



CATALOGUE GÉNÉRAL



Société

Spécialisé dans la vente de vérins hydrauliques et de composants, **UNIDRO CONTARINI** a su élargir sa gamme de produits pour couvrir la majorité des demandes en matériels hydrauliques.

Pompes et moteurs à engrenages, moteurs planétaires, distributeurs et valves hydrauliques ne sont qu'une partie de nos références.

Notre équipe commerciale est à votre service pour vous aider et vous guider dans la réalisation de vos projets hydrauliques.

Nos compétences développées au contact de nos fournisseurs nous permettent, par la modification de matériel standard de répondre dans de très courts délais au plus près des demandes spécifiques de nos clients.

Un service de découpe à longueur de tiges chromées dans notre large gamme de diamètre tenu en stock autorise des livraisons pour dépannage d'urgence à J+1.

Notre département flexibles & raccords est à votre écoute pour la réalisation de vos équipements ou la livraison de matériel de haute qualité dans les meilleurs délais.

Company

Specialized in the sale of hydraulic cylinders and components, UNIDRO CONTARINI has been able to expand its product range to cover the majority of requests for hydraulic equipment.

Gear pumps and motors, hydraulic motors, distributors and hydraulic valves are just some of our references.

Our sales team is at your service to help and guide you in the realization of your hydraulic projects.

Our skills developed in contact with our suppliers allow us, by modifying standard equipment, to respond very quickly to the specific requests of our customers.

A cut-to-length service for chrome rods in our wide range of diameters held in stock allows deliveries for emergency repairs on D+1.

Our hoses & fittings department is at your disposal for the realization of your equipment or the delivery of high quality material as soon as possible.



La société CONTARINI LEOPOLDO SRL est certifiée UNI EN ISO 9001 :2008 pour la conception et la réalisation de VERINS HYDRAULIQUES standard et spéciaux et pour la commercialisation de composants hydrauliques.

The company CONTARINI LEOPOLDO S.r.l. is certified UNI EN ISO 9001:2008 for the design and the production of Hydraulic Cylinders according to its catalogue and to the customers' specifications and for the sale of hydraulic components.



Reg. Numero	533- A		
Data di rilascio	1999-12-21	Data di ultima modifica	2016-04-29
Data di prossimo rinnovo	2018-09-15	Settore	EA: 18, 29

Certificato del Sistema di Gestione per la qualità

ISO 9001:2008

Si dichiara che il sistema di gestione per la Qualità dell'Organizzazione:

CONTARINI LEOPOLDO S.r.l.

è conforme alla norma UNI EN ISO 9001:2008 per i seguenti prodotti/servizi:

Progettazione e produzione di cilindri oleodinamici a catalogo e su specifica del cliente
Progettazione e produzione di pompe a mano
Commercializzazione di componenti oleodinamici

Chief Operating Officer
Giampiero Belcredi

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al rispetto dei requisiti contrattuali Kiwa Cermet Italia.

Il presente certificato è costituito da 1 pagina.

CONTARINI LEOPOLDO S.r.l.

Via A. Volta, 34
48022 Lugo RA Italia

- Via Fiumazzo, 46 48022 Lugo (RA) Italia

Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta
all'attività di direzione e coordinamento
di Kiwa Italia Holding Srl

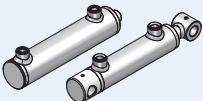
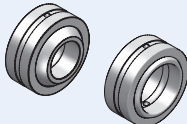
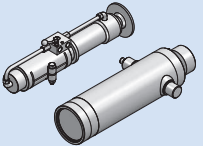
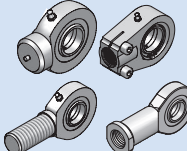
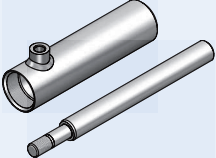
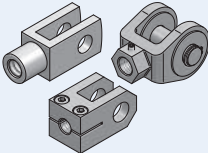
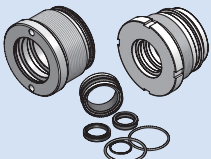
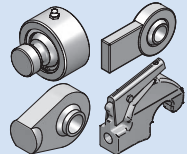
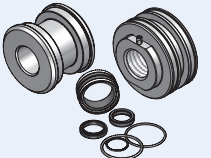
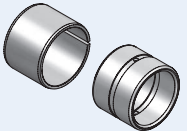
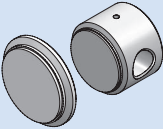
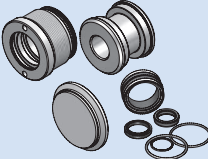
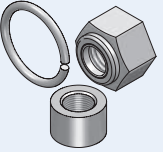
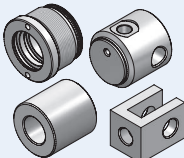
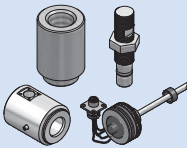
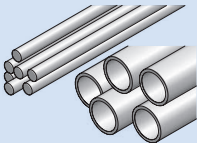
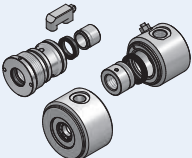
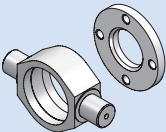
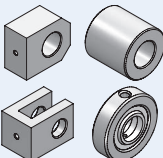
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Fax +39.051.763.382
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CERMET

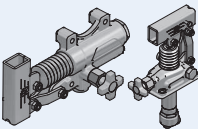
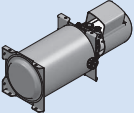
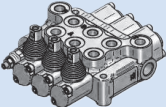
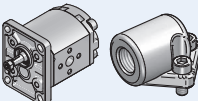
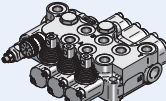
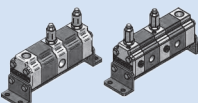
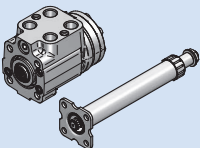
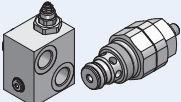
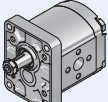
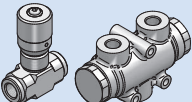
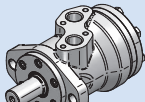
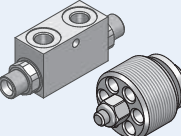
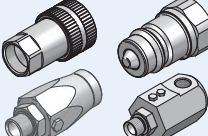
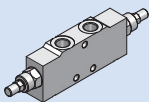
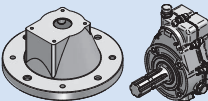
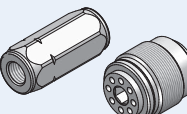
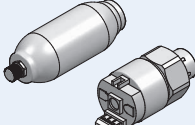
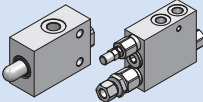
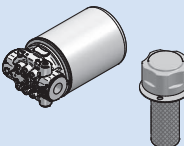
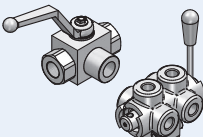
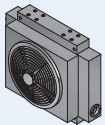
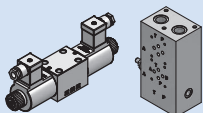
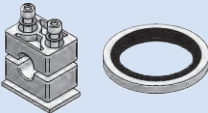


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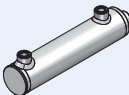
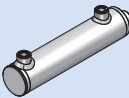
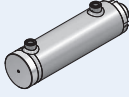
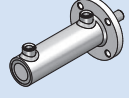
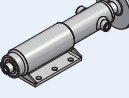
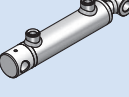
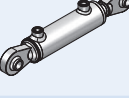
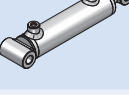
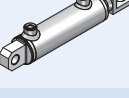
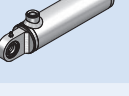
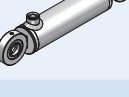
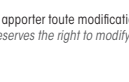
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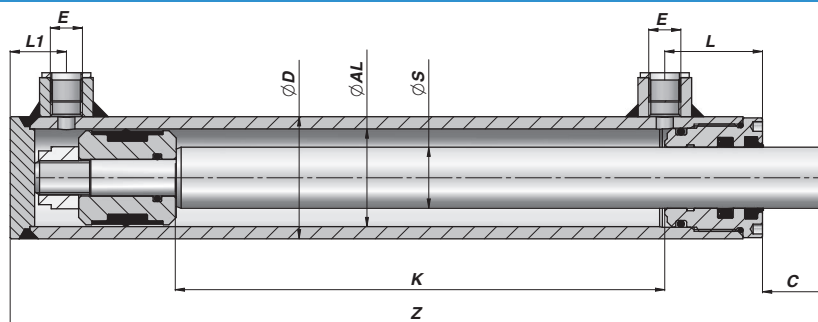
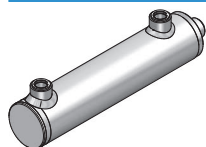
VERINS STANDARD STANDARD CYLINDERS

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HM0

VERIN DOUBLE EFFET STANDARD
STANDARD DOUBLE ACTING CYLINDER

Series M250

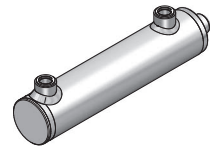
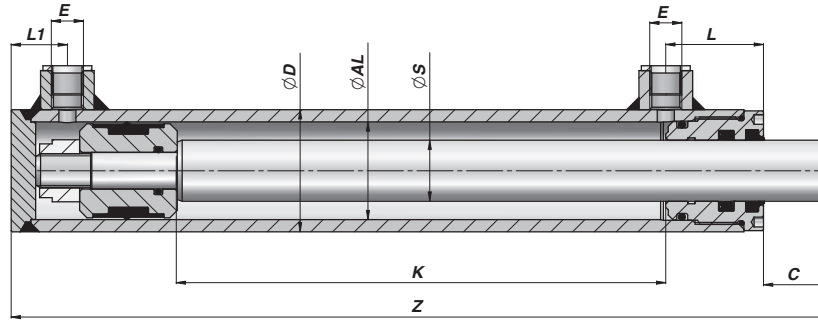


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KIT JOINTS / SEAL KITS GKG025016	ØD 35 ØAL 25 ØS 16											
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	HM0025160100	100	185	0,97								
	HM0025160150	150	235	1,23								
	HM0025160200	200	285	1,50								
KIT JOINTS / SEAL KITS GKG0032020	ØD 42 ØAL 32 ØS 20											
	HM0032200050	50	155	1,27	1/4"	33	20	16				
	HM0032200100	100	205	1,62								
	HM0032200150	150	255	1,97								
	HM0032200200	200	305	2,33								
	HM0032200250	250	355	2,68								
	HM0032200300	300	405	3,03								
	HM0032200400	400	505	3,73								
	HM0032200500	500	605	4,42								
KIT JOINTS / SEAL KITS GKG0040020	ØD 50 ØAL 40 ØS 20								ØD 50 ØAL 40 ØS 25			
	HM01200100	100	230	2,29	1/4"	40	23	22	HM01250100	100	230	2,45
	HM01200150	150	280	2,69					HM01250150	150	280	2,92
	HM01200200	200	330	3,09					HM01250200	200	330	3,40
	HM01200250	250	380	3,49					HM01250250	250	380	3,86
	HM01200300	300	430	3,83					HM01250300	300	430	4,33
	HM01200350	350	480	4,29					HM01250350	350	480	4,80
	HM01200400	400	530	4,69					HM01250400	400	530	5,27
	HM01200450	450	580	5,08					HM01250450	450	580	5,74
	HM01200500	500	630	5,49					HM01250500	500	630	6,21
									HM01250550	550	680	6,68
KIT JOINTS / SEAL KITS GKG0050025	ØD 60 ØAL 50 ØS 25								ØD 60 ØAL 50 ØS 30			
	HM02250100	100	240	3,30	3/8"	43	26	22	HM02300100	100	240	3,51
	HM02250150	150	290	3,83					HM02300150	150	290	4,12
	HM02250200	200	340	4,36					HM02300200	200	340	4,70
	HM02250250	250	390	4,89					HM02300250	250	390	5,40
	HM02250300	300	440	5,42					HM02300300	300	440	6,00
	HM02250350	350	490	5,95					HM02300350	350	490	6,60
	HM02250400	400	540	6,48					HM02300400	400	540	7,20
	HM02250450	450	590	7,01					HM02300450	450	590	7,81
	HM02250500	500	640	7,54					HM02300500	500	640	8,42
	HM02250550	550	690	8,07					HM02300550	550	690	9,00
	HM02250600	600	740	8,60					HM02300600	600	740	9,70
	HM02250700	700	840	9,66					HM02300700	700	840	10,90
	HM02250800	800	940	10,72					HM02300800	800	940	12,10
	HM02251000	1000	1140	12,83					HM02301000	1000	1140	14,60
KIT JOINTS / SEAL KITS GKG0060030	ØD 70 ØAL 60 ØS 30								ØD 70 ØAL 60 ØS 35			
	HM03300100	100	260	4,90	3/8"	50	30	23	HM03350100	100	260	5,10
	HM03300150	150	310	5,60					HM03350150	150	310	5,90
	HM03300200	200	360	6,20					HM03350200	200	360	6,70
	HM03300250	250	410	6,90					HM03350250	250	410	7,50
	HM03300300	300	460	7,60					HM03350300	300	460	8,20
	HM03300350	350	510	8,30					HM03350350	350	510	9,00
	HM03300400	400	560	8,90					HM03350400	400	560	9,80
	HM03300450	450	610	9,60					HM03350450	450	610	10,60
	HM03300500	500	660	10,30					HM03350500	500	660	11,30
	HM03300550	550	710	11,00					HM03350550	550	710	12,10
	HM03300600	600	760	11,60					HM03350600	600	760	12,90
	HM03300700	700	860	12,99					HM03350700	700	860	14,44
	HM03300800	800	960	14,30					HM03350800	800	960	16,00
	HM03301000	1000	1160	17,00					HM03351000	1000	1160	19,10

VERIN DOUBLE EFFET STANDARD
STANDARD DOUBLE ACTING CYLINDER

HMO

Series M250

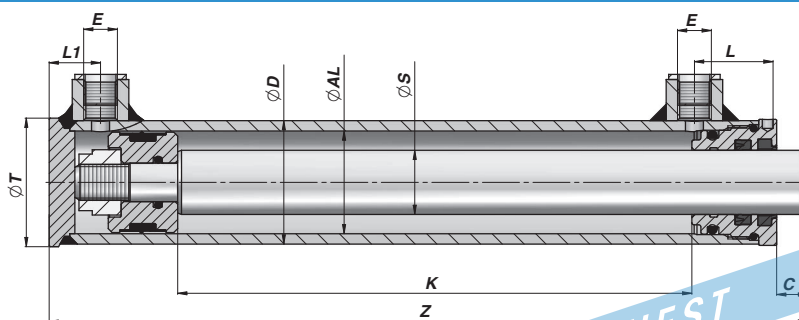
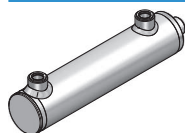


Code Code		K	Z	kg	E BSP	L	L1	C	Code Code		K	Z	kg
ØD 70 ØAL 60 ØS 40										ØD 73 ØAL 63 ØS 40			
KIT JOINTS / SEAL KITS GKG0060040	HM03400200	200	360	7,30	3/8"	50	30	23	KIT JOINTS / SEAL KITS GKG0063040	HM0063400200	200	360	7,50
	HM03400250	250	410	8,20						HM0063400250	250	410	8,40
	HM03400300	300	460	9,10						HM0063400300	300	460	9,30
	HM03400350	350	510	10,00						HM0063400350	350	510	10,30
	HM03400400	400	560	10,90						HM0063400400	400	560	11,20
	HM03400450	450	610	11,80						HM0063400450	450	610	12,10
	HM03400500	500	660	12,70						HM0063400500	500	660	13,00
	HM03400550	550	710	13,60						HM0063400550	550	710	13,90
	HM03400600	600	760	14,40						HM0063400600	600	760	14,80
	HM03400700	700	860	16,23						HM0063400700	700	860	16,64
	HM03400800	800	960	18,00						HM0063400800	800	960	18,40
HM03401000	1000	1160	21,60	HM0063401000	1000	1160	22,10						
ØD 80 ØAL 70 ØS 35										ØD 80 ØAL 70 ØS 40			
KIT JOINTS / SEAL KITS GKG0070035	HM04350100	100	260	6,10	3/8"	50	33	23	KIT JOINTS / SEAL KITS GKG0070040	HM04400100	100	260	6,48
	HM04350150	150	310	6,90						HM04400150	150	310	7,43
	HM04350200	200	360	7,80						HM04400200	200	360	8,40
	HM04350250	250	410	8,60						HM04400250	250	410	9,30
	HM04350300	300	460	9,40						HM04400300	300	460	10,30
	HM04350350	350	510	10,30						HM04400350	350	510	11,20
	HM04350400	400	560	11,10						HM04400400	400	560	12,20
	HM04350450	450	610	12,00						HM04400450	450	610	13,10
	HM04350500	500	660	12,80						HM04400500	500	660	14,10
	HM04350550	550	710	13,60						HM04400550	550	710	15,10
	HM04350600	600	760	14,50						HM04400600	600	760	15,99
	HM04350700	700	860	16,15						HM04400700	700	860	17,91
	HM04350800	800	960	17,80						HM04400800	800	960	19,80
HM04351000	1000	1160	21,20	HM04401000	1000	1160	23,60						
ØD 92 ØAL 80 ØS 40										ØD 92 ØAL 80 ØS 50			
KIT JOINTS / SEAL KITS GKG0080040	HM05400200	200	380	11,22	1/2"	60	35	25	KIT JOINTS / SEAL KITS GKG0080050	HM05500200	200	380	12,47
	HM05400250	250	430	12,34						HM05500250	250	430	13,88
	HM05400300	300	480	13,46						HM05500300	300	480	15,28
	HM05400400	400	580	15,72						HM05500400	400	580	18,09
	HM05400500	500	680	17,77						HM05500500	500	680	20,90
	HM05400600	600	780	20,22						HM05500600	600	780	23,70
	HM05400700	700	880	22,47						HM05500700	700	880	26,50
	HM05400800	800	980	24,72						HM05500800	800	980	29,50
	HM05401000	1000	1180	29,22						HM05501000	1000	1180	35,00
ØD 105 ØAL 90 ØS 50													
KIT JOINTS / SEAL KITS GKG0090050	HM0090500300	300	486	19,30	1/2"	60	40	23					
	HM0090500400	400	586	22,64									
	HM0090500500	500	686	25,97									
	HM0090500600	600	786	29,30									
	HM0090500700	700	886	32,63									
	HM0090500800	800	986	35,97									
	HM0090501000	1000	1186	42,64									
ØD 115 ØAL 100 ØS 50										ØD 115 ØAL 100 ØS 60			
KIT JOINTS / SEAL KITS GKG0100050	HM06500200	200	410	19,60	1/2"	82	38	25	KIT JOINTS / SEAL KITS GKG0100060				
	HM06500250	250	460	21,38									
	HM06500300	300	510	23,14						HM06600300	300	510	25,32
	HM06500400	400	610	26,65						HM06600400	400	610	29,52
	HM06500500	500	710	30,17						HM06600500	500	710	33,71
	HM06500600	600	810	33,69						HM06600600	600	810	37,90
	HM06500700	700	910	37,21						HM06600700	700	910	42,10
	HM06500800	800	1010	40,72						HM06600800	800	1010	46,30
	HM06501000	1000	1210	47,50						HM06601000	1000	1210	54,69

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 – 1999/ISO 9227-NSS
ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 28 - TECHNICAL SPECIFICATIONS : SEE PAGE 28

HMOLM**VERIN DOUBLE EFFET STANDARD
STANDARD DOUBLE ACTING CYLINDER****Series C200**

Code Code	K	Z	kg	E BSP	L	L1	C	ØT	Code Code	K	Z	kg
ØD 48 ØAL 40 ØS 20									ØD 48 ØAL 40 ØS 25			
HMOLM0400200100	100	195	1,75	1/4"	32	20	12	50	HMOLM0400250100	100	195	1,90
HMOLM0400200150	150	245	2,09						HMOLM0400250150	150	245	2,31
HMOLM0400200200	200	295	2,43						HMOLM0400250200	200	295	2,72
HMOLM0400200250	250	345	2,76						HMOLM0400250250	250	345	3,14
HMOLM0400200300	300	395	3,09						HMOLM0400250300	300	395	3,53
HMOLM0400200400	400	495	3,78						HMOLM0400250400	400	495	4,35
HMOLM0400200500	500	595	4,46						HMOLM0400250500	500	595	5,17
ØD 58 ØAL 50 ØS 25									ØD 58 ØAL 50 ØS 30			
HMOLM0500250100	100	205	2,60	3/8"	36	22	13	60	HMOLM0500300100	100	205	2,78
HMOLM0500250150	150	255	3,06						HMOLM0500300150	150	255	3,32
HMOLM0500250200	200	305	3,52						HMOLM0500300200	200	305	3,87
HMOLM0500250250	250	355	3,97						HMOLM0500300250	250	355	4,41
HMOLM0500250300	300	405	4,43						HMOLM0500300300	300	405	4,95
HMOLM0500250400	400	505	5,84						HMOLM0500300400	400	505	6,03
HMOLM0500250500	500	605	6,27						HMOLM0500300500	500	605	7,12
ØD 68 ØAL 60 ØS 30									ØD 68 ØAL 60 ØS 35			
HMOLM0600300100	100	220	3,77	3/8"	39	25	13	70	HMOLM0600350100	100	220	3,99
HMOLM0600300150	150	270	4,36						HMOLM0600350150	150	270	4,68
HMOLM0600300200	200	320	4,95						HMOLM0600350200	200	320	5,37
HMOLM0600300250	250	370	5,54						HMOLM0600350250	250	370	6,06
HMOLM0600300300	300	420	6,13						HMOLM0600350300	300	420	6,75
HMOLM0600300400	400	520	7,32						HMOLM0600350400	400	520	8,14
HMOLM0600300500	500	620	8,50						HMOLM0600350500	500	620	9,52
ØD 78 ØAL 70 ØS 35									ØD 78 ØAL 70 ØS 40			
HMOLM0700350100	100	220	4,82	3/8"	39	25	13	80				
HMOLM0700350150	150	270	5,56									
HMOLM0700350200	200	320	6,30						HMOLM0700400200	200	320	6,79
HMOLM0700350250	250	370	7,04						HMOLM0700400250	250	370	7,64
HMOLM0700350300	300	420	7,80						HMOLM0700400300	300	420	8,50
HMOLM0700350400	400	520	9,27						HMOLM0700400400	400	520	10,21
HMOLM0700350500	500	620	10,76						HMOLM0700400500	500	620	11,94

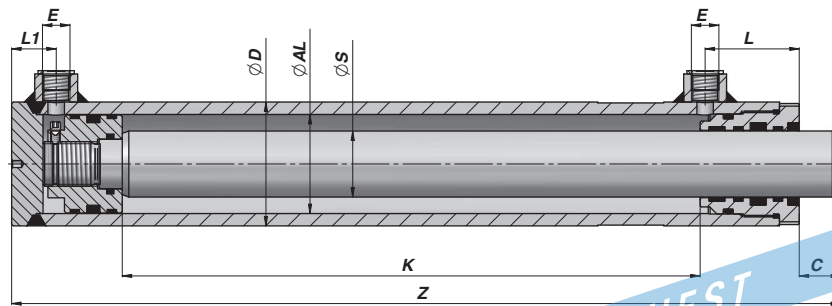
MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9

MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 - 1999/ISO 9227-NSS

TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 - 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 28 - TECHNICAL SPECIFICATIONS : SEE PAGE 28

VERIN DOUBLE EFFET STANDARD
STANDARD DOUBLE ACTING CYLINDER
HM0PM**Series P350**

Code Code	K	Z	kg	E BSP	L	L1	C	Code Code	K	Z	kg
ØD 75 ØAL 60 ØS 40				3/8"	57	30	23				
HM0PM0600400200	200	350	8,71								
HM0PM0600400400	400	550	13,12								
HM0PM0600400600	600	750	17,58								
HM0PM0600400800	800	950	22,03								
HM0PM0600401000	1000	1150	26,48								
ØD 85 ØAL 70 ØS 40				3/8"	60	38	24				
HM0PM0700400200	200	375	11,21								
HM0PM0700400400	400	575	16,00								
HM0PM0700400600	600	775	20,81								
HM0PM0700400800	800	975	25,62								
HM0PM0700401000	1000	1175	30,43								
ØD 100 ØAL 80 ØS 50				1/2"	67	42	28				
HM0PM0800500200	200	395	17,11								
HM0PM0800500400	400	595	24,59								
HM0PM0800500600	600	795	32,06								
HM0PM0800500800	800	995	39,53								
HM0PM0800501000	1000	1195	47,01								
ØD 110 ØAL 90 ØS 60				1/2"	70	48	30				
HM0PM0900600200	200	400	21,44								
HM0PM0900600400	400	600	30,75								
HM0PM0900600600	600	800	40,06								
HM0PM0900600800	800	1000	49,37								
HM0PM0900601000	1000	1200	58,69								
ØD 120 ØAL 100 ØS 60				1/2"	70	47	31				
HM0PM1000600200	200	405	24,33								
HM0PM1000600400	400	605	34,13								
HM0PM1000600600	600	805	43,93								
HM0PM1000600800	800	1005	53,73								
HM0PM1000601000	1000	1205	63,53								
ØD 145 ØAL 120 ØS 70				1/2"	75	58	33				
HM0PM1200700200	200	435	38,95								
HM0PM1200700400	400	635	53,11								
HM0PM1200700600	600	835	67,27								
HM0PM1200700800	800	1035	81,42								
HM0PM1200701000	1000	1235	95,59								

Conçu suivant le standard DNV PART 4 CHAPTER 7 RULES SHIPS / HIGH SPEED, LIGHT CRAFT AND NAVAL SURFACE CRAFT – PRESSURE

Designed in accordance with the norm DNV PART 4 CHAPTER 7 RULES SHIPS / HIGH SPEED, LIGHT CRAFT AND NAVAL SURFACE CRAFT – PRESSURE

MATERIEL TUBE : ACIER S1 52.3 DIN 2391 ISO H8

MATERIEL TIGE : ACIER 20MnV6 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 – 1999/ISO 9227-NSS

TUBE MATERIAL : STEEL S1 52.3 DIN 2391 ISO H8

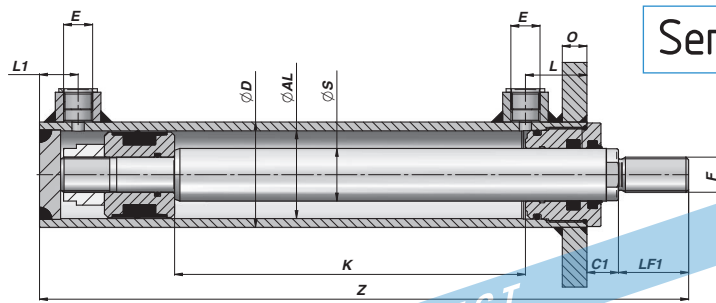
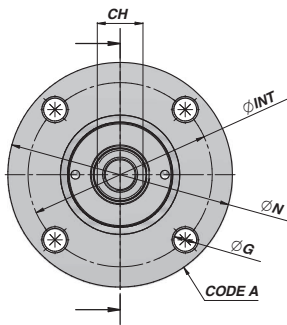
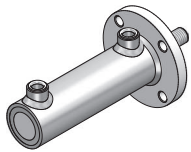
ROD MATERIAL : STEEL 20MnV6 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 30 - TECHNICAL SPECIFICATIONS : SEE PAGE 30

HMF

VERIN DOUBLE EFFET AVEC BRIDE SOUDEE
DOUBLE ACTING CYLINDER WITH FLANGE

Series M250



Code Code	K	Z	kg	E BSP	L	L1	F	LF1	CH	C1	ØN	ØINT	ØG	O	Code A
ØD 50 ØAL 40 ØS 20															
HMF1200100	100	250	2,99	1/4"	32	25	M16x1.5	30	18	18	109	87	ø 11 x 4	12	CFL0050109
HMF1200200	200	350	3,78												
HMF1200300	300	450	4,58												
HMF1200400	400	550	5,38												
HMF1200500	500	650	6,17												
ØD 60 ØAL 50 ØS 30															
HMF2300100	100	270	4,65	3/8"	35	25	M20x1.5	40	26	18	128	105	ø 13 x 4	14	CFL0060128
HMF2300200	200	370	5,84												
HMF2300300	300	470	7,08												
HMF2300400	400	570	8,30												
HMF2300500	500	670	9,54												
ØD 70 ØAL 60 ØS 35															
HMF3350100	100	300	6,73	3/8"	40	30	M27x2	50	32	20	142	117	ø 13 x 4	16	CFL0070142
HMF3350200	200	400	8,28												
HMF3350300	300	500	9,89												
HMF3350400	400	600	11,36												
HMF3350500	500	700	12,94												
ØD 80 ØAL 70 ØS 40															
HMF4400100	100	312	8,64	3/8"	40	30	M30x2	60	36	22	162	127	ø 15 x 4	16	CFL0080162
HMF4400200	200	412	10,55												
HMF4400300	300	512	12,46												
HMF4400400	400	612	14,23												
HMF4400500	500	712	16,27												
ØD 95 ØAL 80 ØS 50															
HMF5500100	100	345	13,71	1/2"	50	40	M36x2	70	45	25	181	149	ø 17 x 6	18	CFL0095181
HMF5500200	200	445	16,78												
HMF5500300	300	545	19,92												
HMF5500400	400	645	23,15												
HMF5500500	500	745	26,22												
ØD 115 ØAL 100 ØS 50															
HMF6500100	100	375	20,31	1/2"	70	40	M36x2	70	45	27	194	162	ø 17 x 6	24	CFL0115194
HMF6500200	200	475	23,82												
HMF6500300	300	575	27,35												
HMF6500400	400	675	30,86												
HMF6500500	500	775	34,37												

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

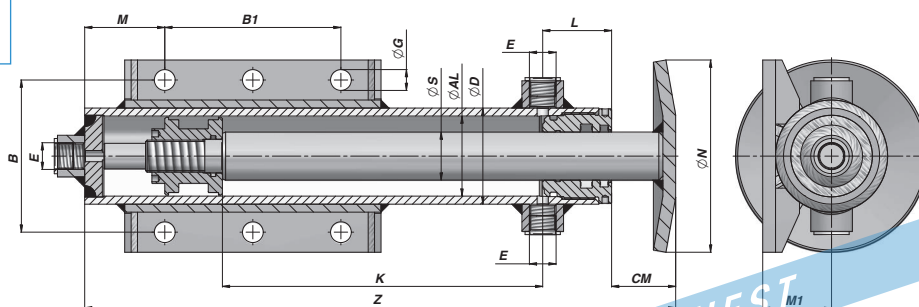
MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 – 1999/ISO 9227-NSS
ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h (ø16 120h) ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 28 - TECHNICAL SPECIFICATIONS : SEE PAGE 28

VERIN STABILISATEUR
HYDRAULIC STABILIZER CYLINDER

HMS

Series M250



Code Code	K	Z	kg	E BSP	L	CM	ØN	M1	B	M	B1	ØG	Code Code	K	Z	kg
ØD 50 ØAL 40 ØS 25																
HMS00400250200	200	369	6,36													
HMS00400250300	300	469	7,30													
HMS00400250400	400	569	8,23													
HMS00400250500	500	669	9,17	3/8"	40	40	110	38	85	50	100	13				
HMS00400250600	600	769	10,11													
ØD 60 ØAL 50 ØS 30																
HMS00500300200	200	369	8,19													
HMS00500300300	300	469	9,42													
HMS00500300400	400	569	10,65													
HMS00500300500	500	669	11,87	3/8"	43	40	120	43	95	50	110	13				
HMS00500300600	600	769	13,11													
ØD 70 ØAL 60 ØS 35													ØD 70 ØAL 60 ØS 40			
HMS00600350200	200	371	11,10										HMS00600400200	200	371	11,65
HMS00600350300	300	471	12,65										HMS00600400300	300	471	13,43
HMS00600350400	400	571	14,20										HMS00600400400	400	571	15,21
HMS00600350500	500	671	15,75	3/8"	50	40	130	50	105	53	125	13	HMS00600400500	500	671	16,99
HMS00600350600	600	771	17,30										HMS00600400600	600	771	18,77
ØD 80 ØAL 70 ØS 40													ØD 80 ØAL 70 ØS 50			
HMS00700400200	200	410	14,16										HMS00700500200	200	410	14,70
HMS00700400300	300	510	15,83										HMS00700500300	300	510	16,60
HMS00700400400	400	610	17,51										HMS00700500400	400	610	18,51
HMS00700400500	500	710	19,18	1/2"	50	50	150	55	120	53	125	15	HMS00700500500	500	710	19,49
HMS00700400600	600	810	20,85										HMS00700500600	600	810	22,31
ØD 90 ØAL 80 ØS 40													ØD 90 ØAL 80 ØS 50			
HMS00800400200	200	410	17,69										HMS00800500200	200	410	19,04
HMS00800400300	300	510	19,72										HMS00800500300	300	510	21,62
HMS00800400400	400	610	21,74										HMS00800500400	400	610	24,20
HMS00800400500	500	710	23,77	1/2"	60	50	160	62	125	58	145	15	HMS00800500500	500	710	26,78
HMS00800400600	600	810	25,80										HMS00800500600	600	810	29,36
ØD 100 ØAL 90 ØS 40													ØD 100 ØAL 90 ØS 50			
HMS00900400200	200	410	20,30										HMS00900500200	200	410	21,65
HMS00900400300	300	510	22,45										HMS00900500300	300	510	24,35
HMS00900400400	400	610	24,59										HMS00900500400	400	610	27,05
HMS00900400500	500	710	26,74	1/2"	60	50	170	67	135	60	150	15	HMS00900500500	500	710	29,76
HMS00900400600	600	810	28,89										HMS00900500600	600	810	32,46
ØD 110 ØAL 100 ØS 50													ØD 110 ØAL 100 ØS 60			
HMS01000500200	200	420	26,92										HMS01000600200	200	420	28,61
HMS01000500300	300	520	29,74										HMS01000600300	300	520	32,11
HMS01000500400	400	620	32,57										HMS01000600400	400	620	35,61
HMS01000500500	500	720	35,39	1/2"	82	60	180	73	145	60	170	15	HMS01000600500	500	720	39,11
HMS01000500600	600	820	38,22										HMS01000600600	600	820	42,61

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9

MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 - 1999/ISO 9227-NSS

TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 - 1999/ISO 9227-NSS

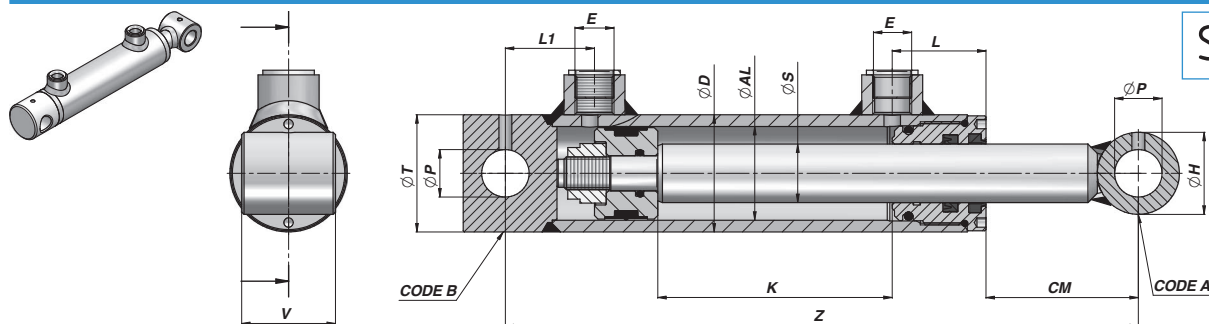
AUTRES DIAMETRES SUR DEMANDE - OTHER DIMENSIONS ON REQUEST

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 32 - TECHNICAL SPECIFICATIONS : SEE PAGE 32

HFR2S

VERIN DOUBLE EFFET TYPE "HFR2S"
DOUBLE ACTING CYLINDER "HFR2S" TYPE

Series M250

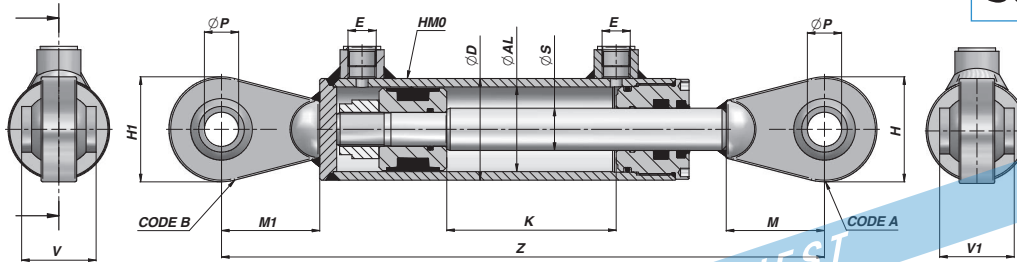
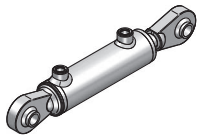


	Code Code	K	Z	kg	E BSP	L	L1	CM	ØD	ØH	V	ØT	Code A	Code B	Code Code	K	Z	kg
KIT JOINTS / SEAL KITS GKG025016	ØD 35 ØAL 25 ØS 16																	
	HFR0160050	50	160	0,92														
	HFR0160100	100	210	1,18														
	HFR0160150	150	260	1,45	1/4"	33	22	31	12,10	25	25	35	CBF0012025025	CFHR035025				
	HFR0160200	200	310	1,71														
KIT JOINTS / SEAL KITS GKG0032020	ØD 42 ØAL 32 ØS 20																	
	HFR0200050	50	205	1,71														
	HFR0200100	100	255	2,06														
	HFR0200150	150	305	2,41														
	HFR0200200	200	355	2,76														
	HFR0200250	250	405	3,11	1/4"	33	35	51	16,20	30	35	40	CBF0016030035	CFHR040032				
	HFR0200300	300	455	3,46														
	HFR0200400	400	555	4,16														
	HFR0200500	500	655	4,86														
	HFR0200600	600	755	5,56														
KIT JOINTS / SEAL KITS GKGCTLM040015 + GKGCG040025	ØD 50 ØAL 40 ØS 25																	
	HFR2S0400250100	100	270	2,94														
	HFR2S0400250150	150	320	3,41														
	HFR2S0400250200	200	370	3,88														
	HFR2S0400250250	250	420	4,35														
	HFR2S0400250300	300	470	4,81														
	HFR2S0400250400	400	570	5,75														
	HFR2S0400250500	500	670	6,69	3/8"	40	38	65	20,25	35	40	50	CBF1020035040	CFHR040020040				
	HFR2S0400250600	600	770	7,62														
	HFR2S0400250700	700	870	8,56														
	HFR2S0400250750	750	920	9,05														
	HFR2S0400250800	800	970	9,50														
	HFR2S0400250900	900	1070	10,44														
KIT JOINTS / SEAL KITS GKGCTLM050021 + GKGCG050030	ØD 60 ØAL 50 ØS 30																	
	HFR2S0500300100	100	300	4,41														
	HFR2S0500300150	150	350	5,02														
	HFR2S0500300200	200	400	5,64														
	HFR2S0500300250	250	450	6,25														
	HFR2S0500300300	300	500	6,86														
	HFR2S0500300400	400	600	8,09														
	HFR2S0500300500	500	700	9,32	3/8"	43	42	85	25,25	40	45	60	CBF1025040045	CFHR050025049				
	HFR2S0500300600	600	800	10,55														
	HFR2S0500300700	700	900	11,78														
	HFR2S0500300800	800	1000	13,00														
	HFR2S0500300900	900	1100	14,24														
	HFR2S0500301000	1000	1200	15,46														

HM1

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS

Series M250

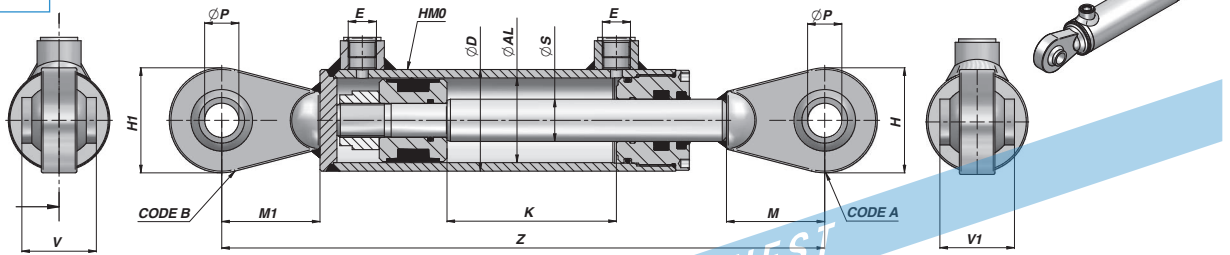


Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 42 ØAL 32 ØS 20																	
HM1032200050	50	275	1,84														
HM1032200100	100	325	2,18														
HM1032200150	150	375	2,53														
HM1032200200	200	425	2,88														
HM1032200250	250	475	3,24	1/4"	16,2	46	20	60	46	20	60	CSR0010495	CSR0010495				
HM1032200300	300	525	3,58														
HM1032200400	400	625	4,28														
HM1032200500	500	725	4,98														
ØD 50 ØAL 40 ØS 20																	
HM11200100	100	350	2,84														
HM11200150	150	400	3,24														
HM11200200	200	450	3,64														
HM11200250	250	500	4,04														
HM11200300	300	550	4,46														
HM11200350	350	600	4,86	1/4"	16,2	46	20	60	46	20	60	CSR0010495	CSR0010495				
HM11200400	400	650	5,26														
HM11200450	450	700	5,66														
HM11200500	500	750	6,06														
ØD 50 ØAL 40 ØS 25																	
HM11250100	100	350	3,03														
HM11250150	150	400	3,50														
HM11250200	200	450	3,96														
HM11250250	250	500	4,43														
HM11250300	300	550	4,90														
HM11250350	350	600	5,37														
HM11250400	400	650	5,84														
HM11250450	450	700	6,31														
HM11250500	500	750	6,78														
HM11250550	550	800	7,25														
HM11250600	600	850	7,71														
ØD 60 ØAL 50 ØS 25																	
HM12250100	100	356	4,83														
HM12250150	150	406	5,38														
HM12250200	200	456	5,91														
HM12250250	250	506	6,44														
HM12250300	300	556	6,97														
HM12250350	350	606	7,50														
HM12250400	400	656	8,03														
HM12250450	450	706	8,56														
HM12250500	500	756	9,06														
HM12250550	550	806	9,62														
HM12250600	600	856	10,15														
HM12250700	700	956	11,21														
HM12250800	800	1056	12,27														
HM12251000	1000	1256	14,39														
ØD 60 ØAL 50 ØS 30																	
HM12300100	100	356	5,06														
HM12300150	150	406	5,68														
HM12300200	200	456	6,29														
HM12300250	250	506	6,91														
HM12300300	300	556	7,53														
HM12300350	350	606	8,14														
HM12300400	400	656	8,75														
HM12300450	450	706	9,36														
HM12300500	500	756	9,95														
HM12300550	550	806	10,60														
HM12300600	600	856	11,20														
HM12300700	700	956	12,40														
HM12300800	800	1056	13,64														
HM12301000	1000	1256	16,12														
ØD 70 ØAL 60 ØS 30																	
HM13300100	100	390	7,44														
HM13300150	150	440	8,11														
HM13300200	200	490	8,78														
HM13300250	250	540	9,46														
HM13300300	300	590	10,14														
HM13300350	350	640	10,82														
HM13300400	400	690	11,47														
HM13300450	450	740	12,17														
HM13300500	500	790	12,84														
HM13300550	550	840	13,52														
HM13300600	600	890	14,17														
HM13300700	700	990	15,55														
HM13300800	800	1090	16,90														
HM13301000	1000	1290	19,60														
ØD 70 ØAL 60 ØS 35																	
HM13350100	100	390	7,65														
HM13350150	150	440	8,42														
HM13350200	200	490	9,20														
HM13350250	250	540	9,98														
HM13350300	300	590	10,79														
HM13350350	350	640	11,56														
HM13350400	400	690	12,32														
HM13350450	450	740	13,10														
HM13350500	500	790	13,89														
HM13350550	550	840	14,63														
HM13350600	600	890	15,41														
HM13350700	700	990	17,00														
HM13350800	800	1090	18,51														
HM13351000	1000	1290	21,61														

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS

HM1

Series M250



Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 70	ØAL 60	ØS 40												ØD 73	ØAL 63	ØS 40	
HM13400200	200	490	9,88	3/8"	25,4	75	51	65	75	51	65	CSR0010740	CSR0010740	HM1063400200	200	490	10,08
HM13400250	250	540	10,78											HM1063400250	250	540	10,99
HM13400300	300	590	11,66											HM1063400300	300	590	11,90
HM13400350	350	640	12,56											HM1063400350	350	640	12,81
HM13400400	400	690	13,44											HM1063400400	400	690	13,72
HM13400450	450	740	14,34											HM1063400450	450	740	14,63
HM13400500	500	790	15,19											HM1063400500	500	790	15,54
HM13400550	550	840	16,13											HM1063400550	550	840	16,45
HM13400600	600	890	17,00											HM1063400600	600	890	17,36
HM13400700	700	990	18,80											HM1063400700	700	990	19,19
HM13400800	800	1090	20,57	HM1063400800	800	1090	21,00										
HM13401000	1000	1290	24,14	HM1063401000	1000	1290	24,64										
ØD 80	ØAL 70	ØS 35												ØD 80	ØAL 70	ØS 40	
HM14350100	100	390	8,66	3/8"	25,4	75	51	65	75	51	65	CSR0010740	CSR0010740	HM14400100	100	390	9,05
HM14350150	150	440	9,50											HM14400150	150	440	10,00
HM14350200	200	490	10,30											HM14400200	200	490	10,91
HM14350250	250	540	11,22											HM14400250	250	540	11,90
HM14350300	300	590	12,05											HM14400300	300	590	12,86
HM14350350	350	640	12,89											HM14400350	350	640	13,81
HM14350400	400	690	13,73											HM14400400	400	690	14,72
HM14350450	450	740	14,57											HM14400450	450	740	15,67
HM14350500	500	790	15,40											HM14400500	500	790	16,63
HM14350550	550	840	16,24											HM14400550	550	840	17,58
HM14350600	600	890	17,07	HM14400600	600	890	18,53										
HM14350700	700	990	18,71	HM14400700	700	990	20,48										
HM14350800	800	1090	20,43	HM14400800	800	1090	22,38										
HM14351000	1000	1290	23,77	HM14401000	1000	1290	26,19										
ØD 92	ØAL 80	ØS 40												ØD 92	ØAL 80	ØS 50	
HM15400200	200	510	14,08	1/2"	30,2	83	55	65	83	55	65	CSR0010810	CSR0010810	HM15500200	200	510	15,37
HM15400250	250	560	15,24											HM15500250	250	560	16,76
HM15400300	300	610	16,41											HM15500300	300	610	18,18
HM15400400	400	710	18,66											HM15500400	400	710	20,98
HM15400500	500	810	20,91											HM15500500	500	810	23,79
HM15400600	600	910	23,16											HM15500600	600	910	26,60
HM15400700	700	1010	25,45											HM15500700	700	1010	29,48
HM15400800	800	1110	27,67											HM15500800	800	1110	32,21
HM15401000	1000	1310	32,16											HM15501000	1000	1310	37,82
ØD 105	ØAL 90	ØS 50												ØD 105	ØAL 90	ØS 60	
HM1090500300	300	656	27,11	1/2"	40,2	108	75	85	108	75	85	CSR0010820	CSR0010820				
HM1090500400	400	756	30,44														
HM1090500500	500	856	33,78														
HM1090500600	600	956	37,11														
HM1090500700	700	1056	40,44														
HM1090500800	800	1156	43,76														
HM1090501000	1000	1356	50,44														
ØD 115	ØAL 100	ØS 50												ØD 115	ØAL 100	ØS 60	
HM16500200	200	580	27,43	1/2"	40,2	108	75	85	108	75	85	CSR0010820	CSR0010820				
HM16500250	250	630	29,18														
HM16500300	300	680	30,94														
HM16500400	400	780	34,36														
HM16500500	500	880	37,98														
HM16500600	600	980	41,49														
HM16500700	700	1080	45,10														
HM16500800	800	1180	48,53														
HM16501000	1000	1380	55,56														
														HM16600400	400	780	37,35
														HM16600500	500	880	41,55
														HM16600600	600	980	45,74
														HM16600700	700	1080	49,88
														HM16600800	800	1180	54,13
														HM16601000	1000	1380	62,52

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

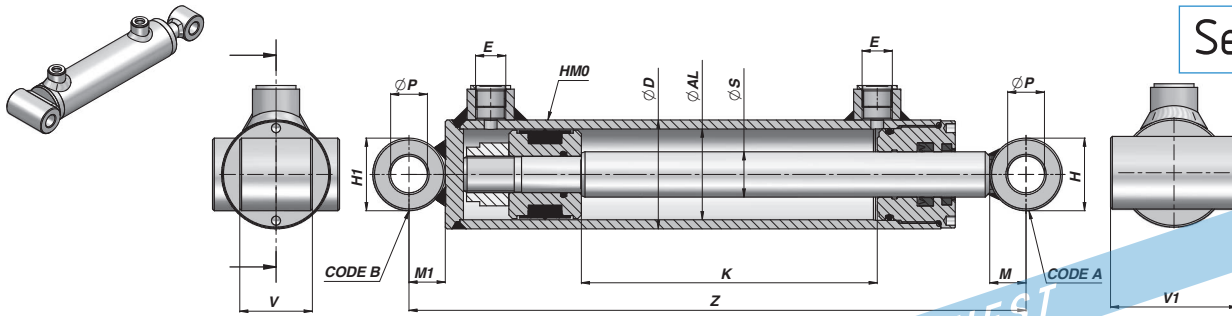
MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 $\mu\text{m} \pm 5$ Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS
 ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 $\mu\text{m} \pm 5$ Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 34 - TECHNICAL SPECIFICATIONS : SEE PAGE 34

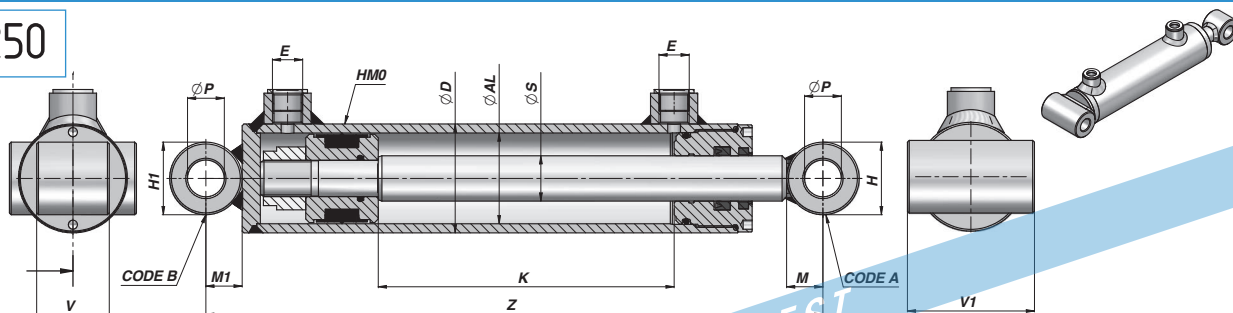
HM2

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS

Series M250



Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 42 ØAL 32 ØS 20																	
HM2032200050	50	190	1,82														
HM2032200100	100	240	2,16														
HM2032200150	150	290	2,52														
HM2032200200	200	340	2,86														
HM2032200250	250	390	3,22														
HM2032200300	300	440	3,56														
HM2032200400	400	540	4,26														
HM2032200500	500	640	4,98														
ØD 50 ØAL 40 ØS 20																	
HM21200100	100	265	2,82														
HM21200150	150	315	3,23														
HM21200200	200	365	3,63														
HM21200250	250	415	4,03														
HM21200300	300	465	4,43														
HM21200350	350	515	4,83														
HM21200400	400	565	5,23														
HM21200450	450	615	5,63														
HM21200500	500	665	6,03														
ØD 50 ØAL 40 ØS 25																	
HM21250100	100	265	3,01														
HM21250150	150	315	3,46														
HM21250200	200	365	3,95														
HM21250250	250	415	4,39														
HM21250300	300	465	4,89														
HM21250350	350	515	5,35														
HM21250400	400	565	5,80														
HM21250450	450	615	6,28														
HM21250500	500	665	6,74														
HM21250550	550	715	7,21														
HM21250600	600	765	7,68														
ØD 60 ØAL 50 ØS 25																	
HM22250100	100	280	4,11														
HM22250150	150	330	4,67														
HM22250200	200	380	5,19														
HM22250250	250	430	5,73														
HM22250300	300	480	6,25														
HM22250350	350	530	6,78														
HM22250400	400	580	7,31														
HM22250450	450	630	7,83														
HM22250500	500	680	8,36														
HM22250550	550	730	8,90														
HM22250600	600	780	9,41														
HM22250700	700	880	10,50														
HM22250800	800	980	11,54														
HM22251000	1000	1180	13,66														
ØD 60 ØAL 50 ØS 30																	
HM22300100	100	280	4,35														
HM22300150	150	330	4,95														
HM22300200	200	380	5,64														
HM22300250	250	430	6,18														
HM22300300	300	480	6,80														
HM22300350	350	530	7,41														
HM22300400	400	580	8,02														
HM22300450	450	630	8,64														
HM22300500	500	680	9,25														
HM22300550	550	730	9,88														
HM22300600	600	780	10,48														
HM22300700	700	880	11,69														
HM22300800	800	980	12,94														
HM22301000	1000	1180	15,39														
ØD 70 ØAL 60 ØS 30																	
HM23300100	100	310	6,37														
HM23300150	150	360	7,06														
HM23300200	200	410	7,74														
HM23300250	250	460	8,42														
HM23300300	300	510	9,09														
HM23300350	350	560	9,77														
HM23300400	400	610	10,44														
HM23300450	450	660	11,12														
HM23300500	500	710	11,78														
HM23300550	550	760	12,47														
HM23300600	600	810	13,15														
HM23300700	700	910	14,50														
HM23300800	800	1010	15,84														
HM23301000	1000	1210	18,55														
ØD 70 ØAL 60 ØS 35																	
HM23350100	100	310	6,65														
HM23350150	150	360	7,43														
HM23350200	200	410	8,20														
HM23350250	250	460	8,98														
HM23350300	300	510	9,75														
HM23350350	350	560	10,53														
HM23350400	400	610	11,31														
HM23350450	450	660	12,08														
HM23350500	500	710	12,82														
HM23350550	550	760	13,63														
HM23350600	600	810	14,41														
HM23350700	700	910	15,94														
HM23350800	800	1010	17,51														
HM23351000	1000	1210	20,61														

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS
HM2**Series M250**

Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 70 ØAL 60 ØS 40														ØD 73 ØAL 63 ØS 40			
HM23400200	200	410	8,82											HM2063400200	200	410	9,08
HM23400250	250	460	9,71											HM2063400250	250	460	9,98
HM23400300	300	510	10,60											HM2063400300	300	510	10,89
HM23400350	350	560	11,49											HM2063400350	350	560	11,81
HM23400400	400	610	12,40											HM2063400400	400	610	12,72
HM23400450	450	660	13,29											HM2063400450	450	660	13,63
HM23400500	500	710	14,17	3/8"	25,25	50	50	25	50	80	25	CB25050050	CB25050080	HM2063400500	500	710	14,54
HM23400550	550	760	15,05											HM2063400550	550	760	15,45
HM23400600	600	810	15,95											HM2063400600	600	810	16,35
HM23400700	700	910	17,79											HM2063400700	700	910	18,18
HM23400800	800	1010	19,53											HM2063400800	800	1010	20,00
HM23401000	1000	1210	23,10											HM2063401000	1000	1210	23,65
ØD 80 ØAL 70 ØS 35														ØD 80 ØAL 70 ØS 40			
HM24350100	100	310	7,70											HM24400100	100	310	8,15
HM24350150	150	360	8,61											HM24400150	150	360	9,11
HM24350200	200	410	9,45											HM24400200	200	410	10,01
HM24350250	250	460	10,25											HM24400250	250	460	11,02
HM24350300	300	510	11,09											HM24400300	300	510	11,97
HM24350350	350	560	11,96											HM24400350	350	560	12,87
HM24350400	400	610	12,80	3/8"	25,25	50	50	25	50	90	25	CB25050050	CB25050090	HM24400400	400	610	13,83
HM24350450	450	660	13,63											HM24400450	450	660	14,80
HM24350500	500	710	14,41											HM24400500	500	710	15,73
HM24350550	550	760	15,31											HM24400550	550	760	16,76
HM24350600	600	810	16,07											HM24400600	600	810	17,63
HM24350700	700	910	17,82											HM24400700	700	910	19,59
HM24350800	800	1010	19,49											HM24400800	800	1010	21,47
HM24351000	1000	1210	22,84											HM24401000	1000	1210	25,28
ØD 92 ØAL 80 ØS 40														ØD 92 ØAL 80 ØS 50			
HM25400200	200	440	14,06											HM25500200	200	440	15,32
HM25400250	250	490	15,19											HM25500250	250	490	16,76
HM25400300	300	540	16,31											HM25500300	300	540	18,12
HM25400400	400	640	18,56											HM25500400	400	640	20,93
HM25400500	500	740	20,81	1/2"	30,25	60	60	30	60	110	30	CB30060060	CB30060110	HM25500500	500	740	23,74
HM25400600	600	840	23,06											HM25500600	600	840	26,54
HM25400700	700	940	25,32											HM25500700	700	940	29,35
HM25400800	800	1040	27,65											HM25500800	800	1040	32,15
HM25401000	1000	1240	32,06											HM25501000	1000	1240	37,76
ØD 105 ØAL 90 ØS 50																	
HM2090500300	300	556	23,50														
HM2090500400	400	656	26,83														
HM2090500500	500	756	30,16														
HM2090500600	600	856	33,50	1/2"	40,25	70	70	35	70	130	35	CB40070070	CB40070130				
HM2090500700	700	956	36,98														
HM2090500800	800	1056	40,17														
HM2090501000	1000	1256	46,83														
ØD 115 ØAL 100 ØS 50														ØD 115 ØAL 100 ØS 60			
HM26500200	200	480	23,69														
HM26500250	250	530	25,72														
HM26500300	300	580	27,35														
HM26500400	400	680	30,99														
HM26500500	500	780	34,38	1/2"	40,25	70	70	35	70	130	35	CB40070070	CB40070130	HM26600300	300	580	29,49
HM26500600	600	880	38,03											HM26600400	400	680	33,61
HM26500700	700	980	41,54											HM26600500	500	780	38,04
HM26500800	800	1080	44,80											HM26600600	600	880	42,00
HM26501000	1000	1280	52,09											HM26600700	700	980	46,44
														HM26600800	800	1080	50,63
														HM26601000	1000	1280	58,78

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
 TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

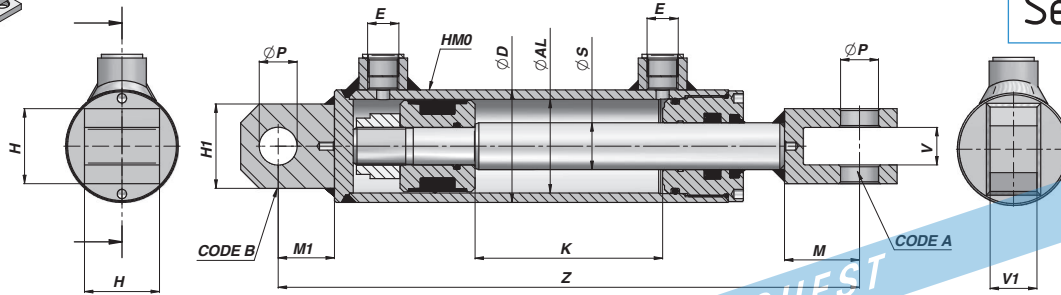
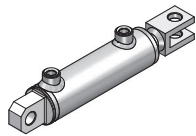
MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS
 ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 34 - TECHNICAL SPECIFICATIONS : SEE PAGE 34

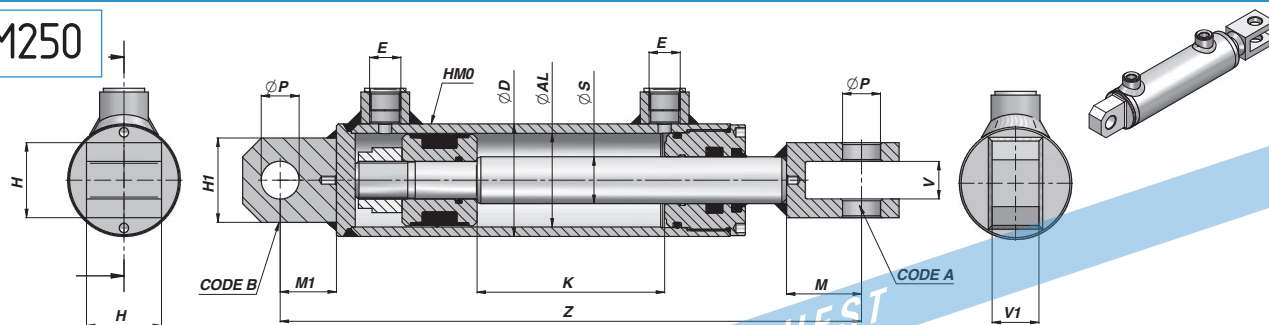
HM5

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS

Series M250



Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 42 ØAL 32 ØS 20																	
HM503220050	50	214	1,75														
HM5032200100	100	264	2,10														
HM5032200150	150	314	2,45														
HM5032200200	200	364	2,80														
HM5032200250	250	414	3,15	1/4"	16,20	35	16	34	35	20	25	CFS00000016	COF16000000				
HM5032200300	300	464	3,50														
HM5032200400	400	564	4,20														
HM5032200500	500	664	4,90														
ØD 50 ØAL 40 ØS 20																	
HM51200100	100	289	2,77														
HM51200150	150	339	3,16														
HM51200200	200	389	3,56														
HM51200250	250	439	3,97														
HM51200300	300	489	4,36														
HM51200350	350	539	4,77	1/4"	16,20	35	16	34	35	20	25	CFS00000016	COF16000000				
HM51200400	400	589	5,16														
HM51200450	450	639	5,57														
HM51200500	500	689	5,97														
ØD 50 ØAL 40 ØS 25																	
HM51250100	100	289	2,94														
HM51250150	150	339	3,40														
HM51250200	200	389	3,87														
HM51250250	250	439	4,33														
HM51250300	300	489	4,81														
HM51250350	350	539	5,27														
HM51250400	400	589	5,74														
HM51250450	450	639	6,22														
HM51250500	500	689	6,68														
HM51250550	550	739	7,15														
HM51250600	600	789	7,61														
ØD 60 ØAL 50 ØS 25																	
HM52250100	100	310	4,05														
HM52250150	150	360	4,60														
HM52250200	200	410	5,14														
HM52250250	250	460	5,63														
HM52250300	300	510	6,16														
HM52250350	350	560	6,69														
HM52250400	400	610	7,23														
HM52250450	450	660	7,75														
HM52250500	500	710	8,26														
HM52250550	550	760	8,84														
HM52250600	600	810	9,34														
HM52250700	700	910	10,40														
HM52250800	800	1010	11,46														
HM52251000	1000	1210	13,58														
ØD 60 ØAL 50 ØS 30																	
HM52300100	100	310	4,25														
HM52300150	150	360	4,87														
HM52300200	200	410	5,48														
HM52300250	250	460	6,11														
HM52300300	300	510	6,74														
HM52300350	350	560	7,33														
HM52300400	400	610	7,96														
HM52300450	450	660	8,56														
HM52300500	500	710	9,17														
HM52300550	550	760	9,79														
HM52300600	600	810	10,40														
HM52300700	700	910	11,63														
HM52300800	800	1010	12,85														
HM52301000	1000	1210	15,31														
ØD 70 ØAL 60 ØS 30																	
HM53300100	100	340	6,22														
HM53300150	150	390	6,89														
HM53300200	200	440	7,57														
HM53300250	250	490	8,25														
HM53300300	300	540	8,92														
HM53300350	350	590	9,60														
HM53300400	400	640	10,28														
HM53300450	450	690	10,95														
HM53300500	500	740	11,63														
HM53300550	550	790	12,30														
HM53300600	600	840	12,97														
HM53300700	700	940	14,33														
HM53300800	800	1040	15,68														
HM53301000	1000	1240	18,38														
ØD 70 ØAL 60 ØS 35																	
HM53350100	100	340	6,45														
HM53350150	150	390	7,23														
HM53350200	200	440	8,00														
HM53350250	250	490	8,78														
HM53350300	300	540	9,56														
HM53350350	350	590	10,33														
HM53350400	400	640	11,11														
HM53350450	450	690	11,88														
HM53350500	500	740	12,66														
HM53350550	550	790	13,44														
HM53350600	600	840	14,21														
HM53350700	700	940	15,77														
HM53350800	800	1040	19,34														
HM53351000	1000	1240	20,42														

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS
HM5**Series M250**

Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 70 ØAL 60 ØS 40														ØD 73 ØAL 63 ØS 40			
HM53400200	200	440	8,65											HM5063400200	200	440	8,86
HM53400250	250	490	9,54											HM5063400250	250	490	9,77
HM53400300	300	540	10,43											HM5063400300	300	540	10,68
HM53400350	350	590	11,32											HM5063400350	350	590	11,59
HM53400400	400	640	12,21											HM5063400400	400	640	12,45
HM53400450	450	690	13,10											HM5063400450	450	690	13,41
HM53400500	500	740	13,99	3/8"	25,25	50	25	45	50	30	35	CFS00000025	COF25000000	HM5063400500	500	740	14,31
HM53400550	550	790	14,88											HM5063400550	550	790	15,22
HM53400600	600	840	15,77											HM5063400600	600	840	16,16
HM53400700	700	940	17,56											HM5063400700	700	940	17,97
HM53400800	800	1040	19,34											HM5063400800	800	1040	19,79
HM53401000	1000	1240	22,91											HM5063401000	1000	1240	23,44
ØD 80 ØAL 70 ØS 35														ØD 80 ØAL 70 ØS 40			
HM54350100	100	340	7,44											HM54400100	100	340	7,82
HM54350150	150	390	8,28											HM54400150	150	390	8,77
HM54350200	200	440	9,11											HM54400200	200	440	9,73
HM54350250	250	490	9,95											HM54400250	250	490	10,68
HM54350300	300	540	10,79											HM54400300	300	540	11,63
HM54350350	350	590	11,63											HM54400350	350	590	12,59
HM54350400	400	640	12,46	3/8"	25,25	50	25	45	50	30	35	CFS00000025	COF25000000	HM54400400	400	640	13,54
HM54350450	450	690	13,30											HM54400450	450	690	14,48
HM54350500	500	740	14,14											HM54400500	500	740	15,44
HM54350550	550	790	14,98											HM54400550	550	790	16,39
HM54350600	600	840	15,81											HM54400600	600	840	17,34
HM54350700	700	940	17,49											HM54400700	700	940	19,26
HM54350800	800	1040	19,16											HM54400800	800	1040	21,16
HM54351000	1000	1240	22,51											HM54401000	1000	1240	24,97
ØD 92 ØAL 80 ØS 40														ØD 92 ØAL 80 ØS 50			
HM55400200	200	475	13,33											HM55500200	200	475	14,60
HM55400250	250	525	14,46											HM55500250	250	525	16,00
HM55400300	300	575	15,58											HM55500300	300	575	17,40
HM55400400	400	675	17,83											HM55500400	400	675	20,21
HM55400500	500	775	20,08	1/2"	30,25	60	30	50	60	35	45	CFS00000030	COF30000000	HM55500500	500	775	23,02
HM55400600	600	875	22,34											HM55500600	600	875	25,82
HM55400700	700	975	24,58											HM55500700	700	975	28,62
HM55400800	800	1075	26,84											HM55500800	800	1075	31,43
HM55401000	1000	1275	31,34											HM55501000	1000	1275	37,40
ØD 105 ØAL 90 ØS 50																	
HM5090500300	300	616	23,65														
HM5090500400	400	716	26,98														
HM5090500500	500	816	30,28														
HM5090500600	600	916	33,65	1/2"	40,25	80	40	70	70	40	60	CFS00000040	COF40000000				
HM5090500700	700	1016	36,98														
HM5090500800	800	1116	40,32														
HM5090501000	1000	1316	46,98														
ØD 115 ØAL 100 ØS 50														ØD 115 ØAL 100 ØS 60			
HM56500200	200	540	24,14														
HM56500250	250	590	25,90														
HM56500300	300	640	27,66														
HM56500400	400	740	31,17														
HM56500500	500	840	34,69	1/2"	40,25	80	40	70	70	40	60	CFS00000040	COF40000000	HM56600300	300	640	29,82
HM56500600	600	940	38,21											HM56600400	400	740	34,02
HM56500700	700	1040	41,73											HM56600500	500	840	38,21
HM56500800	800	1140	45,24											HM56600600	600	940	42,41
HM56501000	1000	1340	52,28											HM56600700	700	1040	46,61
														HM56600800	800	1140	50,80
														HM56601000	1000	1340	59,18

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
 TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

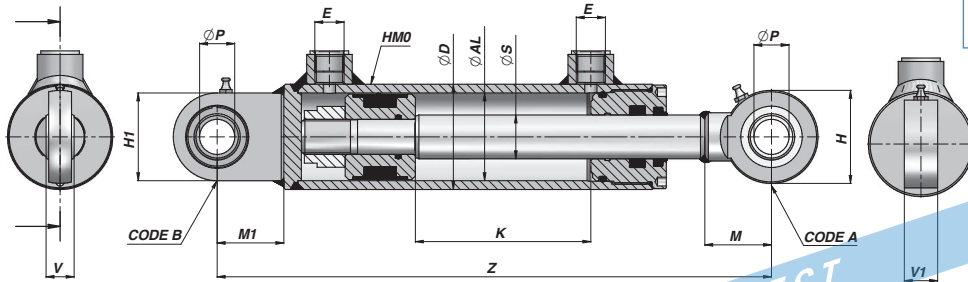
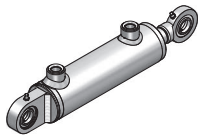
MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 - 1999/ISO 9227-NSS
 ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 - 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 34 - TECHNICAL SPECIFICATIONS : SEE PAGE 34

HMB

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS

Series M250

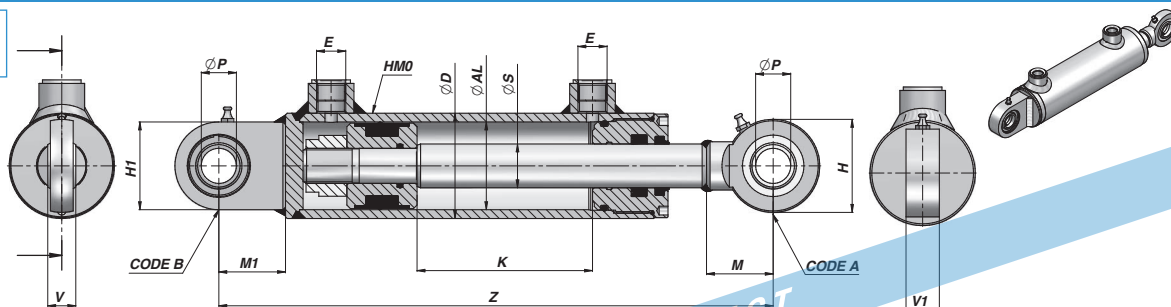


Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 42 ØAL 32 ØS 20																	
HMB032200050	50	225	1,75														
HMB032200100	100	275	2,09														
HMB032200150	150	325	2,44														
HMB032200200	200	375	2,79														
HMB032200250	250	425	3,15	1/4"	16	46	14	35	48	17,5	35	CSTS016C00	CSTS016N00				
HMB032200300	300	475	3,49														
HMB032200400	400	575	4,19														
HMB032200500	500	675	4,90														
ØD 50 ØAL 40 ØS 20																	
HMB1200100	100	300	2,75														
HMB1200150	150	350	3,15														
HMB1200200	200	400	3,55														
HMB1200250	250	450	3,96														
HMB1200300	300	500	4,35														
HMB1200350	350	550	4,75	1/4"	16	46	14	35	48	17,5	35	CSTS016C00	CSTS016N00				
HMB1200400	400	600	5,15														
HMB1200450	450	650	5,55														
HMB1200500	500	700	5,95														
ØD 50 ØAL 40 ØS 25																	
HMB1250100	100	300	2,94														
HMB1250150	150	350	3,41														
HMB1250200	200	400	3,89														
HMB1250250	250	450	4,34														
HMB1250300	300	500	4,81														
HMB1250350	350	550	5,28														
HMB1250400	400	600	5,75														
HMB1250450	450	650	6,22														
HMB1250500	500	700	6,68														
HMB1250550	550	750	7,16														
HMB1250600	600	800	7,62														
ØD 60 ØAL 50 ØS 25																	
HMB2250100	100	316	3,91														
HMB2250150	150	366	4,43														
HMB2250200	200	416	4,96														
HMB2250250	250	466	5,49														
HMB2250300	300	516	6,02														
HMB2250350	350	566	6,55														
HMB2250400	400	616	7,08														
HMB2250450	450	666	7,61														
HMB2250500	500	716	8,14														
HMB2250550	550	766	8,67														
HMB2250600	600	816	9,20														
HMB2250700	700	916	10,26														
HMB2250800	800	1016	11,32														
HMB2251000	1000	1216	13,44														
ØD 60 ØAL 50 ØS 30																	
HMB2300100	100	316	4,11														
HMB2300150	150	366	4,73														
HMB2300200	200	416	5,34														
HMB2300250	250	466	5,96														
HMB2300300	300	516	6,58														
HMB2300350	350	566	7,20														
HMB2300400	400	616	7,80														
HMB2300450	450	666	8,42														
HMB2300500	500	716	9,04														
HMB2300550	550	766	9,64														
HMB2300600	600	816	10,27														
HMB2300700	700	916	11,50														
HMB2300800	800	1016	12,72														
HMB2301000	1000	1216	15,18														
ØD 70 ØAL 60 ØS 30																	
HMB3300100	100	350	5,88														
HMB3300150	150	400	6,56														
HMB3300200	200	450	7,23														
HMB3300250	250	500	7,91														
HMB3300300	300	550	8,59														
HMB3300350	350	600	9,26														
HMB3300400	400	650	9,93														
HMB3300450	450	700	10,61														
HMB3300500	500	750	11,29														
HMB3300550	550	800	11,96														
HMB3300600	600	850	12,64														
HMB3300700	700	950	14,00														
HMB3300800	800	1050	15,34														
HMB3301000	1000	1250	18,04														
ØD 70 ØAL 60 ØS 35																	
HMB3350100	100	350	6,12														
HMB3350150	150	400	6,90														
HMB3350200	200	450	7,68														
HMB3350250	250	500	8,45														
HMB3350300	300	550	9,22														
HMB3350350	350	600	10,00														
HMB3350400	400	650	10,78														
HMB3350450	450	700	10,62														
HMB3350500	500	750	12,33														
HMB3350550	550	800	13,10														
HMB3350600	600	850	13,88														
HMB3350700	700	950	15,44														
HMB3350800	800	1050	16,99														
HMB3351000	1000	1250	20,09														

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS

HMB

Series M250



Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 70 ØAL 60 ØS 40														ØD 73 ØAL 63 ØS 40			
HMB3400200	200	450	8,35											HMB063400200	200	450	8,52
HMB3400250	250	500	9,19											HMB063400250	250	500	9,53
HMB3400300	300	550	10,11											HMB063400300	300	550	10,36
HMB3400350	350	600	10,99											HMB063400350	350	600	11,27
HMB3400400	400	650	11,86											HMB063400400	400	650	12,16
HMB3400450	450	700	12,78											HMB063400450	450	700	13,07
HMB3400500	500	750	13,67	3/8"	25	64	20	45	55	23	45	CSTS025C00	CSTS025N00	HMB063400500	500	750	13,98
HMB3400550	550	800	14,56											HMB063400550	550	800	14,89
HMB3400600	600	850	15,45											HMB063400600	600	850	15,80
HMB3400700	700	950	17,24											HMB063400700	700	950	17,64
HMB3400800	800	1050	19,02											HMB063400800	800	1050	19,46
HMB3401000	1000	1250	22,58											HMB063401000	1000	1250	23,08
ØD 80 ØAL 70 ØS 35														ØD 80 ØAL 70 ØS 40			
HMB4350100	100	350	7,12											HMB4400100	100	350	7,48
HMB4350150	150	400	7,93											HMB4400150	150	400	8,44
HMB4350200	200	450	8,79											HMB4400200	200	450	9,40
HMB4350250	250	500	9,61											HMB4400250	250	500	10,35
HMB4350300	300	550	10,47											HMB4400300	300	550	11,31
HMB4350350	350	600	11,30											HMB4400350	350	600	12,24
HMB4350400	400	650	12,14	3/8"	25	64	20	45	55	23	45	CSTS025C00	CSTS025N00	HMB4400400	400	650	13,19
HMB4350450	450	700	12,98											HMB4400450	450	700	14,16
HMB4350500	500	750	13,79											HMB4400500	500	750	15,11
HMB4350550	550	800	14,63											HMB4400550	550	800	16,05
HMB4350600	600	850	15,49											HMB4400600	600	850	17,00
HMB4350700	700	950	17,15											HMB4400700	700	950	18,92
HMB4350800	800	1050	18,81											HMB4400800	800	1050	20,81
HMB4351000	1000	1250	22,17											HMB4401000	1000	1250	24,62
ØD 92 ØAL 80 ØS 40														ØD 92 ØAL 80 ØS 50			
HMB5400200	200	482	12,81											HMB5500200	200	482	13,98
HMB5400250	250	532	13,93											HMB5500250	250	532	15,47
HMB5400300	300	582	15,05											HMB5500300	300	582	16,87
HMB5400400	400	682	17,24											HMB5500400	400	682	19,59
HMB5400500	500	782	19,55	1/2"	30	73	22	51	65	28	51	CSTS030C00	CSTS030N00	HMB5500500	500	782	22,43
HMB5400600	600	882	21,80											HMB5500600	600	882	25,29
HMB5400700	700	982	24,05											HMB5500700	700	982	28,10
HMB5400800	800	1082	26,30											HMB5500800	800	1082	30,90
HMB5401000	1000	1282	30,80											HMB5501000	1000	1282	36,47
ØD 105 ØAL 90 ØS 50																	
HMB090500300	300	624	23,14														
HMB090500400	400	724	26,47														
HMB090500500	500	824	29,80														
HMB090500600	600	924	33,14	1/2"	40	92	28	69	100	35	69	CSTS040C00	CSTS040N00				
HMB090500700	700	1024	36,47														
HMB090500800	800	1124	39,80														
HMB090501000	1000	1324	46,52														
ØD 115 ØAL 100 ØS 50														ØD 115 ØAL 100 ØS 60			
HMB6500200	200	548	23,46														
HMB6500250	250	598	25,22														
HMB6500300	300	648	26,97														
HMB6500400	400	748	30,49														
HMB6500500	500	848	34,00	1/2"	40	92	28	69	100	35	69	CSTS040C00	CSTS040N00	HMB6600300	300	648	29,17
HMB6500600	600	948	37,53											HMB6600400	400	748	33,36
HMB6500700	700	1048	41,05											HMB6600500	500	848	37,56
HMB6500800	800	1148	44,56											HMB6600600	600	948	41,76
HMB6501000	1000	1348	51,59											HMB6600700	700	1048	45,95
														HMB6600800	800	1148	50,15
														HMB6601000	1000	1348	58,62

MATERIEL TUBE : ACIER S1 52.3 DIN 2393 ISO H9
 TUBE MATERIAL : STEEL S1 52.3 DIN 2393 ISO H9

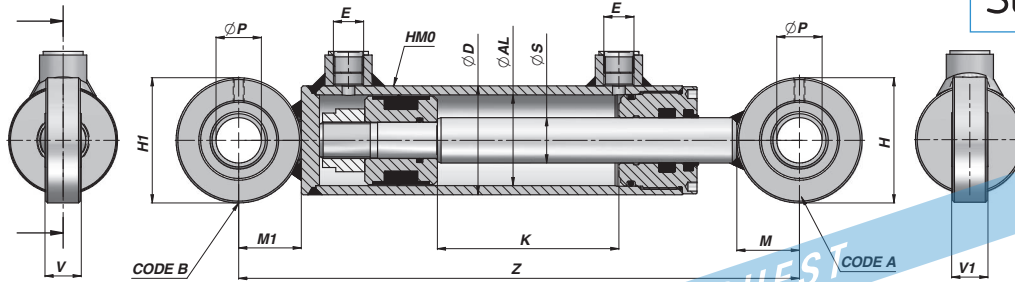
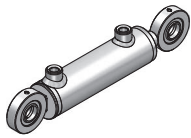
MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 - 1999/ISO 9227-NSS
 ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 - 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 36 - TECHNICAL SPECIFICATIONS : SEE PAGE 36

HMC

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS
DOUBLE ACTING CYLINDER WITH ENDS

Series M250

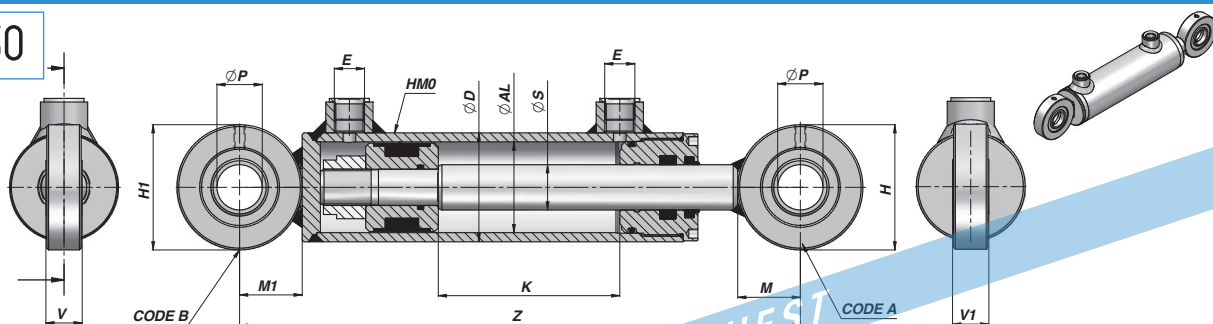


Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 42 ØAL 32 ØS 20																	
HMC032200050	50	195	1,45														
HMC032200100	100	245	1,80														
HMC032200150	150	295	2,15														
HMC032200200	200	345	2,50														
HMC032200250	250	395	2,85	1/4"	15	40	12	20	40	12	20	CAGEG04002615	CAGEG04002615				
HMC032200300	300	445	3,20														
HMC032200400	400	545	3,90														
HMC032200500	500	645	4,60														
ØD 50 ØAL 40 ØS 20																	
HMC1200100	100	280	2,63														
HMC1200150	150	330	3,03														
HMC1200200	200	380	3,43														
HMC1200250	250	430	3,83														
HMC1200300	300	480	4,23														
HMC1200350	350	530	4,63	1/4"	20	50	16	25	50	16	25	CAGEG05003520	CAGEG05003520				
HMC1200400	400	580	5,03														
HMC1200450	450	630	5,43														
HMC1200500	500	680	5,83														
ØD 50 ØAL 40 ØS 25																	
HMC1250100	100	280	2,80														
HMC1250150	150	330	3,23														
HMC1250200	200	380	3,74														
HMC1250250	250	430	4,21														
HMC1250300	300	480	4,68														
HMC1250350	350	530	5,15														
HMC1250400	400	580	5,62														
HMC1250450	450	630	6,09														
HMC1250500	500	680	6,55														
HMC1250550	550	730	7,02														
HMC1250600	600	780	7,49														
ØD 60 ØAL 50 ØS 25																	
HMC2250100	100	309	4,24														
HMC2250150	150	359	4,27														
HMC2250200	200	409	5,30														
HMC2250250	250	459	5,82														
HMC2250300	300	509	6,36														
HMC2250350	350	559	6,88														
HMC2250400	400	609	7,41														
HMC2250450	450	659	7,94	3/8"	25	69	20	34,5	69	20	34,5	CAGEG06904225	CAGEG06904225				
HMC2250500	500	709	8,47														
HMC2250550	550	759	9,00														
HMC2250600	600	809	9,53														
HMC2250700	700	909	10,65														
HMC2250800	800	1009	11,65														
HMC2251000	1000	1209	13,77														
ØD 70 ØAL 60 ØS 30																	
HMC3300100	100	329	5,83														
HMC3300150	150	379	6,50														
HMC3300200	200	429	7,18														
HMC3300250	250	479	7,86														
HMC3300300	300	529	8,53														
HMC3300350	350	579	9,21														
HMC3300400	400	629	9,88														
HMC3300450	450	679	10,56	3/8"	25	69	20	34,5	69	20	34,5	CAGEG06904225	CAGEG06904225				
HMC3300500	500	729	11,23														
HMC3300550	550	779	11,91														
HMC3300600	600	829	12,58														
HMC3300700	700	929	14,04														
HMC3300800	800	1029	15,29														
HMC3301000	1000	1229	17,99														
ØD 60 ØAL 50 ØS 30																	
HMC2300100	100	309	4,44														
HMC2300150	150	359	5,06														
HMC2300200	200	409	5,67														
HMC2300250	250	459	6,29														
HMC2300300	300	509	6,90														
HMC2300350	350	559	7,52														
HMC2300400	400	609	8,13														
HMC2300450	450	659	8,74														
HMC2300500	500	709	9,36														
HMC2300550	550	759	9,98														
HMC2300600	600	809	10,59														
HMC2300700	700	909	11,82														
HMC2300800	800	1009	13,05														
HMC2301000	1000	1209	15,50														
ØD 70 ØAL 60 ØS 35																	
HMC3350100	100	329	6,08														
HMC3350150	150	379	6,86														
HMC3350200	200	429	7,64														
HMC3350250	250	479	8,40														
HMC3350300	300	529	9,19														
HMC3350350	350	579	9,96														
HMC3350400	400	629	10,74														
HMC3350450	450	679	11,52														
HMC3350500	500	729	12,29														
HMC3350550	550	779	13,07														
HMC3350600	600	829	13,84														
HMC3350700	700	929	15,48														
HMC3350800	800	1029	16,95														
HMC3351000	1000	1229	20,05														

VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS

HMC

Series M250



Code Code	K	Z	kg	E BSP	ØP	H	V	M	H1	V1	M1	Code A	Code B	Code Code	K	Z	kg
ØD 70	ØAL 60	ØS 40												ØD 73	ØAL 63	ØS 40	
HMC3400200	200	429	8,26	3/8"	25	69	20	34,5	69	20	34,5	CAGEG06904225	CAGEG06904225	HMC063400200	200	429	8,57
HMC3400250	250	479	9,17											HMC063400250	250	479	9,48
HMC3400300	300	529	10,06											HMC063400300	300	529	10,29
HMC3400350	350	579	10,95											HMC063400350	350	579	11,30
HMC3400400	400	629	11,84											HMC063400400	400	629	12,21
HMC3400450	450	679	12,73											HMC063400450	450	679	13,13
HMC3400500	500	729	13,63											HMC063400500	500	729	14,01
HMC3400550	550	779	14,52											HMC063400550	550	779	14,86
HMC3400600	600	829	15,41											HMC063400600	600	829	15,75
HMC3400700	700	929	17,28											HMC063400700	700	929	17,68
HMC3400800	800	1029	18,95	HMC063400800	800	1029	19,48										
HMC3401000	1000	1229	22,54	HMC063401000	1000	1229	23,13										
ØD 80	ØAL 70	ØS 35												ØD 80	ØAL 70	ØS 40	
HMC4350100	100	335	7,25	3/8"	30	75	22	37,5	75	22	37,5	CAGEG07504730	CAGEG07504730	HMC4400100	100	335	7,76
HMC4350150	150	385	8,09											HMC4400150	150	385	8,71
HMC4350200	200	435	8,95											HMC4400200	200	435	9,54
HMC4350250	250	485	9,76											HMC4400250	250	485	10,49
HMC4350300	300	535	10,60											HMC4400300	300	535	11,45
HMC4350350	350	585	11,46											HMC4400350	350	585	12,40
HMC4350400	400	635	12,27											HMC4400400	400	635	13,35
HMC4350450	450	685	13,13											HMC4400450	450	685	14,30
HMC4350500	500	735	13,95											HMC4400500	500	735	15,26
HMC4350550	550	785	14,81											HMC4400550	550	785	16,21
HMC4350600	600	835	15,64	HMC4400600	600	835	17,16										
HMC4350700	700	935	17,43	HMC4400700	700	935	19,20										
HMC4350800	800	1035	18,99	HMC4400800	800	1035	20,97										
HMC4351000	1000	1235	22,34	HMC4401000	1000	1235	24,78										
ØD 92	ØAL 80	ØS 40												ØD 92	ØAL 80	ØS 50	
HMC5400200	200	474	13,54	1/2"	40	94	28	47	94	28	47	CAGEG09406240	CAGEG09406240	HMC5500200	200	474	14,69
HMC5400250	250	524	14,67											HMC5500250	250	524	16,09
HMC5400300	300	574	15,79											HMC5500300	300	574	17,50
HMC5400400	400	674	18,05											HMC5500400	400	674	20,30
HMC5400500	500	774	20,29											HMC5500500	500	774	23,11
HMC5400600	600	874	22,55											HMC5500600	600	874	25,92
HMC5400700	700	974	24,80											HMC5500700	700	974	28,72
HMC5400800	800	1074	27,05											HMC5500800	800	1074	31,53
HMC5401000	1000	1274	31,55											HMC5501000	1000	1274	37,14
ØD 105	ØAL 90	ØS 50												ØD 105	ØAL 90	ØS 60	
HMC090500300	300	580	21,79	1/2"	40	94	28	47	94	28	47	CAGEG09406240	CAGEG09406240				
HMC090500400	400	680	25,13														
HMC090500500	500	780	28,46														
HMC090500600	600	880	31,79														
HMC090500700	700	980	35,12														
HMC090500800	800	1080	38,46														
HMC090501000	1000	1280	45,12														
ØD 115	ØAL 100	ØS 50												ØD 115	ØAL 100	ØS 60	
HMC6500200	200	530	24,79	1/2"	50	120	35	60	120	35	60	CAGEG12007550	CAGEG12007550				
HMC6500250	250	580	26,55														
HMC6500300	300	630	28,30														
HMC6500400	400	730	31,82														
HMC6500500	500	830	35,34														
HMC6500600	600	930	38,86														
HMC6500700	700	1030	42,37														
HMC6500800	800	1130	45,78														
HMC6501000	1000	1330	52,93														
														HMC6600400	400	730	34,65
														HMC6600500	500	830	38,84
														HMC6600600	600	930	43,04
														HMC6600700	700	1030	47,23
														HMC6600800	800	1130	51,32
														HMC6601000	1000	1330	59,82

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

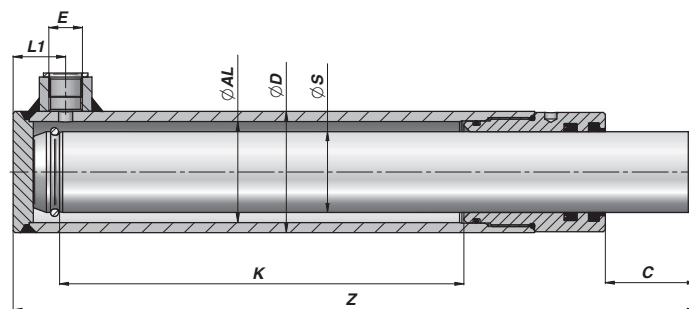
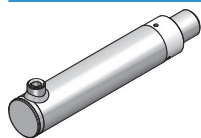
MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS
 ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 36 - TECHNICAL SPECIFICATIONS : SEE PAGE 36

HTO

VERIN PLONGEUR STANDARD
STANDARD PLUNGER CYLINDER

Series M250

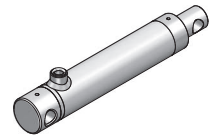
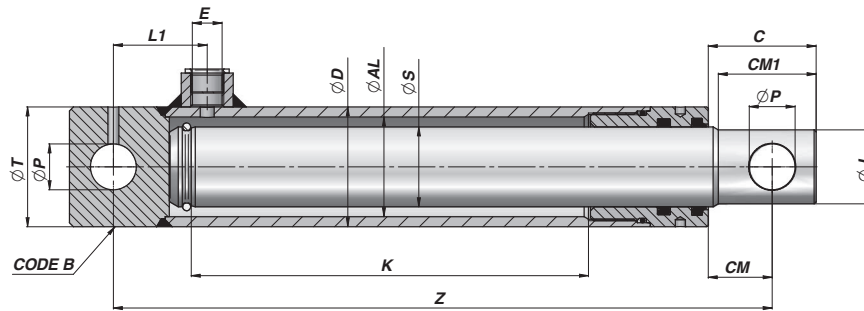


Code Code		K	Z	kg	E BSP	L1	C
ØD 50 ØAL 40 ØS 30							
KIT JOINTS / SEAL KITS GKG1030040	HT02300200	200	326	3,67	3/8"	23	40
	HT02300250	250	376	4,22			
	HT02300300	300	426	4,78			
	HT02300350	350	476	5,33			
	HT02300400	400	526	5,89			
	HT02300500	500	626	7,00			
ØD 60 ØAL 50 ØS 40							
KIT JOINTS / SEAL KITS GKG1040050	HT03400200	200	338	5,67	3/8"	26	45
	HT03400300	300	438	7,34			
	HT03400400	400	538	9,00			
	HT03400500	500	638	10,67			
	HT03400600	600	738	12,35			
	ØD 70 ØAL 60 ØS 50						
KIT JOINTS / SEAL KITS GKG1050060	HT04500300	300	450	10,60	3/8"	30	50
	HT04500400	400	550	12,94			
	HT04500500	500	650	15,28			
	HT04500600	600	750	17,62			

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS
ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 38 - TECHNICAL SPECIFICATIONS : SEE PAGE 38

VERIN PLONGEUR TYPE "HFRT"
PLUNGER CYLINDER "HFRT" TYPE
HFRT**Series M250**

	Code Code	K	Z	kg	E BSP	L1	ØP	CM	C	ØJ	CM1	ØT	Code B
ØD 40 ØAL 30 ØS 25													
KIT JOINTS / SEAL KITS GKGHFRT025	HFRT125100	100	190	1,64	3/8"	40	14,10	24	38	22	35	40	CFHR030014030
	HFRT125150	150	240	2,05									
	HFRT125200	200	290	2,46									
	HFRT125250	250	340	2,87									
	HFRT125300	300	390	3,28									
ØD 50 ØAL 40 ØS 30													
KIT JOINTS / SEAL KITS GKGHFRT030	HFRT230200	200	300	3,64	3/8"	42	16,20	26	42	27	37	50	CF04005016
	HFRT230250	250	350	4,19									
	HFRT230300	300	400	4,74									
	HFRT230350	350	450	5,30									
	HFRT230400	400	500	5,85									
	HFRT230550	550	650	7,52									
	HFRT230700	700	800	9,18									
ØD 60 ØAL 50 ØS 40													
KIT JOINTS / SEAL KITS GKGHFRT040	HFRT340200	200	330	6,08	3/8"	47	23,10	32	54	37	49	60	CFHR050023050
	HFRT340250	250	380	6,91									
	HFRT340300	300	430	7,75									
	HFRT340350	350	480	8,58									
	HFRT340400	400	530	9,41									
	HFRT340550	550	680	11,90									
	HFRT340700	700	830	14,40									
ØD 60 ØAL 50 ØS 45													
KIT JOINTS / SEAL KITS GKGHFRT045	HFRT345200	200	330	6,73	3/8"	47	23,10	34	56	42	49	60	CFHR05023050
	HFRT345250	250	380	7,69									
	HFRT345300	300	430	8,66									
	HFRT345350	350	480	9,62									
	HFRT345400	400	530	10,58									
ØD 70 ØAL 60 ØS 50													
KIT JOINTS / SEAL KITS GKGHFRT050	HFRT450300	300	460	11,40	3/8"	50	25,50	49	74	47	65	65	CFHRT07060
	HFRT450400	400	560	13,74									
	HFRT450550	550	710	17,25									
	HFRT450700	700	860	20,77									
ØD 80 ØAL 70 ØS 60													
KIT JOINTS / SEAL KITS GKGHFRT060	HFRT560200	200	360	12,26	3/8"	50	25,25	36	61	57	57	75	CFHRT08070
	HFRT560300	300	460	15,40									
	HFRT560400	400	560	18,53									
	HFRT560550	550	710	23,24									
	HFRT560700	700	860	27,95									
ØD 92 ØAL 80 ØS 70													
KIT JOINTS / SEAL KITS GKGHFRT070	HFRT570300	300	509	22,66	3/8"	55	30,25	66	96	67	90	85	CFHRT09080
	HFRT570400	400	609	26,94									
	HFRT570500	500	709	31,23									

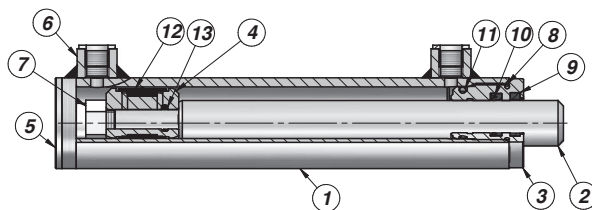
MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
 TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

MATERIEL TIGE : ACIER UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS
 ROD MATERIAL : STEEL UNI C45 SAE 1045 CHROME 25 µm ±5 Rating 9 / 200h ISO 10289 – 1999/ISO 9227-NSS

CARACTERISTIQUES TECHNIQUES : VOIR PAGE 38 - TECHNICAL SPECIFICATIONS : SEE PAGE 38

CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

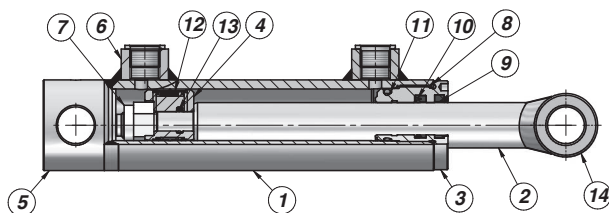
TYPE "HMO" - "HMOLM"



"HMO" Pression Maxi - Max. Pressure: 250 Bar (**)

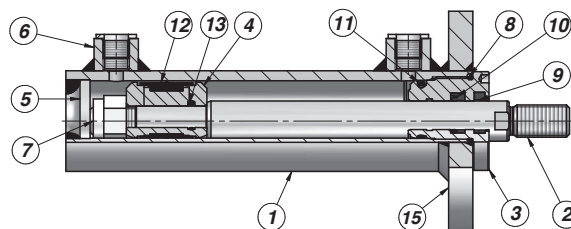
"HMOLM" Pression Maxi - Max. Pressure: 180 Bar

TYPE "HFR2S"



"HFR2S" Pression Maxi - Max. Pressure: 250 Bar (**)

TYPE "HMF"



"HMF" Pression Maxi - Max. Pressure: 250 Bar (**)

PRODUIT - PRODUCT		MATERIEL - MATERIAL	
1	TUBE GLACE POLISHED TUBE	ACIER: S1 52.3 DIN 2393 ISO H9 STEEL: S1 52.3 DIN 2393 ISO H9	
2	TIGE CHROMEE CHROMED ROD	ACIER: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS STEEL: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS	
3	TETE DE GUIDAGE HEAD BUSH	FONTE: EN-GJL 250 (G25-UNI 5007 / EN 1561) HYDRAULIC CAST IRON: EN-GJL 250 (G25-UNI 5007 / EN 1561)	
4	PISTON PISTON	ACIER: 9SMn28 STEEL: 9SMn28	
5	FOND END PLUG	ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	
6	BOSSAGE TARAUDE THREADED PORT	ACIER STEEL	
7	ECROU DE BLOCAGE PISTON LOCKNUT	ACIER: UNI 7473 - 7474 STEEL: UNI 7473 - 7474	
8	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
9	JOINT: GHK SEAL: GHK	POLYURETHANE POLYURETHANE	
10	JOINT: TSE-TTS-TT/L SEAL: TSE-TTS-TT/L	TSE: NBR+TISSU TTS-TT/L: POLYURETHANE TSE: NBR+FABRIC TTS-TT/L: POLYURETHANE	
11	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
12	JOINT: TPM SEAL: TPM	NBR+POM+TPE NBR+POM+TPE	
13	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
14	DOUILLE BUSH	ACIER: S355J0 (Fe510C) STEEL: S355J0 (Fe510C)	
15	BRIDE FLANGE	ACIER: S355J0 (Fe510C) STEEL: S355J0 (Fe510C)	

Vitesse Maxi - Top Speed: max 0,5 m/s

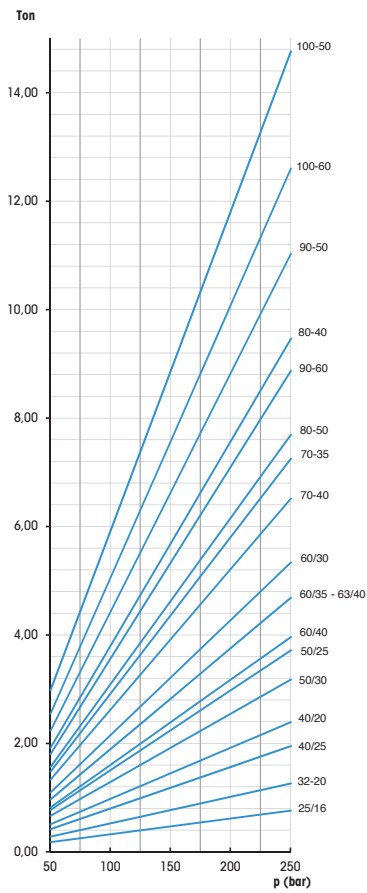
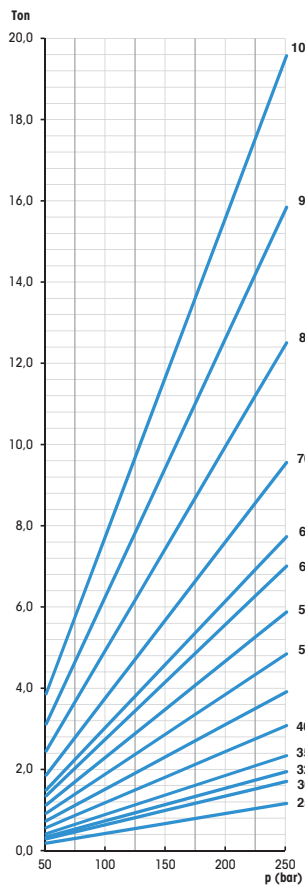
Température C° - Temperature C°: -25°C - +80°C

(**) La valeur de pression est toujours à vérifier selon l'application du vérin.

(**) The pressure value is always to be checked depending on the application of the cylinders.

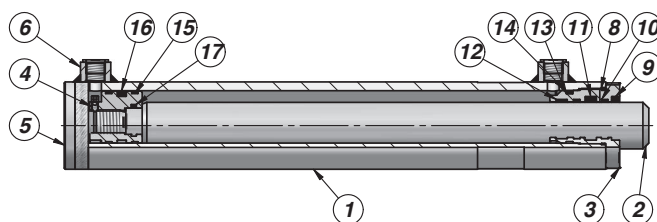
CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

FORCE DE POUSSEE - *OUTPUT FORCE* FORCE DE TRACTION - *INPUT FORCE*



CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

TYPE "HMOPM"



Pression Maxi - Max. Pressure: 350 Bar (**)

PRODUIT - PRODUCT		MATERIEL - MATERIAL	
1	TUBE RODE HONED TUBE	ACIER: St 52.3 DIN 2391 ISO H8 STEEL: St 52.3 DIN 2391 ISO H8	
2	TIGE CHROMEE CHROMED ROD	ACIER: 20MnV6 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 – 1999/ISO 9227-NSS STEEL: 20MnV6 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 – 1999/ISO 9227-NSS	
3	TETE DE GUIDAGE HEAD BUSH	ACIER: C40 STEEL: C40	
4	PISTON PISTON	ACIER: C40 STEEL: C40	
5	FOND END PLUG	ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	
6	BOSSAGE TARAUDE THREADED PORT	ACIER STEEL	
8	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
9	JOINT: GHM/C SEAL: GHM/C	NBR + METALLO NBR + METAL	
10	JOINT: TTX/S SEAL: TTX/S	POLYURETHANE + POM POLYURETHANE + POM	
11	JOINT: GIR SEAL: GIR	PTFE + NBR PTFE + NBR	
12	JOINT: GAF SEAL: GAF	TISSU + RESINE PHENOLIQUE FABRIC + PHENOLIC RESIN	
13	JOINT: GKS SEAL: GKS	TPE TPE	
14	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
15	JOINT: PDH SEAL: PDH	NBR + PTFE + POM NBR + PTFE + POM	
16	JOINT: GAF SEAL: GAF	TISSU + RESINE PHENOLIQUE FABRIC + PHENOLIC RESIN	
17	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	

Vitesse Maxi - Top Speed: max 1 m/s

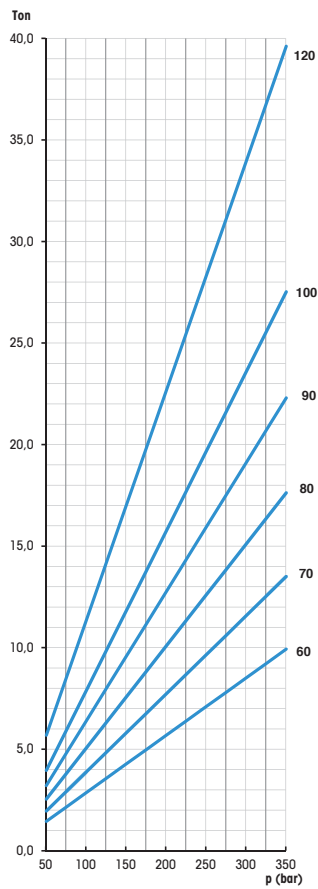
Température C° - Temperature C°: -25°C - +80°C

(**) La valeur de pression est toujours à vérifier selon l'application du vérin.

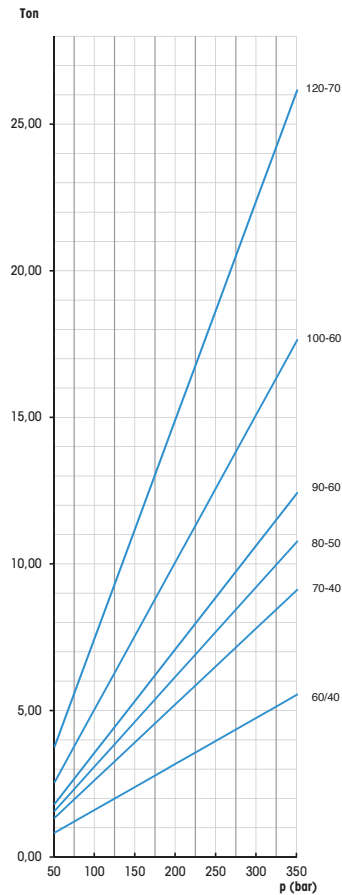
(**) The pressure value is always to be checked depending on the application of the cylinders.

CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

FORCE DE POUSSEE - *OUTPUT FORCE*

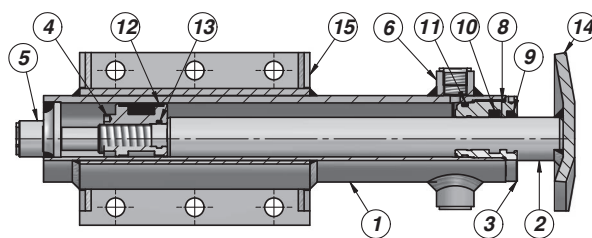


FORCE DE TRACTION - *INPUT FORCE*



CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

TYPE "HMS"



Pression Maxi - Max. Pressure: 250 Bar (**)

PRODUIT - PRODUCT		MATERIEL - MATERIAL	
1	TUBE GLACE POLISHED TUBE	ACIER: St 52.3 DIN 2393 ISO H9 STEEL: St 52.3 DIN 2393 ISO H9	
2	TIGE CHROMÉE CHROMED ROD	ACIER: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS STEEL: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS	
3	TÊTE DE GUIDAGE HEAD BUSH	FONTE: EN-GJL 250 (G25-UNI 5007 / EN 1561) HYDRAULIC CAST IRON: EN-GJL 250 (G25-UNI 5007 / EN 1561)	
4	PISTON PISTON	ACIER: 9SMn28 - C40 STEEL: 9SMn28 - C40	
5	FOND END PLUG	ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	
6	BOSSAGE TARAUDE THREADED PORT	ACIER STEEL	
8	JOINT: SEAL:	O-RING O-RING	NBR 70 SHORE NBR 70 SHORE
9	JOINT: SEAL :	GHK GHK	POLYURETHANE POLYURETHANE
10	JOINT: SEAL:	TSE-TTS-TT/L TSE-TTS-TT/L	TSE : NBR+TISSU TSE : NBR+FABRIC
11	JOINT: SEAL:	O-RING O-RING	NBR 70 SHORE NBR 70 SHORE
12	JOINT: SEAL:	TPM TPM	NBR+POM+TPE NBR+POM+TPE
13	JOINT: SEAL:	O-RING O-RING	NBR 70 SHORE NBR 70 SHORE
14	BRIDE FLANGE	ACIER: S355J0 (Fe510C) STEEL: S355J0 (Fe510C)	
15	PLAQUE PLATE	ACIER: S355J0 (Fe510C) STEEL: S355J0 (Fe510C)	

Vitesse Maxi - Top Speed: max 0,5 m/s

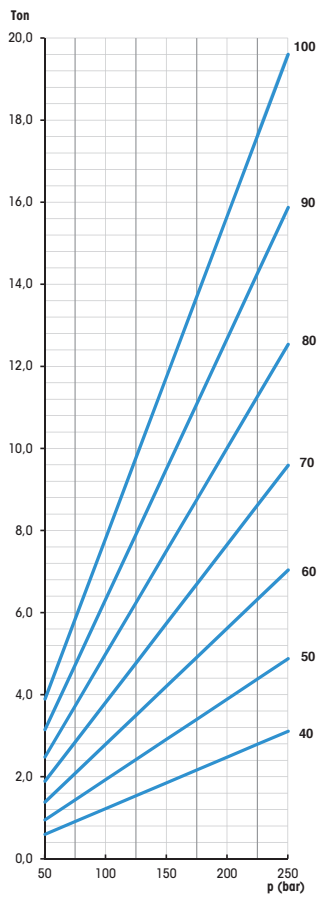
Température C° - Temperature C°: -25°C - +80°C

(**) La valeur de pression est toujours à vérifier selon l'application du vérin.

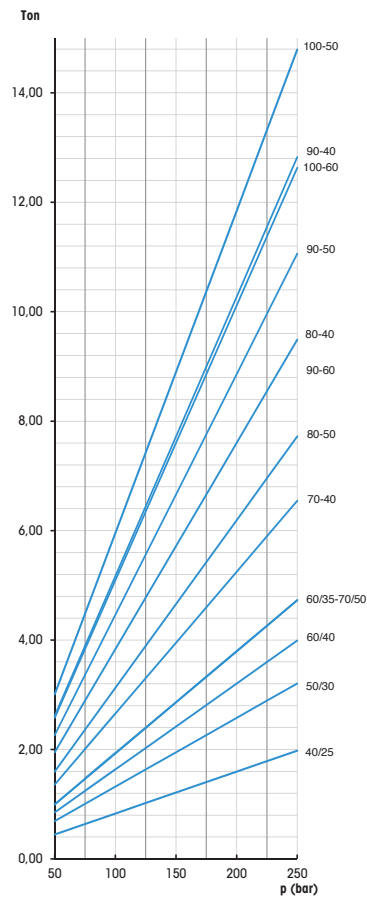
(**) The pressure value is always to be checked depending on the application of the cylinders.

CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

FORCE DE POUSSEE - OUTPUT FORCE

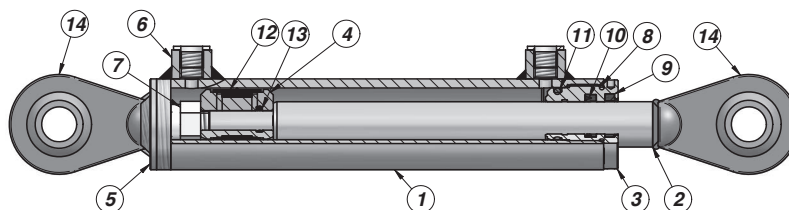


FORCE DE TRACTION - INPUT FORCE



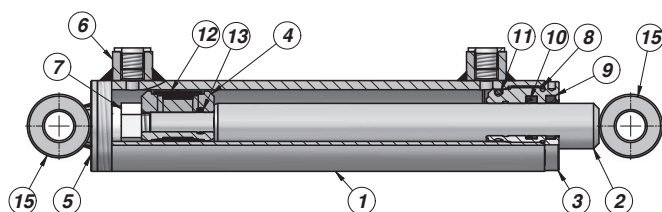
CARACTERISTIQUES TECHNIQUES
TECHNICAL SPECIFICATIONS

TYPE "HM1"



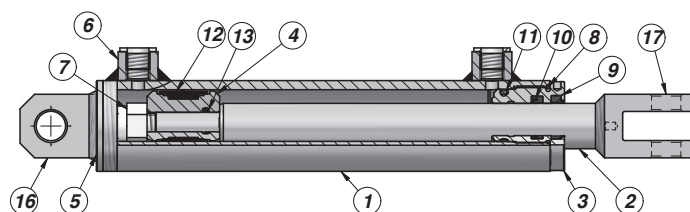
Presson Maxi - Max. Pressure: 250 Bar (**)

TYPE "HM2"



Presson Maxi - Max. Pressure: 250 Bar (**)

TYPE "HM5"



Presson Maxi - Max. Pressure: 250 Bar (**)

PRODUIT - PRODUCT		MATERIEL - MATERIAL	
1	TUBE GLACE POLISHED TUBE	ACIER: St 52.3 DIN 2393 ISO H9 STEEL: St 52.3 DIN 2393 ISO H9	
2	TIGE CHROME CHROMED ROD	ACIER: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS STEEL: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS	
3	TETE DE GUIDAGE HEAD BUSH	FONTE: EN-GJL 250 (G25-UNI 5007 / EN 1561) HYDRAULIC CAST IRON: EN-GJL 250 (G25-UNI 5007 / EN 1561)	
4	PISTON PISTON	ACIER: 9SMn28 STEEL: 9SMn28	
5	FOND END PLUG	ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	
6	BOSSAGE TARAUDE THREADED PORT	ACIER STEEL	
7	ECROU DE BLOCAGE PISTON LOCKNUT	ACIER: UNI 7473 - 7474 STEEL: UNI 7473 - 7474	
8	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
9	JOINT: GHK SEAL: GHK	POLYURETHANE POLYURETHANE	
10	JOINT: TSE-TTS-TT/L SEAL: TSE-TTS-TT/L	TSE: NBR+TISSU TSE: NBR+FABRIC	TTS-TT/L: POLYURETHANE TTS-TT/L: POLYURETHANE
11	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
12	JOINT: TPM SEAL: TPM	NBR+POM+TPE NBR+POM+TPE	
13	JOINT: O-RING SEAL: O-RING	NBR 70 SHORE NBR 70 SHORE	
14	ROTULE AGRICOLE AGRICULTURE BALL JOINT END	ACIER: C40 - UNI EN 10083-1 STEEL: C40 - UNI EN 10083-1	
15	DOUILLE BUSH	TYPE : "CB" TYPE : "CB"	ACIER: S355J0 (Fe510C) STEEL: S355J0 (Fe510C)
16	CHAPE MALE MALE CLEVIS	TYPE : "COF" TYPE : "COF"	ACIER: S235JR (Fe360/Fe360B) STEEL: S235JR (Fe360/Fe360B)
17	CHAPE FEMELLE FORK	TYPE : "CFS" TYPE : "CFS"	ACIER: S235JR (Fe360/Fe360B) STEEL: S235JR (Fe360/Fe360B)

Vitesse Maxi - Top Speed: max 0,5 m/s

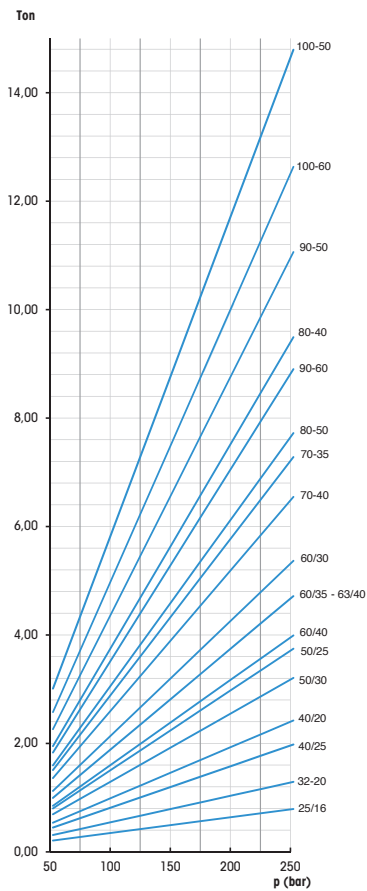
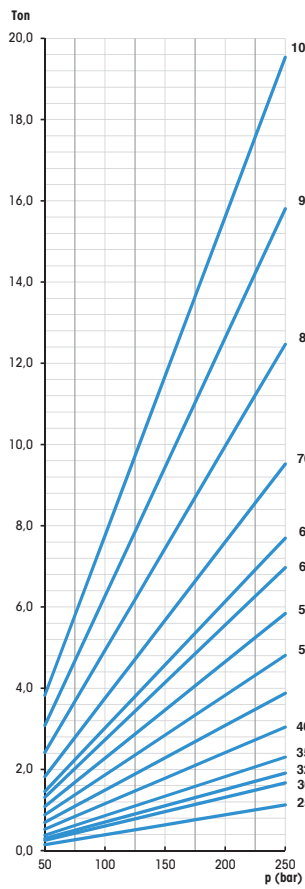
Température C° - Temperature C°: -25°C - +80°C

(**) La valeur de pression est toujours à vérifier selon l'application du vérin.

(**) The pressure value is always to be checked depending on the application of the cylinders.

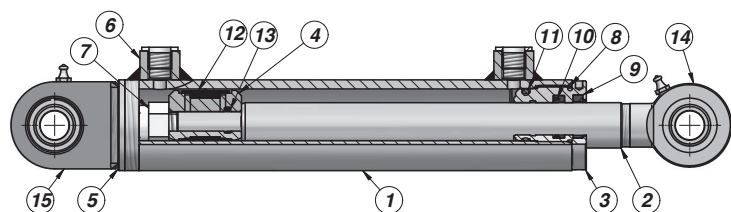
CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

FORCE DE POUSSEE - *OUTPUT FORCE* FORCE DE TRACTION - *INPUT FORCE*



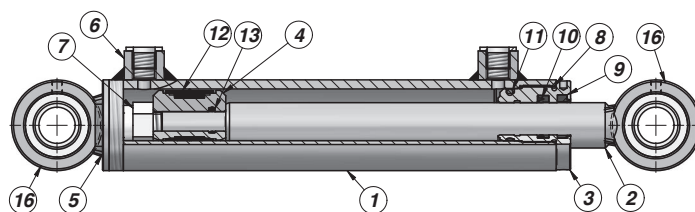
CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

TYPE "HMB"



Pression Maxi - Max. Pressure: 250 Bar (**)

TYPE "HMC"



Pression Maxi - Max. Pressure: 250 Bar (**)

PRODUIT - PRODUCT			MATERIEL - MATERIAL	
1	TUBE GLACE POLISHED TUBE		ACIER: St 52.3 DIN 2393 ISO H9 STEEL: St 52.3 DIN 2393 ISO H9	
2	TIGE CHROME CHROMED ROD		ACIER: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS STEEL: UNI C45 - SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS	
3	TETE DE GUIDAGE HEAD BUSH		FONTE: EN-GJL 250 (G25-UNI 5007 / EN 1561) HYDRAULIC CAST IRON: EN-GJL 250 (G25-UNI 5007 / EN 1561)	
4	PISTON PISTON		ACIER: 9SMn28 STEEL: 9SMn28	
5	FOND END PLUG		ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	
6	BOSSAGE TARAUDE THREADED PORT		ACIER STEEL	
7	ECROU DE BLOCAGE PISTON LOCKNUT		ACIER: UNI 7473 - 7474 STEEL: UNI 7473 - 7474	
8	JOINT: O-RING SEAL: O-RING		NBR 70 SHORE NBR 70 SHORE	
9	JOINT: GHK SEAL: GHK		POLYURETHANE POLYURETHANE	
10	JOINT: TSE-TTS-TT/L SEAL: TSE-TTS-TT/L		TSE: NBR+TISSU TTS-TT/L: POLYURETHANE TSE: NBR+FABRIC TTS-TT/L: POLYURETHANE	
11	JOINT: O-RING SEAL: O-RING		NBR 70 SHORE NBR 70 SHORE	
12	JOINT: TPM SEAL: TPM		NBR+POM+TPE NBR+POM+TPE	
13	JOINT: O-RING SEAL: O-RING		NBR 70 SHORE NBR 70 SHORE	
14	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	TYPE : "CSTS...C" TYPE : "CSTS...C"	ACIER: ISO 12240-4 SERIE E - TYPE S STEEL: ISO 12240-4 SERIES E - TYPE S	
15	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	TYPE : "CSTS...N" TYPE : "CSTS...N"	ACIER: ISO 12240-1 SERIE E STEEL: ISO 12240-1 SERIES E	
16	BAGUE A SOUDER AVEC ROTULE "GE" MONTEE WELD-RING WITH "GE" BALL-JOINT	TYPE : "CAGEG" TYPE : "CAGEG"	ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	

Vitesse Maxi - Top Speed: max 0,5 m/s

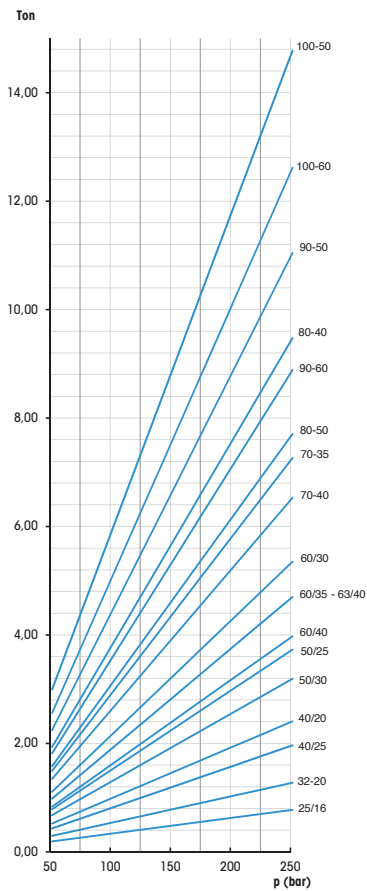
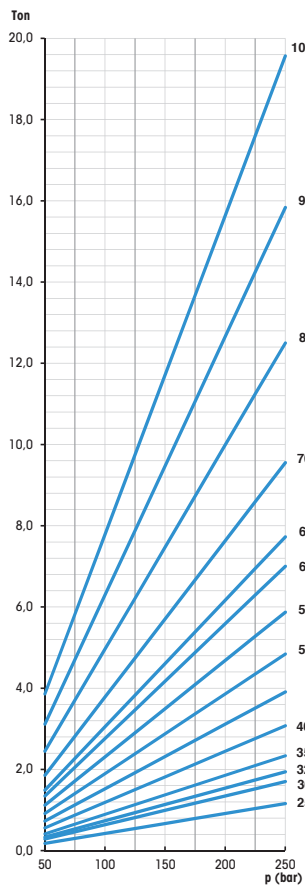
Température C° - Temperature C°: -25°C - +80°C

(**) La valeur de pression est toujours à vérifier selon l'application du vérin.

(**) The pressure value is always to be checked depending on the application of the cylinders.

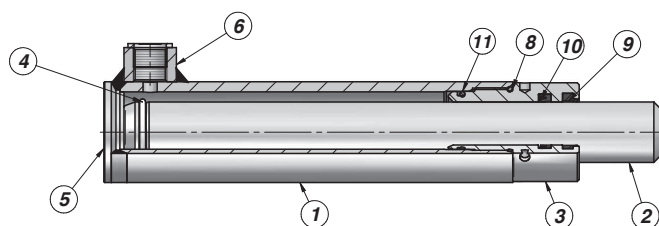
CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

FORCE DE POUSSEE - *OUTPUT FORCE* FORCE DE TRACTION - *INPUT FORCE*



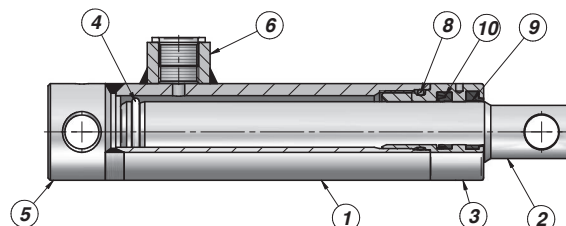
CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

TYPE "HTO"



"HTO" Pression Maxi - Max. Pressure: 250 Bar (**)

TYPE "HFRT"



"HFRT" Pression Maxi - Max. Pressure: 250 Bar (**)

PRODUIT - PRODUCT			MATERIEL - MATERIAL	
1	TUBE GLACE POLISHED TUBE		ACIER: St 52.3 DIN 2393 ISO H9 STEEL: St 52.3 DIN 2393 ISO H9	
2	TIGE CHROMEE CHROMED ROD		ACIER: UNIC45-SAE 1045-CHROME 25µm±5 Rating 9/200h (<ø20 120h) ISO 10289-1999/ISO 9227-NSS STEEL: UNIC45-SAE 1045-CHROME 25µm±5 Rating 9/200h (<ø20 120h) ISO 10289-1999/ISO 9227-NSS	
3	TETE DE GUIDAGE HEAD BUSH	TYPE : "HTO" TYPE: "HTO"	FONTE: EN-GJL 250 (G25-UNI 5007 / EN 1561) HYDRAULIC CAST IRON: EN-GJL 250 (G25-UNI 5007 / EN 1561)	
3	TETE DE GUIDAGE HEAD BUSH	TYPE : "HFRT" TYPE: "HFRT"	ACIER: 9SMn28 AVEC TRAITEMENT "NI-TEMPER" STEEL: 9SMn28 WITH "NI-TEMPER" TREATMENT	
4	JONC D'ARRET TIGE STOP RING		ACIER: 9SMn28 STEEL: 9SMn28	
5	FOND END PLUG		ACIER: S355J0 (Fe510C) - S355JR (A105) STEEL: S355J0 (Fe510C) - S355JR (A105)	
6	BOSSAGE TARAUDE THREADED PORT		ACIER STEEL	
8	JOINT: O-RING SEAL: O-RING	TYPE : "HTO" TYPE: "HTO"	NBR 70 SHORE NBR 70 SHORE	
8	JOINT: O-RING SEAL: O-RING	TYPE : "HFRT" TYPE: "HFRT"	NBR 90 SHORE NBR 90 SHORE	
9	JOINT: GHK SEAL: GHK		POLYURETHANE POLYURETHANE	
10	JOINT: TSE-TTS-TT/L SEAL: TSE-TTS-TT/L		TSE: NBR+TISSU TTS-TT/L: POLYURETHANE TSE: NBR+FABRIC TTS-TT/L: POLYURETHANE	
11	JOINT: O-RING SEAL: O-RING		NBR 70 SHORE NBR 70 SHORE	

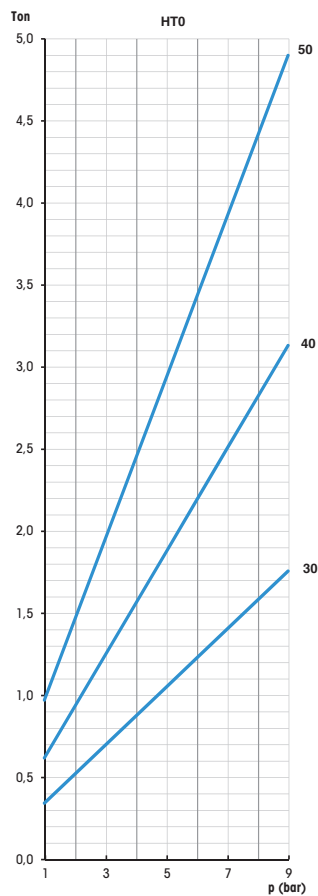
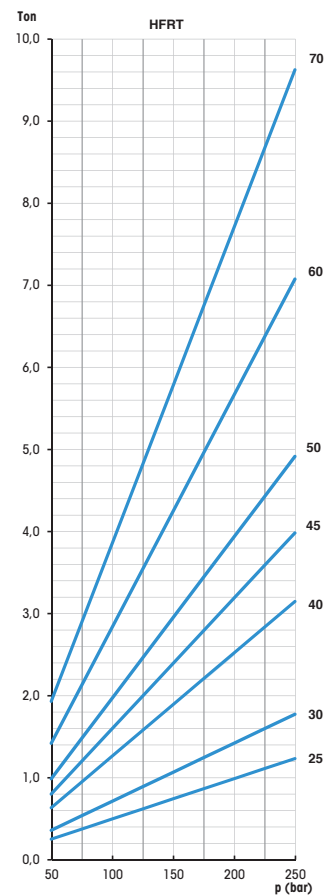
Vitesse Maxi - Top Speed: max 0,5 m/s

Température C° - Temperature C°: -25°C - +80°C

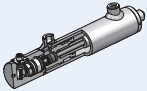
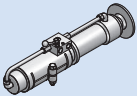
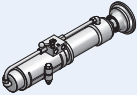
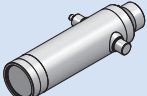
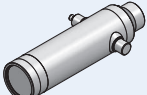
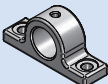
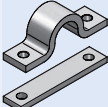
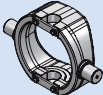
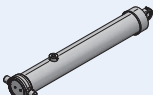
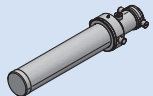
(**) La valeur de pression est toujours à vérifier selon l'application du vérin.

(**) The pressure value is always to be checked depending on the application of the cylinders.

CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS

FORCE DE POUSSEE - *OUTPUT FORCE* (HT0)FORCE DE POUSSEE - *OUTPUT FORCE* (HFRT)

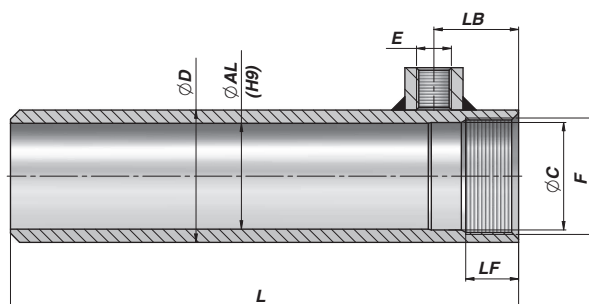
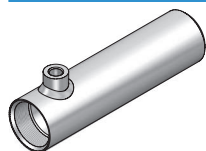
VERINS SPECIAUX SPECIAL CYLINDERS

	Description - Description	Type	
	VERIN SUIVANT PLAN FABRIQUE PAR CONTARINI CUSTOM MADE CYLINDER PRODUCED BY CONTARINI		CONTACTEZ-NOUS!
	VERIN DE BEQUILLE AVEC BRIDE HYDRAULIC STABILIZER CYLINDER WITH FLANGE MOUNTING	IP-F	CONTACTEZ-NOUS!
	VERIN DE BEQUILLE AVEC SPHERE HYDRAULIC STABILIZER CYLINDER WITH BALL MOUNTING	IP-S	CONTACTEZ-NOUS!
	VERIN TELESCOPIQUE SIMPLE EFFET SINGLE ACTING TELESCOPIC CYLINDER	HTE	CONTACTEZ-NOUS!
	VERIN TELESCOPIQUE SIMPLE EFFET SINGLE ACTING TELESCOPIC CYLINDER	LIGHT DUTY IH	CONTACTEZ-NOUS!
	PALIER VERIN (PAIRE) POUR VERIN HTE / IH CYLINDER SUPPORT (COUPLE) FOR HTE / IH TYPE	ASUP IH-SC	CONTACTEZ-NOUS!
	BALANCIER VERIN (PAIRE) POUR VERIN HTE / IH CRADLE SUPPORT (COUPLE) FOR HTE / IH TYPE	ASUP...A IH-SB	CONTACTEZ-NOUS!
	BALANCIER POUR VERIN HTE / IH CRADLE FOR HTE / IH TYPE	ACU IH-L	CONTACTEZ-NOUS!
	VERIN TELESCOPIQUE SIMPLE EFFET ET ACCESSOIRES SINGLE ACTING TELESCOPIC CYLINDER AND ACCESSORIES	FRONT MOUNT IH-HF	CONTACTEZ-NOUS!
	VERIN TELESCOPIQUE SIMPLE EFFET ET ACCESSOIRES SINGLE ACTING TELESCOPIC CYLINDER AND ACCESSORIES	FRONT MOUNT IH-HFC	CONTACTEZ-NOUS!

[illegible]

STLTUBE USINE AVEC BOSSAGE SOUDE
TURNED CYLINDER TUBE WITH WELDED THREADED PORT

Series M250

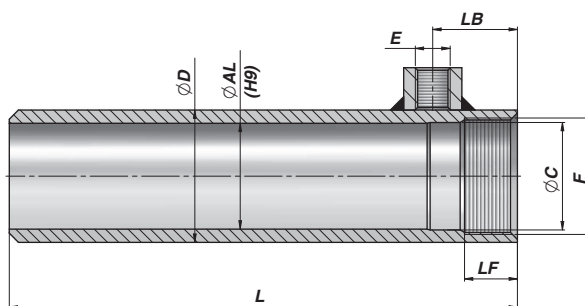


Code Code	ØAL	Course Stroke	L	ØD	E BSP	LB	F	LF	ØC	kg
STFR025050050	25	50	95	35	1/4"	15	M28x1,5	13	-	0,40
STFR025050100		100	145							0,60
STFR025050150		150	195							0,70
STFR025050200		200	245							0,90
STFR032050050	32	50	127	42	1/4"	27	M36x1,5	16	32,6	0,60
STFR032050100		100	177							0,80
STFR032050150		150	227							1,00
STFR032050200		200	277							1,30
STFR032050250		250	327							1,50
STFR032050300		300	377							1,70
STFR032050400		400	477							2,20
STFR032050500		500	577							2,60
STL1500100	40	100	192	50	1/4"	32	M44x1,5	20	40,6	1,09
STL1500150		150	242							1,37
STL1500200		200	292							1,64
STL1500250		250	342							1,92
STL1500300		300	392							2,19
STL1500350		350	442							2,47
STL1500400		400	492							2,74
STL1500450		450	542							3,02
STL1500500	50	500	592	60	3/8"	35	M54x1,5	23	50,6	3,30
STL1500550		550	642							3,57
STL1500600		600	692							3,85
STL2500100		100	202							1,40
STL2500150		150	252							1,74
STL2500200		200	302							2,08
STL2500250		250	352							2,42
STL2500300		300	402							2,75
STL2500350		350	452							3,09
STL2500400		400	502							3,43
STL2500450		450	552							3,76
STL2500500		500	602							4,10
STL2500550	60	550	652	70	3/8"	40	M64x1,5	28	60,6	4,44
STL2500600		600	702							4,77
STL2500700		700	802							5,44
STL2500800		800	902							6,12
STL2501000		1000	1102							7,47
STL2501500		1500	1602							10,17
STL3500100	60	100	217	70	3/8"	40	M64x1,5	28	60,6	1,77
STL3500150		150	267							2,17
STL3500200		200	317							2,57
STL3500250		250	367							2,97
STL3500300		300	417							3,36
STL3500350		350	467							3,76
STL3500400		400	517							4,16
STL3500450		450	567							4,56
STL3500500		500	617							4,96
STL3500550		550	667							5,35
STL3500600		600	717							5,75
STL3500700		700	817							6,49
STL3500800		800	917							7,35
STL3501000		1000	1117							8,94
STL3501500		1500	1617							12,95

TUBE USINE AVEC BOSSAGE SOUDE
TURNED CYLINDER TUBE WITH WELDED THREADED PORT

STL

Series M250

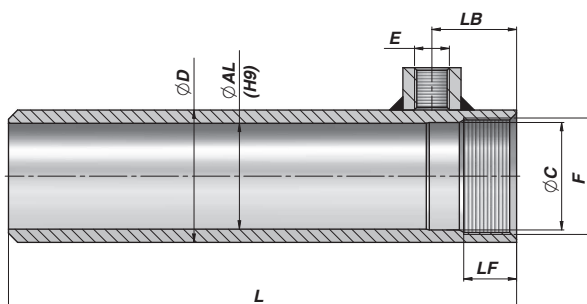
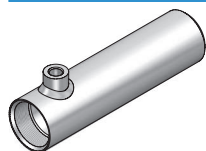


Code Code	ØAL	Course Stroke	L	ØD	E BSP	LB	F	LF	ØC	kg
STL0630730200	63	200	317	73	3/8"	40	M68x1,5	26	64,1	2,59
STL0630730250		250	367							3,01
STL0630730300		300	417							3,43
STL0630730400		400	517							4,27
STL0630730500		500	617							5,11
STL0630730600		600	717							5,95
STL0630730700		700	817							6,77
STL0630730800		800	917							7,63
STL0630731000		1000	1117							9,30
STL4500100	70	100	217	80	3/8"	40	M74x1,5	28	70,6	2,04
STL4500150		150	267							2,50
STL4500200		200	317							2,96
STL4500250		250	367							3,42
STL4500300		300	417							3,87
STL4500350		350	467							4,33
STL4500400		400	517							4,79
STL4500450		450	567							5,25
STL4500500		500	617							5,71
STL4500550		550	667							6,17
STL4500600		600	717							6,63
STL4500700		700	817							7,48
STL4500800		800	917							8,47
STL4501000		1000	1117							10,31
STL4501500		1500	1617							14,94
STL5600200	80	200	335	92	1/2"	50	M85x2	34	80,6	4,29
STL5600250		250	385							4,92
STL5600300		300	435							5,56
STL5600400		400	535							6,82
STL5600500		500	635							8,08
STL5600600		600	735							9,35
STL5600700		700	835							10,49
STL5600800		800	935							11,88
STL5601000		1000	1135							14,41
STL5601500		1500	1635							20,77
STL0901050300	90	300	440	105	1/2"	50	M95x2	34	90,6	7,79
STL0901050400		400	540							9,58
STL0901050500		500	640							11,37
STL0901050600		600	740							13,16
STL0901050700		700	840							14,95
STL0901050800		800	940							16,74
STL0901051000		1000	1140							20,33

STL

TUBE USINE AVEC BOSSAGE SOUDE
TURNED CYLINDER TUBE WITH WELDED THREADED PORT

Series M250



Code Code	ØAL	Course Stroke	L	ØD	E BSP	LB	F	LF	ØC	kg
STL6700200	100	200	360	115	1/2"	70	M105x2	52	100,6	7,17
STL6700250		250	410							8,16
STL6700300		300	460							9,14
STL6700400		400	560							11,12
STL6700500		500	660							13,09
STL6700600		600	760							15,07
STL6700700		700	860							16,81
STL6700800		800	960							19,02
STL6701000		1000	1160							22,97
STL6701500		1500	1660							32,89

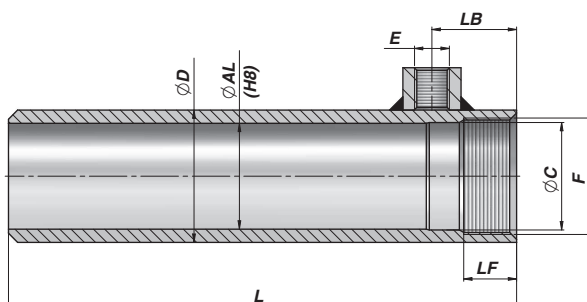
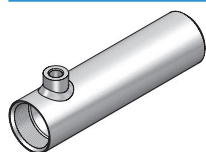
MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9

TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

STS

TUBE USINE AVEC BOSSAGE SOUDE
TURNED CYLINDER TUBE WITH WELDED THREADED PORT

Series M250



Code Code	ØAL	Course Stroke	L	ØD	E BSP	LB	F	LF	ØC	kg
STS5700200	80	200	335	95	1/2"	50	M85x2	34	80,6	5,44
STS5700250		250	385							6,25
STS5700300		300	435							7,05
STS5700400		400	535							8,66
STS5700500		500	635							10,27
STS5700600		600	735							11,87
STS5700800		800	935							15,09
STS5701000		1000	1135							18,31
STS6700200	100	200	360	115	1/2"	70	M105x2	52	100,6	7,17
STS6700250		250	410							8,16
STS6700300		300	460							9,14
STS6700400		400	560							11,12
STS6700500		500	660							13,09
STS6700600		600	760							15,07
STS6700800		800	960							19,02
STS6701000		1000	1160							22,97

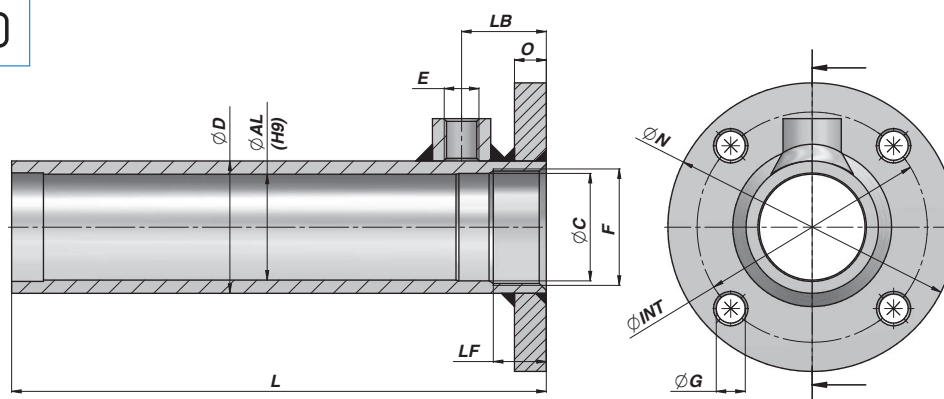
MATERIEL TUBE : ACIER St 52.3 DIN 2391 ISO H8

TUBE MATERIAL : STEEL St 52.3 DIN 2391 ISO H8

TUBE USINE AVEC BRIDE DE FIXATION ET BOSSAGE SOUDE
TURNED CYLINDER TUBE WITH WELDED THREADED PORT AND FLANGE

STFG

Series M250



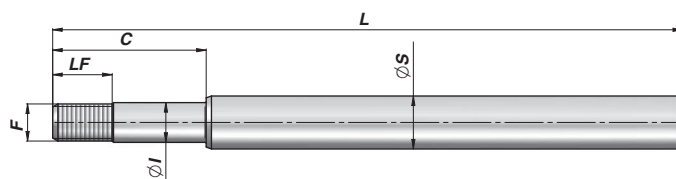
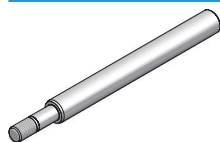
Code Code	ØAL	Course Stroke	L	ØD	E BSP	LB	F	LF	ØC	Bride - Flange				kg
										ØN	O	ØG	ØINT	
STFG040050100	40	100	202	50	1/4"	32	M44x1.5	20	40,6	109	12,5	ø 11 x 4	87	1,80
STFG040050200		200	302											2,30
STFG040050300		300	402											2,80
STFG040050400		400	502											3,40
STFG040050500		500	602											3,90
PREDISPOSITION POUR FOND INTERNE - MACHINED FOR INTERNAL END PLUG: CODE CFI0410012														
STFG050050100	50	100	212	60	3/8"	35	M54x1.5	23	50,6	128	14,5	ø 13 x 4	105	2,50
STFG050050200		200	312											3,20
STFG050050300		300	412											3,80
STFG050050400		400	512											4,50
STFG050050500		500	612											5,20
PREDISPOSITION POUR FOND INTERNE - MACHINED FOR INTERNAL END PLUG: CODE CFI0510012														
STFG060050100	60	100	230	70	3/8"	40	M64x1.5	28	60,6	142	16,5	ø 13 x 4	117	3,20
STFG060050200		200	330											4,00
STFG060050300		300	430											4,80
STFG060050400		400	530											5,60
STFG060050500		500	630											6,40
PREDISPOSITION POUR FOND INTERNE - MACHINED FOR INTERNAL END PLUG: CODE CFI0610015														
STFG070050100	70	100	230	80	3/8"	40	M74x1.5	28	70,6	162	16,5	ø 15 x 4	127	3,90
STFG070050200		200	330											4,80
STFG070050300		300	430											5,80
STFG070050400		400	530											6,70
STFG070050500		500	630											7,60
PREDISPOSITION POUR FOND INTERNE - MACHINED FOR INTERNAL END PLUG: CODE CFI0710015														
STFG080070100	80	100	250	95	1/2"	50	M85x2	34	80,6	181	18,5	ø 17 x 6	149	6,30
STFG080070200		200	350											7,90
STFG080070300		300	450											9,50
STFG080070400		400	550											11,20
STFG080070500		500	650											12,70
PREDISPOSITION POUR FOND INTERNE - MACHINED FOR INTERNAL END PLUG: CODE CFI0810017														
STFG100070100	100	100	278	115	1/2"	70	M105x2	52	100,6	194	24,5	ø 17 x 6	162	8,50
STFG100070200		200	378											10,50
STFG100070300		300	478											12,50
STFG100070400		400	578											14,50
STFG100070500		500	678											16,50
PREDISPOSITION POUR FOND INTERNE - MACHINED FOR INTERNAL END PLUG: CODE CFI1010020														

MATERIEL TUBE : ACIER St 52.3 DIN 2393 ISO H9
 TUBE MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

MATERIEL BRIDE : ACIER S355J0 (Fe510C)
 FLANGE MATERIAL : STEEL S355J0 (Fe510C)

SBLTIGE CHROMÉE USINÉE POUR VERIN SIMPLE ET DOUBLE EFFET
TURNED CHROMED ROD FOR SINGLE/DOUBLE ACTING CYLINDERS

Series M250

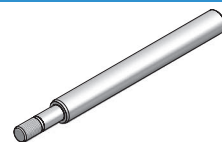
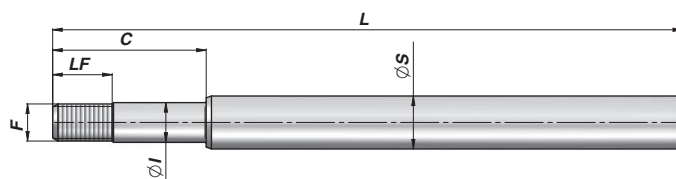


Code Code	ØS	Alésage Bore	Course Stroke	L	ØI	C	F	LF	kg
SBL0160250050	16	25	50	128	11	31	M10x1.5	24,5	0,18
SBL0160250100			100	178					0,25
SBL0160250150			150	228					0,33
SBL0160250200			200	278					0,40
SBL0200320050	20	32	50	147	15	48	M14x1.5	21	0,30
SBL0200320100			100	197					0,43
SBL0200320150			150	247					0,55
SBL0200320200			200	297					0,67
SBL0200320250			250	347					0,79
SBL0200320300			300	397					0,91
SBL0200320400			400	497					1,10
SBL0200320500			500	597					1,40
SBL2010100	20	40	100	220	15	58	M14x1.5	23	0,48
SBL2010150			150	270					0,60
SBL2010200			200	320					0,72
SBL2010250			250	370					0,84
SBL2010300			300	420					0,97
SBL2010350			350	470					1,09
SBL2010400			400	520					1,21
SBL2010450			450	570					1,33
SBL2010500			500	620					1,46
SBL2510100	25	40	100	220	15	58	M14x1.5	23	0,70
SBL2510150			150	270					0,89
SBL2510200			200	320					1,08
SBL2510250			250	370					1,27
SBL2510300			300	420					1,47
SBL2510350			350	470					1,66
SBL2510400			400	520					1,85
SBL2510450			450	570					2,04
SBL2510500			500	620					2,23
SBL2510550			550	670					2,42
SBL2510600			600	720					2,61
SBL2520100	25	50	100	230	20	65	M20x1.5	30	0,79
SBL2520150			150	280					0,98
SBL2520200			200	330					1,17
SBL2520250			250	380					1,37
SBL2520300			300	430					1,56
SBL2520350			350	480					1,75
SBL2520400			400	530					1,94
SBL2520450			450	580					2,13
SBL2520500			500	630					2,32
SBL2520550			550	680					2,51
SBL2520600			600	730					2,71
SBL2520700			700	830					3,10
SBL2520800			800	930					3,47
SBL2521000			1000	1130					4,24

TIGE CHROMÉE USINÉE POUR VERIN SIMPLE ET DOUBLE EFFET
TURNED CHROMED ROD FOR SINGLE/DOUBLE ACTING CYLINDERS

SBL

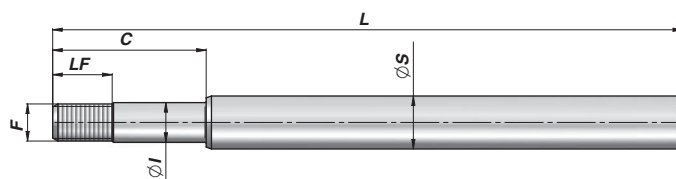
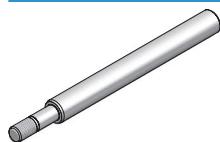
Series M250



Code Code	ØS	Alésage Bore	Course Stroke	L	ØI	C	F	LF	kg
SBL3020100	30	50	100	230	20	65	M20x1.5	30	0,90
SBL3020150			150	280					1,12
SBL3020200			200	330					1,34
SBL3020250			250	380					1,57
SBL3020300			300	430					1,79
SBL3020350			350	480					2,01
SBL3020400			400	530					2,24
SBL3020450			450	580					2,46
SBL3020500			500	630					2,68
SBL3020550			550	680					2,91
SBL3020600			600	730					3,13
SBL3020700			700	830					3,58
SBL3020800			800	930					4,02
SBL3021000			1000	1130					4,92
SBL3021500			1500	1630					7,17
SBL3030100	30	60/70	100	248	20	75	M20x1.5	30	1,14
SBL3030150			150	298					1,41
SBL3030200			200	348					1,69
SBL3030250			250	398					1,97
SBL3030300			300	448					2,24
SBL3030350			350	498					2,52
SBL3030400			400	548					2,79
SBL3030450			450	598					3,07
SBL3030500			500	648					3,34
SBL3030550			550	698					3,62
SBL3030600			600	748					3,89
SBL3030700			700	848					4,47
SBL3030800			800	948					5,00
SBL3031000			1000	1148					6,10
SBL3530100	35	60/70	100	248	20	75	M20x1.5	30	1,48
SBL3530150			150	298					1,86
SBL3530200			200	348					2,23
SBL3530250			250	398					2,61
SBL3530300			300	448					2,98
SBL3530350			350	498					3,36
SBL3530400			400	548					3,73
SBL3530450			450	598					4,11
SBL3530500			500	648					4,48
SBL3530550			550	698					4,86
SBL3530600			600	748					5,23
SBL3530700			700	848					6,02
SBL3530800			800	948					6,74
SBL3531000			1000	1148					8,24
SBL3531500			1500	1648					11,99
SBL4040100	40	60/70	100	248	27	75	M27x2	30	2,03
SBL4040150			150	298					2,52
SBL4040200			200	348					3,01
SBL4040250			250	398					3,50
SBL4040300			300	448					3,99
SBL4040350			350	498					4,48
SBL4040400			400	548					4,97
SBL4040450			450	598					5,46
SBL4040500			500	648					5,95
SBL4040550			550	698					6,44
SBL4040600			600	748					6,93
SBL4040700			700	848					7,95
SBL4040800			800	948					8,89
SBL4041000			1000	1148					10,85
SBL4041500			1500	1648					15,58

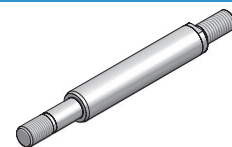
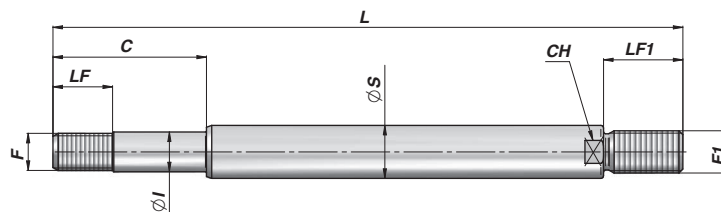
SBLTIGE CHROMÉE USINÉE POUR VERIN SIMPLE ET DOUBLE EFFET
TURNED CHROMED ROD FOR SINGLE/DOUBLE ACTING CYLINDERS

Series M250



Code Code	ØS	Alésage Bore	Course Stroke	L	ØI	C	F	LF	kg
SBL0400630200	40	63	200	348	24	75	M24x2	35	2,92
SBL0400630250			250	398					3,40
SBL0400630300			300	448					3,90
SBL0400630400			400	548					4,88
SBL0400630500			500	648					5,87
SBL0400630600			600	748					6,85
SBL0400630700			700	848					7,88
SBL0400630800			800	948					8,80
SBL0400631000			1000	1148					10,76
SBL4050200	40	80	200	368	27	83	M27x2	38	3,17
SBL4050250			250	418					3,66
SBL4050300			300	468					4,15
SBL4050400			400	568					5,13
SBL4050500			500	668					6,11
SBL4050600			600	768					7,09
SBL4050700			700	868					8,10
SBL4050800			800	968					9,05
SBL4051000			1000	1168					11,01
SBL5050200	50	80	200	368	27	83	M27x2	38	4,74
SBL5050250			250	418					5,50
SBL5050300			300	468					6,27
SBL5050400			400	568					7,80
SBL5050500			500	668					9,33
SBL5050600			600	768					10,86
SBL5050700			700	868					12,45
SBL5050800			800	968					13,93
SBL5051000			1000	1168					16,99
SBL5051500			1500	1668					24,64
SBL0500900300	50	90	300	471	33	88	M33x2	43	6,46
SBL0500900400			400	571					8,00
SBL0500900500			500	671					9,54
SBL0500900600			600	771					11,09
SBL0500900700			700	871					12,63
SBL0500900800			800	971					14,17
SBL0500901000			1000	1171					17,25
SBL5060200	50	100	200	395	33	88	M33x2	43	5,29
SBL5060250			250	445					6,06
SBL5060300			300	495					6,82
SBL5060400			400	595					8,35
SBL5060500			500	695					9,89
SBL5060600			600	795					11,42
SBL5060700			700	895					13,01
SBL5060800			800	995					14,48
SBL5061000			1000	1195					17,54
SBL6060300	60	100	300	495	33	88	M33x2	43	9,56
SBL6060400			400	595					11,77
SBL6060500			500	695					13,98
SBL6060600			600	795					16,18
SBL6060700			700	895					18,46
SBL6060800			800	995					20,59
SBL6061000			1000	1195					25,00
SBL6061500			1500	1695					36,00

MATERIEL : ACIER UNI C45 SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 – 1999/ISO
 MATERIAL : STEEL UNI C45 SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 – 1999/ISO

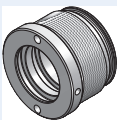
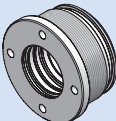
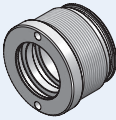
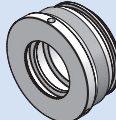
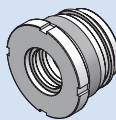
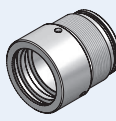
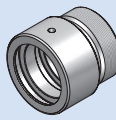
TIGE CHROMEE USINEE POUR VERIN SIMPLE ET DOUBLE EFFET
TURNED CHROMED ROD FOR SINGLE/DOUBLE ACTING CYLINDERS
SBFG**Series M250**

Code Code	ØS	Alésage Bore	Course Stroke	L	ØI	C	F	LF	F1	LF1	CH	kg
SBFG200400100	20	40	100	238	15	58	M14x1,5	23	M16x1.5	30	18	0,60
SBFG200400200			200	338								0,74
SBFG200400300			300	438								0,98
SBFG200400400			400	538								1,23
SBFG200400500			500	638								1,47
SBFG300500100	30	50	100	258	20	65	M20x1,5	30	M20x1.5	40	26	1,10
SBFG300500200			200	358								1,65
SBFG300500300			300	458								2,20
SBFG300500400			400	558								2,75
SBFG300500500			500	658								3,30
SBFG350600100	35	60	100	285	24	75	M24x2	35	M27x2	50	32	1,68
SBFG350600200			200	385								2,43
SBFG350600300			300	485								3,18
SBFG350600400			400	585								3,95
SBFG350600500			500	685								4,68
SBFG400700100	40	70	100	297	27	75	M27x2	30	M30x2	60	36	2,26
SBFG400700200			200	397								3,25
SBFG400700300			300	497								4,26
SBFG400700400			400	597								5,25
SBFG400700500			500	697								6,25
SBFG500800100	50	80	100	328	27	83	M27x2	38	M36x2	70	45	3,51
SBFG500800200			200	428								5,12
SBFG500800300			300	528								6,65
SBFG500800400			400	628								8,18
SBFG500800500			500	728								9,71
SBFG501000100	50	100	100	355	33	88	M33x2	43	M36x2	70	45	4,18
SBFG501000200			200	455								5,70
SBFG501000300			300	555								7,25
SBFG501000400			400	655								8,79
SBFG501000500			500	755								10,33

MATERIEL : ACIER UNI C45 SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<Ø20 120h) ISO 10289 - 1999/ISO 9227-NSS

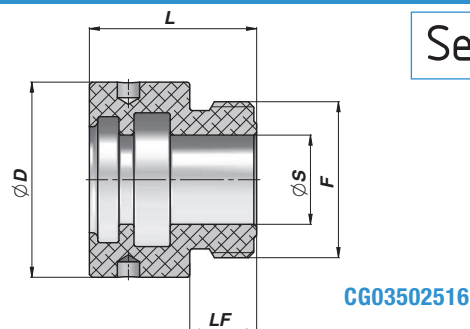
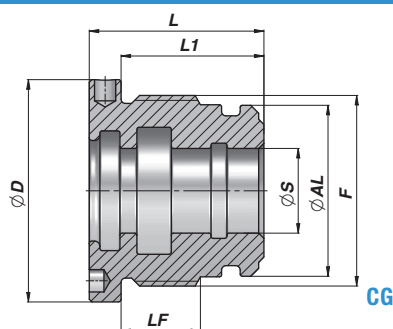
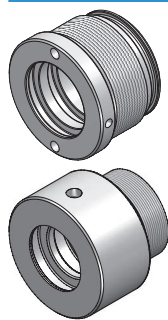
MATERIAL : STEEL UNI C45 SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<Ø20 120h) ISO 10289 - 1999/ISO 9227-NSS

TETE DE GUIDAGE HEAD BUSHES

	Description - Description	Series	Type	Page
	TETE DE GUIDAGE HEAD BUSH	M250	CG	52-53
	TETE DE GUIDAGE HEAD BUSH	M250	CG30	53
	TETE DE GUIDAGE HEAD BUSH	M250	CGMM	54
	TETE DE GUIDAGE HEAD BUSH	C200	CGLM	54
	TETE DE GUIDAGE HEAD BUSH	P300	CGA	55
	TETE DE GUIDAGE HEAD BUSH	P350	CGPM	56
	TETE DE GUIDAGE HEAD BUSH	M250	CGT	57
	TETE DE GUIDAGE HEAD BUSH	M250	CGHFRT	57
	POCHETTES DE JOINTS SEAL KITS		GKG	58-61

CG

Series M250



Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
*CG03502516	25	16	35	M28x1.5	12	30	-	0,04	Z00CG03502516	100	GKGC025016
*CG04003016	30	16	40	M34x1.5	15	33	27	0,05	Z50CG04003016	50	GKGC030016
*CG04203216	32	16	42	M36x1.5	15	33	27	0,06	Z50CG04203216	50	GKGC032016
CG04203220	32	20	"	"	"	"	"	0,12	Z50CG04203220	50	GKGC032020
CG04503520	35	20	44	M39x1.5	19	40	32	0,21	Z50CG04503520	50	GKGC035020
CG04503522	35	22	"	"	"	"	"	0,18	Z50CG04503522	50	GKGC035022
CG05004020	40	20	49	M44x1.5	19	40	32	0,30	Z50CG05004020	50	GKGC040020
CG05004022	40	22	"	"	"	"	"	0,27	Z50CG05004022	50	GKGC040022
CG05004025	40	25	"	"	"	"	"	0,24	Z50CG05004025	50	GKGC040025
CG05004028	40	28	"	"	"	"	"	0,20	Z50CG05004028	50	GKGC040028
CG05504522	45	22	54	M49x1.5	19	40	32	0,37	Z25CG05504522	25	GKGC045022
CG05504525	45	25	"	"	"	"	"	0,34	Z25CG05504525	25	GKGC045025
CG06005020	50	20	59	M54x1.5	22	43	35	0,55	Z25CG06005020	25	GKGC050020
CG06005025	50	25	"	"	"	"	"	0,48	Z25CG06005025	25	GKGC050025
CG06005028	50	28	"	"	"	"	"	0,45	Z25CG06005028	25	GKGC050028
CG06005030	50	30	"	"	"	"	"	0,41	Z25CG06005030	25	GKGC050030
CG06005032	50	32	"	"	"	"	"	0,38	Z25CG06005032	25	GKGC050032
CG06005135	50	35	"	"	"	"	"	0,34	Z25CG06005135	25	GKGC051035
**CG06005035	50	35	"	"	17	38	30	0,29	Z25CG06005035	25	GKGC050035
CG06505525	55	25	64	M60x1.5	21	43	35	0,63	Z25CG06505525	25	GKGC055025
CG06505530	55	30	"	"	"	"	"	0,56	Z25CG06505530	25	GKGC055030
CG06505535	55	35	"	"	"	"	"	0,47	Z25CG06505535	25	GKGC055035
CG07006025	60	25	69	M64x1.5	27	50	40	0,91	Z25CG07006025	25	GKGC060025
CG07006030	60	30	"	"	"	"	"	0,83	Z25CG07006030	25	GKGC060030
CG07006035	60	35	"	"	"	"	"	0,72	Z25CG07006035	25	GKGC060035
CG07006040	60	40	"	"	"	"	"	0,62	Z25CG07006040	25	GKGC060040
CG07006045	60	45	"	"	"	"	"	0,48	Z25CG07006045	25	GKGC060045
CG07306330	63	30	73	M68x1.5	25	50	40	0,96	Z20CG07306330	20	GKGC063030
CG07306332	63	32	"	"	"	"	"	0,92	Z20CG07306332	20	GKGC063032
CG07306335	63	35	"	"	"	"	"	0,86	Z20CG07306335	20	GKGC063035
CG07306336	63	36	"	"	"	"	"	0,85	Z20CG07306336	20	GKGC063036
CG07306340	63	40	"	"	"	"	"	0,76	Z20CG07306340	20	GKGC063040
CG07306345	63	45	"	"	"	"	"	0,61	Z20CG07306345	20	GKGC063045
CG07506530	65	30	74	M69x1.5	25	50	40	1,00	Z20CG07506530	20	GKGC065030
CG07506535	65	35	"	"	"	"	"	0,90	Z20CG07506535	20	GKGC065035
CG07506540	65	40	"	"	"	"	"	0,80	Z20CG07506540	20	GKGC065040
CG07506545	65	45	"	"	"	"	"	0,67	Z20CG07506545	20	GKGC065045
CG08007025	70	25	79	M74x1.5	27	50	40	1,29	Z20CG08007025	20	GKGC070025
CG08007030	70	30	"	"	"	"	"	1,21	Z20CG08007030	20	GKGC070030
CG08007035	70	35	"	"	"	"	"	1,11	Z20CG08007035	20	GKGC070035
CG08007040	70	40	"	"	"	"	"	0,98	Z20CG08007040	20	GKGC070040
CG08007045	70	45	"	"	"	"	"	0,86	Z20CG08007045	20	GKGC070045
CG08007050	70	50	"	"	"	"	"	0,72	Z20CG08007050	20	GKGC070050
CG09007530	75	30	89	M80x2	33	60	50	1,79	Z10CG09007530	10	GKGC075030
CG09007535	75	35	"	"	"	"	"	1,66	Z10CG09007535	10	GKGC075035
CG09007540	75	40	"	"	"	"	"	1,51	Z10CG09007540	10	GKGC075040
CG09007545	75	45	"	"	"	"	"	1,37	Z10CG09007545	10	GKGC075045
CG09508030	80	30	94	M85x2	33	60	50	2,06	Z10CG09508030	10	GKGC080030
CG09508035	80	35	"	"	"	"	"	1,93	Z10CG09508035	10	GKGC080035

** CG06005035 NE PEUT PAS ETRE MONTE AVEC "STL" STANDARD

** CG06005035 NOT SUITABLE FOR STANDARD "STL"

JOINTS : VOIR PAGES 58-59

SEALS : SEE PAGES 58-59

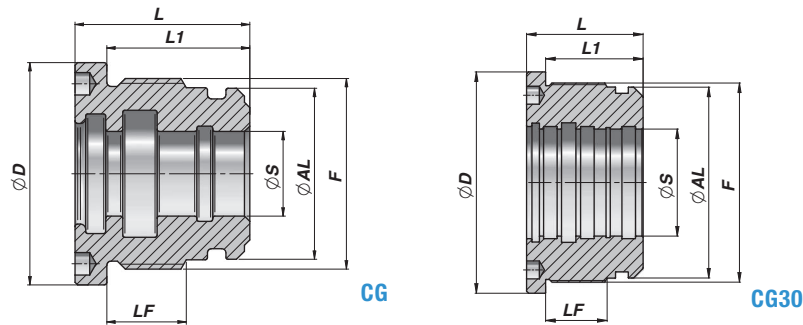
SUR DEMANDE : KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

TETE DE GUIDAGE
HEAD BUSH

CG/CG30

Series M250



Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CG09508040	80	40	94	M85x2	33	60	50	1,78	Z10CG09508040	10	GKGC080040
CG09508045	80	45	"	"	"	"	"	1,64	Z10CG09508045	10	GKGC080045
CG09508050	80	50	"	"	"	"	"	1,47	Z10CG09508050	10	GKGC080050
CG09508055	80	55	"	"	"	"	"	1,28	Z10CG09508055	10	GKGC080055
CG09508060	80	60	"	"	"	"	"	1,05	Z10CG09508060	10	GKGC080060
CG10008535	85	35	99	M90x2	33	60	50	2,20	Z10CG10008535	10	GKGC085035
CG10008540	85	40	"	"	"	"	"	2,05	Z10CG10008540	10	GKGC085040
CG10008545	85	45	"	"	"	"	"	1,90	Z10CG10008545	10	GKGC085045
CG10008550	85	50	"	"	"	"	"	1,73	Z10CG10008550	10	GKGC085050
CG10509040	90	40	104	M95x2	33	60	50	2,35	Z05CG10509040	5	GKGC090040
CG10509045	90	45	"	"	"	"	"	2,22	Z05CG10509045	5	GKGC090045
CG10509050	90	50	"	"	"	"	"	2,04	Z05CG10509050	5	GKGC090050
CG10509060	90	60	"	"	"	"	"	1,62	Z05CG10509060	5	GKGC090060
CG11510040	100	40	114	M105x2	51	82	70	4,21	Z05CG11510040	5	GKGC100040
CG11510045	100	45	"	"	51	82	70	4,02	Z05CG11510045	5	GKGC100045
CG11510050	100	50	"	"	"	"	"	3,79	Z05CG11510050	5	GKGC100050
CG11510055	100	55	"	"	51	82	70	3,54	Z05CG11510055	5	GKGC100055
CG11510060	100	60	"	"	"	"	"	3,23	Z05CG11510060	5	GKGC100060
CG11510063	100	63	"	"	51	82	70	3,04	Z05CG11510063	5	GKGC100063
CG11510070	100	70	"	"	51	82	70	2,55	Z05CG11510070	5	GKGC100070
CG12511045	110	45	124	M115x2	41	72	60	4,40	Z03CG12511045	3	GKGC110045
CG12511050	110	50	"	"	"	"	"	4,20	Z03CG12511050	3	GKGC110050
CG12511060	110	60	"	"	51	82	70	4,24	Z03CG12511060	3	GKGC110060
CG12511070	110	70	"	"	"	"	"	3,56	Z03CG12511070	3	GKGC110070
CG14012050	120	50	139	M125x2	49	82	70	5,99	Z03CG14012050	3	GKGC120050
CG14012060	120	60	"	"	"	"	"	5,43	Z03CG14012060	3	GKGC120060
CG14012070	120	70	"	"	"	"	"	4,70	Z03CG14012070	3	GKGC120070
CG14012080	120	80	"	"	"	"	"	4,03	Z03CG14012080	3	GKGC120080
CG14512560	125	60	144	M130x2	59	92	80	6,76	Z02CG14512560	2	GKGC125060
CG14512570	125	70	"	"	"	"	"	5,96	Z02CG14512570	2	GKGC125070
CG14512580	125	80	"	"	"	"	"	5,21	Z02CG14512580	2	GKGC125080
CG14512590	125	90	"	"	"	"	"	4,21	Z02CG14512590	2	GKGC125090
CG16014070	140	70	159	M145x2	59	92	80	8,10			GKGC140070
CG16014080	140	80	"	"	"	"	"	7,35			GKGC140080
CG17015070	150	70	169	M155x2	69	102	90	10,75			GKGC150070
CG17015080	150	80	"	"	"	"	"	9,91			GKGC150080
CG18016080	160	80	179	M165x2	69	102	90	11,76			GKGC160080
CG18016090	160	90	"	"	"	"	"	10,67			GKGC160090
CG30											
CG30180100	180	100	210	M188x2.5	58	110	92	14,88			GKGC3180100
CG30180120	180	120	"	"	"	"	"	11,97			GKGC3180120
CG30200100	200	100	218	M208x2.5	58	110	92	19,34			GKGC3200100
CG30200120	200	120	"	"	"	"	"	16,43			GKGC3200120
CG30250120	250	120	268	M258x2.5	80	135	117	37,94			GKGC3250120
CG30250150	250	150	"	"	"	"	"	31,31			GKGC3250150

MATERIEL : FONTE EN-GJL 250 (G25-UNI 5007/EN 1561)

- * = ALUMINIUM UNI 2011-11S

MATERIAL : HYDRAULIC CAST IRON EN-GJL 250 (G25-UNI 5007/EN 1561)

- * = ALUMINIUM UNI 2011-11S

JOINTS : VOIR PAGES 58-59

SEALS : SEE PAGES 58-59

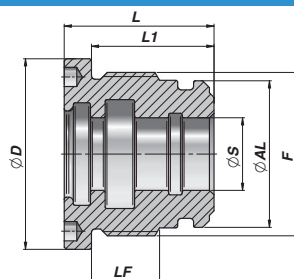
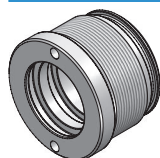
SUR DEMANDE: KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

CGMM

TETE DE GUIDAGE
HEAD BUSH

Series M250



Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CGMM114100040	100	40	114	M105x2	30	65	55	3,20	Z05CGMM114100040	5	GKGCMM100040
CGMM114100050	100	50	"	"	"	"	"	2,90	Z05CGMM114100050	5	GKGCMM100050
CGMM114100060	100	60	"	"	"	"	"	2,40	Z05CGMM114100060	5	GKGCMM100060
CGMM114100063	100	63	"	"	"	"	"	2,30	Z05CGMM114100063	5	GKGCMM100063
CGMM114100070	100	70	"	"	"	"	"	1,90	Z05CGMM114100070	5	GKGCMM100070
CGMM124110045	110	45	124	M115x2	36	70	60	4,19	Z03CGMM124110045	3	GKGCMM110045
CGMM124110050	110	50	"	"	"	"	"	3,99	Z03CGMM124110050	3	GKGCMM110050
CGMM124110060	110	60	"	"	"	"	"	3,51	Z03CGMM124110060	3	GKGCMM110060
CGMM124110070	110	70	"	"	"	"	"	2,91	Z03CGMM124110070	3	GKGCMM110070
CGMM139120050	120	50	139	M125x2	36	70	60	5,01	Z03CGMM139120050	3	GKGCMM120050
CGMM139120060	120	60	"	"	"	"	"	4,52	Z03CGMM139120060	3	GKGCMM120060
CGMM139120070	120	70	"	"	"	"	"	3,87	Z03CGMM139120070	3	GKGCMM120070
CGMM139120080	120	80	"	"	"	"	"	3,31	Z03CGMM139120080	3	GKGCMM120080
CGMM144125060	125	60	144	M130x2	41	75	65	5,40	Z02CGMM144125060	2	GKGCMM125060
CGMM144125070	125	70	"	"	"	"	"	4,72	Z02CGMM144125070	2	GKGCMM125070
CGMM144125080	125	80	"	"	"	"	"	4,11	Z02CGMM144125080	2	GKGCMM125080
CGMM144125090	125	90	"	"	"	"	"	3,27	Z02CGMM144125090	2	GKGCMM125090
CGMM159140070	140	70	159	M145x2	41	75	65	6,46			GKGCMM140070
CGMM159140080	140	80	"	"	"	"	"	5,85			GKGCMM140080
CGMM169150070	150	70	169	M155x2	46	82	70	8,55			GKGCMM150070
CGMM169150080	150	80	"	"	"	"	"	7,86			GKGCMM150080
CGMM179160080	160	80	179	M165x2	49	85	73	9,72			GKGCMM160080
CGMM179160090	160	90	"	"	"	"	"	8,79			GKGCMM160090

NE PEUT PAS ETRE MONTE AVEC "STL" STANDARD
NOT SUITABLE FOR STANDARD "STL"

MATERIEL : FONTE EN-GJL 250 (G25-UNI 5007/EN 1561)

MATERIAL : HYDRAULIC CAST IRON EN-GJL 250 (G25-UNI 5007/EN 1561)

JOINTS : VOIR PAGE 59

SEALS : SEE PAGE 59

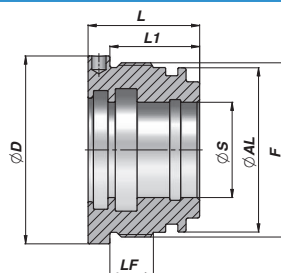
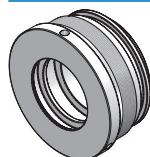
SUR DEMANDE : KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

CGLM

TETE DE GUIDAGE
HEAD BUSH

Series C200



Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CGLM049040020	40	20	49	M44x1.5	11	33	26	0,22	Z50CGLM040020	50	GKGCGLM040020
CGLM049040025	40	25	"	"	"	"	"	0,17	Z50CGLM040025	50	GKGCGLM040025
CGLM059050025	50	25	59	M54x1.5	13	36	28	0,38	Z25CGLM050025	25	GKGCGLM050025
CGLM059050030	50	30	"	"	"	"	"	0,31	Z25CGLM050030	25	GKGCGLM050030
CGLM069060030	60	30	69	M64x1.5	16	41	33	0,62	Z25CGLM060030	25	GKGCGLM060030
CGLM069060035	60	35	"	"	"	"	"	0,53	Z25CGLM060035	25	GKGCGLM060035
CGLM079070035	70	35	79	M74x1.5	16	41	33	0,84	Z20CGLM070035	20	GKGCGLM070035
CGLM079070040	70	40	"	"	"	"	"	0,73	Z20CGLM070040	20	GKGCGLM070040
CGLM092080040	80	40	92	M85x2	18	46	36	1,24	Z10CGLM080040	10	GKGCGLM080040
CGLM092080050	80	50	"	"	"	"	"	1,00	Z10CGLM080050	10	GKGCGLM080050
CGLM114100050	100	50	114	M105x2	22	55	45	2,32	Z10CGLM100050	10	GKGCGLM100050
CGLM114100060	100	60	"	"	"	"	"	1,93	Z10CGLM100060	10	GKGCGLM100060

MATERIEL : FONTE EN-GJL 250 (G25-UNI 5007/EN 1561)

MATERIAL : HYDRAULIC CAST IRON EN-GJL 250 (G25-UNI 5007/EN 1561)

JOINTS : VOIR PAGE 60

SEALS : SEE PAGE 60

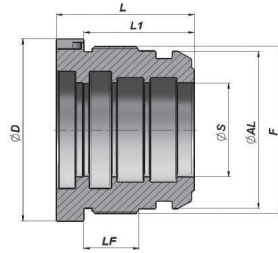
SUR DEMANDE : KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

TETE DE GUIDAGE
HEAD BUSH

CGA

Series P300



Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CGA040030020	30	20	40	M34x1.5	16	36	30	0,11		50	GKGC GA030020
CGA042032020	32	20	42	M36x1.5	16	36	30	0,13		50	GKGC GA032020
CGA045035020	35	20	45	M39x1.5	17	40	32	0,20		50	GKGC GA035020
CGA050040020	40	20	50	M44x1.5	17	40	32	0,30		50	GKGC GA040020
CGA050040025	40	25	50	M44x1.5	17	40	32	0,23		50	GKGC GA040025
CGA060050025	50	25	60	M54x1.5	19	45	37	0,51		25	GKGC GA050025
CGA060050030	50	30	60	M54x1.5	19	45	37	0,40		25	GKGC GA050030
CGA060050035	50	35	60	M54x1.5	19	45	37	0,30		25	GKGC GA050035
CGA070060025	60	25	70	M64x1.5	20	50	40	0,93		25	GKGC GA060025
CGA070060030	60	30	70	M64x1.5	20	50	40	0,82		25	GKGC GA060030
CGA070060035	60	35	70	M64x1.5	20	50	40	0,70		25	GKGC GA060035
CGA070060040	60	40	70	M64x1.5	20	50	40	0,57		25	GKGC GA060040
CGA073063030	63	30	73	M68x1.5	20	50	40	0,96		20	GKGC GA063030
CGA073063035	63	35	73	M68x1.5	20	50	40	0,84		20	GKGC GA063035
CGA073063040	63	40	73	M68x1.5	20	50	40	0,71		20	GKGC GA063040
CGA073063045	63	45	73	M68x1.5	20	50	40	0,71		20	GKGC GA063045
CGA080070035	70	35	80	M74x1.5	20	50	40	1,11		20	GKGC GA070035
CGA080070040	70	40	80	M74x1.5	20	50	40	0,98		20	GKGC GA070040
CGA080070050	70	50	80	M74x1.5	20	50	40	0,67		20	GKGC GA070050
CGA095080040	80	40	95	M85x2	25	60	50	1,80		10	GKGC GA080040
CGA095080050	80	50	95	M85x2	25	60	50	1,40		10	GKGC GA080050
CGA095080055	80	55	95	M85x2	25	60	50	1,25		10	GKGC GA080055
CGA105090040	90	40	105	M95x2	28	65	55	2,63		5	GKGC GA090040
CGA105090050	90	50	105	M95x2	28	65	55	2,16		5	GKGC GA090050
CGA115100050	100	50	115	M105x2	32	70	60	3,20		5	GKGC GA100050
CGA115100060	100	60	115	M105x2	32	70	60	2,68		5	GKGC GA100060
CGA115100063	100	63	115	M105x2	32	70	60	2,47		5	GKGC GA100070
CGA115100070	100	70	115	M105x2	32	70	60	2,04		5	GKGC GA100070

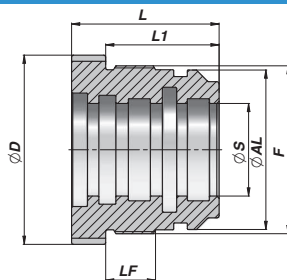
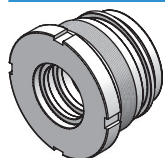
MATERIEL : ACIER S355J2
MATERIAL : STEEL S355J2

JOINTS : VOIR PAGE 61
SEALS : SEE PAGE 61

CGPM

TETE DE GUIDAGE
HEAD BUSH

Series P350



Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CGPM065050025	50	25	64	M54x1.5	22	55	45	0,66	Z25CGPM050025	25	GKGCgpm050025
CGPM065050030	50	30	"	"	"	"	"	0,54	Z25CGPM050030	25	GKGCgpm050030
CGPM065050035	50	35	"	"	"	"	"	0,41	Z25CGPM050035	25	GKGCgpm050035
CGPM075060030	60	30	74	M64x1.5	22	60	48	1,00	Z20CGPM060030	20	GKGCgpm060030
CGPM075060035	60	35	"	"	"	"	"	0,86	Z20CGPM060035	20	GKGCgpm060035
CGPM075060040	60	40	"	"	"	"	"	0,71	Z20CGPM060040	20	GKGCgpm060040
CGPM080063035	63	35	78	M68x1.5	22	60	48	1,04	Z10CGPM063035	10	GKGCgpm063035
CGPM080063040	63	40	"	"	"	"	"	0,89	Z10CGPM063040	10	GKGCgpm063040
CGPM085070035	70	35	84	M74x1.5	22	65	50	1,48	Z05CGPM070035	5	GKGCgpm070035
CGPM085070040	70	40	"	"	"	"	"	1,30	Z05CGPM070040	5	GKGCgpm070040
CGPM100080040	80	40	94	M85x2	25	75	60	2,18	Z05CGPM080040	5	GKGCgpm080040
CGPM100080045	80	45	"	"	"	"	"	1,94	Z05CGPM080045	5	GKGCgpm080045
CGPM100080050	80	50	"	"	"	"	"	1,69	Z05CGPM080050	5	GKGCgpm080050
CGPM110090045	90	45	109	M95x2	25	75	60	2,84	Z05CGPM090045	5	GKGCgpm090045
CGPM110090050	90	50	"	"	"	"	"	2,60	Z05CGPM090050	5	GKGCgpm090050
CGPM110090060	90	60	"	"	"	"	"	2,00	Z05CGPM090060	5	GKGCgpm090060
CGPM120100045	100	45	119	M105x2	25	75	60	3,80	Z05CGPM100045	5	GKGCgpm100045
CGPM120100050	100	50	"	"	"	"	"	3,50	Z05CGPM100050	5	GKGCgpm100050
CGPM120100060	100	60	"	"	"	"	"	2,95	Z05CGPM100060	5	GKGCgpm100060
CGPM130110050	110	50	129	M115x2	30	85	70	5,07	Z03CGPM110050	3	GKGCgpm110050
CGPM130110060	110	60	"	"	"	"	"	4,45	Z03CGPM110060	3	GKGCgpm110060
CGPM140120060	120	60	139	M125x2	30	85	70	5,68	Z02CGPM120060	2	GKGCgpm120060
CGPM140120070	120	70	"	"	"	"	"	4,95	Z02CGPM120070	2	GKGCgpm120070
CGPM140120080	120	80	"	"	"	"	"	3,96	Z02CGPM120080	2	GKGCgpm120080
CGPM145125070	125	70	144	M130x2	39	90	75	5,99	Z02CGPM125070	2	GKGCgpm125070
CGPM145125080	125	80	"	"	"	"	"	4,95	Z02CGPM125080	2	GKGCgpm125080
CGPM160140080	140	80	159	M145x2	40	90	75	7,22			GKGCgpm140080
CGPM160140090	140	90	"	"	"	"	"	6,21			GKGCgpm140090
CGPM160140100	140	100	"	"	"	"	"	5,08			GKGCgpm140100
CGPM170150080	150	80	169	M155x2	46	100	85	9,85			GKGCgpm150080
CGPM170150090	150	90	"	"	"	"	"	8,73			GKGCgpm150090
CGPM170150100	150	100	"	"	"	"	"	7,49			GKGCgpm150100
CGPM180160100	160	100	179	M165x2	46	100	85	9,43			GKGCgpm160100
CGPM180160120	160	120	"	"	"	"	"	6,43			GKGCgpm160120
CGPM215180100	180	100	215	M188x2.5	60	125	107	18,06			GKGCgpm180100
CGPM215180120	180	120	"	"	"	"	"	14,35			GKGCgpm180120
CGPM225200100	200	100	225	M208x2.5	60	125	107	23,63			GKGCgpm200100
CGPM225200120	200	120	"	"	"	"	"	19,92			GKGCgpm200120
CGPM225200140	200	140	"	"	"	"	"	16,03			GKGCgpm200140
CGPM245220120	220	120	245	M228x2.5	65	130	112	27,82			GKGCgpm220120
CGPM245220140	220	140	"	"	"	"	"	23,78			GKGCgpm220140
CGPM275250150	250	150	275	M258x2.5	80	150	130	37,42			GKGCgpm250150
CGPM275250180	250	180	"	"	"	"	"	27,73			GKGCgpm250180
CGPM335300150	300	150	335	M308x3	95	180	155	77,05			GKGCgpm300150
CGPM335300180	300	180	"	"	"	"	"	65,48			GKGCgpm300180

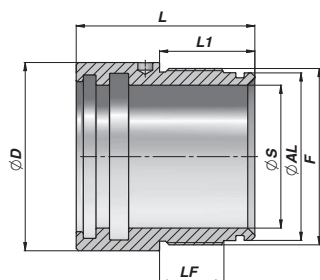
MATERIEL : ACIER UNI C 40
MATERIAL : STEEL UNI C 40

JOINTS : VOIR PAGE 60
SEALS : SEE PAGE 60

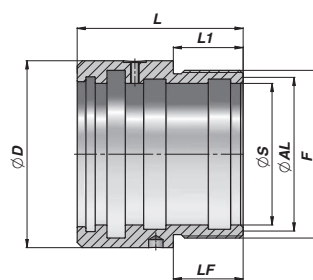
TETE DE GUIDAGE
HEAD BUSH

CGT

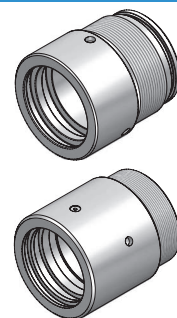
Series M250



TYPE 1



TYPE 2



Code Code	TYPE	ØS	ØAL	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CGT0200300	1	20	30	39.0	M34x1.5	15	57	27	0,25	Z25CGT0200300	25	GKGT020030
CGT0250350	1	25	35	44.0	M39x1.5	19	65	32	0,34	Z25CGT0250350	25	GKGT025035
CGT0300400	1	30	40	49.0	M44x1.5	19	65	32	0,39	Z25CGT0300400	25	GKGT030040
CGT0350450	1	35	45	54.0	M49x1.5	19	65	32	0,44	Z12CGT0350450	12	GKGT035045
CGT0400500	1	40	50	59.0	M54x1.5	22	70	35	0,53	Z12CGT0400500	12	GKGT040050
CGT0450550	1	45	55	64.0	M60x1.5	22	70	35	0,59	Z12CGT0450550	12	GKGT045055
CGT0500600	1	50	60	69.0	M64x1.5	22	75	40	0,67	Z12CGT0500600	12	GKGT050060
CGT0600700	1	60	70	79.0	M74x1.5	27	75	40	0,78	Z10CGT0600700	10	GKGT060070
CGT0700900	2	70	85	100.0	M90x2	30	90	30	1,99	Z05CGT0700900	5	GKGT070000
CGT0800960	2	80	90	107.0	M96x2	40	95	40	1,90	Z05CGT0800960	5	GKGT080000
CGT1001240	2	100	120	138.5	M124x2	42	157	42	7,12	Z02CGT1001240	2	GKGT100000

MATERIEL TYPE 1 : FONTE EN-GJL 250 (G25-UNI 5007/EN 1561)
 TYPE 1 MATERIAL : HYDRAULIC CAST IRON EN-GJL 250 (G25-UNI 5007/EN 1561)

MATERIEL TYPE 2 : ACIER St 52.3 / UNI C40
 TYPE 2 MATERIAL : STEEL St 52.3 / UNI C40

JOINTS : VOIR PAGE 61

SEALS : SEE PAGE 61

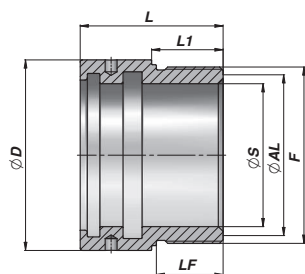
SUR DEMANDE : KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

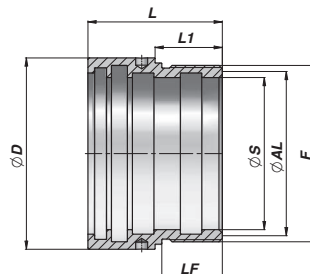
TETE DE GUIDAGE
HEAD BUSH

CGHFRT

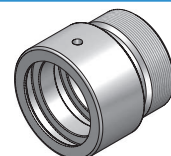
Series M250



TYPE 1



TYPE 2



Code Code	TYPE	ØS	ØAL	ØD	F	LF	L	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CGHFRT0020	1	20	30	40	M34x1.5	18	42	20	0,22	Z50CGHFRT0020	50	GKGFRT020
CGHFRT0025	1	25	30	40	M34x1.5	18	42	20	0,15	Z50CGHFRT0025	50	GKGFRT025
CGHFRT0030	1	30	40	50	M44x1.5	19	46	21	0,33	Z50CGHFRT0030	50	GKGFRT030
CGHFRT0035	1	35	40	50	M44x1.5	19	46	21	0,23	Z50CGHFRT0035	50	GKGFRT035
CGHFRT0040	1	40	50	60	M54x1.5	28	59	30	0,53	Z25CGHFRT0040	25	GKGFRT040
CGHFRT0045	1	45	50	60	M54x1.5	28	59	30	0,37	Z25CGHFRT0045	25	GKGFRT045
CGHFRT0050	1	50	60	70	M64x1.5	28	60	30	0,63	Z25CGHFRT0050	25	GKGFRT050
CGHFRT0060	1	60	70	80	M74x1.5	28	60	30	0,75	Z20CGHFRT0060	20	GKGFRT060
CGHFRT0070	2	70	80	95	M85x2	32	70	35	1,05	Z05CGHFRT0070	5	GKGFRT070
CGHFRT0080	2	80	90	105	M95x2	36	80	40	1,38	Z05CGHFRT0080	5	GKGFRT080
CGHFRT0090	2	90	100	115	M105x2	36	80	40	1,41	Z05CGHFRT0090	5	GKGFRT090
CGHFRT0100	2	100	110	125	M115x2	45	100	50	2,02	Z03CGHFRT0100	3	GKGFRT100

MATERIEL TYPE 1 : ACIER 9SMn28 AVEC TRAITEMENT "NI-TEMPER"
 TYPE 1 MATERIAL : STEEL 9SMn28 WITH "NI-TEMPER" TREATMENT

MATERIEL TYPE 2 : ACIER St 52.3 / UNI C40
 TYPE 2 MATERIAL : STEEL St 52.3 / UNI C40

JOINTS : VOIR PAGE 61

SEALS : SEE PAGE 61

SUR DEMANDE : KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

GKCG**Series M250****KIT JOINTS POUR TETE DE GUIDAGE "CG"**
SEAL KITS FOR "CG" HEAD BUSH

Code Code	Alésage/Tige Bore/Rod	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty
					GDS
GKCG025016	25 / 16	814	062087	TTI 16-24/L	-
GKCG030016	30 / 16	025	062087	TTI 16-24/L	120
GKCG032016	32 / 16	120	062087	TTI 16-24/L	121
GKCG032020	32 / 20	120	078110	TTI 20-28/L	121
GKCG035020	35 / 20	122	078110	TTI 20-28/L	216
GKCG035022	35 / 22	122	086118	TTS 545	216
GKCG040020	40 / 20	126	078110	TTI 20-28/L	219
GKCG040022	40 / 22	126	086118	TTS 545	219
GKCG040025	40 / 25	126	098129	TTI 25-33/L	219
GKCG040028	40 / 28	126	110141	TTI 28-36	219
GKCG045022	45 / 22	130	086118	TTS 545	222
GKCG045025	45 / 25	130	098129	TTI 25-33/L	222
GKCG050020	50 / 20	132	078110	TTI 20-28/L	826
GKCG050025	50 / 25	132	098129	TTI 25-35/L	826
GKCG050028	50 / 28	132	110141	TTI 28-36	826
GKCG050030	50 / 30	132	118149	TTI 30-40/1L	826
GKCG050032	50 / 32	132	125157	TTI 32-42	826
GKCG051035	50 / 35	132	137169	TTS 596	826
GKCG050035	50 / 35	132	137169	TTS 596	132
GKCG055025	55 / 25	135	098128	TTI 25-35/L	830
GKCG055030	55 / 30	135	118149	TTI 30-40/1L	830
GKCG055035	55 / 35	135	137169	TTI 35-45/L	830
GKCG060025	60 / 25	138	098129	TTI 25-35/L	832
GKCG060030	60 / 30	138	118149	TTI 30-40/1L	832
GKCG060035	60 / 35	138	137169	TTI 35-45/L	832
GKCG060040	60 / 40	138	157188	TTI 40-48/L	832
GKCG060045	60 / 45	138	177208	TTI 45-55/2L	832
GKCG063030	63 / 30	140	118149	TTI 30-40/1L	835
GKCG063032	63 / 32	140	125157	TTI 32-42	835
GKCG063035	63 / 35	140	137169	TTI 35-45/L	835
GKCG063036	63 / 36	140	141173	TTI 36-44/L	835
GKCG063040	63 / 40	140	157188	TTI 40-48/L	835
GKCG063045	63 / 45	140	177208	TTI 45-55/2L	835
GKCG065030	65 / 30	141	118149	TTI 30-40/1L	836
GKCG065035	65 / 35	141	137169	TTI 35-45/L	836
GKCG065040	65 / 40	141	157188	TTI 40-48/L	836
GKCG065045	65 / 45	141	177208	TTS 634	836
GKCG070025	70 / 25	145	098129	TTI 25-35/L	839
GKCG070030	70 / 30	145	118149	TTI 30-40/1L	839
GKCG070035	70 / 35	145	137169	TTI 35-45/L	839
GKCG070040	70 / 40	145	157188	TTI 40-50/3L	839
GKCG070045	70 / 45	145	177208	TTI 45-55/2L	839
GKCG070050	70 / 50	145	196228	TTI 50-60/L	839
GKCG075030	75 / 30	146	118149	TTI 30-40/1L	842
GKCG075035	75 / 35	146	137169	TTI 35-45/L	842
GKCG075040	75 / 40	146	157188	TTI 40-50/3L	842
GKCG075045	75 / 45	146	177208	TTI 45-55/2L	842
GKCG080030	80 / 30	149	118149	TTI 30-40/1L	GDS 845
GKCG080035	80 / 35	149	137169	TTI 35-45/L	GDS 845
GKCG080040	80 / 40	149	157188	TTI 40-50/3L	GDS 845
GKCG080045	80 / 45	149	177208	TTI 45-55/2L	GDS 845
GKCG080050	80 / 50	149	196228	TTI 50-60/L	GDS 845
GKCG080055	80 / 55	149	216248	TTS 668	GDS 845
GKCG080060	80 / 60	149	236267	TSE 283236	GDS 845
GKCG085035	85 / 35	151	137169	TTI 35-45/L	619
GKCG085040	85 / 40	151	157188	TTI 40-50/3L	619
GKCG085045	85 / 45	151	177208	TTI 45-55/2L	619
GKCG085050	85 / 50	151	196228	TTI 50-60/L	619
GKCG090040	90 / 40	152	157188	TTI 40-50/3L	GDS 620
GKCG090045	90 / 45	152	177208	TTI 45-55/2L	GDS 620
GKCG090050	90 / 50	152	196228	TTI 50-60/L	GDS 620
GKCG090060	90 / 60	152	236267	TSE 283236	GDS 620

TETE DE GUIDAGE - HEAD BUSHES

KIT JOINTS POUR TETE DE GUIDAGE "CG" SEAL KITS FOR "CG" HEAD BUSH

Series M250

GKGC

Code Code	Alésage/Tige Bore/Rod	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty
					GDS
GKGC100040	100 / 40	153	157188	TTI 40-50/3L	GDS 621
GKGC100045	100 / 45	153	177208	TTI 45-55/2L	GDS 621
GKGC100050	100 / 50	153	196228	TTI 50-60/L	GDS 621
GKGC100055	100 / 55	153	216248	TTS 668	GDS 621
GKGC100060	100 / 60	153	236267	TSE 283236	GDS 621
GKGC100063	100 / 63	153	248279	TTI 63-75/L	GDS 621
GKGC100070	100 / 70	153	275307	TSE 334275/1	GDS 621
GKGC110045	110 / 45	154	177208	TTI 45-55/2L	GDS 622
GKGC110050	110 / 50	154	196228	TTI 50-60/L	GDS 622
GKGC110060	110 / 60	154	236267	TSE 283236	GDS 622
GKGC110070	110 / 70	154	275307	TSE 334275/1	GDS 622
GKGC120050	120 / 50	156	196228	TTI 50-60/L	GDS 623
GKGC120060	120 / 60	156	236267	TSE 283236	GDS 623
GKGC120070	120 / 70	156	275322	TSE 334275/1	GDS 623
GKGC120080	120 / 80	156	314346	TSE 377314/AI	GDS 623
GKGC125060	125 / 60	157	236267	TSE 283236	GDS 349
GKGC125070	125 / 70	157	275322	TSE 334275/1	GDS 349
GKGC125080	125 / 80	157	314346	TSE 377314/AI	GDS 349
GKGC125090	125 / 90	157	354401	TSE 413354/1/AI	GDS 349
GKGC140070	140 / 70	159	275322	TSE 334275/1	GDS 864
GKGC140080	140 / 80	159	314346	TSE 377314/AI	GDS 864
GKGC150070	150 / 70	160	275322	TSE 334275/1	GDS 867
GKGC150080	150 / 80	160	314346	TSE 377314/AI	GDS 867
GKGC160080	160 / 80	161	314346	TSE 377314/AI	GDS 870
GKGC160090	160 / 90	161	354401	TSE 413354/1/AI	GDS 870

KIT JOINTS POUR TETE DE GUIDAGE "CG" SEAL KITS FOR "CG" HEAD BUSH

Series M250

GKGC

Code Code	Alésage/Tige Bore/Rod	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring + GKS	AGI x3
					Dowty	
GKGC3180100	180 / 100	262	393440	TSE 444393/AI	628	100
GKGC3180120	180 / 120	262	472519	TSE 531472/AI	628	120
GKGC3200100	200 / 100	265	393440	TSE 444393/AI	882	100
GKGC3200120	200 / 120	265	472519	TSE 531472/AI	882	120
GKGC3250120	250 / 120	272	472519	TSE 531472/AI	678	120
GKGC3250150	250 / 150	272	590637	TSE 669590/AI	678	150

KIT JOINTS POUR TETE DE GUIDAGE "CGMM" SEAL KITS FOR "CGMM" HEAD BUSH

Series M250

GKGCMM

Code Code	Alésage/Tige Bore/Rod	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty
					GDS
GKGCMM100040	100 / 40	153	157188	TTI 40-50/3L	GDS 621
GKGCMM100050	100 / 50	153	196228	TTI 50-60/L	GDS 621
GKGCMM100060	100 / 60	153	236267	TSE 283236	GDS 621
GKGCMM100063	100 / 63	153	248279	TTI 63-75/L	GDS 621
GKGCMM100070	100 / 70	153	275307	TSE 334275/1	GDS 621
GKGCMM110045	110 / 45	154	177208	TTI 45-55/2L	GDS 622
GKGCMM110050	110 / 50	154	196228	TTI 50-60/L	GDS 622
GKGCMM110060	110 / 60	154	236267	TSE 283236	GDS 622
GKGCMM110070	110 / 70	154	275307	TSE 334275/1	GDS 622
GKGCMM120050	120 / 50	156	196228	TTI 50-60/L	GDS 623
GKGCMM120060	120 / 60	156	236267	TSE 283236	GDS 623
GKGCMM120070	120 / 70	156	275322	TSE 334275/1	GDS 623
GKGCMM120080	120 / 80	156	314346	TSE 377314/AI	GDS 623
GKGCMM125060	125 / 60	157	236267	TSE 283236	GDS 349
GKGCMM125070	125 / 70	157	275322	TSE 334275/1	GDS 349
GKGCMM125080	125 / 80	157	314346	TSE 377314/AI	GDS 349
GKGCMM125090	125 / 90	157	354401	TSE 413354/1/AI	GDS 349
GKGCMM140070	140 / 70	159	275322	TSE 334275/1	GDS 864
GKGCMM140080	140 / 80	159	314346	TSE 377314/AI	GDS 864
GKGCMM150070	150 / 70	160	275322	TSE 334275/1	GDS 867
GKGCMM150080	150 / 80	160	314346	TSE 377314/AI	GDS 867
GKGCMM160080	160 / 80	161	314346	TSE 377314/AI	GDS 870
GKGCMM160090	160 / 90	161	354401	TSE 413354/1/AI	GDS 870

GKGCGLM**Series C200****KIT JOINTS POUR TETE DE GUIDAGE "CGLM"**
SEAL KITS FOR "CGLM" HEAD BUSH

Code Code	Alésage/Tige Bore/Rod	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty
GKGCGLM040020	40 / 20	129	078110	TTI 20-28/L	219
GKGCGLM040025	40 / 25	129	098129	TTI 25-33/L	219
GKGCGLM050025	50 / 25	135	098129	TTI 25-33/L	826
GKGCGLM050030	50 / 30	135	118149	TTI 30-40/1L	826
GKGCGLM060030	60 / 30	142	118149	TTI 30-40/1L	832
GKGCGLM060035	60 / 35	142	137169	TTI 35-45/L	832
GKGCGLM070035	70 / 35	148	137169	TTI 35-45/L	839
GKGCGLM070040	70 / 40	148	157188	TTI 40-50/3L	839
GKGCGLM080040	80 / 40	151	157188	TTI 40-50/3L	845
GKGCGLM080050	80 / 50	151	196228	TTI 50-60/L	845
GKGCGLM100050	100 / 50	241	196228	TTI 50-60/L	621
GKGCGLM100060	100 / 60	241	236267	TSE 283236	621

GKGCGPM**Series P350****KIT JOINTS POUR TETE DE GUIDAGE "CGPM"**
SEAL KITS FOR "CGPM" HEAD BUSH

Code Code	Alésage/Tige Bore/Rod	GAF		GHM/C	O-Ring Dowty	GIR	GKS	O-Ring Dowty	TTX
GKGCGPM050025	50 / 25	n°3	25x 30x 5.6	25x 35x 7/10	826	-	826	135	1301 -BR
GKGCGPM050030	50 / 30	n°3	30x 35x 5.6	30x 40x 7/10	826	-	826	135	1303 -BR
GKGCGPM050035	50 / 35	n°3	35x 40x 5.6	35x 45x 7/10	826	-	826	135	1305 -BR
GKGCGPM060030	60 / 30	n°2	30x 35x 5.6	n°1 30x 35x 9.7	832	-	832	142	1303 -BR
GKGCGPM060035	60 / 35	n°2	35x 40x 5.6	n°1 35x 40x 9.7	832	-	832	142	1305 -BR
GKGCGPM060040	60 / 40	n°2	40x 45x 5.6	n°1 40x 45x 9.7	832	-	832	142	1308 -BR
GKGCGPM063035	63 / 35	n°2	35x 40x 5.6	n°1 35x 40x 9.7	835	-	835	145	1305 -BR
GKGCGPM063040	63 / 40	n°2	40x 45x 5.6	n°1 40x 45x 9.7	835	-	835	145	1308 -BR
GKGCGPM070035	70 / 35	n°2	35x 40x 9.7	35x 45x 7/10	839	0350	839	148	1305 -BR
GKGCGPM070040	70 / 40	n°2	40x 45x 9.7	40x 50x 7/10	839	0400	839	148	1307/1 -BR
GKGCGPM080040	80 / 40	n°2	40x 45x 9.7	40x 50x 7/10	845	0400	845	151	1307/1 -BR
GKGCGPM080045	80 / 45	n°2	45x 50x 9.7	45x 55x 7/10	845	0450	845	151	1309 -BR
GKGCGPM080050	80 / 50	n°2	50x 55x 9.7	50x 60x 7/10	845	0500	845	151	1310 -BR
GKGCGPM090045	90 / 45	n°2	45x 50x 9.7	45x 55x 7/10	620	0450	620	153	1309 -BR
GKGCGPM090050	90 / 50	n°2	50x 55x 9.7	50x 60x 7/10	620	0500	620	153	1310 -BR
GKGCGPM090060	90 / 60	n°2	60x 65x 9.7	60x 70x 7/10	620	0600	620	153	1314/2 -BR
GKGCGPM100045	100 / 45	n°2	45x 50x 9.7	45x 55x 7/10	621	0450	621	154	1309 -BR
GKGCGPM100050	100 / 50	n°2	50x 55x 9.7	50x 60x 7/10	621	0500	621	154	1310 -BR
GKGCGPM100060	100 / 60	n°2	60x 65x 9.7	60x 70x 7/10	621	0600	621	154	1314/2 -BR
GKGCGPM110050	110 / 50	n°2	50x 55x 9.7	50x 60x 7/10	345	0500	345	156	1310 -BR
GKGCGPM110060	110 / 60	n°2	60x 65x 9.7	60x 70x 7/10	345	0600	345	156	1314/2 -BR
GKGCGPM120060	120 / 60	n°2	60x 65x 9.7	60x 70x 7/10	348	0600	348	158	1314/2 -BR
GKGCGPM120070	120 / 70	n°2	70x 75x 9.7	70x 80x 7/10	348	0700	348	158	1322 -BR
GKGCGPM120080	120 / 80	n°2	80x 85x 9.7	90x 80x 7/10	348	0800	348	158	1331 -BR
GKGCGPM125070	125 / 70	n°3	70x 75x 9.7	70x 80x 7/10	349	0700	349	249	1322 -BR
GKGCGPM125080	125 / 80	n°3	80x 85x 9.7	80x 90x 7/10	349	0800	349	249	1331 -BR
GKGCGPM140080	140 / 80	n°3	80x 85x 9.7	80x 90x 7/10	864	0800	864	254	1331 -BR
GKGCGPM140090	140 / 90	n°3	90x 95x 9.7	90x100x 7/10	864	0900	864	254	1337 -BR
GKGCGPM140100	140 / 100	n°3	100x105x 9.7	100x110x 7/10	864	1000	864	254	1341/1 -BR
GKGCGPM150080	150 / 80	n°3	80x 85x 9.7	80x 90x 7/10	867	0800	867	257	1331 -BR
GKGCGPM150090	150 / 90	n°3	90x 95x 9.7	90x100x 7/10	867	0900	867	257	1337 -BR
GKGCGPM150100	150 / 100	n°3	100x105x 9.7	100x110x 7/10	867	1000	867	257	1341/1 -BR
GKGCGPM160100	160 / 100	n°3	100x105x 9.7	100x110x 7/10	870	1000	870	259	1341/1 -BR
GKGCGPM160120	160 / 120	n°3	120x125x 9.7	120x130x 7/10	870	1200	870	259	1348 -BR
GKGCGPM180100	180 / 100	n°2	100x105x 9.7	n°2 100x105x15	628	1000	628	263	1341/1 -BR
GKGCGPM180120	180 / 120	n°2	120x125x 9.7	n°2 120x125x15	628	1200	628	263	1348 -BR
GKGCGPM200100	200 / 100	n°2	100x105x 9.7	n°2 100x105x15	882	1000	882	266	1341/1 -BR
GKGCGPM200120	200 / 120	n°2	120x125x 9.7	n°2 120x125x15	882	1200	882	266	1348 -BR
GKGCGPM200140	200 / 140	n°2	140x145x 9.7	n°2 140x145x15	882	1400	882	266	1350/1 -BR
GKGCGPM220120	220 / 120	n°2	120x125x 9.7	n°2 120x125x15	674	1200	674	269	1348 -BR
GKGCGPM220140	220 / 140	n°2	140x145x 9.7	n°2 140x145x15	674	1400	674	269	1350/1 -BR
GKGCGPM250150	250 / 150	n°2	150x155x 9.7	n°2 150x155x25	678	1500	678	274	1350/2A -BR
GKGCGPM250180	250 / 180	n°2	180x185x 9.7	n°2 180x185x25	678	1800	678	274	1350/4 -BR
GKGCGPM300150	300 / 150	n°2	150x155x12.5	n°2 150x155x30	686	1500	686	277	1350/2A -BR
GKGCGPM300180	300 / 180	n°2	180x185x12.5	n°2 180x185x30	686	1800	686	277	1350/4 -BR

TETE DE GUIDAGE - HEAD BUSHES

KIT JOINTS POUR TETE DE GUIDAGE "CGT" SEAL KITS FOR "CGT" HEAD BUSH

Series M250

GKGT

Code Code	Tige Rod	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty	AGI x2
GKGT020030	20	120	078110	TTI 20-28/L	025	-
GKGT025035	25	123	098129	TTI 25-33/L	123	-
GKGT030040	30	126	118149	TTI 30-38/L	126	-
GKGT035045	35	129	137169	TTS 596	129	-
GKGT040050	40	132	157188	TTI 40-48/L	132	-
GKGT045055	45	136	177208	TTI 45-55/2L	136	-
GKGT050060	50	138	196228	TTI 50-60/L	138	-
GKGT060070	60	145	236267	TSE 275236	145	-
GKGT070000	70	237	275322	TSE 334275/1	-	76x 70x12.8
GKGT080000	80	239	314346	TSE 377314/AI	-	86x 80x12.8
GKGT100000	100	248	393440	TSE 444393/AI	-	106x100x12.8

KIT JOINTS POUR TETE DE GUIDAGE "CGHFRT" SEAL KITS FOR "CGHFRT" HEAD BUSH

Series M250

GKGFHRT

Code Code	Tige Rod	GHK	TTI-L TTS - TSE	O-Ring 90 Sh. Dowty	AGI x2
GKGFHRT020	20	078110	TTI 20-28/L	123	-
GKGFHRT025	25	098129	TTI 25-33/L	123	-
GKGFHRT030	30	118149	TTI 30-38/L	129	-
GKGFHRT035	35	137169	TTI 35-43	129	-
GKGFHRT040	40	157188	TTI 40-48/L	136	-
GKGFHRT045	45	177208	TTS 634	136	-
GKGFHRT050	50	196228	TTI 50-60/L	142	-
GKGFHRT060	60	236267	TTI 60-70/L	149	-
GKGFHRT070	70	275307	TTI 70-80	235	76x 70x12.8
GKGFHRT080	80	314346	TTI 80-90	238	86x 80x12.8
GKGFHRT090	90	354401	TTI 90-105/2	242	96x 90x12.8
GKGFHRT100	100	393440	TTI 100-113/1	245	106x100x12.8

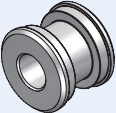
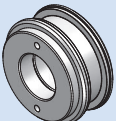
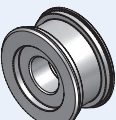
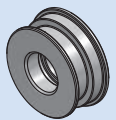
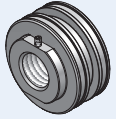
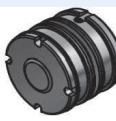
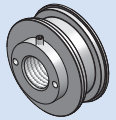
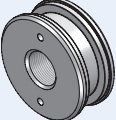
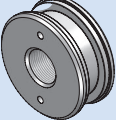
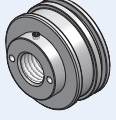
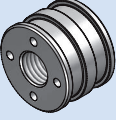
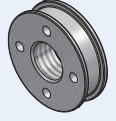
KIT JOINTS POUR TETE DE GUIDAGE "CGCGA" SEAL KITS FOR "CGCGA" HEAD BUSH

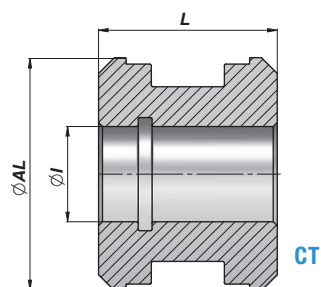
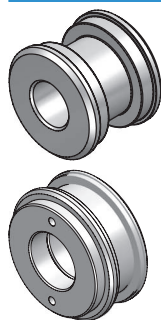
Series M250

GKGCGA

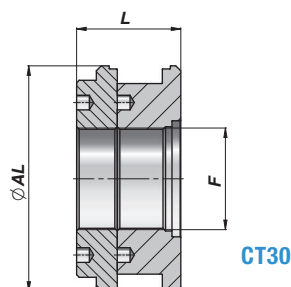
Code Code	Alesage/Tige Bore/Rod	O-Ring Dowty	WS 22 / AM44 (PU)	TTI-L	GKS	O-Ring Dowty	GAF ANPOL
GKGCGA030020	30 / 20	22	20x28x3,5/5	TTI 20-28	120	120	ANPOL n°2 20x 23x 6,3
GKGCGA032020	32 / 20	22	20x30x7/10	TTI 20-28	121	121	ANPOL n°2 20x 23x 6,3
GKGCGA035020	35 / 20	122	20x30x7/10	TTI 20-28	216	216	ANPOL n°2 20x 23x 6,3
GKGCGA040020	40 / 20	129	20x30x7/10	TTI 20-28	219	219	ANPOL n°2 20x 23x 6,3
GKGCGA040025	40 / 25	129	25x35x7/10	TTI 25-33/L	219	219	n°2 25x 30x 5,6
GKGCGA050025	50 / 25	135	25x35x7/10	TTI 25-33/L	826	826	n°2 25x 30x 9,7
GKGCGA050030	50 / 30	135	30x40x7/10	TTI 30-40/L	826	826	n°2 30x 35x 9,7
GKGCGA050035	50 / 35	135	35x45x7/10	TTI 35-45/L	826	826	n°2 35x 40x 9,7
GKGCGA060025	60 / 25	141	25x35x7/10	TTI 25-33/L	832	832	n°2 25x 30x 9,7
GKGCGA060030	60 / 30	141	30x40x7/10	TTI 30-40/L	832	832	n°2 30x 35x 9,7
GKGCGA060035	60 / 35	141	35x45x7/10	TTI 35-45/L	832	832	n°2 35x 40x 9,7
GKGCGA060040	60 / 40	141	40x50x7/10	TTI 40-50	832	832	n°2 40x 45x 9,7
GKGCGA063030	63 / 30	144	30x40x7/10	TTI 30-40/L	835	835	n°2 30x 35x 9,7
GKGCGA063035	63 / 35	144	35x45x7/10	TTI 35-45/L	835	835	n°2 35x 40x 9,7
GKGCGA063040	63 / 40	144	40x50x7/10	TTI 40-50	835	835	n°2 40x 45x 9,7
GKGCGA063045	63 / 45	144	45x55x7/10	TTI 45-55/2L	835	835	n°2 45x 50x 9,7
GKGCGA070035	70 / 35	148	35x45x7/10	TTI 35-45/L	839	839	n°2 35x 40x 9,7
GKGCGA070040	70 / 40	148	40x50x7/10	TTI 40-50	839	839	n°2 40x 45x 9,7
GKGCGA070050	70 / 50	148	50x60x7/10	TTI 50-60/L	839	839	n°2 50x 55x 9,7
GKGCGA080040	80 / 40	151	40x50x7/10	TTI 40-50	845	845	n°2 40x 45x15
GKGCGA080050	80 / 50	151	50x60x7/10	TTI 50-60/L	845	845	n°2 50x 55x 9,7
GKGCGA080055	80 / 55	151	55x65x7/10	TTI 55-65/L	845	845	n°2 55x 60x 9,7
GKGCGA090040	90 / 40	153	40x50x7/10	TTI 40-50	620	620	n°2 40x 45x15
GKGCGA090050	90 / 50	153	50x60x7/10	TTI 50-60/L	620	620	n°2 50x 55x15
GKGCGA100050	100 / 50	154	50x60x7/10	TTI 50-60/L	621	621	n°2 50x 55x15
GKGCGA100060	100 / 60	154	60x70x7/10	TTI 60-75/3L	621	621	n°2 60x 65x15
GKGCGA100063	100 / 63	154	63x75x7/10	TTI 63-78/1L	621	621	n°2 63x 68x15
GKGCGA100070	100 / 70	154	70x80x7/10	TTI 70-85/LAI	621	621	n°2 70x 75x15

PISTON PISTONS

	Description - Description	Series	Type	Page
	PISTON PISTON	M250	CT	64
	PISTON PISTON	M250	CT30	64
	PISTON PISTON	C200	CTLM	65
	PISTON POUR VERIN SIMPLE EFFET PISTON FOR SINGLE ACTING CYLINDER	M250	CTSE	65
	PISTON TARAUE AVEC VIS DE BLOCAGE THREADED PISTON WITH GRUB SCREW	P350	CTPM	66
	PISTON TARAUE AVEC VIS DE BLOCAGE THREADED PISTON WITH GRUB SCREW	P300	CTFS	67
	PISTON TARAUE FERME AVEC VIS DE BLOCAGE THREADED CLOSED PISTON WITH GRUB SCREW	P300	CTC	67
	PISTON TARAUE AVEC VIS DE BLOCAGE THREADED PISTON WITH GRUB SCREW	M250	CTFV	68
	PISTON TARAUE THREADED PISTON	M250	CTF	68
	PISTON TARAUE THREADED PISTON	M250	CTBF	69
	PISTON TARAUE AVEC SON GRAIN POUR JOINT BASSE FRICTION THREADED PISTON WITH GRUB SCREW FOR LOW FRICTION SEAL	M250	CTFGV	70
	PISTON POUR VERIN PLONGEUR PISTON FOR PLUNGER CYLINDER	M250	CTT	71
	PISTON POUR VERIN PLONGEUR PISTON FOR PLUNGER CYLINDER	M250	CTTB	71
	POCHETTES DE JOINTS SEAL KITS		GKG	72-78



CT



CT30

Code Code	ØAL	ØI-F	L	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits	
*CT00030013	30	13	24,7	0,02	Z00CT00030013	100	GKGCT030013	
CT00032013	32	13	30	0,10	Z00CT00032013	100	GKGCT032013	
CT00032015	32	15	30	0,09	Z00CT00032015	100	GKGCT032015	
CT00035015	35	15	40	0,16	Z50CT00035015	50	GKGCT035015	
CT00040015	40	15	40	0,23	Z50CT00040015	50	GKGCT040015	
CT00045015	45	15	40	0,31	Z50CT00045015	50	GKGCT045015	
CT00050015	50	15	40	0,36	Z50CT00050015	50	GKGCT050015	
CT00050020	50	20	40	0,31	Z50CT00050020	50	GKGCT050020	
CT00055020	55	20	40	0,42	Z25CT00055020	25	GKGCT055020	
CT00060020	60	20	50	0,71	Z25CT00060020	25	GKGCT060020	
CT00060024	60	24	45	0,56	Z25CT00060024	25	GKGCT060024	
CT00060027	60	27	50	0,61	Z25CT00060027	25	GKGCT060027	
CT00063020	63	20	50	0,81	Z25CT00063020	25	GKGCT063020	
CT00063024	63	24	45	0,65	Z25CT00063024	25	GKGCT063024	
CT00065020	65	20	50	0,88	Z25CT00065020	25	GKGCT065020	
CT00065024	65	24	45	0,72	Z25CT00065024	25	GKGCT065024	
CT00070020	70	20	50	0,94	Z25CT00070020	25	GKGCT070020	
CT00070024	70	24	45	0,78	Z25CT00070024	25	GKGCT070024	
CT00070027	70	27	50	0,83	Z25CT00070027	25	GKGCT070027	
CT00075024	75	24	45	0,95	Z20CT00075024	20	GKGCT075024	
CT00075027	75	27	50	1,00	Z20CT00075027	20	GKGCT075027	
CT00080024	80	24	45	1,11	Z20CT00080024	20	GKGCT080024	
CT00080027	80	27	50	1,23	Z20CT00080027	20	GKGCT080027	
CT00085024	85	24	45	1,30	Z10CT00085024	10	GKGCT085024	
CT00085027	85	27	50	1,43	Z10CT00085027	10	GKGCT085027	
CT00090027	90	27	50	1,66	Z10CT00090027	10	GKGCT090027	
CT00090033	90	33	50	1,55	Z10CT00090033	10	GKGCT090033	
CT00100027	100	27	50	2,06	Z10CT00100027	10	GKGCT100027	
CT00100033	100	33	50	1,95	Z10CT00100033	10	GKGCT100033	
CT00110033	110	33	50	2,49	Z10CT00110033	10	GKGCT110033	
CT00110040	110	40	50	2,33	Z10CT00110040	10	GKGCT110040	
CT00120040	120	40	50	2,95	Z06CT00120040	6	GKGCT120040	
CT00125040	125	40	50	3,19	Z06CT00125040	6	GKGCT125040	
CT00140040	140	40	58	5,07			GKGCT140040	
CT00150040	150	40	58	5,97			GKGCT150040	
CT00160051	160	51	58	6,60			GKGCT160051	
CT30								
CT11180080	180	M80x2	82	9,80			GKG11180F80	
CT11200080	200	M80x2	82	13,00			GKG11200F80	
CT11250080	250	M98x2	82	21,70			GKG11250F98	

MATERIEL : ACIER 9SMn28 - UNI C40 - * = ALUMINIUM UNI 2011-11S
 MATERIAL : STEEL 9SMn28 - UNI C40 - * = ALUMINIUM UNI 2011-11S

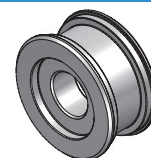
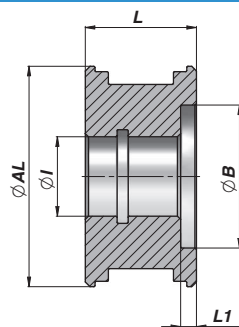
JOINTS : VOIR PAGE 72
 SEALS : SEE PAGE 72

SUR DEMANDE : KIT JOINTS IN VITON
 ON REQUEST : VITON SEAL KITS

PISTON
PISTON

CTLM

Series C200



Code Code	ØAL	ØI	L	ØB	L1	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTLM040015027	40	15	27	27	5	0,15	Z50CTLM040015	50	GKGCTLM040015
CTLM050021030	50	21	30	36	5	0,25	Z50CTLM050021	50	GKGCTLM050021
CTLM060025035	60	25	35	45	5	0,40	Z25CTLM060025	25	GKGCTLM060025
CTLM070025035	70	25	35	45	5	0,59	Z25CTLM070025	25	GKGCTLM070025
CTLM080028040	80	28	40	50	6	0,95	Z20CTLM080028	20	GKGCTLM080028
CTLM100035040	100	35	40	60	6	1,60	Z10CTLM100035	10	GKGCTLM100035

MATERIEL : ACIER 9SMn28 - UNI C40
MATERIAL : STEEL 9SMn28 - UNI C40

JOINTS : VOIR PAGE 72

SEALS : SEE PAGE 72

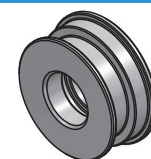
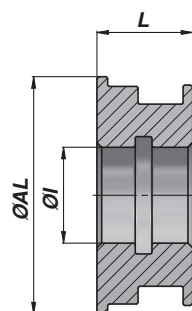
SUR DEMANDE : KIT JOINTS IN VITON

ON REQUEST : VITON SEAL KITS

PISTON POUR VERIN SIMPLE EFFET
PISTON FOR SINGLE ACTING CYLINDER

CTSE

Series M250



Code Code	ØAL	ØI	L	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTSE040015	40	15	20	0,11	Z00CTSE040015	100	GKGCTSE040015
CTSE050020	50	20	25	0,21	Z50CTSE050020	50	GKGCTSE050020
CTSE060020	60	20	25	0,35	Z25CTSE060020	25	GKGCTSE060020
CTSE063024	63	24	25	0,35	Z25CTSE063024	25	GKGCTSE063024
CTSE070027	70	27	28	0,45	Z25CTSE070027	25	GKGCTSE070027
CTSE080027	80	27	28	0,66	Z20CTSE080027	20	GKGCTSE080027
CTSE090033	90	33	30	0,93	Z20CTSE090033	20	GKGCTSE090033
CTSE100033	100	33	30	1,23	Z10CTSE100033	10	GKGCTSE100033

MATERIEL : ACIER 9SMn28 - UNI C40
MATERIAL : STEEL 9SMn28 - UNI C40

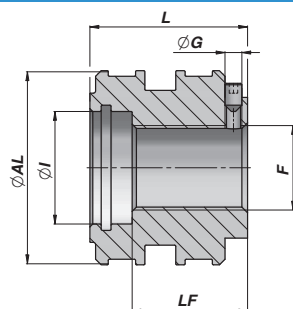
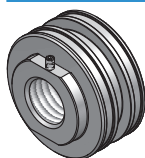
JOINTS : VOIR PAGE 73

SEALS : SEE PAGE 73

CTPM

PISTON TARAUDE AVEC VIS DE BLOCAGE THREADED PISTON WITH GRUB SCREW

Series P350



Code Code	ØAL	F	LF	L	ØI	ØG	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTPM050021040	50	M20x1.5	28	40	21	M6	0,40	Z50CTPM050021	50	GKGCTPM050021
CTPM050025040 (A)	50	M22x1.5	28	40	25	M6	0,36	Z50CTPM050025	50	GKGCTPM050025
CTPM060030045 (A)	60	M27x2	30	45	30	M6	0,60	Z25CTPM060030	25	GKGCTPM060030
CTPM063030045 (A)	63	M27x2	30	45	30	M6	0,67	Z25CTPM063030	25	GKGCTPM063030
CTPM070035056 (A)	70	M33x2	41	56	35	M6	1,00	Z25CTPM070035	25	GKGCTPM070035
CTPM070040056	70	M30x2	41	56	40	M6	1,00	Z25CTPM070040	25	GKGCTPM070040
CTPM080040056	80	M30x2	41	56	40	M6	1,40	Z10CTPM080040	10	GKGCTPM080040
CTPM080041056 (A)	80	M33x2	41	56	40	M6	1,37	Z10CTPM080041	10	GKGCTPM080041
CTPM090038055	90	M36x3	40	55	38	M6	1,80	Z10CTPM090038	10	GKGCTPM090038
CTPM090043055 (A)	90	M40x2	40	55	43	M6	1,71	Z10CTPM090043	10	GKGCTPM090043
CTPM100045056 (A)	100	M42x2	41	56	45	M6	2,20	Z10CTPM100045	10	GKGCTPM100045
CTPM110050070 (A)	110	M48x3	55	70	50	M8	3,40	Z05CTPM110050	5	GKGCTPM110050
CTPM120050070	120	M48x3	55	70	50	M8	4,10	Z03CTPM120050	3	GKGCTPM120050
CTPM120054070 (A)	120	M52x2	55	70	54	M8	3,94	Z03CTPM120054	3	GKGCTPM120054
CTPM125050070	125	M48x3	55	70	51	M8	4,40	Z03CTPM125050	3	GKGCTPM125050
CTPM125054070 (A)	125	M52x2	55	70	54	M8	4,23	Z03CTPM125054	3	GKGCTPM125054
CTPM140050075	140	M48x3	57	75	50	M8	6,00			GKGCTPM140050
CTPM140067075 (A)	140	M64x3	57	75	67	M8	5,55			GKGCTPM140067
CTPM150056080	150	M52x3	60	80	56	M8	7,50			GKGCTPM150056
CTPM150067080 (A)	150	M64x3	60	80	67	M8	6,91			GKGCTPM150067
CTPM160056080	160	M52x3	60	80	56	M8	8,50			GKGCTPM160056
CTPM160076080 (A)	160	M74x3	60	80	76	M8	7,82			GKGCTPM160076
CTPM180090115	180	M80x2	85	115	90	M10	14,10			GKGCTPM180090
CTPM200100115	200	M90x2	85	115	100	M10	17,48			GKGCTPM200100
CTPM220110120	220	M100x2	90	120	110	M10	21,78			GKGCTPM220110
CTPM250125130	250	M115x3	100	130	125	M10	30,04			GKGCTPM250125
CTPM300150140	300	M140x3	105	140	150	M12	44,94			GKGCTPM300150

MATERIEL : ACIER UNI C40
MATERIAL : STEEL UNI C40

JOINTS : VOIR PAGE 73
SEALS : SEE PAGE 73

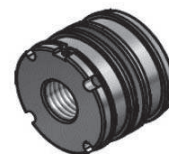
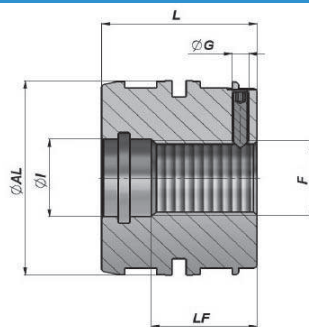
(A) = Conçu suivant le standard DNV PART 4 CHAPTER 7 RULES SHIPS / HIGH SPEED, LIGHT CRAFT AND NAVAL SURFACE CRAFT – PRESSURE

(A) = Designed in accordance with the norm DNV PART 4 CHAPTER 7 RULES SHIPS / HIGH SPEED, LIGHT CRAFT AND NAVAL SURFACE CRAFT – PRESSURE

PISTON TARAUDE AVEC VIS DE BLOCAGE
THREADED PISTON WITH GRUB SCREW

CTFS

Series P300



Code Code	ØAL	F	LF	L	ØI	ØG	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTFS0301215	30	M12x1.5	21	29	13	M4	0,10		50	GKGCTFS03012
CTFS0321415	32	M14x1.5	22	30	15	M4	0,12		50	GKGCTFS03214
CTFS0351415	35	M14x1.5	25	33	15	M4	0,17		50	GKGCTFS03514
CTFS0401615	40	M16x1.5	27	37	17	M4	0,25		50	GKGCTFS04016
CTFS0502015	50	M20x1.5	29	41	21	M5	0,44		50	GKGCTFS05020
CTFS0502420	50	M24x2	29	41	25	M5	0,40		50	GKGCTFS05024
CTFS0602420	60	M24x2	32	47	25	M5	0,76		25	GKGCTFS06024
CTFS0632420	63	M24x2	32	47	25	M5	0,86		25	GKGCTFS06324
CTFS0633320	63	M33x2	32	47	35	M5	0,71		25	GKGCTFS06333
CTFS0702720	70	M27x2	35	50	28	M6	1,11		25	GKGCTFS07027
CTFS0803020	80	M30x2	38	53	32	M6	1,54		20	GKGCTFS08030
CTFS0903630	90	M36x3	41	56	38	M6	2,11		10	GKGCTFS09036
CTFS1003930	100	M39x3	41	56	42	M8	1,54		10	GKGCTFS10039

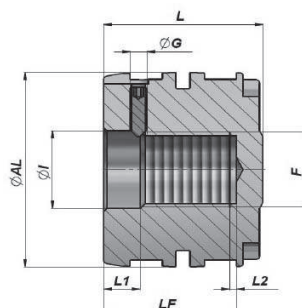
MATERIEL : ACIER S355J2
 MATERIAL : STEEL S355J20

JOINTS : VOIR PAGE 77
 SEALS : SEE PAGE 77

PISTON TARAUDE FERME AVEC VIS DE BLOCAGE
THREADED CLOSED PISTON WITH GRUB SCREW

CTC

Series P300

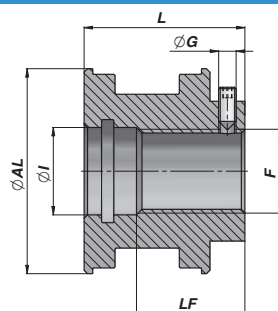
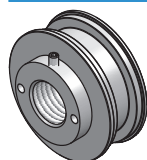


Code Code	ØAL	F	LF	L	ØI	L1	L2	ØG	kg	Pochette de joints Seal kits
CTC040016014	40	M14x1,5	30	39	16	10	2	M4	0,27	GKGCTC0400
CTC040020018	40	M18x1,5	30	39	20	10	2	M4	0,25	GKGCTC0400
CTC050020018	50	M18x1,5	36	46	20	11	2	M5	0,51	GKGCTC0500
CTC050025024	50	M24x2	36	46	25	11	2	M5	0,46	GKGCTC0500
CTC060025024	60	M24x2	38	48	25	11	2	M5	0,79	GKGCTC0600
CTC060030027	60	M27x2	38	48	30	11	2	M5	0,74	GKGCTC0600
CTC063025024	63	M24x2	38	48	25	11	2	M5	0,88	GKGCTC0630
CTC063030027	63	M27x2	38	48	30	11	2	M5	0,83	GKGCTC0630
CTC070030027	70	M27x2	41	51	30	12	2	M6	1,14	GKGCTC0700
CTC070035033	70	M33x2	41	51	35	12	2	M6	1,06	GKGCTC0700
CTC080030027	80	M27x2	41	54	30	12	2	M6	1,64	GKGCTC0800
CTC080035033	80	M33x2	41	54	35	12	2	M6	1,55	GKGCTC0800
CTC090035033	90	M33x2	46	59	35	12	2	M6	2,24	GKGCTC0900
CTC090040039	90	M39x3	45	59	40	12	3	M6	2,19	GKGCTC0900
CTC100040039	100	M39x3	54	68	40	12	3	M8	3,24	GKGCTC1000
CTC100050048	100	M48x3	54	68	50	12	3	M8	2,98	GKGCTC1000

MATERIEL : ACIER S355J2
 MATERIAL : STEEL S355J2

JOINTS : VOIR PAGE 77
 SEALS : SEE PAGE 77

CTFV

PISTON TARAUE AVEC VIS DE BLOCAGE
THREADED PISTON WITH GRUB SCREW

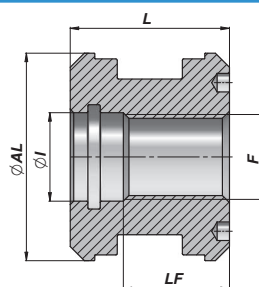
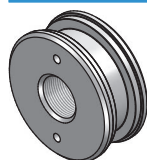
Series M250

Code Code	ØAL	F	LF	L	ØI	ØG	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
*CTFV0251015	25	M10x1.5	23	30.5	11	M3	0,02	Z50CTFV0251015	50	GKGCTFV025010
*CTFV0301215	30	M12x1.5	23	30.5	13	M3	0,03	Z50CTFV0301215	50	GKGCTFV030012
CTFV0321215	32	M12x1.5	25	33.0	13	M3	0,11	Z50CTFV0321215	50	GKGCTFV032012
CTFV0351215	35	M12x1.5	32	40.0	13	M3	0,17	Z50CTFV0351215	50	GKGCTFV035012
CTFV0401615	40	M16x1.5	32	42.0	17	M4	0,22	Z50CTFV0401615	50	GKGCTFV040016
CTFV0451615	45	M16x1.5	32	42.0	17	M4	0,29	Z50CTFV0451615	50	GKGCTFV045016
CTFV0502015	50	M20x1.5	32	44.0	21	M4	0,31	Z50CTFV0502015	50	GKGCTFV050020
CTFV0552015	55	M20x1.5	32	44.0	21	M4	0,41	Z25CTFV0552015	25	GKGCTFV055020
CTFV0602420	60	M24x2	31	46.0	25	M5	0,50	Z25CTFV0602420	25	GKGCTFV060024
CTFV0632420	63	M24x2	31	46.0	25	M5	0,57	Z25CTFV0632420	25	GKGCTFV063024
CTFV0652420	65	M24x2	31	46.0	25	M5	0,63	Z25CTFV0652420	25	GKGCTFV065024
CTFV0702420	70	M24x2	34	49.0	25	M5	0,75	Z25CTFV0702420	25	GKGCTFV070024
CTFV0752720	75	M27x2	37	52.0	28	M6	0,91	Z20CTFV0752720	20	GKGCTFV075027
CTFV0802720	80	M27x2	37	52.0	28	M6	1,07	Z20CTFV0802720	20	GKGCTFV080027
CTFV0852720	85	M27x2	37	52.0	28	M6	1,24	Z10CTFV0852720	10	GKGCTFV085027
CTFV0903320	90	M33x2	37	52.0	35	M6	1,38	Z10CTFV0903320	10	GKGCTFV090033
CTFV1003320	100	M33x2	39	54.0	35	M6	1,76	Z10CTFV1003320	10	GKGCTFV100033
CTFV1103930	110	M39x3	42	57.0	42	M8	2,29	Z05CTFV1103930	5	GKGCTFV110039
CTFV1204230	120	M42x3	42	57.0	45	M8	2,80	Z03CTFV1204230	3	GKGCTFV120042
CTFV1254230	125	M42x3	44	59.0	45	M8	3,16	Z03CTFV1254230	3	GKGCTFV125042
CTFV1404830	140	M48x3	47	65.0	51	M8	4,61			GKGCTFV140048
CTFV1504830	150	M48x3	47	65.0	51	M8	5,43			GKGCTFV150048
CTFV1605230	160	M52x3	47	65.0	54	M8	6,24			GKGCTFV160052

MATERIEL : ACIER 9SMn28 - UNI C40 - * = ALUMINIUM UNI 2011-11S
 MATERIAL : STEEL 9SMn28 - UNI C40 - * = ALUMINIUM UNI 2011-11S

JOINTS : VOIR PAGE 74
 SEALS : SEE PAGE 74
 SUR DEMANDE : KIT JOINTS IN VITON
 ON REQUEST : VITON SEAL KITS

CTF

PISTON TARAUE
THREADED PISTON

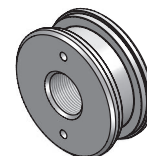
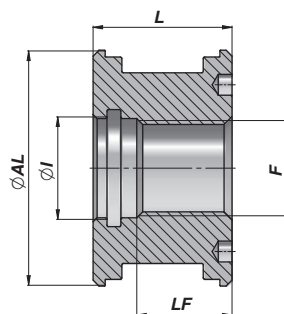
Series M250

Code Code	ØAL	F	LF	L	ØI	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
*CTF2510125	25	M10x1.5	17.5	25	11	0,01	Z00CTF2510125	100	GKGF025010
CTF0401615	40	M16x1.5	30.0	40	17	0,22	Z50CTF0401615	50	GKGF040016
CTF0502015	50	M20x1.5	28.0	40	21	0,31	Z50CTF0502015	50	GKGF050020
CTF0602420	60	M24x2	30.0	45	25	0,58	Z25CTF0602420	25	GKGF060024
CTF0632420	63	M24x2	30.0	45	25	0,66	Z25CTF0632420	25	GKGF063024
CTF0702420	70	M24x2	30.0	45	25	0,78	Z25CTF0702420	25	GKGF070024
CTF0802720	80	M27x2	30.0	45	28	1,08	Z20CTF0802720	20	GKGF080027
CTF0903320	90	M33x2	35.0	50	35	1,57	Z10CTF0903320	10	GKGF090033
CTF1003320	100	M33x2	35.0	50	35	2,18	Z10CTF1003320	10	GKGF100033
CTF1103930	110	M39x3	35.0	50	42	2,40	Z10CTF1103930	10	GKGF110039
CTF1204230	120	M42x3	35.0	50	45	3,00	Z06CTF1204230	6	GKGF120042
CTF1254230	125	M42x3	35.0	50	45	3,20	Z06CTF1254230	6	GKGF125042
CTF1404830	140	M48x3	40.0	58	51	4,90			GKGF140048
CTF1504830	150	M48x3	40.0	58	51	5,80			GKGF150048
CTF1605230	160	M52x3	40.0	58	54	6,70			GKGF160052

MATERIEL : ACIER 9SMn28 - UNI C40 - * = ALUMINIUM UNI 2011-11S
 MATERIAL : STEEL 9SMn28 - UNI C40 - * = ALUMINIUM UNI 2011-11S

JOINTS : VOIR PAGE 73
 SEALS : SEE PAGE 73
 SUR DEMANDE : KIT JOINTS IN VITON
 ON REQUEST : VITON SEAL KITS

Series M250

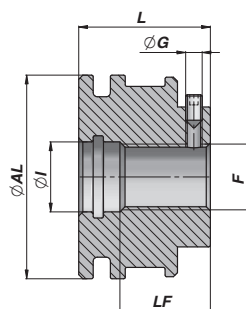
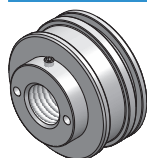


Code Code	ØAL	F	LF	L	ØI	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTBF030M12	30	M12x1.5	17	25	13	0,07	Z00CTBF030M12	100	GKGB030012
CTBF032M12	32	M12x1.5	19	27	13	0,09	Z00CTBF032M12	100	GKGB032012
CTBF035M12	35	M12x1.5	19	27	13	0,12	Z00CTBF035M12	100	GKGB035012
CTBF040M16	40	M16x1.5	19	27	17	0,17	Z00CTBF040M16	100	GKGB040016
CTBF045M16	45	M16x1.5	21	30	17	0,25	Z50CTBF045M16	50	GKGB045016
CTBF050M20	50	M20x1.5	21	30	21	0,29	Z50CTBF050M20	50	GKGB050020
CTBF055M20	55	M20x1.5	24	35	21	0,35	Z25CTBF055M20	25	GKGB055020
CTBF060M24	60	M24x2	24	35	25	0,45	Z25CTBF060M24	25	GKGB060024
CTBF063M24	63	M24x2	24	35	25	0,50	Z25CTBF063M24	25	GKGB063024
CTBF065M24	65	M24x2	24	35	25	0,53	Z25CTBF065M24	25	GKGB065024
CTBF070M24	70	M24x2	24	35	25	0,70	Z25CTBF070M24	25	GKGB070024
CTBF075M27	75	M27x2	24	35	28	0,81	Z20CTBF075M27	20	GKGB075027
CTBF080M27	80	M27x2	26	40	28	1,06	Z20CTBF080M27	20	GKGB080027
CTBF085M27	85	M27x2	26	40	28	1,34	Z10CTBF085M27	10	GKGB085027
CTBF090M33	90	M33x2	26	40	35	1,34	Z10CTBF090M33	10	GKGB090033
CTBF100M33	100	M33x2	26	40	35	1,76	Z10CTBF100M33	10	GKGB100033

MATERIEL : ACIER 9SMn28 - UNI C40
MATERIAL : STEEL 9SMn28 - UNI C40

JOINTS : VOIR PAGE 74
SEALS : SEE PAGE 74

SUR DEMANDE : KIT JOINTS IN VITON
ON REQUEST : VITON SEAL KITS

CTFGV**PISTON TARAUDE AVEC SON GRAIN POUR JOINT BASSE FRICTION**
THREADED PISTON WITH GRUB SCREW FOR LOW FRICTION SEAL**Series M250**

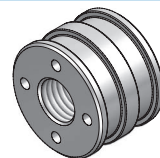
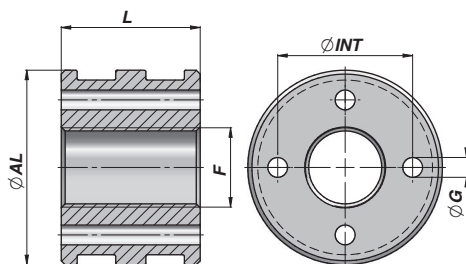
Code Code	ØAL	F	LF	L	ØI	ØG	kg	Boîte Box		Pcs Pcs	Pochette de joints Seal kits
CTFGV0301215	30	M12x1.5	22.5	30	13	M3	0,10	Z50CTFGV0301215		50	GKGCTFGV03012
CTFGV0321215	32	M12x1.5	22.0	30	13	M3	0,12	Z50CTFGV0321215		50	GKGCTFGV03212
CTFGV0351215	35	M12x1.5	22.0	30	13	M3	0,15	Z50CTFGV0351215		50	GKGCTFGV03512
CTFGV0401615	40	M16x1.5	22.0	32	17	M4	0,19	Z50CTFGV0401615		50	GKGCTFGV04016
CTFGV0451615	45	M16x1.5	22.0	32	17	M4	0,25	Z50CTFGV0451615		50	GKGCTFGV04516
CTFGV0501615	50	M16x1.5	22.0	32	17	M4	0,31	Z50CTFGV0501615		50	GKGCTFGV05016
CTFGV0552015	55	M20x1.5	23.0	35	21	M4	0,39	Z25CTFGV0552015		25	GKGCTFGV05520
CTFGV0602420	60	M24x2	25.0	40	25	M5	0,53	Z25CTFGV0602420		25	GKGCTFGV06024
CTFGV0632420	63	M24x2	25.0	40	25	M5	0,60	Z25CTFGV0632420		25	GKGCTFGV06324
CTFGV0652420	65	M24x2	25.0	40	25	M5	0,64	Z25CTFGV0652420		25	GKGCTFGV06524
CTFGV0702420	70	M24x2	25.0	40	25	M5	0,78	Z25CTFGV0702420		25	GKGCTFGV07024
CTFGV0752720	75	M27x2	30.0	45	28	M6	1,00	Z20CTFGV0752720		20	GKGCTFGV07527
CTFGV0802720	80	M27x2	30.0	45	28	M6	1,11	Z20CTFGV0802720		20	GKGCTFGV08027
CTFGV0852720	85	M27x2	30.0	45	28	M6	1,27	Z10CTFGV0852720		10	GKGCTFGV08527
CTFGV0903320	90	M33x2	33.0	48	35	M6	1,54	Z10CTFGV0903320		10	GKGCTFGV09033
CTFGV1003320	100	M33x2	33.0	48	35	M6	1,93	Z10CTFGV1003320		10	GKGCTFGV10033
CTFGV1103930	110	M39x3	35.0	50	42	M8	2,39	Z05CTFGV1103930		5	GKGCTFGV11039
CTFGV1204230	120	M42x3	35.0	50	45	M8	2,86	Z03CTFGV1204230		3	GKGCTFGV12042
CTFGV1254230	125	M42x3	37.0	52	45	M8	3,29	Z03CTFGV1254230		3	GKGCTFGV12542
CTFGV1404830	140	M48x3	40.0	55	51	M8	4,37				GKGCTFGV14048
CTFGV1504830	150	M48x3	40.0	55	51	M8	5,07				GKGCTFGV15048
CTFGV1605230	160	M52x3	45.0	60	54	M8	6,42				GKGCTFGV16052

MATERIEL : ACIER 9SMn28 - UNI C40
 MATERIAL : STEEL 9SMn28 - UNI C40

JOINTS : VOIR PAGE 75
 SEALS : SEE PAGE 75

Compatible aussi avec joint "TTO"
 It also matches the seal "TTO"

Series M250

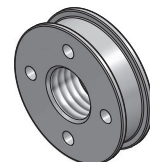
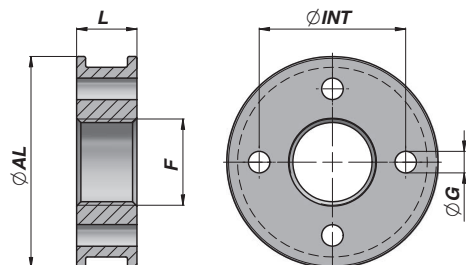


Code Code	ØAL	F	L	ØG	ØINT	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTT0301215	30	M12x1.5	35	Ø 3 x 4	20	0,10	Z50CTT0301215	50	GKGCTT03012
CTT0351415	35	M14x1.5	35	Ø 4 x 4	23	0,20	Z50CTT0351415	50	GKGCTT03514
CTT0401415	40	M14x1.5	35	Ø 4 x 4	27	0,30	Z50CTT0401415	50	GKGCTT04014
CTT0451615	45	M16x1.5	35	Ø 4 x 4	32	0,30	Z50CTT0451615	50	GKGCTT04516
CTT0502015	50	M20x1.5	35	Ø 5 x 4	34	0,40	Z50CTT0502015	50	GKGCTT05020
CTT0552015	55	M20x1.5	40	Ø 5 x 4	38	0,50	Z25CTT0552015	25	GKGCTT05520
CTT0602015	60	M20x1.5	40	Ø 6 x 4	42	0,60	Z25CTT0602015	25	GKGCTT06020
CTT0702420	70	M24x2	45	Ø 7 x 4	50	1,00	Z25CTT0702420	25	GKGCTT07024
CTT0802720	80	M27x2	45	Ø 7 x 4	60	1,40	Z20CTT0802720	20	GKGCTT08027
CTT0852720	85	M27x2	45	Ø 7 x 4	65	1,60	Z10CTT0852720	10	GKGCTT08527
CTT0903320	90	M33x2	50	Ø 7 x 6	68	1,90	Z10CTT0903320	10	GKGCTT09033
CTT1003320	100	M33x2	50	Ø 8 x 6	76	2,40	Z10CTT1003320	10	GKGCTT10033
CTT1103930	110	M39x3	55	Ø 8 x 6	86	3,30	Z05CTT1103930	5	GKGCTT11039
CTT1203930	120	M39x3	55	Ø 10 x 6	93	4,00	Z03CTT1203930	3	GKGCTT12039

MATERIEL : ACIER 9SMn28 - UNI C40
MATERIAL : STEEL 9SMn28 - UNI C40

JOINTS : VOIR PAGE 75
SEALS : SEE PAGE 75

Series M250



Code Code	ØAL	F	L	ØG	ØINT	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTTB0301215	30	M12x1.5	14	Ø 3 x 4	20	0,05	Z50CTTB0301215	50	GKGCTTB03012
CTTB0351415	35	M14x1.5	14	Ø 4 x 4	23	0,07	Z50CTTB0351415	50	GKGCTTB03514
CTTB0401415	40	M14x1.5	14	Ø 4 x 4	27	0,10	Z50CTTB0401415	50	GKGCTTB04014
CTTB0451615	45	M16x1.5	14	Ø 4 x 4	32	0,13	Z50CTTB0451615	50	GKGCTTB04516
CTTB0502015	50	M20x1.5	14	Ø 5 x 4	34	0,14	Z50CTTB0502015	50	GKGCTTB05020
CTTB0552015	55	M20x1.5	18	Ø 5 x 4	38	0,23	Z50CTTB0552015	50	GKGCTTB05520
CTTB0602015	60	M20x1.5	18	Ø 6 x 4	42	0,29	Z50CTTB0602015	50	GKGCTTB06020
CTTB0702420	70	M24x2	20	Ø 7 x 4	50	0,45	Z50CTTB0702420	50	GKGCTTB07024
CTTB0802720	80	M27x2	20	Ø 7 x 4	60	0,61	Z40CTTB0802720	40	GKGCTTB08027
CTTB0852720	85	M27x2	20	Ø 7 x 4	65	0,71	Z20CTTB0852720	20	GKGCTTB08527
CTTB0903320	90	M33x2	22	Ø 7 x 6	68	0,84	Z20CTTB0903320	20	GKGCTTB09033
CTTB1003320	100	M33x2	22	Ø 8 x 6	76	1,08	Z20CTTB1003320	20	GKGCTTB10033
CTTB1103930	110	M39x3	22	Ø 8 x 6	86	1,30	Z15CTTB1103930	15	GKGCTTB11039
CTTB1203930	120	M39x3	22	Ø 10 x 6	93	1,57	Z10CTTB1203930	10	GKGCTTB12039

MATERIEL : ACIER 9SMn28 - UNI C40
MATERIAL : STEEL 9SMn28 - UNI C40

JOINTS : VOIR PAGE 75
SEALS : SEE PAGE 75

GKGCT**Series M250****KIT JOINTS POUR PISTON "CT"**
SEAL KITS FOR "CT" PISTON

Code Code	Alésage/Perç. Piston Bore/Hole	TPM TPS/G - TPL	O-Ring Dowty
GKGCT030013	30 / 13	TPL 118078	014
GKGCT032013	32 / 13	TPS/G 125094	014
GKGCT032015	32 / 15	TPS/G 125094	616
GKGCT035015	35 / 15	TPM 137098	616
GKGCT040015	40 / 15	TPM 157118	616
GKGCT045015	45 / 15	TPM 177137	616
GKGCT050015	50 / 15	TPM 196133	616
GKGCT050020	50 / 20	TPM 196133	117
GKGCT055020	55 / 20	TPM 216153	117
GKGCT060020	60 / 20	TPM 236173	117
GKGCT060024	60 / 24	TPM 236173	814
GKGCT060027	60 / 27	TPM 236173	215
GKGCT063020	63 / 20	TPM 248185	117
GKGCT063024	63 / 24	TPM 248185	814
GKGCT065020	65 / 20	TPM 255196	117
GKGCT065024	65 / 24	TPM 255196	814
GKGCT070020	70 / 20	TPM 275196	117
GKGCT070024	70 / 24	TPM 275196	814
GKGCT070027	70 / 27	TPM 275196	215
GKGCT075024	75 / 24	TPM 295216	814
GKGCT075027	75 / 27	TPM 295216	215
GKGCT080024	80 / 24	TPM 314236	814
GKGCT080027	80 / 27	TPM 314236	215
GKGCT085024	85 / 24	TPM 334255	814
GKGCT085027	85 / 27	TPM 334255	215
GKGCT090027	90 / 27	TPM 354275	215
GKGCT090033	90 / 33	TPM 354275	219
GKGCT100027	100 / 27	TPM 393295	215
GKGCT100033	100 / 33	TPM 393295	219
GKGCT110033	110 / 33	TPM 433334	219
GKGCT110040	110 / 40	TPM 433334	824
GKGCT120040	120 / 40	TPM 472374	824
GKGCT125040	125 / 40	TPM 492393	824
GKGCT140040	140 / 40	TPM 551452	824
GKGCT150040	150 / 40	TPM 590492	824
GKGCT160051	160 / 51	TPM 629531	831

GKGCT**Series M250****KIT JOINTS POUR PISTON "CT"**
SEAL KITS FOR "CT" PISTON

Code Code	Alésage/Perç. Piston Bore/Hole	TDE	O-Ring Dowty
GKG11180F80	180 / 80	708590	339
GKG11200F80	200 / 80	787669	339
GKG11250F98	250 / 98	984866	345

GKGCTLM**Series C200****KIT JOINTS POUR PISTON "CTLM"**
SEAL KITS FOR "CTLM" PISTON

Code Code	Alésage/Perç. Piston Bore/Hole	TPS/G	O-Ring Dowty
GKGCTLM040015	40 / 15	157125/1	616
GKGCTLM050021	50 / 21	196157	812
GKGCTLM060025	60 / 25	236188	120
GKGCTLM070025	70 / 25	275228	120
GKGCTLM080028	80 / 28	314255	216
GKGCTLM100035	100 / 35	393334	220

KIT JOINTS POUR PISTON "CTSE" SEAL KITS FOR "CTSE" PISTON

Series M250

GKGCTSE

Code Code	Alésage/Perç. Piston Bore/Hole	TTE/W	O-Ring Dowty
GKGCTSE040015	40 / 15	40-30- 7.0 -W	616
GKGCTSE050020	50 / 20	50-35-10.0 -W	117
GKGCTSE060020	60 / 20	60-45-10.0 -W	117
GKGCTSE063024	63 / 24	63-45-10.0 -W	814
GKGCTSE070027	70 / 27	70-50-13.5 -W	215
GKGCTSE080027	80 / 27	80-60-13.5 -W1	215
GKGCTSE090033	90 / 33	90-70-13.5 -W1	219
GKGCTSE100033	100 / 33	100-80-13.5 -W	219

KIT JOINTS POUR PISTON "CTPM" SEAL KITS FOR "CTPM" PISTON

Series P350

GKGCTPM

Code Code	Alésage/Taraudage Bore/Thread	GAF 2x	PDH	O-Ring Dowty	GKS (x2) Dowty
GKGCTPM050021	50 / 21	50x 45x 5.6	103	812	-
GKGCTPM050025	50 / 25	50x 45x 5.6	103	120	-
GKGCTPM060030	60 / 30	60x 55x 5.6	106	217	-
GKGCTPM063030	63 / 30	63x 58x 5.6	108	217	-
GKGCTPM070035	70 / 35	70x 65x 9.7	110	126	-
GKGCTPM070040	70 / 40	70x 65x 9.7	110	129	-
GKGCTPM080040	80 / 40	80x 75x 9.7	113	129	-
GKGCTPM080041	80 / 40	80x 75x 9.7	113	129	-
GKGCTPM090038	90 / 38	90x 85x 9.7	116	128	-
GKGCTPM090043	90 / 43	90x 85x 9.7	116	131	-
GKGCTPM100045	100 / 45	100x 95x 9.7	119	133	-
GKGCTPM110050	110 / 50	100x105x 9.7	120	830	-
GKGCTPM120050	120 / 50	120x115x 9.7	122	830	-
GKGCTPM120054	120 / 54	120x115x 9.7	122	227	-
GKGCTPM125050	125 / 50	125x120x 9.7	123	831	-
GKGCTPM125054	125 / 54	125x120x 9.7	123	227	-
GKGCTPM140050	140 / 50	140x135x 9.7	128	830	-
GKGCTPM140067	140 / 67	140x135x 9.7	128	231	-
GKGCTPM150056	150 / 56	150x145x 9.7	131	834	-
GKGCTPM150067	150 / 67	150x145x 9.7	131	231	-
GKGCTPM160056	160 / 56	160x155x 9.7	132	834	-
GKGCTPM160076	160 / 76	160x155x 9.7	132	234	-
GKGCTPM180090	180 / 90	172x180x20	135	621	621
GKGCTPM200100	200 / 100	192x200x20	137/1	622	622
GKGCTPM220110	220 / 110	212x220x20	138/1	623	623
GKGCTPM250125	250 / 125	240x250x25	140	862	862
GKGCTPM300150	300 / 150	290x300x25	144	870	870

KIT JOINTS POUR PISTON "CTF" SEAL KITS FOR "CTF" PISTON

Series M250

GKGF

Code Code	Alésage/Taraudage Bore/Thread	TPM - TPS/G	O-Ring Dowty
GKGF025010	25 / 10	TPS/G 098066	806
GKGF040016	40 / 16	TPM 157118	017
GKGF050020	50 / 20	TPM 196133	812
GKGF060024	60 / 24	TPM 236173	120
GKGF063024	63 / 24	TPM 248185	120
GKGF070024	70 / 24	TPM 275196	120
GKGF080027	80 / 27	TPM 314236	216
GKGF090033	90 / 33	TPM 354275	220
GKGF100033	100 / 33	TPM 393295	220
GKGF110039	110 / 39	TPM 433334	825
GKGF120042	120 / 42	TPM 472374	827
GKGF125042	125 / 42	TPM 492393	827
GKGF140048	140 / 48	TPM 551452	831
GKGF150048	150 / 48	TPM 590492	831
GKGF160052	160 / 52	TPM 629531	833

GKGCTFV**Series M250****KIT JOINTS POUR PISTON "CTFV"**
SEAL KITS FOR "CTFV" PISTON

Code Code	Alésage/Taraudage Bore/Thread	TPM - TPL - TPS/G	O-Ring Dowty
GKGCTFV025010	25 / 10	TPS/G 098066	806
GKGCTFV030012	30 / 12	TPL 118078	014
GKGCTFV032012	32 / 12	TPS/G 125094	014
GKGCTFV035012	35 / 12	TPM 137098	014
GKGCTFV040016	40 / 16	TPM 157118	017
GKGCTFV045016	45 / 16	TPM 177137	017
GKGCTFV050020	50 / 20	TPM 196133	812
GKGCTFV055020	55 / 20	TPM 216153	812
GKGCTFV060024	60 / 24	TPM 236173	120
GKGCTFV063024	63 / 24	TPM 248185	120
GKGCTFV065024	65 / 24	TPM 255196	120
GKGCTFV070024	70 / 24	TPM 275196	120
GKGCTFV075027	75 / 27	TPM 295216	216
GKGCTFV080027	80 / 27	TPM 314236	216
GKGCTFV085027	85 / 27	TPM 334255	216
GKGCTFV090033	90 / 33	TPM 354275	220
GKGCTFV100033	100 / 33	TPM 393295	220
GKGCTFV110039	110 / 39	TPM 433334	825
GKGCTFV120042	120 / 42	TPM 472374	827
GKGCTFV125042	125 / 42	TPM 492393	827
GKGCTFV140048	140 / 48	TPM 551452	831
GKGCTFV150048	150 / 48	TPM 590492	831
GKGCTFV160052	160 / 52	TPM 629531	833

GKGB**Series M250****KIT JOINTS POUR PISTON "CTBF"**
SEAL KITS FOR "CTBF" PISTON

Code Code	Alésage/Taraudage Bore/Thread	TPS/G - TPL - TPM	O-Ring Dowty
GKGB030012	30 / 12	TPL 118078	014
GKGB032012	32 / 12	TPS/G 125094	014
GKGB035012	35 / 12	TPS/G 137106	014
GKGB040016	40 / 16	TPS/G 157125/1	017
GKGB045016	45 / 16	TPS/G 177145	017
GKGB050020	50 / 20	TPS/G 196157	812
GKGB055020	55 / 20	TPL 216153	812
GKGB060024	60 / 24	TPS/G 236188	120
GKGB063024	63 / 24	TPS/G 248200	120
GKGB065024	65 / 24	TPL 255192	120
GKGB070024	70 / 24	TPS/G 275228	120
GKGB075027	75 / 27	TPS/G 295248	216
GKGB080027	80 / 27	TPS/G 314255	216
GKGB085027	85 / 27	TPM 334255	216
GKGB090033	90 / 33	TPS/G 354299	220
GKGB100033	100 / 33	TPS/G 393334	220

KIT JOINTS POUR PISTON "CTFGV" SEAL KITS FOR "CTFGV" PISTON

Series M250

GKGCTFGV

Code Code	Alésage/Taraudage Bore/Thread	AGE	GER	O-Ring Dowty
GKGCTFGV03012	30 / 12	30x 26x 9.7	0300	014
GKGCTFGV03212	32 / 12	32x 27x 9.7	0320	014
GKGCTFGV03512	35 / 12	35x 30x 9.7	0350	014
GKGCTFGV04016	40 / 16	40x 36x 9.7	0400	017
GKGCTFGV04516	45 / 16	45x 41x 9.7	0450	017
GKGCTFGV05016	50 / 16	50x 44x 9.7	0500	017
GKGCTFGV05520	55 / 20	55x 49x12.8	0550	812
GKGCTFGV06024	60 / 24	60x 54x12.8	0600	120
GKGCTFGV06324	63 / 24	63x 57x12.8	0630	120
GKGCTFGV06524	65 / 24	65x 59x12.8	0650	120
GKGCTFGV07024	70 / 24	70x 64x12.8	0700	120
GKGCTFGV07527	75 / 27	75x 69x12.8	0750	216
GKGCTFGV08027	80 / 27	80x 74x12.8	0800	216
GKGCTFGV08527	85 / 27	85x 79x12.8	0850	216
GKGCTFGV09033	90 / 33	90x 84x12.8	0900	220
GKGCTFGV10033	100 / 33	100x 94x12.8	1000	220
GKGCTFGV11039	110 / 39	100x104x12.8	1100	825
GKGCTFGV12042	120 / 42	120x114x12.8	1200	827
GKGCTFGV12542	125 / 42	125x119x12.8	1250	827
GKGCTFGV14048	140 / 48	140x134x12.8	1400	831
GKGCTFGV15048	150 / 48	150x144x12.8	1500	831
GKGCTFGV16052	160 / 52	160x154x19.2	1600	833

KIT JOINTS POUR PISTON "CTT" SEAL KITS FOR "CTT" PISTON

Series M250

GKGCTT

Code Code	Alésage/Taraudage Bore/Thread	AGE x2
GKGCTT03012	30 / 12	30x 26x 9.6
GKGCTT03514	35 / 14	35x 31x 9.6
GKGCTT04014	40 / 14	40x 36x 9.6
GKGCTT04516	45 / 16	45x 41x 9.6
GKGCTT05020	50 / 20	50x 44x 9.6
GKGCTT05520	55 / 20	55x 49x12.8
GKGCTT06020	60 / 20	60x 54x12.8
GKGCTT07024	70 / 24	70x 64x12.8
GKGCTT08027	80 / 27	80x 74x12.8
GKGCTT08527	85 / 27	85x 79x12.8
GKGCTT09033	90 / 33	90x 84x12.8
GKGCTT10033	100 / 33	100x 94x12.8
GKGCTT11039	110 / 39	110x104x12.8
GKGCTT12039	120 / 39	120x114x12.8

KIT JOINTS POUR PISTON "CTTB" SEAL KITS FOR "CTTB" PISTON

Series M250

GKGCTTB

Code Code	Alésage/Taraudage Bore/Thread	AGE
GKGCTTB03012	30 / 12	30 x 26x 9,6
GKGCTTB03514	35 / 14	35 x 31x 9,6
GKGCTTB04014	40 / 14	40 x 36x 9,6
GKGCTTB04516	45 / 16	45 x 41x 9,6
GKGCTTB05020	50 / 20	50 x 44x 9,6
GKGCTTB05520	55 / 20	55 x 49x12,8
GKGCTTB06020	60 / 20	60 x 54x12,8
GKGCTTB07024	70 / 24	70 x 64x12,8
GKGCTTB08027	80 / 27	80 x 74x12,8
GKGCTTB08527	85 / 27	85 x 79x12,8
GKGCTTB09033	90 / 33	90 x 84x12,8
GKGCTTB10033	100 / 33	100x 94x12,8
GKGCTTB11039	110 / 39	110x104x12,8
GKGCTTB12039	120 / 39	120x114x12,8

GKG

Series M250

POCHETTES DE JOINTS
SEAL KITS

JOINTS POUR VERIN "HMO" SEAL KITS FOR "HMO" CYLINDER		JOINTS POUR TETE DE GUIDAGE "CG" SEAL KITS FOR "CG" HEAD BUSH					JOINTS POUR PISTON "CT" SEAL KITS FOR "CT" PISTON		
Code Code	Alésage/Tige Bore/Rod	Code Code	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty GDS	Code Code	TPM TPS/G - TPL	O-Ring Dowty
GKGF025016	25 / 16	GKCG025016	814	062087	TTI 16-24/L	-	GKGF025010	TPS/G 098066	806
GKG0030016	30 / 16	GKCG030016	025	062087	TTI 16-24/L	120	GKGCT030013	TPL 118078	014
GKG0032016	32 / 16	GKCG032016	120	062087	TTI 16-24/L	121	GKGCT032013	TPS/G 125094	014
GKG0032020	32 / 20	GKCG032020	120	078110	TTI 20-28/L	121	GKGCT032015	TPS/G 125094	616
GKG0035020	35 / 20	GKCG035020	122	078110	TTI 20-28/L	216	GKGCT035015	TPM 137098	616
GKG0035022	35 / 22	GKCG035022	122	086118	TTS 545	216	GKGCT035015	TPM 137098	616
GKG0040020	40 / 20	GKCG040020	126	078110	TTI 20-28/L	219	GKGCT040015	TPM 157118	616
GKG0040022	40 / 22	GKCG040022	126	086118	TTS 545	219	GKGCT040015	TPM 157118	616
GKG0040025	40 / 25	GKCG040025	126	098129	TTI 25-33/L	219	GKGCT040015	TPM 157118	616
GKG0040028	40 / 28	GKCG040028	126	110141	TTI 28-36	219	GKGCT040015	TPM 157118	616
GKG0045022	45 / 22	GKCG045022	130	086118	TTS 545	222	GKGCT045015	TPM 177137	616
GKG0045025	45 / 25	GKCG045025	130	098129	TTI 25-33/L	222	GKGCT045015	TPM 177137	616
GKG0050020	50 / 20	GKCG050020	132	078110	TTI 20-28/L	826	GKGCT050015	TPM 196133	616
GKG0050025	50 / 25	GKCG050025	132	098129	TTI 25-35/L	826	GKGCT050020	TPM 196133	117
GKG0050028	50 / 28	GKCG050028	132	110141	TTI 28-36	826	GKGCT050020	TPM 196133	117
GKG0050030	50 / 30	GKCG050030	132	118149	TTI 30-40/1L	826	GKGCT050020	TPM 196133	117
GKG0050032	50 / 32	GKCG050032	132	125157	TTI 32-42	826	GKGCT050020	TPM 196133	117
GKG0051035	50 / 35	GKCG051035	132	137169	TTS 596	826	GKGCT050020	TPM 196133	117
GKG0050035	50 / 35	GKCG050035	132	137169	TTS 596	132	GKGCT050020	TPM 196133	117
GKG0055025	55 / 25	GKCG055025	135	098128	TTI 25-35/L	830	GKGCT055020	TPM 216153	117
GKG0055030	55 / 30	GKCG055030	135	118149	TTI 30-40/1L	830	GKGCT055020	TPM 216153	117
GKG0055035	55 / 35	GKCG055035	135	137169	TTI 35-45/L	830	GKGCT055020	TPM 216153	117
GKG0060025	60 / 25	GKCG060025	138	098129	TTI 25-35/L	832	GKGCT060020	TPM 236173	117
GKG0060030	60 / 30	GKCG060030	138	118149	TTI 30-40/1L	832	GKGCT060020	TPM 236173	117
GKG0060035	60 / 35	GKCG060035	138	137169	TTI 35-45/L	832	GKGCT060020	TPM 236173	117
GKG0060040	60 / 40	GKCG060040	138	157188	TTI 40-48/L	832	GKGCT060027	TPM 236173	215
GKG0060045	60 / 45	GKCG060045	138	177208	TTI 45-55/2L	832	GKGCT060027	TPM 236173	215
GKG0063030	63 / 30	GKCG063030	140	118149	TTI 30-40/1L	835	GKGCT063020	TPM 248185	117
GKG0063032	63 / 32	GKCG063032	140	125157	TTI 32-42	835	GKGCT063020	TPM 248185	117
GKG0063035	63 / 35	GKCG063035	140	137169	TTI 35-45/L	835	GKGCT063020	TPM 248185	117
GKG0063036	63 / 36	GKCG063036	140	141173	TTI 36-44/L	835	GKGCT063024	TPM 248185	814
GKG0063040	63 / 40	GKCG063040	140	157188	TTI 40-48/L	835	GKGCT063024	TPM 248185	814
GKG0063045	63 / 45	GKCG063045	140	177208	TTI 45-55/2L	835	GKGCT063024	TPM 248185	814
GKG0065030	65 / 30	GKCG065030	141	118149	TTI 30-40/1L	836	GKGCT065020	TPM 255196	117
GKG0065035	65 / 35	GKCG065035	141	137169	TTI 35-45/L	836	GKGCT065020	TPM 255196	117
GKG0065040	65 / 40	GKCG065040	141	157188	TTI 40-48/L	836	GKGCT065024	TPM 255196	814
GKG0065045	65 / 45	GKCG065045	141	177208	TTS 634	836	GKGCT065024	TPM 255196	814
GKG0070025	70 / 25	GKCG070025	145	098129	TTI 25-35/L	839	GKGCT070020	TPM 275196	117
GKG0070030	70 / 30	GKCG070030	145	118149	TTI 30-40/1L	839	GKGCT070020	TPM 275196	117
GKG0070035	70 / 35	GKCG070035	145	137169	TTI 35-45/L	839	GKGCT070020	TPM 275196	117
GKG0070040	70 / 40	GKCG070040	145	157188	TTI 40-50/3L	839	GKGCT070027	TPM 275196	215
GKG0070045	70 / 45	GKCG070045	145	177208	TTI 45-55/2L	839	GKGCT070027	TPM 275196	215
GKG0070050	70 / 50	GKCG070050	145	196228	TTI 50-60/L	839	GKGCT070027	TPM 275196	215
GKG0075030	75 / 30	GKCG075030	146	118149	TTI 30-40/1L	842	GKGCT075024	TPM 295216	814
GKG0075035	75 / 35	GKCG075035	146	137169	TTI 35-45/L	842	GKGCT075024	TPM 295216	814
GKG0075040	75 / 40	GKCG075040	146	157188	TTI 40-50/3L	842	GKGCT075027	TPM 295216	215
GKG0075045	75 / 45	GKCG075045	146	177208	TTI 45-55/2L	842	GKGCT075027	TPM 295216	215
GKG0080030	80 / 30	GKCG080030	149	118149	TTI 30-40/1L	GDS 845	GKGCT080024	TPM 314236	814
GKG0080035	80 / 35	GKCG080035	149	137169	TTI 35-45/L	GDS 845	GKGCT080024	TPM 314236	814
GKG0080040	80 / 40	GKCG080040	149	157188	TTI 40-50/3L	GDS 845	GKGCT080027	TPM 314236	215
GKG0080045	80 / 45	GKCG080045	149	177208	TTI 45-55/2L	GDS 845	GKGCT080027	TPM 314236	215
GKG0080050	80 / 50	GKCG080050	149	196228	TTI 50-60/L	GDS 845	GKGCT080027	TPM 314236	215
GKG0080055	80 / 55	GKCG080055	149	216248	TTS 668	GDS 845	GKGCT080027	TPM 314236	215
GKG0080060	80 / 60	GKCG080060	149	236267	TSE 283236	GDS 845	GKGCT080027	TPM 314236	215
GKG0085035	85 / 35	GKCG085035	151	137169	TTI 35-45/L	619	GKGCT085024	TPM 334255	814
GKG0085040	85 / 40	GKCG085040	151	157188	TTI 40-50/3L	619	GKGCT085027	TPM 334255	215
GKG0085045	85 / 45	GKCG085045	151	177208	TTI 45-55/2L	619	GKGCT085027	TPM 334255	215
GKG0085050	85 / 50	GKCG085050	151	196228	TTI 50-60/L	619	GKGCT085027	TPM 334255	215

KIT JOINTS POUR PISTON "CTFS"
SEAL KITS FOR "CTFS" PISTON

Series P300

GKGCTFS

Code Code	Alésage/Taraudage Bore/Thread	KPD	GAF	O-Ring Dowty
GKGCTFS03012	30 / 12	KPD 30-22,5-3,2	n°2 25x 30x 5,6	014
GKGCTFS03214	32 / 14	KPD 32-24,5-3,2	n°2 28x 32x 6,3	016
GKGCTFS03514	35 / 14	KPD 35-24,0-4,2	n°2 30x 35x 5,6	016
GKGCTFS04016	40 / 16	KPD 40-29,0-4,2	n°2 35x 40x 5,6	017
GKGCTFS05020	50 / 20	KPD 50-39,0-4,2	n°2 45x 50x 5,6	812
GKGCTFS05024	50 / 24	KPD 50-39,0-4,2	n°2 45x 50x 5,6	120
GKGCTFS06024	60 / 24	KPD 60-49,0-4,2	n°2 55x 60x 9,7	120
GKGCTFS06324	63 / 24	KPD 63-52,0-4,2	n°2 58x 63x 9,7	120
GKGCTFS06333	63 / 33	KPD 63-52,0-4,2	n°2 58x 63x 9,7	220
GKGCTFS07027	70 / 27	KPD 70-59,0-4,2	n°2 65x 70x 9,7	216
GKGCTFS08030	80 / 30	KPD 80-64,5-6,3	n°2 75x 80x 9,7	218
GKGCTFS09036	90 / 36	KPD 90-74,5-6,3	n°2 85x 90x 9,7	222
GKGCTFS10039	100 / 39	KPD 100-84,5-6,3	n°2 95x100x 9,7	825

KIT JOINTS POUR PISTON "CTC"
SEAL KITS FOR "CTC" PISTON

Series P300

GKGCTC

Code Code	Alésage Bore	KPD	GAF x2
GKGCTC0400	40	KPD 40-29,0-4,2	35x 40x 5,6
GKGCTC0500	50	KPD 50-39,0-4,2	45x 50x 9,7
GKGCTC0600	60	KPD 60-49,0-4,2	55x 60x 9,7
GKGCTC0630	63	KPD 63-52,0-4,2	58x 63x 9,7
GKGCTC0700	70	KPD 70-59,0-4,2	65x 70x 9,7
GKGCTC0800	80	KPD 80-64,5-6,3	75x 80x 9,7
GKGCTC0900	90	KPD 90-74,5-6,3	85x 90x 9,7
GKGCTC1000	100	KPD 100-84,5-6,3	95x100x 9,7

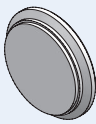
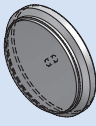
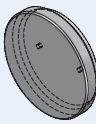
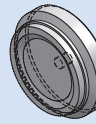
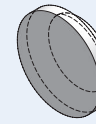
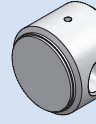
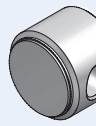
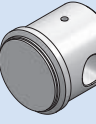
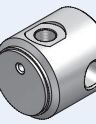
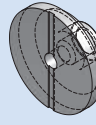
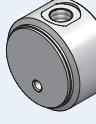
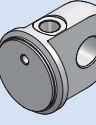
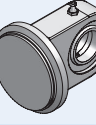
GKG
Series M250
**POCHETTES DE JOINTS
SEAL KITS**

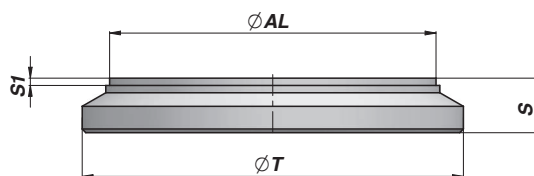
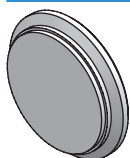
JOINTS POUR VERIN "HMO" SEAL KITS FOR "HMO" CYLINDER		JOINTS POUR TETE DE GUIDAGE "CG" SEAL KITS FOR "CG" HEAD BUSH					JOINTS POUR PISTON "CT" SEAL KITS FOR "CT" PISTON		
Code Code	Alésage/Tige Bore/Rod	Code Code	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty GDS	Code Code	TPM TPS/G - TPL	O-Ring Dowty
GKG0090040	90 / 40	GKGC0900040	152	157188	TTI 40-50/3L	GDS 620	GKGCT090027	TPM 354275	215
GKG0090045	90 / 45	GKGC0900045	152	177208	TTI 45-55/2L	GDS 620	GKGCT090027	TPM 354275	215
GKG0090050	90 / 50	GKGC0900050	152	196228	TTI 50-60/L	GDS 620	GKGCT090033	TPM 354275	219
GKG0090060	90 / 60	GKGC0900060	152	236267	TSE 283236	GDS 620	GKGCT090033	TPM 354275	219
GKG0100040	100 / 40	GKGC0100040	153	157188	TTI 40-50/3L	GDS 621	GKGCT100027	TPM 393295	215
GKG0100045	100 / 45	GKGC0100045	153	177208	TTI 45-55/2L	GDS 621	GKGCT100027	TPM 393295	215
GKG0100050	100 / 50	GKGC0100050	153	196228	TTI 50-60/L	GDS 621	GKGCT100033	TPM 393295	219
GKG0100055	100 / 55	GKGC0100055	153	216248	TTS 668	GDS 621	GKGCT100033	TPM 393295	219
GKG0100060	100 / 60	GKGC0100060	153	236267	TSE 283236	GDS 621	GKGCT100033	TPM 393295	219
GKG0100063	100 / 63	GKGC0100063	153	248279	TTI 63-75/L	GDS 621	GKGCT100033	TPM 393295	219
GKG0100070	100 / 70	GKGC0100070	153	275307	TSE 334275/1	GDS 621	GKGCT100033	TPM 393295	219
GKG0110045	110 / 45	GKGC0110045	154	177208	TTI 45-55/2L	GDS 622	GKGCT110040	TPM 433334	824
GKG0110050	110 / 50	GKGC0110050	154	196228	TTI 50-60/L	GDS 622	GKGCT110040	TPM 433334	824
GKG0110060	110 / 60	GKGC0110060	154	236267	TSE 283236	GDS 622	GKGCT110040	TPM 433334	824
GKG0110070	110 / 70	GKGC0110070	154	275307	TSE 334275/1	GDS 622	GKGCT110040	TPM 433334	824
GKG0120050	120 / 50	GKGC0120050	156	196228	TTI 50-60/L	GDS 623	GKGCT120040	TPM 472374	824
GKG0120060	120 / 60	GKGC0120060	156	236267	TSE 283236	GDS 623	GKGCT120040	TPM 472374	824
GKG0120070	120 / 70	GKGC0120070	156	275322	TSE 334275/1	GDS 623	GKGCT120040	TPM 472374	824
GKG0120080	120 / 80	GKGC0120080	156	314346	TSE 377314/AI	GDS 623	GKGCT120040	TPM 472374	824
GKG0125060	125 / 60	GKGC0125060	157	236267	TSE 283236	GDS 349	GKGCT125040	TPM 492393	824
GKG0125070	125 / 70	GKGC0125070	157	275322	TSE 334275/1	GDS 349	GKGCT125040	TPM 492393	824
GKG0125080	125 / 80	GKGC0125080	157	314346	TSE 377314/AI	GDS 349	GKGCT125040	TPM 492393	824
GKG0125090	125 / 90	GKGC0125090	157	354401	TSE 413354/1/AI	GDS 349	GKGCT125040	TPM 492393	824
GKG0140070	140 / 70	GKGC0140070	159	275322	TSE 334275/1	GDS 864	GKGCT140040	TPM 551452	824
GKG0140080	140 / 80	GKGC0140080	159	314346	TSE 377314/AI	GDS 864	GKGCT140040	TPM 551452	824
GKG0150070	150 / 70	GKGC0150070	160	275322	TSE 334275/1	GDS 867	GKGCT150040	TPM 590492	824
GKG0150080	150 / 80	GKGC0150080	160	314346	TSE 377314/AI	GDS 867	GKGCT150040	TPM 590492	824
GKG0160080	160 / 80	GKGC0160080	161	314346	TSE 377314/AI	GDS 870	GKGCT160051	TPM 629531	831
GKG0160090	160 / 90	GKGC0160090	161	354401	TSE 413354/1/AI	GDS 870	GKGCT160051	TPM 629531	831

GKG
Series M250
**POCHETTES DE JOINTS
SEAL KITS**

JOINTS POUR VERIN "HMO" SEAL KITS FOR "HMO" CYLINDER		JOINTS POUR TETE DE GUIDAGE "CG" SEAL KITS FOR "CG" HEAD BUSH						JOINTS POUR PISTON "CT" SEAL KITS FOR "CT" PISTON		
Code Code	Alésage/Tige Bore/Rod	Code Code	O-Ring Dowty	GHK	TTI-L TTS - TSE	O-Ring Dowty GDS	AGI x3	Code Code	TDE	O-Ring Dowty
GKG1180100	180 /100	GKGC03180100	262	393440	TSE 444393/AI	628	100	GKG11180F80	TDE 708590	339
GKG1180120	180 /120	GKGC03180120	262	472519	TSE 531472/AI	628	120	GKG11180F80	TDE 708590	339
GKG1200100	200 /100	GKGC03200100	265	393440	TSE 444393/AI	882	100	GKG11200F80	TDE 787669	339
GKG1200120	200 /120	GKGC03200120	265	472519	TSE 531472/AI	882	120	GKG11200F80	TDE 787669	339
GKG1250120	250 /120	GKGC03250120	272	472519	TSE 531472/AI	678	120	GKG11250F98	TDE 984866	345
GKG1250150	250 /150	GKGC03250150	272	590637	TSE 669590/AI	678	150	GKG11250F98	TDE 984866	345

FOND END PLUGS

	Description - Description	Type	Page
	FOND END PLUG	CF	80
	FOND AVEC CENTRAGE END PLUG WITH CENTERING	CFC	81
	FOND INTERNE FILETE INTERNAL THREADED END PLUG	CF30	81
	FOND END PLUG	CFPM	82
	FOND INTERNE INTERNAL END PLUG	CFI	83
	FOND PERCE END PLUG WITH HOLE	CFHR	84
	FOND PERCE END PLUG WITH HOLE	CFO	85
	FOND PERCE END PLUG WITH HOLE	CFHRT	85
	FOND PERCE AVEC ENTREE HUILE END PLUG WITH CROSS HOLE AND INLET PORT	CFE	85
	FOND AVEC ENTREE HUILE END PLUG WITH INLET PORT	CHMSCFI	86
	FOND AVEC ENTREE HUILE END PLUG WITH INLET PORT	CFVP	86
	FOND PERCE A CHARNIERE ET ENTREE HUILE HINGE END PLUG WITH CROSS HOLE AND INLET PORT	CFB	87
	FOND AVEC EMBOUT A ROTULE AVEC GRAISSEUR END PLUG WITH BALL-JOINT END WITH GREASE NIPPLE	CSTSNF	87



Code Code	ØAL	ØT	S	S1	kg	Boîte Box	Pcs Pcs
CF00025035	25	35	7	2	0,04	Z0CCF00025035	250
CF00030040	30	40	8	2	0,06	Z0CCF00030040	250
CF00032042	32	42	8	2	0,10	Z0CCF00032042	250
CF00035045	35	45	10	2	0,11	Z0BCF00035045	200
CF00040050	40	50	10	2	0,13	Z0ACF00040050	150
CF00045055	45	55	10	2	0,16	Z00CF00045055	100
CF00050060	50	60	10	2	0,19	Z00CF00050060	100
CF00055065	55	65	12	2	0,28	Z50CF00055065	50
CF00060070	60	70	12	2	0,33	Z50CF00060070	50
CF00063073	63	73	12	2	0,35	Z50CF00063073	50
CF00065075	65	75	12	2	0,38	Z50CF00065075	50
CF00065080	65	80	12	2	0,40	Z50CF00065080	50
CF00070080	70	80	12	2	0,43	Z50CF00070080	50
CF00070085	70	85	12	2	0,45	Z25CF00070085	25
CF00075090	75	90	12	2	0,53	Z25CF00075090	25
CF00080090	80	90	12	2	0,55	Z25CF00080090	25
CF00080095	80	95	12	2	0,58	Z25CF00080095	25
CF00085100	85	100	15	2	0,77	Z25CF00085100	25
CF00090105	90	105	15	2	0,86	Z25CF00090105	25
CF00100115	100	115	15	2	1,05	Z25CF00100115	25
CF00110125	110	125	15	2	1,34	Z15CF00110125	15
CF00110130	110	130	15	2	1,40	Z15CF00110130	15
CF00120140	120	140	18	2	2,00	Z10CF00120140	10
CF00125145	125	145	18	2	2,11	Z10CF00125145	10
CF00140160	140	160	18	2	2,67		
CF00150170	150	170	20	2	3,33		
CF00160180	160	180	20	2	3,79		

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

EN CAS DE PICS DE PRESSION NOUS VOUS RECOMMANDONS DE SOUDER DES FIXATIONS POUR EVITER DEFORMATIONS DU FOND.

EN VARIANTE VOUS POUVEZ EMPLOYER LES FONDS INTERNES TYPE "CFI"

THESE PLUGS CAN BEND UNDER PEAK PRESSURE.

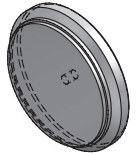
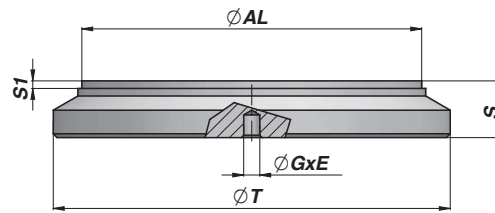
WE RECOMMEND TO WELD ENDS TO ACHIEVE EXTRA RIGIDITY OTHERWISE USE INTERNAL END PLUGS "CFI" TYPE.

EN CAS DE TRAVAIL INTENSIF, ON VOUS CONSEILLE D'UTILISER LES FONDS SERIE "CFPM"

IN CASE OF CONTINUOUS WORK PLEASE USE "CFPM" END PLUGS.

FOND AVEC CENTRAGE
END PLUG WITH CENTERING

CFC



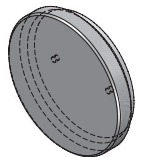
Code Code	ØAL	ØT	S	S1	ØG x E	kg	Boîte Box	Pcs Pcs
CFC0025035	25	35	7	2	Ø 3.25 x 3	0,04	Z0CCFC0025035	250
CFC0030040	30	40	8	2	Ø 4.25 x 5	0,06	Z0CCFC0030040	250
CFC0032042	32	42	8	2	Ø 4.25 x 5	0,06	Z0CCFC0032042	250
CFC0035045	35	45	10	2	Ø 4.25 x 5	0,10	Z0BCFC0035045	200
CFC0040050	40	50	10	2	Ø 4.25 x 5	0,13	Z0ACFC0040050	150
CFC0045055	45	55	10	2	Ø 4.25 x 5	0,16	Z00CFC0045055	100
CFC0050060	50	60	10	2	Ø 4.25 x 5	0,19	Z00CFC0050060	100
CFC0055065	55	65	12	2	Ø 4.25 x 6	0,28	Z50CFC0055065	50
CFC0060070	60	70	12	2	Ø 4.25 x 6	0,33	Z50CFC0060070	50
CFC0063073	63	73	12	2	Ø 4.25 x 6	0,40	Z50CFC0063073	50
CFC0065075	65	75	12	2	Ø 4.25 x 6	0,38	Z50CFC0065075	50
CFC0065080	65	80	12	2	Ø 4.25 x 6	0,40	Z50CFC0065080	50
CFC0070080	70	80	12	2	Ø 4.25 x 6	0,43	Z50CFC0070080	50
CFC0070085	70	85	12	2	Ø 4.25 x 6	0,45	Z25CFC0070085	25
CFC0075090	75	90	12	2	Ø 4.25 x 6	0,53	Z25CFC0075090	25
CFC0080090	80	90	12	2	Ø 4.25 x 6	0,55	Z25CFC0080090	25
CFC0080095	80	95	12	2	Ø 4.25 x 6	0,58	Z25CFC0080095	25
CFC0085100	85	100	15	2	Ø 4.25 x 6	0,77	Z25CFC0085100	25
CFC0090105	90	105	15	2	Ø 4.25 x 6	0,90	Z25CFC0090105	25
CFC0100115	100	115	15	2	Ø 4.25 x 6	1,05	Z25CFC0100115	25
CFC0110125	110	125	15	2	Ø 6.25 x 8	1,34	Z15CFC0110125	15
CFC0110130	110	130	15	2	Ø 6.25 x 8	1,40	Z15CFC0110130	15
CFC0120140	120	140	18	2	Ø 6.25 x 8	2,00	Z10CFC0120140	10
CFC0125145	125	145	18	2	Ø 6.25 x 8	2,11	Z10CFC0125145	10
CFC0140160	140	160	18	2	Ø 6.25 x 8	2,62		
CFC0150170	150	170	20	2	Ø 6.25 x 8	3,32		
CFC0160180	160	180	20	2	Ø 6.25 x 8	3,74		

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

FOND INTERNE FILETE
INTERNAL THREADED END PLUG

CF30

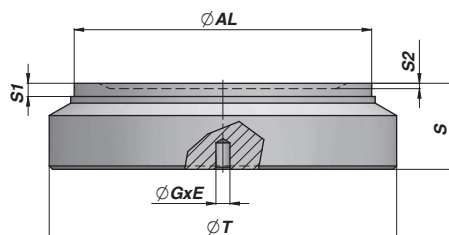
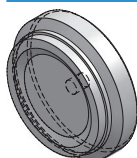


Code Code	ØAL	F	S	kg
CF00180185	180	M185x2.5	35	6,85
CF00200205	200	M205x2.5	48	11,60
CF00220228	220	M228x2.5	48	14,51
CF00250255	250	M255x2.5	48	18,18
CF00300308	300	M308x3	60	32,99

Ø AL = TUBE: ALESAGE - TUBE: BORE

MATERIEL : ACIER UNI C40

MATERIAL : STEEL UNI C40



Code Code	ØAL	ØT	S	S1	S2	ØG x E	kg	Boîte Box	Pcs Pcs
CFPM060050017	50	60	17	4	2	ø 4.25 x 6	0,31	Z50CFPM060050	50
CFPM065050017	50	65	17	4	-	ø 4.25 x 6	0,36	Z50CFPM065050	50
CFPM065050020 (A)	50	65	20	2	-	ø 4.25 x 6	0,46	Z50CFPM065051	50
CFPM070060019	60	70	19	4	2	ø 4.25 x 6	0,50	Z50CFPM070060	50
CFPM075060019	60	75	19	4	-	ø 4.25 x 6	0,56	Z25CFPM075060	25
CFPM075060020 (A)	60	75	20	2	-	ø 4.25 x 6	0,62	Z25CFPM075061	25
CFPM075063019	63	75	19	4	-	ø 4.25 x 6	0,59	Z25CFPM075063	25
CFPM075063022 (A)	63	75	22	2	-	ø 4.25 x 6	0,71	Z25CFPM075064	25
CFPM080070022	70	80	22	4	2	ø 4.25 x 6	0,77	Z20CFPM080070	20
CFPM085070022	70	85	22	4	2	ø 4.25 x 6	0,84	Z20CFPM085070	20
CFPM085070028 (A)	70	85	28	2	-	ø 4.25 x 6	1,17	Z20CFPM085071	20
CFPM090075022	75	90	22	4	-	ø 4.25 x 6	0,98	Z20CFPM090075	20
CFPM095080025	80	95	25	4	2	ø 4.25 x 6	1,22	Z20CFPM095080	20
CFPM100080025	80	100	25	4	2	ø 4.25 x 6	1,31	Z10CFPM100080	10
CFPM100080030 (A)	80	100	30	2	-	ø 4.25 x 6	1,71	Z10CFPM100081	10
CFPM100085025	85	100	25	4	-	ø 4.25 x 6	1,41	Z10CFPM100085	10
CFPM105090026	90	105	26	4	-	ø 4.25 x 6	1,63	Z10CFPM105090	10
CFPM110090026	90	110	26	4	-	ø 4.25 x 6	1,73	Z10CFPM110090	10
CFPM110090035 (A)	90	110	35	2	-	ø 4.25 x 6	2,45	Z10CFPM110091	10
CFPM115100030	100	115	30	4	2	ø 6.25 x 8	2,22	Z10CFPM115100	10
CFPM120100030	100	120	30	4	2	ø 6.25 x 8	2,36	Z06CFPM120100	6
CFPM120100035 (A)	100	120	35	2	-	ø 6.25 x 8	2,93	Z06CFPM120101	6
CFPM125110031	110	125	31	7	-	ø 6.25 x 8	2,74	Z06CFPM125110	6
CFPM130110031	110	130	31	7	-	ø 6.25 x 8	2,87	Z06CFPM130110	6
CFPM130110038 (A)	110	130	38	2	-	ø 6.25 x 8	3,77	Z06CFPM130111	6
CFPM140120034	120	140	34	7	-	ø 6.25 x 8	3,72	Z06CFPM140120	6
CFPM145120034	120	145	34	7	-	ø 6.25 x 8	3,87	Z04CFPM145120	4
CFPM145120042 (A)	120	145	42	2	-	ø 6.25 x 8	5,15	Z04CFPM145121	4
CFPM145125035	125	145	35	7	-	ø 6.25 x 8	4,13	Z04CFPM145125	4
CFPM145125045 (A)	125	145	45	2	-	ø 6.25 x 8	5,62	Z04CFPM145126	4
CFPM150125035	125	150	35	7	-	ø 6.25 x 8	4,30		
CFPM160140040	140	160	40	7	-	ø 6.25 x 8	5,86		
CFPM165140050 (A)	140	165	50	2	-	ø 6.25 x 8	8,06		
CFPM170140040	140	170	40	7	-	ø 6.25 x 8	6,34		
CFPM170150042	150	170	42	7	-	ø 6.25 x 8	7,00		
CFPM180150042	150	180	42	7	-	ø 6.25 x 8	7,55		
CFPM180150060 (A)	150	180	60	2	-	ø 6.25 x 8	11,51		
CFPM180160045	160	180	45	7	-	ø 6.25 x 8	8,48		
CFPM190160045	160	190	45	10	-	ø 6.25 x 8	8,92		
CFPM190160065 (A)	160	190	65	2	-	ø 6.25 x 8	13,96		-

(A) = Conçu suivant le standard DNV PART 4 CHAPTER 7 RULES SHIPS / HIGH SPEED, LIGHT CRAFT AND NAVAL SURFACE CRAFT – PRESSURE

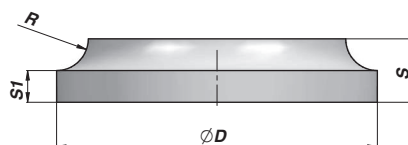
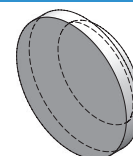
(A) = Designed in accordance with the norm DNV PART 4 CHAPTER 7 RULES SHIPS / HIGH SPEED, LIGHT CRAFT AND NAVAL SURFACE CRAFT – PRESSURE

MATÉRIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

FOND INTERNE
INTERNAL END PLUG

CFI

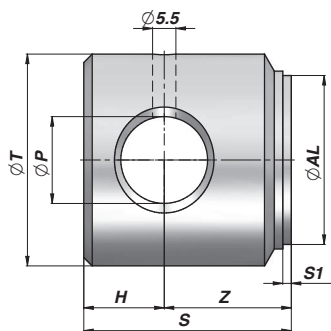
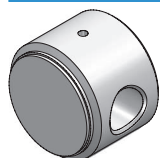


Code Code	ØAL	ØD	S	S1	R	kg	Boîte Box	Pcs Pcs
CFI0260008	25	26	8	4.0	4.0	0,03	Z0BCFI0260008	200
CFI0310010	30	31	10	5.0	5.0	0,05	Z0BCFI0310010	200
CFI0330010	32	33	10	5.0	5.0	0,05	Z0BCFI0330010	200
CFI0360010	35	36	10	5.0	5.0	0,06	Z00CFI0360010	100
CFI0410012	40	41	12	5.0	7.0	0,09	Z00CFI0410012	100
CFI0460012	45	46	12	5.0	7.0	0,12	Z00CFI0460012	100
CFI0510012	50	51	12	5.0	7.0	0,15	Z00CFI0510012	100
CFI0560015	55	56	15	7.0	8.0	0,23	Z50CFI0560015	50
CFI0610015	60	61	15	7.0	8.0	0,27	Z50CFI0610015	50
CFI0640015	63	64	15	7.0	8.0	0,30	Z50CFI0640015	50
CFI0660015	65	66	15	7.0	8.0	0,33	Z50CFI0660015	50
CFI0710015	70	71	15	7.5	7.5	0,39	Z50CFI0710015	50
CFI0760017	75	76	17	9.0	8.0	0,52	Z25CFI0760017	25
CFI0810017	80	81	17	9.0	8.0	0,60	Z25CFI0810017	25
CFI0860017	85	86	17	9.0	8.0	0,68	Z25CFI0860017	25
CFI0910017	90	91	17	9.0	8.0	0,80	Z25CFI0910017	25
CFI1010020	100	101	20	10.0	10.0	1,10	Z20CFI1010020	20
CFI1110022	110	111	22	11.0	11.0	1,43	Z10CFI1110022	10
CFI1210024	120	121	24	12.0	12.0	1,86	Z06CFI1210024	6
CFI1260024	125	126	24	12.0	12.0	2,03	Z06CFI1260024	6
CFI1410030	140	141	30	17.0	13.0	3,25	Z05CFI1410030	5
CFI1510035	150	151	35	20.0	15.0	4,32		
CFI1610040	160	161	40	25.0	15.0	5,75		

Ø AL = TUBE: ALESAGE - TUBE: BORE

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)
 MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

POUR VERIN AVEC BRIDE
 FOR CYLINDER WITH FLANGE



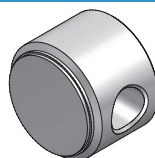
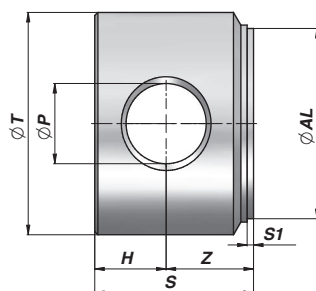
Code Code	ØAL	ØT	ØP	Z	H	S	S1	kg	Boîte Box	Pcs Pcs
CFHR035025	25	35	12.10	18	12	30	2	0,18	Z00CFHR035025	100
CFHR030014030	30	40	14.10	16	14	30	2	0,23	Z00CFHR030014030	100
CFHR040032	32	40	16.20	23	17	40	2	0,32	Z50CFHR040032	50
CFHR035016035	35	45	16.10	20	15	35	2	0,34	Z50CFHR035016035	50
CFHR040020040	40	50	20.25	22	18	40	2	0,50	Z25CFHR040020040	25
CFHR050040	40	50	20.50	30	19	49	2	0,60	Z25CFHR050040	25
CFHR045020045	45	55	20.25	25	20	45	2	0,67	Z25CFHR045020045	25
CFHR050025049	50	60	25.25	27	22	49	2	0,80	Z12CFHR050025049	12
CFHR050023050	50	60	23.10	28	22	50	2	0,90	Z25CFHR050023050	25
CFHR060050	50	60	25.50	45	25	70	2	1,28	Z12CFHR060050	12
CFHR055025050	55	65	25.25	28	22	50	2	1,01	Z20CFHR055025050	20
CFHR060025047	60	70	25.25	25	22	47	2	1,10	Z12CFHR060025047	12
CFHR070060	60	70	25.50	27	25	52	2	1,25	Z12CFHR070060	12
CFHR060030047	60	70	30.25	25	22	47	2	0,99	Z20CFHR060030047	20
CFHR063025053	63	73	25.25	30	23	53	2	1,41	Z10CFHR063025053	10
CFHR063030053	63	73	30.25	30	23	53	2	1,29	Z10CFHR063030053	10
CFHR065025050	65	75	25.25	28	22	50	2	1,40	Z10CFHR065025050	10
CFHR070030063	70	80	30.25	35	28	63	2	2,00	Z10CFHR070030063	10
CFHR080070	70	80	30.50	37	25	62	2	1,94	Z10CFHR080070	10
CFHR075030060	75	90	30.25	35	25	60	2	2,41	Z05CFHR075030060	5
CFHR080030060	80	90	30.25	32	28	60	2	2,40	Z05CFHR080030060	5
CFHR090080	80	90	30.50	37	25	62	2	2,52	Z05CFHR090080	5
CFHR080040060	80	90	40.25	32	28	60	2	2,07	Z05CFHR080040060	5
CFHR085035063	85	100	35.25	35	28	63	2	3,03	Z05CFHR085035063	5
CFHR090035063	90	105	35.25	35	28	63	2	3,38	Z05CFHR090035063	5
CFHR090040063	90	105	40.25	35	28	63	2	3,15	Z05CFHR090040063	5
CFHR100030063	100	115	30.25	35	28	63	2	4,40	Z05CFHR100030063	5
CFHR115100	100	115	30.50	36	34	70	2	4,90	Z05CFHR115100	5
CFHR100040063	100	115	40.25	35	28	63	2	3,89	Z05CFHR100040063	5
CFHR110040075	110	125	40.25	40	35	75	2	5,87	Z03CFHR110040075	3
CFHR110050075	110	125	50.50	40	35	75	2	5,17	Z03CFHR110050075	3
CFHR120050095	120	140	50.50	50	45	95	2	9,13	Z02CFHR120050095	2
CFHR120060095	120	140	60.50	50	45	95	2	8,18	Z02CFHR120060095	2
CFHR125050095	125	145	50.50	50	45	95	2	9,85	Z02CFHR125050095	2
CFHR125060095	125	145	60.50	50	45	95	2	8,90	Z02CFHR125060095	2
CFHR140060110	140	160	60.50	60	50	110	2	13,58		
CFHR140070110	140	160	70.50	60	50	110	2	12,34		
CFHR150070130	150	170	70.50	75	55	130	2	17,81		
CFHR160080140	160	180	80.50	75	65	140	2	20,68		

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)
 MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

SUR DEMANDE : GRAISSEUR VOIR PAGE 89
 ON REQUEST : GREASE NIPPLE SEE PAGE 89

FOND PERCE
END PLUG WITH HOLE

CFO



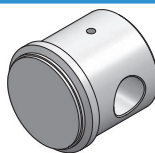
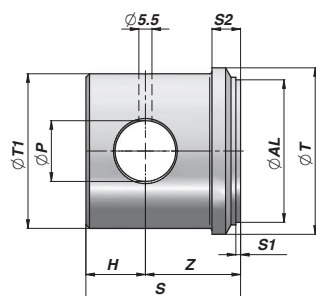
Code Code	ØAL	ØT	ØP	Z	H	S	S1	kg	Boîte Box	Pcs Pcs
CF04005016	40	50	16.20	20.0	15.0	35	2	0.42	Z50CF04005016	50
CF05006020	50	60	20.25	25.0	20.0	45	2	0.80	Z20CF05006020	20
CF06007025	60	70	25.25	27.5	22.5	50	2	1.20	Z20CF06007025	20
CF07008025	70	80	25.25	27.5	22.5	50	2	1.60	Z10CF07008025	10
CF08009530	80	95	30.25	35.0	25.0	60	2	2.70	Z05CF08009530	5
CF10011535	100	115	35.25	40.0	30.0	70	2	4.70	Z05CF10011535	5

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

FOND PERCE
END PLUG WITH HOLE

CFHRT



Code Code	ØAL	ØT	ØP	Z	H	S	S1	ØT1	S2	kg	Boîte Box	Pcs Pcs
CFHRT07060	60	70	25.50	40	25	65	2	65	12	1.48	Z12CFHRT07060	12
CFHRT08070	70	80	25.25	35	25	60	2	75	10	1.79	Z10CFHRT08070	10
CFHRT09080	80	90	30.25	40	30	70	2	85	10	2.64	Z05CFHRT09080	5

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

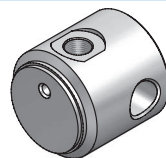
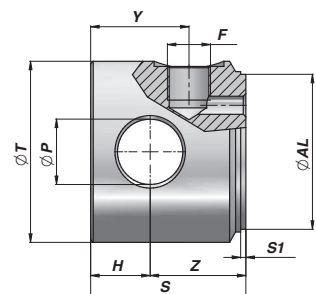
MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

SUR DEMANDE : GRAISSEUR VOIR PAGE 89

ON REQUEST : GREASE NIPPLE SEE PAGE 89

FOND PERCE AVEC ENTREE HUILE
END PLUG WITH CROSS HOLE AND INLET PORT

CFE

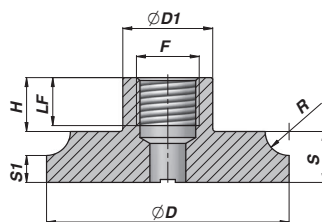
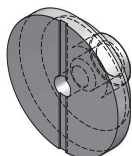


Code Code	ØAL	ØT	ØP	Z	H	F BSP	Y	S	S1	kg	Boîte Box	Pcs Pcs
CFE0400504	40	50	16.20	35	15	1/4"	30	50	2	0.60	Z25CFE0400504	25
CFE0500606	50	60	20.25	40	20	3/8"	38	60	2	1.10	Z10CFE0500606	10
CFE0600706	60	70	25.25	37	23	3/8"	38	60	2	1.40	Z10CFE0600706	10
CFE0700806	70	80	25.25	37	23	3/8"	38	60	2	1.95	Z10CFE0700806	10
CFE0800958	80	95	30.25	50	25	1/2"	47	75	2	2.50	Z05CFE0800958	5
CFE1001158	100	115	35.25	45	30	1/2"	47	75	2	4.50	Z05CFE1001158	5

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

CHMSCFI

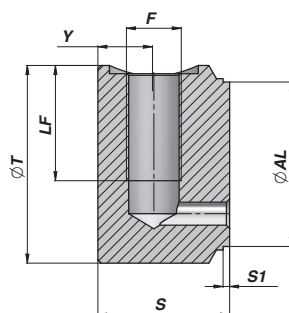
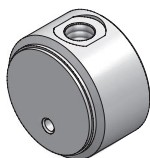
FOND AVEC ENTREE HUILE
END PLUG WITH INLET PORT

Code Code	ØAL	ØD	S	S1	R	F BSP	LF	H	ØD1	kg	Boîte Box	Pcs Pcs
CHMSCFI040	40	41	12	7.0	5.0	3/8"	15	17	25	0,14	Z00CHMSCFI040	100
CHMSCFI050	50	51	12	5.0	7.0	3/8"	15	17	25	0,18	Z50CHMSCFI050	50
CHMSCFI060	60	61	15	4.0	8.0	3/8"	15	17	25	0,31	Z50CHMSCFI060	50
CHMSCFI070	70	71	15	7.5	7.5	1/2"	16	18	30	0,44	Z50CHMSCFI070	50
CHMSCFI080	80	81	17	9.0	8.0	1/2"	16	18	30	0,64	Z20CHMSCFI080	20
CHMSCFI090	90	91	17	9.0	8.0	1/2"	16	18	30	0,80	Z20CHMSCFI090	20
CHMSCFI100	100	101	20	10.0	10.0	1/2"	16	18	30	1,11	Z10CHMSCFI100	10

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

CFVP

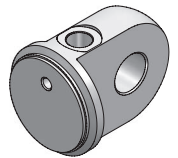
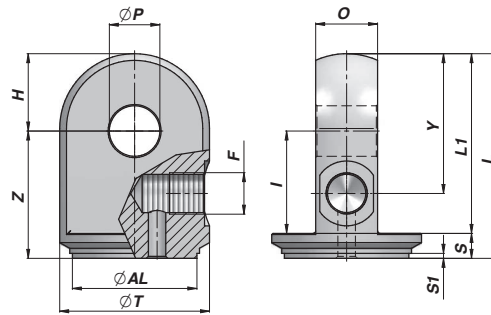
FOND AVEC ENTREE HUILE
END PLUG WITH INLET PORT

Code Code	ØAL	ØT	F BSP	LF	Y	S	S1	kg	Boîte Box	Pcs Pcs
CFVP04005004	40	50	1/4"	30	17	40	2	0,54	Z20CFVP04005004	20
CFVP05006006	50	60	3/8"	35	17	40	2	0,77	Z25CFVP05006006	25
CFVP06007006	60	70	3/8"	35	17	40	2	1,10	Z20CFVP06007006	20
CFVP06307306	63	73	3/8"	35	17	40	2	1,17	Z10CFVP06307306	10
CFVP07008006	70	80	3/8"	35	17	40	2	1,41	Z10CFVP07008006	10
CFVP08009508	80	95	1/2"	45	20	50	2	2,49	Z10CFVP08009508	10
CFVP09010508	90	105	1/2"	45	20	50	2	3,11	Z05CFVP09010508	5
CFVP10011508	100	115	1/2"	45	20	50	2	3,70	Z05CFVP10011508	5

PREDISPOSITION POUR VALVE PARACHUTE "VUBA"
FITTED FOR THE HOSE BURST VALVE "VUBA"

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

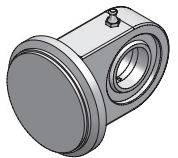
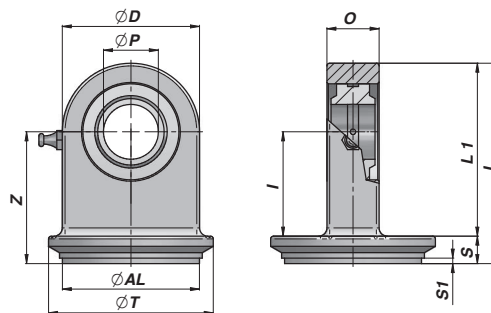
MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

FOND PERCE A CHARNIERE ET ENTREE HUILE
HINGE END PLUG WITH CROSS HOLE AND INLET PORT
CFB

Code Code	ØAL	ØT	ØP	Z	H	O	F BSP	Y	I	S	S1	L	L1	kg
CFB0400504	40	50	16.20	46	19	24.8	1/4"	39	36	10	2	65	55	0,55
CFB0500606	50	60	20.25	51	31	24.8	3/8"	56	41	10	2	82	72	0,84
CFB0600706	60	70	25.25	57	33	24.8	3/8"	63	45	12	2	90	78	1,14
CFB0700806	70	80	25.25	65	42	39.5	3/8"	82	53	12	2	107	95	2,24

MATERIEL : ACIER S355J0 (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355J0 (Fe510C) - S355JR (A105)

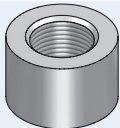
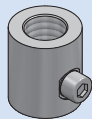
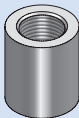
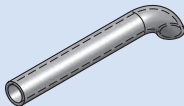
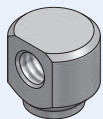
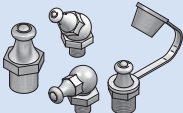
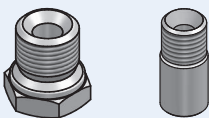
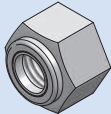
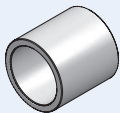
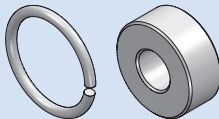
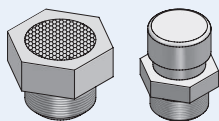
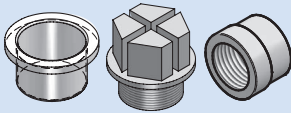
FOND AVEC EMBOUT A ROTULE AVEC GRAISSEUR
END PLUG WITH BALL-JOINT END WITH GREASE NIPPLE
CSTSNF

Code Code	ØAL	ØT	ØP	Z	ØD	O	I	S	S1	L	L1	kg
CSTSNF020040	40	50	20	48	50	19	38	10	2	73.0	63.0	0,48
CSTSNF020045	45	55	20	48	50	19	38	10	2	73.0	63.0	0,50
CSTSNF020050	50	60	20	48	50	19	38	10	2	73.0	63.0	0,54
CSTSNF025055	55	65	25	57	55	23	45	12	2	84.5	72.5	0,81
CSTSNF025060	60	70	25	57	55	23	45	12	2	84.5	72.5	0,86
CSTSNF025063	63	73	25	57	55	23	45	12	2	84.5	72.5	0,89
CSTSNF030065	65	75	30	63	65	28	51	12	2	95.5	83.5	1,24
CSTSNF030066	65	80	30	63	65	28	51	12	2	95.5	83.5	1,27
CSTSNF030070	70	80	30	63	65	28	51	12	2	95.5	83.5	1,30
CSTSNF030075	75	90	30	63	65	28	51	12	2	95.5	83.5	1,38
CSTSNF030080	80	92	30	63	65	28	51	12	2	95.5	83.5	1,43
CSTSNF030081	80	95	30	63	65	28	51	12	2	95.5	83.5	1,44

MATERIEL : ACIER S1 52.3

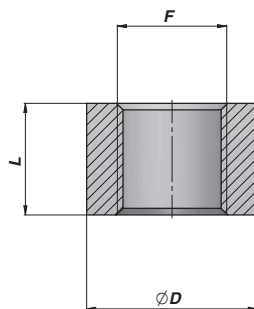
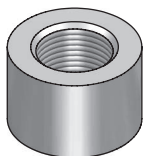
MATERIAL : STEEL S1 52.3

ACCESSOIRES ACCESSORIES

	Description - Description	Type	Page
	BOSSAGE TARAUDE THREADED PORT	CBS	90
	BOSSAGE TARAUDE AVEC PURGE THREADED PORT WITH BLEEDER	CBSS	90
	BOSSAGE HAUT TARAUDE HIGH THREADED PORT	CBSP	91
	BOSSAGE BORGNE TARAUDE BLIND THREADED PORT	CBSL	91
	BOSSAGE TARAUDE POUR TUBE HYDRAULIQUE THREADED PORT FOR FEED PIPE	CBSLT	92
	TUBE EN ACIER HYDRAULIQUE CINTRE SHAPED STEEL CONNECTION PIPE	CETS	92
	BLOC ENTREE HUILE OIL INLET SUPPORT	CBLT	93
	GRAISSEUR GREASE NIPPLE	AN	93
	UNION MALE A SOUDER WELDABLE MALE	RV501 RV502 RV511 RV512	94
	ECROU DE BLOCAGE PISTON LOCKNUT	CDA CDB	95
	ENTRETOISE SPACER	CDIS	95
	JONC D'ARRET TIGE POUR VERIN PLONGEUR STOP RING FOR PLUNGER CYLINDER	CAT CA	96
	RENIFLARD AIR PLUG	ASEP ATS	97
	PROTECTION TARAUDAGES CAP FOR THREADED HOLES	APG APM ASEPP435 ASEPP510	97-98

CBS

**BOSSAGE TARAUDE
THREADED PORT**

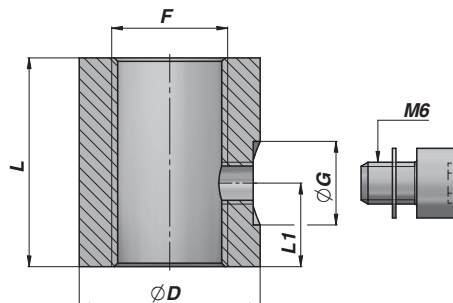
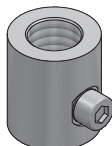


Code Code	F BSP	L	ØD	kg x100	Code Code	F	L	ØD	kg x100
CBSC220300	1/8"	14.0	20	2,80	CBSC221215	M12x1.5	16	22	3,70
CBSC220400	1/4"	16.0	22	3,50	CBSC0001415014	M14x1.5	14	22	2,80
CBS0400013	1/4"	13.0	22	2,80	CBSC221415	M14x1.5	16	22	3,20
CBSC220600	3/8"	17.0	26	4,70	CBSC221615	M16x1.5	17	26	4,90
CBS0600015	3/8"	15.0	26	4,20	CBSC0001815014	M18x1.5	14	28	4,40
CBSC220800	1/2"	18.0	30	6,10	CBSC221815	M18x1.5	18	28	5,70
CBSC221200	3/4"	20.0	38	10,50	CBSC222015	M20x1.5	18	30	6,10
CBSC221600	1"	25.0	45	16,90	CBSC222215	M22x1.5	18	30	5,30
CBSC222000	1"1/4	24.5	55	22,60					
CBSC222400	1"1/2	30.0	60	28,90					
CBSC223200	2"	30.0	70	30,70					

MATERIEL : ACIER

MATERIAL : STEEL

**BOSSAGE TARAUDE AVEC PURGE
THREADED PORT WITH BLEEDER**



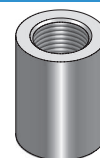
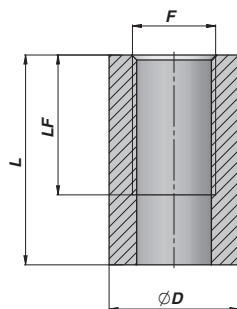
Code Code	F BSP	L	ØD	ØG	L1	kg x 100
CBSS0430M6	1/4"	30	22	12	12	6,40
CBSS0630M6	3/8"	30	26	12	12	8,20
CBSS0830M6	1/2"	30	30	12	12	10,10

MATERIEL : ACIER

MATERIAL : STEEL

BOSSAGE HAUT TARAUDE
HIGH THREADED PORT

CBSP



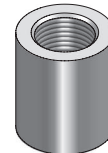
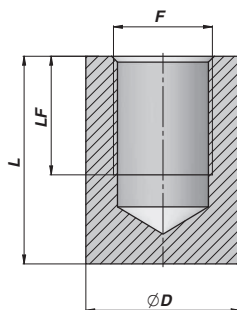
Code Code	F BSP	LF	L	ØD	kg x 100
CBSPC2204000	1/4"	27	40	22	8,60
CBSPC2206000	3/8"	28	42	26	11,70
CBSPC2208000	1/2"	33	48	30	16,30

MATÉRIEL : ACIER

MATERIAL : STEEL

BOSSAGE BORGNE TARAUDE
BLIND THREADED PORT

CBSL



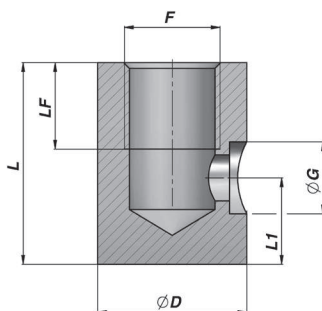
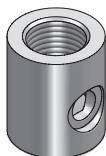
Code Code	F BSP	LF	L	ØD	kg x 100
CBSLC2204000	1/4"	13	30	22	7,30
CBSLC2206000	3/8"	20	35	26	10,70
CBSLC2208000	1/2"	22	35	30	13,80

MATÉRIEL : ACIER

MATERIAL : STEEL

CBSLT

BOSSAGE TARAUDE POUR TUBE HYDRAULIQUE THREADED PORT FOR FEED PIPE



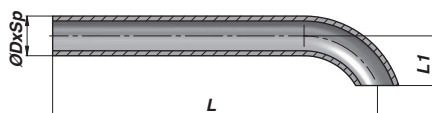
Code Code	F BSP	LF	L	ØD	ØG	L1	kg x 100
CBSLTC220410	1/4"	15	30	22	10,5	12	6,90
CBSLTC220612	3/8"	15	35	26	12,5	15	10,50
CBSLTC220815	1/2"	15	35	30	15,5	15	13,20

MATERIEL : ACIER

MATERIAL : STEEL

CETS

TUBE EN ACIER HYDRAULIQUE CINTRE SHAPED STEEL CONNECTION PIPE



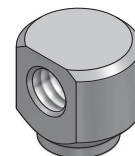
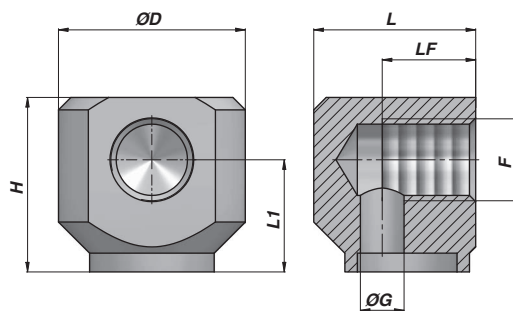
Code Code	ØDxSp mm	L	L1	kg
CETS10150300	10x1.5	300	12	0,10
CETS10150600	10x1.5	600	12	0,19
CETS10151000	10x1.5	1000	12	0,32
CETS12150300	12x1.5	300	15	0,12
CETS12150600	12x1.5	600	15	0,24
CETS12151000	12x1.5	1000	15	0,39
CETS15200300	15x2	300	15	0,20
CETS15200600	15x2	600	15	0,39
CETS15201000	15x2	1000	15	0,65

MATERIEL : ACIER ST 37.4 - DIN 1630

MATERIAL : STEEL ST 37.4 - DIN 1630

BLOC ENTREE HUILE
OIL INLET SUPPORT

CBLT



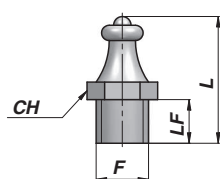
Code Code	F BSP	LF	L	ØD	H	ØG	L1	kg	Boîte Box	Pcs Pcs
CBLT040000	1/4"	15	26.0	30	28	7	18	0,10	Z50CBLT040000	50
CBLT060000	3/8"	20	30.5	35	30	8	18	0,15	Z50CBLT060000	50
CBLT080000	1/2"	22	40.0	45	38	12	23	0,33	Z50CBLT080000	50

MATERIEL : ACIER S355J0 (Fe510C) - S355JR (A105)

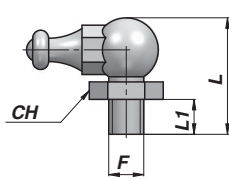
MATERIAL : STEEL S355J0 (Fe510C) - S355JR (A105)

GRAISSEUR UNI 7663
GREASE NIPPLE UNI 7663

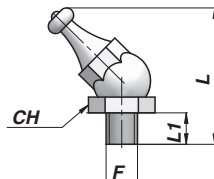
AN / APGR



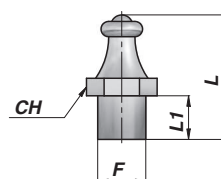
TYPE D



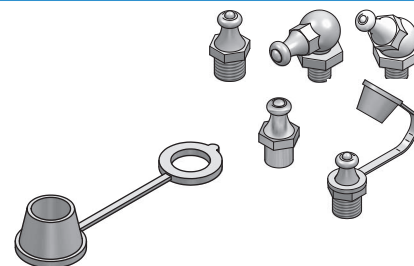
TYPE 90



TYPE 45



TYPE L



APGR

Code Code	Type Type	F	L1	L	CH	kg x 100	Boîte (Pcs) Box (Pcs)
AN00006001	D	M6x1	5.0	13.5	7	0,20	100
AN00008000	D	M8x1.25	6.0	18.0	11	0,45	100
AN09006001	90	M6x1	6.5	20.5	11	0,90	100
AN09008000	90	M8x1.25	6.5	20.5	11	0,95	100
AN04506001	45	M6x1	6.5	25.5	11	0,94	100
AN04508000	45	M8x1.25	6.5	25.5	11	0,95	100
ANGL000550	L	ø 5.5	5.0	14.0	7	0,20	100
ANGL000800	L	ø 8.0	6.0	17.0	9	0,40	100

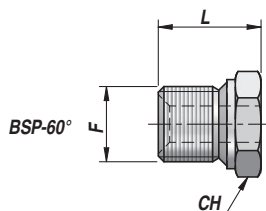
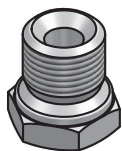
APGR013000 BOUCHON PROTECTION GRAISSEUR - GREASE NIPPLE CAP

MATERIEL GRAISSEUR : ACIER
GREASE NIPPLE MATERIAL : STEELMATERIEL BOUCHON PROTECTION GRAISSEUR : POLYETHYLENE L.D.
GREASE NIPPLE CAP MATERIAL : POLYETHYLENE L.D.

RV501

RV502

UNION MALE A SOUDER A 6 PANS
WELDABLE MALE



Code Code	F BSP	CH	L	kg x100
RV501.0400	1/4"	19	18~	2,00
RV501.0600	3/8"	22	20~	3,60
RV501.0800	1/2"	27	23~	5,00
RV501.1200	3/4"	32	26~	7,60
RV501.1600	1"	41	30~	15,40
RV501.2000	1 1/4"	50	32~	26,60

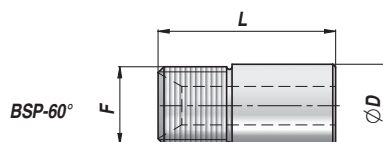
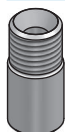
Code Code	F	CH	L	kg x100
RV502.1415	M14x1.5	19	19~	2,20
RV502.1615	M16x1.5	22	21~	2,60
RV502.1815	M18x1.5	24	22~	4,40
RV502.2215	M22x1.5	27	24~	5,80

MATERIEL : ACIER
MATERIAL : STEEL

RV511

RV512

UNION MALE A SOUDER
WELDABLE MALE



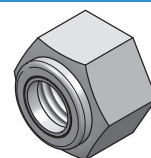
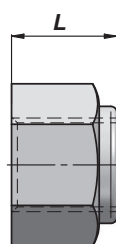
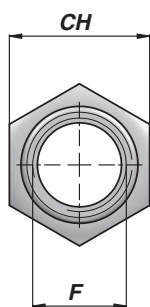
Code Code	F BSP	ØD	L	kg x100
RV511.0400	1/4"	15	25~	2,00
RV511.0600	3/8"	17	35~	3,80
RV511.0800	1/2"	21	35~	5,60
RV511.1200	3/4"	28	41~	9,40
RV511.1600	1"	35	41~	15,20
RV511.2000	1 1/4"	43	45~	26,30

Code Code	F	ØD	L	kg x100
RV512.1415	M14x1.5	14	30~	2,00
RV512.1615	M16x1.5	16	31~	3,00
RV512.1815	M18x1.5	18	35~	4,00
RV512.2215	M22x1.5	21	37~	5,50

MATERIEL : ACIER
MATERIAL : STEEL

ECROU DE BLOCAGE PISTON
LOCKNUT

CDA / CDB



Code Code	F	L	CH	kg x100
CDA0001215	M12x1.5	14	19	2,00
CDA0001415	M14x1.5	16	22	3,00
CDA0001815	M18x1.5	20	27	5,16
CDA0002015	M20x1.5	22	30	7,00
CDA0002215	M22x1.5	25	32	8,60
CDA0002420	M24x2	27	36	13,00
CDA0002720	M27x2	30	41	18,00
CDA0003020	M30x2	32	46	25,80
CDA0003320	M33x2	35	50	31,00
CDA0003930	M39x3	42	60	56,00
CDA0004830	M48x3	52	75	200,00

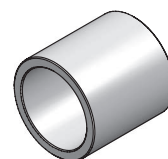
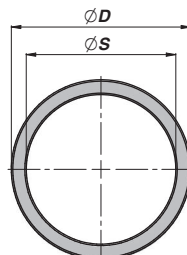
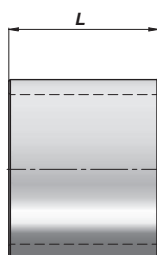
Code Code	F	L	CH	kg x100
CDB0001415	M14x1.5	14	22	2,60
CDB0002015	M20x1.5	17	30	6,00
CDB0002420	M24x2	21	36	10,00
CDB0002720	M27x2	23	41	13,00
CDB0003320	M33x2	26	50	25,50

MATERIEL : ACIER UNI 7473 - 7474 - NYLON

MATERIAL : STEEL UNI 7473 - 7474 - NYLON

ENTRETOISE
SPACER

CDIS



Code Code	ØS	ØD	L	kg
CDIS016022050	16	22	50	0,07
CDIS020030050	20	30	50	0,15
CDIS022032050	22	32	50	0,17
CDIS025035050	25	35	50	0,20
CDIS028038050	28	38	50	0,20
CDIS030040050	30	40	50	0,21
CDIS032042050	32	42	50	0,23
CDIS035045050	35	45	50	0,25
CDIS036042050	36	42	50	0,14
CDIS040050050	40	50	50	0,28
CDIS045055050	45	55	50	0,31
CDIS050060050	50	60	50	0,34
CDIS055065050	55	65	50	0,37
CDIS060075050	60	75	50	0,62
CDIS063075050	63	75	50	0,51
CDIS070085050	70	85	50	0,72
CDIS080095050	80	95	50	0,81
CDIS090105050	90	105	50	0,90
CDIS100120050	100	120	50	1,36
CDIS120145050	120	145	50	2,04
CDIS140170050	140	170	50	2,86
CDIS150180050	150	180	50	3,05
CDIS180210050	180	210	50	3,60

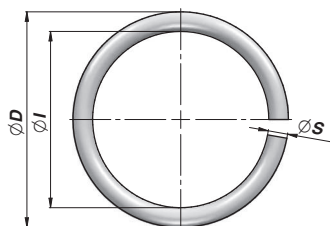
Code Code	ØS	ØD	L	kg
CDIS016022100	16	22	100	0,14
CDIS020030100	20	30	100	0,20
CDIS022032100	22	32	100	0,34
CDIS025035100	25	35	100	0,40
CDIS028038100	28	38	100	0,40
CDIS030040100	30	40	100	0,42
CDIS032042100	32	42	100	0,46
CDIS035045100	35	45	100	0,50
CDIS036042100	36	42	100	0,28
CDIS040050100	40	50	100	0,56
CDIS045055100	45	55	100	0,61
CDIS050060100	50	60	100	0,68
CDIS055065100	55	65	100	0,74
CDIS060075100	60	75	100	1,24
CDIS063075100	63	75	100	1,02
CDIS070085100	70	85	100	1,44
CDIS080095100	80	95	100	1,62
CDIS090105100	90	105	100	1,80
CDIS100120100	100	120	100	2,72
CDIS120145100	120	145	100	4,08
CDIS140170100	140	170	100	5,72
CDIS150180100	150	180	100	6,10
CDIS180210100	180	210	100	7,20

MATERIEL : ACIER St 52.3 DIN 2393 ISO H9 - St 52.3 DIN 2391 ISO H8

MATERIAL : STEEL St 52.3 DIN 2393 ISO H9 - St 52.3 DIN 2391 ISO H8

CAT

JONC D'ARRET TIGE POUR VERIN PLONGEUR
STOP RING FOR PLUNGER CYLINDER

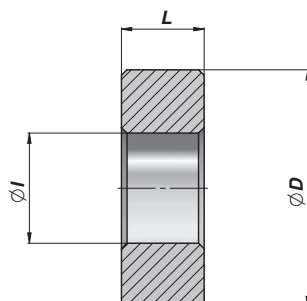
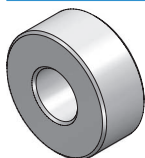


Code Code	ØD	ØI	ØS	kg x 100
CAT0200025	22.0	16.0	3.0	0,38
CAT0250030	28.0	22.0	3.0	0,40
CAT0280030	31.0	25.0	3.0	0,45
CAT0300030	33.0	27.0	3.0	0,50
CAT0350035	38.5	31.5	3.5	0,80
CAT0400040	44.0	36.0	4.0	1,20
CAT0450040	49.0	41.0	4.0	1,40
CAT0500045	54.5	45.5	4.5	1,90
CAT0550050	59.5	50.5	4.5	2,00
CAT0600055	65.5	54.5	5.5	3,40
CAT0700065	76.0	64.0	6.0	5,00
CAT0800060	86.0	74.0	6.0	5,50
CAT1000060	106.0	94.0	6.0	7,00

MATERIEL : ACIER
MATERIAL : STEEL

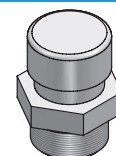
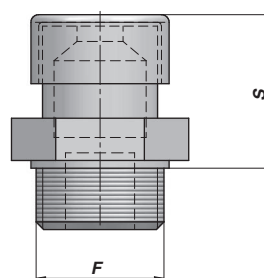
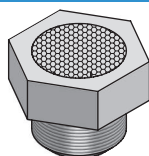
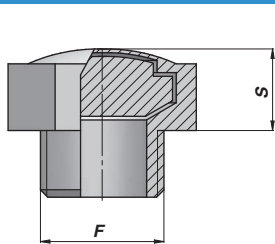
CA

JONC D'ARRET TIGE POUR VERIN PLONGEUR
STOP RING FOR PLUNGER CYLINDER



Code Code	ØD	ØI	L	kg	Boîte Box	Pcs Pcs
CA03400000	34	15	10	0,08	Z0CCA03400000	250
CA03800000	38	20	15	0,10	Z0BCA03800000	200
CA04300000	43	20	15	0,13	Z0ACA04300000	150
CA04800000	48	20	20	0,23	Z00CA04800000	100
CA05300000	53	27	20	0,26	Z00CA05300000	100
CA05800000	58	27	20	0,32	Z50CA05800000	50
CA06800000	68	27	20	0,48	Z50CA06800000	50

MATERIEL : ACIER S355JO (Fe510C)
MATERIAL : STEEL S355JO (Fe510C)

RENIPLARD
AIR PLUG
ASEP/ATS


Code Code	F BSP	S	kg x100
ASEP030000	1/8"	7	1,00
ASEP040000	1/4"	8	1,20
ASEP060000	3/8"	9	2,00
ASEP080000	1/2"	9	2,30
ASEP120000	3/4"	11	4,00
ASEP160000	1"	12	6,00

Code Code	F BSP	S	kg x100
ATS31A0030	1/8"	15	3,00
ATS31A0040	1/4"	20	4,00
ATS31A0060	3/8"	19	4,50
ATS31A0080	1/2"	19	6,00
ATS31A0120	3/4"	23	15,00
ATS31A0160	1"	30	24,00

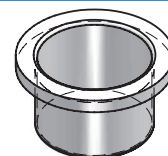
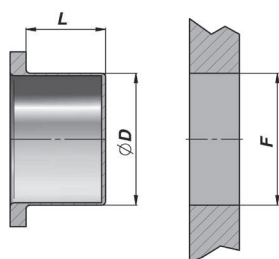
MATERIEL CORPS : LAITON
 BODY MATERIAL : BRASS

FILTRE : BRONZE FRITTÉ
 FILTER : SINTERED BRONZE

MATERIEL CORPS : LAITON
 BODY MATERIAL : BRASS

FILTRE : BRONZE FRITTÉ
 FILTER : SINTERED BRONZE

PROTECTION: ACIER ZINGUE
 CAP : ZINC PLATED STEEL

PROTECTION TARAUDAGES
CAP FOR THREADED HOLES
APG/APM


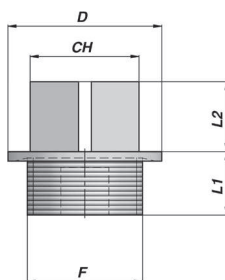
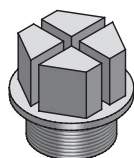
Code Code	F BSP	ØD	L
APG0300000	1/8"	9,0	7,5
APG0400000	1/4"	12,0	9,0
APG0600000	3/8"	15,5	9,5
APG0800000	1/2"	19,0	10,5
APG1200000	3/4"	25,0	12,0
APG1600000	1"	31,0	10,5
APG2000000	1"1/4	39,5	11,0
APG2400000	1"1/2	46,0	10,5
APG3200000	2"	57,5	13,5

Code Code	F	ØD	L
APM1215000	M12x1,5	10,5	8,0
APM1415000	M14x1,5	13,0	9,5
APM1615000	M16x1,5	15,0	9,5
APM1815000	M18x1,5	17,0	10,5
APM2015000	M20x1,5	19,0	10,5
APM2215000	M22x1,5	21,0	11,0

MATERIEL : POLYETHYLENE L.D.
 MATERIAL : POLYETHYLENE L.D.

APSEP435

PROTECTION TARAUDAGES
CAP FOR THREADED HOLES



Code Code	F BSP	D	L1	L2	CH
APSEP43516	1/8"	16.8	9	10	13
APSEP43519	1/4"	19.2	9	10	13
APSEP43522	3/8"	22.2	9	11	17
APSEP43527	1/2"	27.2	12	13	19
APSEP43532	3/4"	32.3	12	13	24
APSEP43540	1"	40.0	15	14	27
APSEP43550	1"1/4	50.4	15	15	36
APSEP43555	1"1/2	55.4	15	15	41
APSEP43568	2"	68.4	15	15	55

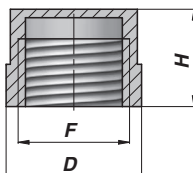
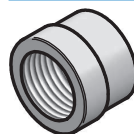
Code Code	F	D	L1	L2	CH
APSEP435M12	M12x1,5	17.2	10	10	13
APSEP435M14	M14x1,5	19.2	10	10	13
APSEP435M16	M16x1,5	22.0	10	10	17
APSEP435M18	M18x1,5	24.0	10	11	17
APSEP435M20	M20x1,5	26.0	10	14	19
APSEP435M22	M22x1,5	27.2	10	14	19

MATERIEL : POLIAMIDE PA 6

MATERIAL : POLYAMIDE PA 6

APSEP510

PROTECTION TARAUDAGES
CAP FOR THREADED HOLES



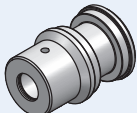
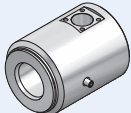
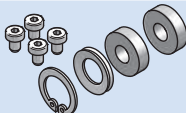
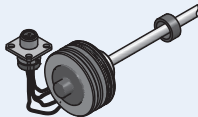
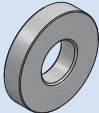
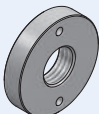
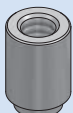
Code Code	F BSP	ØD	H
APSEP510018001	1/8"	13.0	12.0
APSEP510014001	1/4"	16.0	13.0
APSEP510038001	3/8"	20.5	14.5
APSEP510012001	1/2"	24.5	15.5
APSEP510034001	3/4"	30.5	16.5
APSEP510100001	1"	40.0	19.5
APSEP510114001	1"1/4	48.0	17.5
APSEP510112001	1"1/2	56.0	18.0
APSEP510200001	2"	68.0	19.0

Code Code	F	ØD	H
APSEP510M01215	M12x1.5	10.5	14
APSEP510M01415	M14x1.5	18.5	14
APSEP510M01615	M16x1.5	20.5	14
APSEP510M01815	M18x1.5	22.0	15
APSEP510M02015	M20x1.5	24.5	16
APSEP510M02215	M22x1.5	26.5	16

MATERIEL : POLYETHYLENE

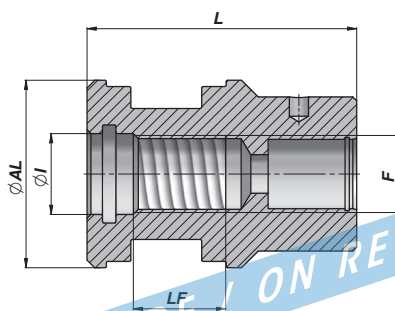
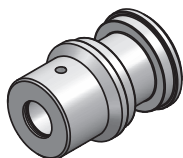
MATERIAL : POLYETHYLENE

COMPOSANTS POUR VERINS AVEC CAPTEUR COMPONENTS FOR CYLINDERS WITH SENSOR

	Description - Description	Type SUR DEMANDE / ON REQUEST	Page
	PISTON POUR VERIN AVEC CAPTEUR DE POSITION LINEAIRE TYPE "MS" Tempsonics® PISTON FOR CYLINDER WITH LINEAR POSITION SENSOR TYPE "MS" Tempsonics®	CTFASM	100
	POCHETTES DE JOINTS SEAL KITS	GKG	100
	FOND POUR VERIN AVEC CAPTEUR DE POSITION LINEAIRE Tempsonics® END PLUG FOR CYLINDER WITH Tempsonics® LINEAR POSITION SENSOR	CFASM	101
	KIT MONTAGE CAPTEUR DE POSITION Tempsonics® (SANS CAPTEUR NI AIMANT) ASSEMBLING KIT FOR THE Tempsonics® SENSOR (SENSOR AND MAGNET NOT INCLUDED)	CKMS	101
	CARACTERISTIQUES TECHNIQUES CAPTEURS DE POSITION LINEAIRE Tempsonics® TECHNICAL FEATURES OF THE LINEAR SENSORS Tempsonics®		102
	BAGUE ANTERIEURE POUR VERIN AVEC CAPTEUR DE POSITION INDUCTIF FRONT RING FOR CYLINDER WITH INDUCTIVE SENSOR	CASPA	103
	BAGUE POSTERIEURE POUR VERIN AVEC CAPTEUR DE POSITION INDUCTIF REAR RING FOR CYLINDER WITH INDUCTIVE SENSOR	CASPP	103
	BOSSAGE POUR CAPTEUR DE POSITION INDUCTIF THREADED PORT FOR INDUCTIVE SENSOR	CBSSP	104
	CAPTEUR DE POSITION INDUCTIF INDUCTIVE SENSOR	CSEN	104

CTFASM

PISTON POUR VERIN AVEC CAPTEUR DE POSITION LINEAIRE TYPE "MS" TEMPOSONICS®
 PISTON FOR CYLINDER WITH LINEAR POSITION SENSOR TYPE "MS" TEMPOSONICS®



Code Code	ØAL	F	LF	L	ØI	kg	Boîte Box	Pcs Pcs	Pochette de joints Seal kits
CTFASMS040	40	M18x1.5	36	70	20	0,37	Z25CTFASMS040	25	GKGCTFASM040
CTFASMS050	50	M20x1.5	36	70	21	0,57	Z25CTFASMS050	25	GKGCTFASM050

MATERIEL : ACIER 9SMn28
 MATERIAL : STEEL 9SMn28

SUR DEMANDE : KIT JOINTS IN VITON
 ON REQUEST: VITON SEAL KITS

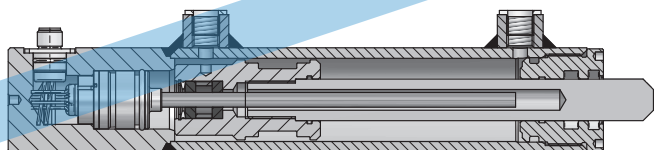
GKGCTFASM

JOINTS POUR PISTON "CTFASM"
 SEAL KITS FOR "CTFASM" PISTON

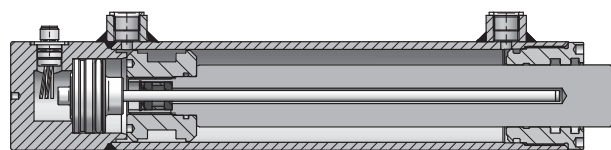
Code Code	Alésage/Taroudage Bore/Thread	TPM	O-Ring Dowty
GKGCTFASM040	40 / 18	157118	117
GKGCTFASM050	50 / 20	196133	812

Les pistons standard "CTF" et le capteur type Temposonics® MH, sont utilisés pour les alésages 60-63-70-80-90-100.
 Aimant intégré dans la tige.

Pistons standard "CTF" are used for the bores 60-63-70-80-90-100 and the sensor type Temposonics® MH.
 The housing of the magnet is integrated in the stem.



CAPTEUR - SENSOR : Temposonics® MS



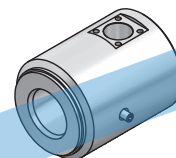
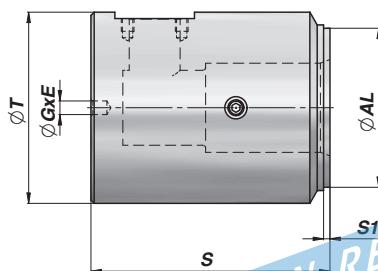
CAPTEUR - SENSOR : Temposonics® MH

COMPONENTS FOR CYLINDER WITH SENSOR - COMPOSANTS POUR VERINS AVEC CAPTEUR

SUR DEMANDE / ON REQUEST

FOND POUR VERIN AVEC CAPTEUR DE POSITION LINEAIRE TEMPOSONICS®
END PLUG FOR CYLINDER WITH TEMPOSONICS® LINEAR POSITION SENSOR

CFASM



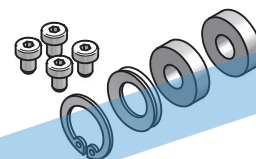
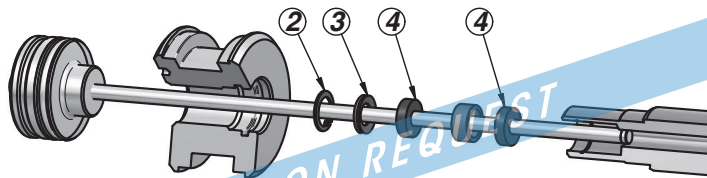
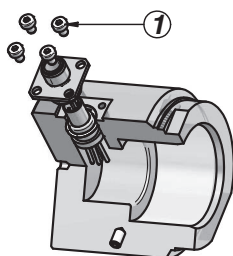
Code Code	ØAL	ØT	S	S1	ØG x E	Pour capteur For sensor	kg	Boîte Box	Pcs Pcs
CFASMS040050	40	50	80	2	Ø 4.25 x 5	MS	0,31	Z20CFASMS040050	20
CFASMS050060	50	60	75	2	Ø 4.25 x 5	MS	0,45	Z12CFASMS050060	12
CFASMS060070	60	70	75	10	Ø 4.25 x 5	MH	0,51	Z10CFASMS060070	10
CFASMS063073	63	73	75	10	Ø 4.25 x 5	MH	0,58	Z10CFASMS063073	10
CFASMS070080	70	80	75	10	Ø 4.25 x 5	MH	0,74	Z10CFASMS070080	10
CFASMS080095	80	95	75	10	Ø 4.25 x 5	MH	1,12	Z05CFASMS080095	5
CFASMS090105	90	105	75	10	Ø 4.25 x 5	MH	1,42	Z05CFASMS090105	5
CFASMS100115	100	115	75	10	Ø 4.25 x 5	MH	1,75	Z05CFASMS100115	5

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

KIT MONTAGE CAPTEUR DE POSITION TEMPOSONICS® (SANS CAPTEUR NI AIMANT)
ASSEMBLING KIT FOR THE TEMPOSONICS® SENSOR (SENSOR AND MAGNET NOT INCLUDED)

CKMS



Code Code	Description Description	kg x 100
CKMSMH0100	KIT MONTAGE CAPTEUR TYPES "MH/MS" - ASSEMBLING KIT FOR THE SENSOR TYPES "MH/MS"	1,00

Le kit comprend:

1 = Vis pour fixation connecteur

2 = Seeger de blocage

3 = Rondelle DIN 6798A

4 = Isolants en polyuréthane

The assembling kit is made up of:

1 = connector fixing screws

2 = seeger

3 = ring DIN6798A

4 = insulating material made of polyurethan

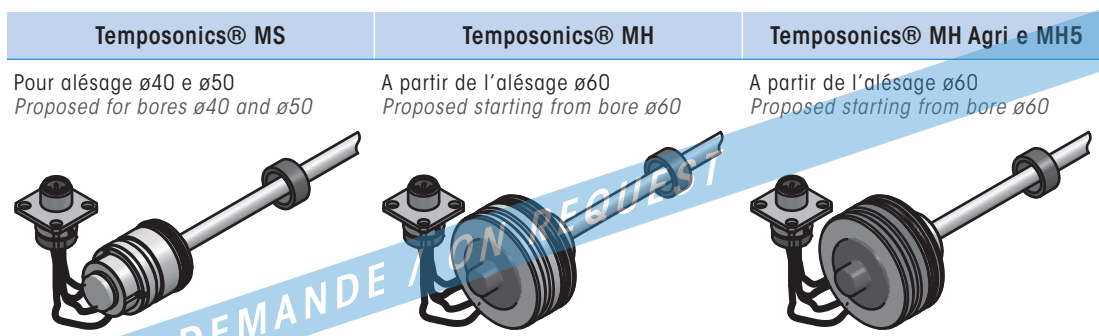
CAPTEURS DE POSITION LINEAIRES TEMPOSONICS® INTEGRES DANS LES VERINS POUR VEHICULES MOBILE TEMPOSONICS® IN-CYLINDER POSITION SENSORS FOR MOBILE MACHINES

Les capteurs de position linéaires sont utilisés pour vérifier la position de la tige.

Temposonic® Sensors exploite le phénomène de la magnétostriction pour ses mesures linéaires absolues.

For the instantly piston control a linear position sensor can be used.

The principle of operation of the Temposonic® sensor linear position is based on the magnetostrictive effect.



	Temposonic® MS	Temposonic® MH	Temposonic® MH Agri e MH5
	Pour alésage ø40 e ø50 Proposed for bores ø40 and ø50	A partir de l'alésage ø60 Proposed starting from bore ø60	A partir de l'alésage ø60 Proposed starting from bore ø60
Application: <i>Application:</i>	Machines de travaux publics et mobile Construction and handling mobile machines	Machines de travaux publics et mobile Construction and handling mobile machines	Machines agricoles Agricultural machines
Plage de mesure: <i>Measuring ranges:</i>	50-2500 mm (5 mm steps)	50-2500 mm (5 mm steps)	125-1450 mm (5 mm steps)
Signal de sortie analogique (sur demande): <i>Analog Output signal (choice):</i>	VDC: 0.25...4.75 0.50...4.50 mA : 4...20	VDC: 0.25...4.75 0.50...4.50 mA : 4...20	VDC: 0.25...4.75 0.50...4.50 mA : 4...20 (for MH5)
Signal de sortie numérique: <i>Digital Output signal:</i>	-	CANopen/SAE J1939	-
Linéarité du signal: <i>Linearity:</i>	50... 250 mm ± 0,1 mm 255...2000 mm ± 0,04 % full stroke 2005...2500 mm ± 0,8 mm	50... 250 mm ± 0,1 mm 255...2000 mm ± 0,04 % full stroke 2005...2500 mm ± 0,8 mm	< ± 0.04 % full stroke
Résolution: <i>Resolution:</i>	± 0.1 mm	± 0.1 mm	± 0.1 mm
Température de travail: <i>Operation temperature:</i>	-40°C .. +105°C	-40°C .. +105°C	-40°C .. +105°C
Pression PN/Pmax: <i>Pressure PN/Pmax:</i>	300/400 bar	350/450 bar	350/450 bar
Connexion: <i>Connector:</i>	M12 - IP69K	M12 - IP69K	M12 - IP69K
Alimentation: <i>Voltage:</i>	12/24 VDC	12/24 VDC	12 VDC (MH Agri) 24 VDC (MH5)
EMC:	Véhicules :2009/64/EG (E1 conforme) Machines agricoles et forestiers: 2009/19/EG Machines travaux publics: EN 13309	Véhicules :2009/64/EG (E1 conforme) Machines agricoles et forestiers: 2009/19/EG Machines travaux publics: EN 13309	Machines agricoles et forestiers: 2009/19/EG
EMC:	Road vehicles: 2009/64/EG (E1 conform) Agricultural and Forest machines: 2009/19/EG Construction machinery: EN 13309	Road vehicles: 2009/64/EG (E1 conform) Agricultural and Forest machines: 2009/19/EG Construction machinery: EN 13309	Agricultural and Forest machines: 2009/19/EG

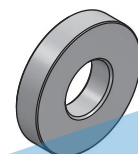
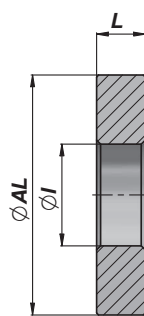
SUR DEMANDE - ON REQUEST:

CAPTEURS DE POSITION POUR APPLICATIONS INDUSTRIELLES ET POUR ENVIRONNEMENTS "ATEX".

SENSORS FOR INDUSTRIAL APPLICATIONS AND SENSORS SUITABLE FOR "ATEX" ENVIRONMENT.

BAGUE ANTERIEURE POUR VERIN AVEC CAPTEUR DE POSITION INDUCTIF
FRONT RING FOR CYLINDER WITH INDUCTIVE SENSOR

CASPA



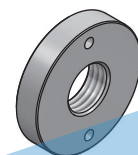
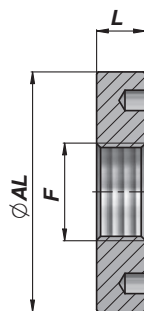
Code Code	ØAL	ØI	L	kg	Boîte Box	Pcs Pcs
CASPA04001712	40	17	12	0,09	Z00CASPA040017	100
CASPA05002112	50	21	12	0,14	Z00CASPA050021	100
CASPA06002512	60	25	12	0,21	Z00CASPA060025	100
CASPA06302512	63	25	12	0,24	Z50CASPA063025	50
CASPA07002512	70	25	12	0,31	Z50CASPA070025	50
CASPA08002812	80	28	12	0,40	Z50CASPA080028	50
CASPA09003512	90	35	12	0,49	Z25CASPA090035	25
CASPA10003512	100	35	12	0,63	Z25CASPA100035	25

MATERIEL : ACIER 9SMn28

MATERIAL : STEEL 9SMn28

BAGUE POSTERIEURE POUR VERIN AVEC CAPTEUR DE POSITION INDUCTIF
REAR RING FOR CYLINDER WITH INDUCTIVE SENSOR

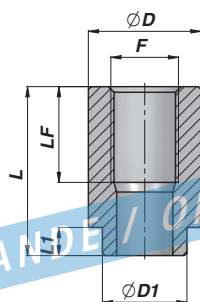
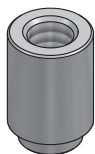
CASPP



Code Code	ØAL	F	L	kg	Boîte Box	Pcs Pcs
CASPP040M1612	40	M16x1,5	12	0,10	Z00CASPP040M16	100
CASPP050M2012	50	M20x1,5	12	0,15	Z00CASPP050M20	100
CASPP060M2412	60	M24x2	12	0,22	Z00CASPP060M24	100
CASPP063M2412	63	M24x2	12	0,25	Z50CASPP063M24	50
CASPP070M2412	70	M24x2	12	0,31	Z50CASPP070M24	50
CASPP080M2712	80	M27x2	12	0,41	Z50CASPP080M27	50
CASPP090M3312	90	M33x2	12	0,51	Z25CASPP090M33	25
CASPP100M3312	100	M33x2	12	0,65	Z25CASPP100M33	25

MATERIEL : ACIER 9SMn28

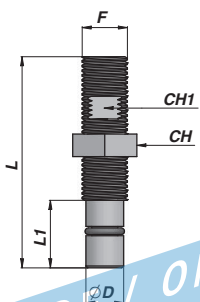
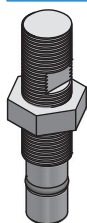
MATERIAL : STEEL 9SMn28

CBSSP**BOSSAGE POUR CAPTEUR DE POSITION INDUCTIF
THREADED PORT FOR INDUCTIVE SENSOR**

SUR DEMANDE / ON REQUEST

Code Code	F	LF	L	ØD	L1	ØD1	kg	Boîte Box	Pcs Pcs
CBSSP1210030	M12x1	17	30	20	5	15	0,05	Z0DCBSSP121030	120

MATERIEL : ACIER S355J0 (Fe510C) - S355JR (A105)
 MATERIAL : STEEL S355J0 (Fe510C) - S355JR (A105)

CSEN**BALLUFF**
sensors worldwide**CAPTEUR DE POSITION INDUCTIF - BES 516-300-S321-S4-D
INDUCTIVE SENSOR - BES 516-300-S321-S4-D**

SUR DEMANDE / ON REQUEST

Code Code	F	LF	L	ØD (e7)	CH	CH1	kg
CSENBHS004N	M12x1	17.9	78	10	17	10	0,05

CARACTERISTIQUES TECHNIQUES:

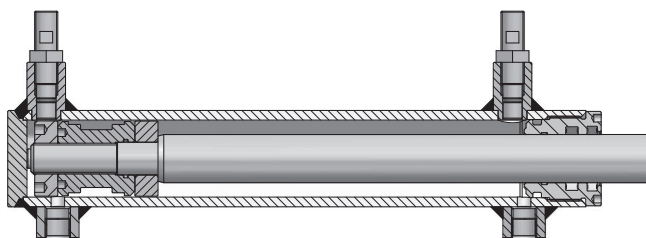
Courant continu DC
 PNP/Contact à fermeture (NO)
 Sn = 1.50 mm
 Noyé
 Pression huile 350 bar

Données de relèvement et données électriques
 consulter le site : www.balluff.com

TECHNICAL SPECIFICATIONS:

DC direct current
 PNP/Normally open (NO)
 Sn = 1.50 mm
 Flush (shielded)
 Oilpressure-rated to 350 bar

Sensing data and Electrical data
 visit the website : www.balluff.com



**CAPTEUR DE POSITION INDUCTIF DES DEUX COTES
 INDUCTIVE SENSOR ON BOTH SIDES
 (Utiliser le piston standard type "CTF")
 (Piston standard "CTF" type to be used)**

COMPOSANTS POUR VERINS AMORTIS
COMPONENTS FOR CYLINDERS WITH CUSHIONING SYSTEM

[illegible]

CARACTERISTIQUES TECHNIQUES
TECHNICAL SPECIFICATIONS

Le système de freinage réglable permet de moduler l'intensité de l'amortissement, qui reste efficace aussi en cas de changement de conditions, telles que:
température, viscosité de l'huile, débit de l'huile, charges sur le vérin.
On peut réaliser le vérin avec amortissement antérieur et postérieur ou sur un seul côté.

Le kit d'amortissement postérieur se compose de:

- bague interne avec son joint
- fond avec valve de réglage.

Le kit d'amortissement antérieur se compose de:

- tête de guidage avec joints
- bague interne avec joint
- bloc avec valve de réglage

Les bagues internes sont logées dans la section tournée de la tige sur les deux côtés du piston.

Le bloc antérieur est soudé sur le tube du vérin et l'angle d'orientation par rapport à l'axe du vérin est au choix du client.

The adjustable cushioning system enables to modulate its intensity resulting functional nevertheless changes of conditions such as: temperature, oil viscosity, oil flow, loads on cylinder.

The cushioning system can be applied both on the front and on the rear, or one side only.

The rear cushioning system is composed by:

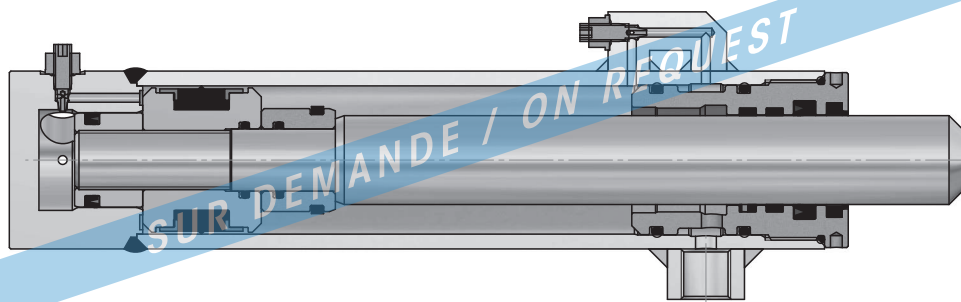
- internal ring with seal
- end plug with regulation valve

The front cushioning system is composed by:

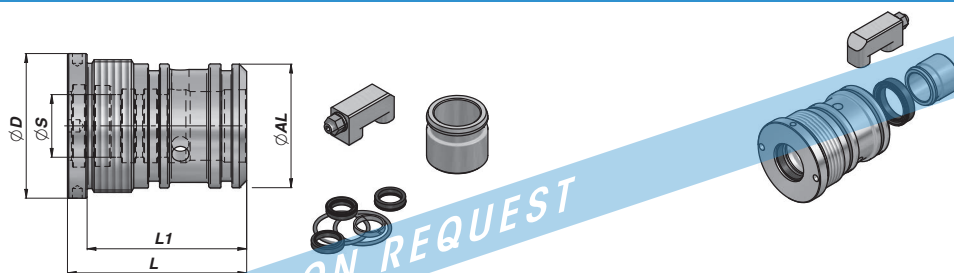
- head bush with seals
- internal ring with seal
- block with regulation valve

The internal rings are seated on the machined rod part on the piston sides.

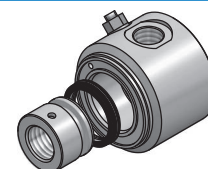
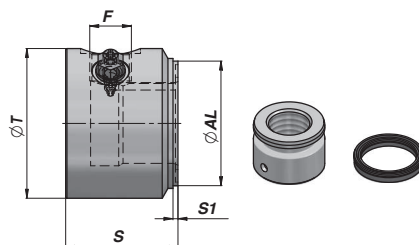
The front block is welded on the cylinder tube and the orientation angle, in reference to the axis, can be defined by client.



SUR DEMANDE / ON REQUEST

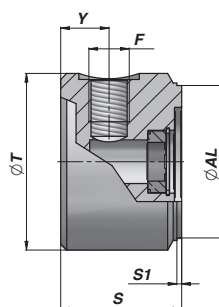
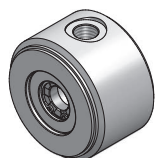
KIT COMPOSANTS AMORTISSAGE ANTERIEUR REGLABLE
COMPONENTS KIT FOR FRONT ADJUSTABLE CUSHIONING SYSTEM
CKFRA

Code Code	ØAL	ØS	ØD	L	L1	kg	Pochette de joints Seal kits
CKFRA040020	40	20	50	70	8	0,58	GKGCKFRA040020
CKFRA040025	40	25	50	70	8	0,53	GKGCKFRA040025
CKFRA050025	50	25	60	70	8	0,78	GKGCKFRA050025
CKFRA050030	50	30	60	70	8	0,73	GKGCKFRA050030
CKFRA060035	60	35	70	80	10	1,30	GKGCKFRA060035
CKFRA060040	60	40	70	80	10	1,19	GKGCKFRA060040
CKFRA063040	63	40	75	80	10	1,34	GKGCKFRA063040
CKFRA070035	70	35	80	80	10	2,03	GKGCKFRA070035
CKFRA070040	70	40	80	80	10	1,90	GKGCKFRA070040
CKFRA080040	80	40	95	85	10	2,90	GKGCKFRA080040
CKFRA080050	80	50	95	85	10	2,59	GKGCKFRA080050
CKFRA090050	90	50	105	95	10	3,18	GKGCKFRA090050
CKFRA100050	100	50	115	105	10	5,19	GKGCKFRA100050
CKFRA100060	100	60	115	105	10	4,63	GKGCKFRA100060

KIT COMPOSANTS AMORTISSAGE POSTERIEUR REGLABLE
COMPONENTS KIT FOR REAR ADJUSTABLE CUSHIONING SYSTEM
CKFRP

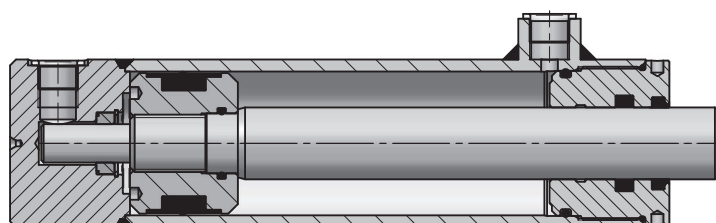
Code Code	ØAL	ØT	F BSP	S	S1	kg	Pochette de joints Seal kits
CKFRP040050	40	50	1/4"	45	2	0,59	GKGCKFRP040
CKFRP050060	50	60	3/8"	45	2	0,79	GKGCKFRP050
CKFRP060070	60	70	3/8"	45	2	1,11	GKGCKFRP060
CKFRP063075	63	75	3/8"	45	2	1,30	GKGCKFRP060
CKFRP070080	70	80	3/8"	45	2	1,51	GKGCKFRP060
CKFRP080095	80	95	1/2"	55	2	2,58	GKGCKFRP080
CKFRP090105	90	105	1/2"	55	2	3,19	GKGCKFRP080
CKFRP100115	100	115	1/2"	55	2	3,92	GKGCKFRP080

CFD

FOND POUR AMORTISSAGE FIXE
CUSHIONING END PLUG NOT ADJUSTABLE

Code Code	ØAL	ØT	F BSP	Y	S	S1	kg	Boîte Box	Pcs Pcs
CFD0600700625	60	70	3/8"	20	50	2	1,32	Z10CFD0600706	10
CFD0630730625	63	73	3/8"	20	50	2	1,44	Z10CFD0630736	10
CFD0700800625	70	80	3/8"	20	50	2	1,77	Z10CFD0700806	10
CFD0800920825	80	92	1/2"	20	50	2	2,30	Z05CFD0800928	5
CFD1001150825	100	115	1/2"	20	50	2	3,65	Z05CFD1001158	5

MATERIEL : ACIER S355J0 (Fe510C) + BRONZE
 MATERIAL : STEEL S355J0 (Fe510C) + BRONZE

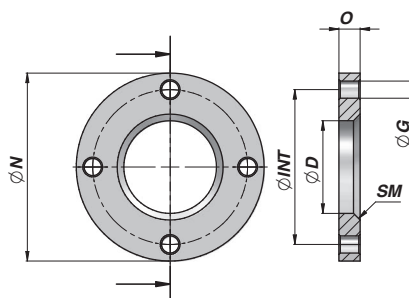
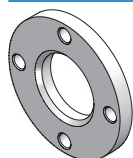


FIXATIONS A SOUDER SUR LE TUBE
WELDABLE ATTACHMENTS ON THE TUBE

[illegible]

CFL

BRIDE
FLANGE



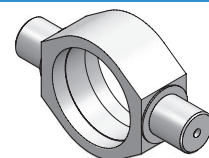
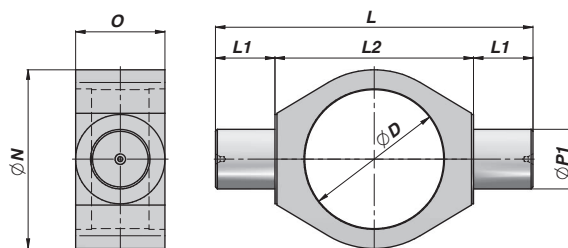
Code Code	ØD (+0,2 +0,3)	ØN	O	ØG	ØINT	SM	kg	Boîte Box	Pcs Pcs
CFL0035072	35	72	10.0	Ø 7 x 4	60	3x45°	0,23	Z50CFL0035072	50
CFL0040080	40	80	12.0	Ø 9 x 4	65	3x45°	0,33	Z25CFL0040080	25
CFL0042089	42	89	12.0	Ø 9 x 4	70	3x45°	0,43	Z20CFL0042089	20
CFL0045095	45	95	12.0	Ø 9 x 4	75	3x45°	0,49	Z20CFL0045095	20
CFL0050109	50	109	12.5	Ø 11 x 4	87	4x45°	0,66	Z25CFL0050109	25
CFL0055123	55	123	14.5	Ø 11 x 4	100	4x45°	1,03	Z15CFL0055123	15
CFL0060128	60	128	14.5	Ø 13 x 4	105	4x45°	1,09	Z20CFL0060128	20
CFL0065135	65	135	15.5	Ø 13 x 4	110	4x45°	1,26	Z10CFL0065135	10
CFL0070142	70	142	16.5	Ø 13 x 4	117	5x45°	1,50	Z10CFL0070142	10
CFL0073145	73	145	16.5	Ø 13 x 4	120	5x45°	1,50	Z10CFL0073145	10
CFL0075152	75	152	16.5	Ø 13 x 4	125	5x45°	1,68		
CFL0080162	80	162	16.5	Ø 15 x 4	127	5x45°	1,94		
CFL0090175	90	175	18.5	Ø 15 x 4	145	5x45°	2,44		
CFL0095181	95	181	18.5	Ø 17 x 6	149	7x45°	2,53		
CFL0100188	100	188	18.5	Ø 17 x 6	155	7x45°	2,81		
CFL0105188	105	188	24.5	Ø 17 x 6	156	8x45°	3,44		
CFL0115194	115	194	24.5	Ø 17 x 6	162	8x45°	3,47		
CFL0125228	123	228	28.0	Ø 21 x 6	190	8x45°	5,93		
CFL0140240	138	240	28.0	Ø 21 x 6	200	8x45°	6,05		
CFL0145250	143	250	28.0	Ø 21 x 6	210	8x45°	6,65		
CFL0160280	158	280	33.0	Ø 23 x 6	230	10x45°	9,98		
CFL0170300	168	300	38.0	Ø 25 x 6	250	12x45°	13,24		
CFL0180325	178	325	38.0	Ø 28 x 6	270	12x45°	15,84		

MATERIEL : ACIER S355JO (Fe510C)

MATERIAL : STEEL S355JO (Fe510C)

TOURILLON
WELD-ON TRUNNION

CPB

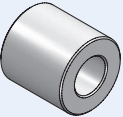
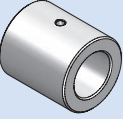
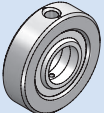
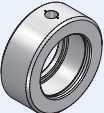
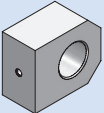
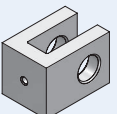
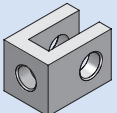
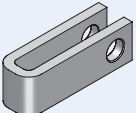


Code Code	ØD	ØP1 (+0,0 -0,1)	L1	L	ØN	O	L2	kg
CPB0351515	35	15	15	80	45	20	50	0,17
CPB0401515	40	15	15	80	50	20	50	0,16
CPB0422020	42	20	20	95	55	25	55	0,31
CPB0452020	45	20	20	100	60	25	60	0,36
CPB0100000	50	20	20	110	65	30	70	0,52
CPB0552020	55	20	20	115	70	30	75	0,52
CPB0200000	60	25	25	130	75	35	80	0,79
CPB0652525	65	25	25	140	85	35	90	0,95
CPB0300000	70	30	30	160	90	45	100	1,57
CPB0733030	73	30	30	160	95	45	100	1,57
CPB0753030	75	30	30	160	95	45	100	1,51
CPB0400000	80	35	35	180	100	50	110	2,03
CPB0903535	90	35	35	185	115	50	115	2,21
CPB0500000	92	40	40	195	115	55	115	2,60
CPB0501000	95	40	40	195	115	55	115	2,40
CPB1004040	100	40	40	200	120	55	120	2,46
CPB0550000	105	45	45	215	125	60	125	3,00
CPB0600000	115	50	50	245	145	70	145	5,30
CPB1255050	125	50	50	260	160	70	160	5,59
CPB0800000	140	60	60	290	170	80	170	7,70
CPB1456060	145	60	60	300	180	80	180	8,56
CPB1606060	160	60	60	320	200	100	200	12,79
CPB1707060	170	70	60	330	205	100	210	13,47
CPB1808060	180	80	60	350	225	105	230	18,24

TOLERANCE - TOLERANCE : ØD ≤100 = +0,2 +0,3 - ØD >100 = +0,3 +0,4

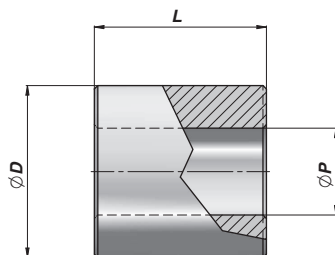
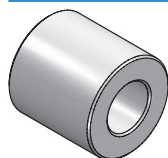
MATERIEL : ACIER S355J0 (Fe510C)
 MATERIAL : STEEL S355J0 (Fe510C)

FIXATIONS ENDS

	Description - Description	Type	Page
	DOUILLE BUSH	CB	114
	DOUILLE TYPE "CBF" BUSH - "CBF" TYPE	CBF	114
	BAGUE A SOUDER POUR ROTULE "GE" WELD-RING FOR "GE" BALL-JOINT	CAGE	115
	BAGUE A SOUDER AVEC ROTULE "GE" MONTEE NON USINEE WELD-RING WITH NOT CHANFREINED "GE" BALL-JOINT	CAGEG	115
	BAGUE A SOUDER POUR ROTULE "GE" WELD-RING FOR "GE" BALL-JOINT	CAGEN	116
	CHAPE MALE MALE CLEVIS	COF	116
	CHAPE FEMELLE A SOUDER WELDABLE FORK	CFS	117
	CHAPE FEMELLE TARAUEE THREADED FORK	CFF	117
	CHAPE FEMELLE A SOUDER WELDABLE BENT FORK	CFP	118

CB

DOUILLE
BUSH

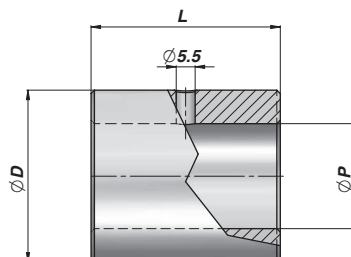
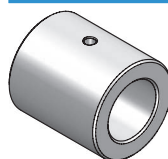


Code Code	ØP	ØD	L	kg	Boîte Box	Pcs Pcs
CB16035030	16.25	35	30	0,18	Z50CB16035030	50
CB16035060	16.25	35	60	0,36	Z50CB16035060	50
CB20040040	20.25	40	40	0,29	Z50CB20040040	50
CB20040070	20.25	40	70	0,50	Z25CB20040070	25
CB25050050	25.25	50	50	0,56	Z50CB25050050	50
CB25050080	25.25	50	80	0,89	Z20CB25050080	20
CB25050090	25.25	50	90	1,02	Z25CB25050090	25
CB30060060	30.25	60	60	0,97	Z20CB30060060	20
CB30060110	30.25	60	110	1,79	Z10CB30060110	10
CB40070070	40.25	70	70	1,60	Z10CB40070070	10
CB40070130	40.25	70	130	2,65	Z05CB40070130	5

MATERIEL : ACIER S355J0 (Fe510C)
MATERIAL : STEEL S355J0 (Fe510C)

CBF

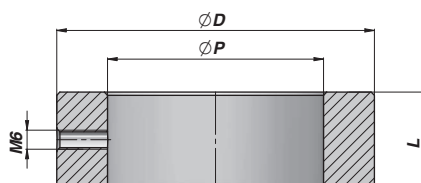
DOUILLE TYPE "CBF"
BUSH - "CBF" TYPE



Code Code	ØP	ØD	L	kg	Boîte Box	Pcs Pcs
CBF0012025025	12.10	25	25	0,07	Z00CBF0012025025	100
CBF0016030035	16.20	30	35	0,14	Z50CBF0016030035	50
CBF1020035040	20.25	35	40	0,20	Z50CBF1020035040	50
CBF0020040040	20.50	40	40	0,28	Z50CBF0020040040	50
CBF1025040045	25.25	40	45	0,30	Z50CBF1025040045	50
CBF0025050045	25.50	50	45	0,50	Z20CBF0025050045	20
CBF1030050055	30.25	50	55	0,50	Z20CBF1030050055	20
CBF0030050055	30.50	50	55	0,53	Z20CBF0030050055	20
CBF1030060070	30.25	60	70	1,20	Z10CBF1030060070	10
CBF0030065070	30.50	65	70	1,40	Z12CBF0030065070	12
CBF0035065060	35.50	65	60	1,09	Z10CBF0035065060	10
CBF0035065120	35.50	65	120	2,19	Z10CBF0035065120	10
CBF0050085080	50.50	85	80	2,30	Z08CBF0050085080	8
CBF0050085140	50.50	85	140	4,03	Z06CBF0050085140	6
CBF0060100090	60.50	100	90	3,51	Z05CBF0060100090	5
CBF0060100150	60.50	100	150	5,85	Z04CBF0060100150	4

MATERIEL : ACIER S355J0 (Fe510C)
MATERIAL : STEEL S355J0 (Fe510C)

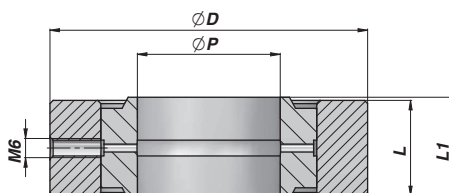
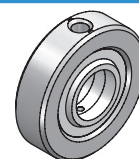
SUR DEMANDE : GRAISSEUR
ON REQUEST : GREASE NIPPLE

BAGUE A SOUDER POUR ROTULE "GE"
WELD-RING FOR "GE" BALL-JOINT
CAGE

Code Code	Per For	ØD	L	ØP	kg	Boîte Box	Pcs Pcs
CAGE040026	GE ø15	40	11	26	0,06	Z0BCAGE040026	200
CAGE050035	GE ø20	50	14	35	0,11	Z0BCAGE050035	200
CAGE069042	GE ø25	69	19	42	0,35	Z50CAGE069042	50
CAGE075047	GE ø30	75	20	47	0,41	Z50CAGE075047	50
CAGE080055	GE ø35	80	22	55	0,45	Z25CAGE080055	25
CAGE094062	GE ø40	94	26	62	0,79	Z20CAGE094062	20
CAGE100068	GE ø45	100	30	68	0,98	Z10CAGE100068	10
CAGE120075	GE ø50	120	33	75	1,78	Z10CAGE120075	10
CAGE138090	GE ø60	138	40	90	2,69	Z05CAGE138090	5

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)
 MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

SUR DEMANDE : GRAISSEUR
 ON REQUEST : GREASE NIPPLE

BAGUE A SOUDER AVEC ROTULE "GE" MONTEE NON USINEE
WELD-RING WITH NOT CHANFREINED "GE" BALL-JOINT
CAGEG

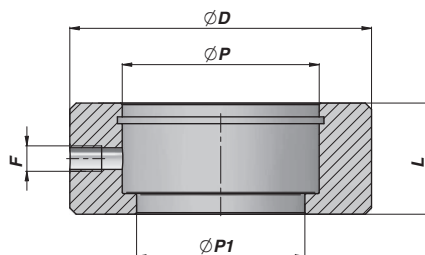
Code Code	ØP	ØD	L	L1	kg	Boîte Box	Pcs Pcs
CAGEG04002615	15	40	11	12	0,08	Z0BCAGEG04002615	200
CAGEG05003520	20	50	14	16	0,17	Z00CAGEG05003520	100
CAGEG06904225	25	69	19	20	0,46	Z25CAGEG06904225	25
CAGEG07504730	30	75	20	22	0,55	Z25CAGEG07504730	25
CAGEG08005535	35	80	22	25	0,67	Z25CAGEG08005535	25
CAGEG09406240	40	94	26	28	1,09	Z20CAGEG09406240	20
CAGEG10006845	45	100	30	32	1,38	Z10CAGEG10006845	10
CAGEG12007550	50	120	33	35	2,32	Z10CAGEG12007550	10
CAGEG13809060	60	138	40	44	3,69	Z05CAGEG13809060	5

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)
 MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

SUR DEMANDE : GRAISSEUR
 ON REQUEST : GREASE NIPPLE

CAGEN

BAGUE A SOUDER POUR ROTULE "GE"
WELD-RING FOR "GE" BALL-JOINT



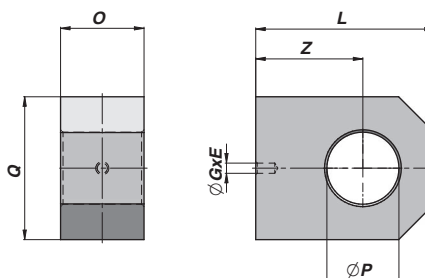
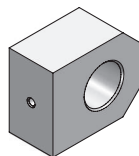
Code Code	Per For	ØD	L	ØP	ØP1	F	kg	Boîte Box	Pcs Pcs
CAGEN04015015	GE ø15	40	15	26	22	M6	0,09	Z00CAGEN04015	100
CAGEN05019020	GE ø20	50	19	35	29	M6	0,15	Z00CAGEN05019	100
CAGEN06023025	GE ø25	60	23	42	35	M6	0,26	Z50CAGEN06023	50
CAGEN07028030	GE ø30	70	28	47	40	M6	0,47	Z50CAGEN07028	50
CAGEN08530035	GE ø35	85	30	55	47	M6	0,79	Z20CAGEN08530	20
CAGEN09535040	GE ø40	95	35	62	53	M8	1,14	Z10CAGEN09535	10
CAGEN11040045	GE ø45	110	40	68	60	M8	1,87	Z10CAGEN11040	10
CAGEN12040050	GE ø50	120	40	75	66	M8	2,18	Z05CAGEN12040	5
CAGEN13850060	GE ø60	138	50	90	80	M8	3,40	Z02CAGEN13850	2

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)
MATERIEL : STEEL S355JO (Fe510C) - S355JR (A105)

SUR DEMANDE : GRAISSEUR
ON REQUEST : GREASE NIPPLE

COF

CHAPE MALE
MALE CLEVIS

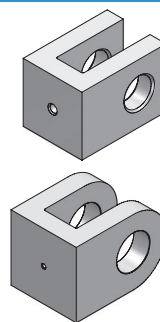
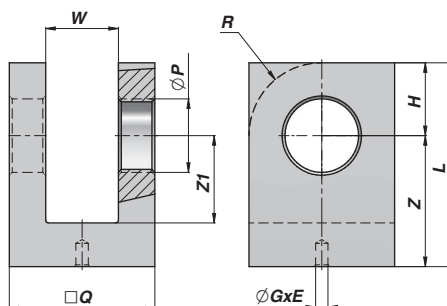


Code Code	ØP	Q	O	Z	L	ØGxE	kg	Boîte Box	Pcs Pcs
COF1600000	16,20	35	20	25	42	ø 4,25 x 8	0,19	Z00COF1600000	100
COF2000000	20,25	45	25	30	50	ø 4,25 x 8	0,36	Z50COF2000000	50
COF2500000	25,25	50	30	35	60	ø 4,25 x 8	0,56	Z25COF2500000	25
COF3000000	30,25	60	35	45	75	ø 4,25 x 8	0,98	Z20COF3000000	20
COF3500000	35,25	70	40	55	90	ø 4,25 x 8	1,61	Z10COF3500000	10
COF4000000	40,25	70	40	60	95	ø 4,25 x10	1,62	Z10COF4000000	10
COF5000000	50,50	90	40	75	120	ø 4,25 x10	2,64	Z05COF5000000	5
COF6000000	60,50	100	50	90	140	ø 4,25 x10	4,22	Z05COF6000000	5

MATERIEL : ACIER S235JR (Fe360/Fe360B)
MATERIEL : STEEL S235JR (Fe360/Fe360B)

CHAPE FEMELLE A SOUDER
WELDABLE FORK

CFS



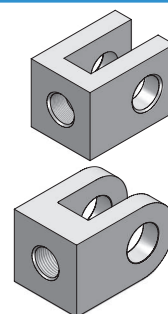
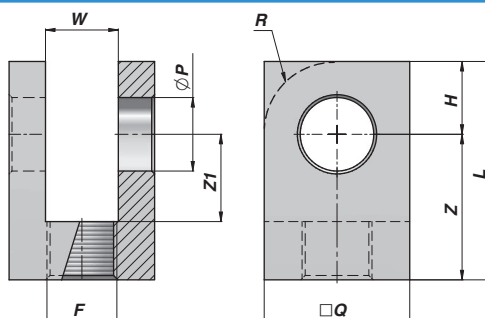
Code Code	ØP	ØQ	W	Z	Z1	H	L	R	ØGxE	kg	Boîte Box	Pcs Pcs
CFS0000016	16.20	35	16	34	24	16	50	-	Ø 4.25 x 6	0,27	Z50CFS1600000	50
CFS0000020	20.25	40	20	40	30	20	60	-	Ø 4.25 x 6	0,38	Z50CFS2000000	50
CFS0000025	25.25	50	25	45	30	25	70	-	Ø 4.25 x 8	0,71	Z25CFS2500000	25
CFS0000030	30.25	60	30	50	35	30	80	30	Ø 4.25 x 8	1,10	Z20CFS3000000	20
CFS0000035	35.25	70	35	55	40	35	90	35	Ø 4.25 x 8	1,60	Z10CFS3500000	10
CFS0000040	40.25	80	40	70	50	40	110	40	Ø 4.25 x10	2,70	Z05CFS4000000	5
CFS0000050	50.50	100	50	95	60	50	145	50	Ø 6.25 x12	5,86		
CFS0000060	60.50	110	60	105	65	55	160	55	Ø 6.25 x12	7,34		

MATERIEL : ACIER S235JR (Fe360/Fe360B)

MATERIAL : STEEL S235JR (Fe360/Fe360B)

CHAPE FEMELLE TARAUEE
THREADED FORK

CFF



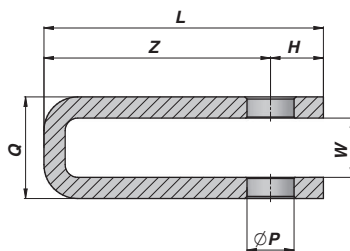
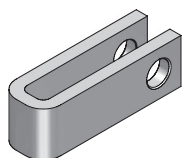
Code Code	ØP	ØQ	W	Z	Z1	H	L	R	F	kg	Boîte Box	Pcs Pcs
CFF0161615	16.20	35	16	39	24	16	55	-	M16x1.5	0,30	Z50CFF0161615	50
CFF0202015	20.25	40	20	45	30	20	65	-	M20x1.5	0,40	Z50CFF0202015	50
CFF0252420	25.25	50	25	50	30	25	75	-	M24x2	0,75	Z25CFF0252420	25
CFF0303020	30.25	60	30	65	35	30	95	30	M30x2	1,46	Z10CFF0303020	10
CFF0353320	35.25	70	35	75	40	35	110	35	M33x2	1,67	Z10CFF0353320	10
CFF0403320	40.25	80	40	85	50	40	125	40	M33x2	3,20	Z05CFF0403320	5
CFF0504530	50.50	100	50	100	60	50	150	50	M45x3	5,82		
CFF0605640	60.50	110	60	110	65	55	165	55	M56x4	7,07		

MATERIEL : ACIER S235JR (Fe360/Fe360B)

MATERIAL : STEEL S235JR (Fe360/Fe360B)

CFP

CHAPE FEMELLE A SOUDER
WELDABLE BENT FORK



Code Code	ØP	Q	W	Z	H	L	Section Section	kg
CFP4010125	20.25	40.5	20.5	105	20	125	40 x 10	0,78
CFP4510067	20.25	43.0	23.0	40	27	67	45 x 10	0,49
CFP4510132	22.25	48.0	28.0	107	25	132	45 x 10	0,95
CFP5015135	26.25	52.0	22.0	110	25	135	50 x 15	1,55
CFP5015140	26.25	63.0	33.0	110	30	140	50 x 15	1,68
CFP6020175	26.25	75.0	35.0	145	30	175	60 x 20	3,37
CFP6020180	28.25	80.0	40.0	150	30	180	60 x 20	3,49

MATERIEL : ACIER S235J0 (Fe360C)

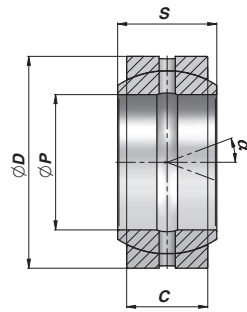
MATERIAL : STEEL S235J0 (Fe360C)

ROTULE "GE" "GE" BEARINGS

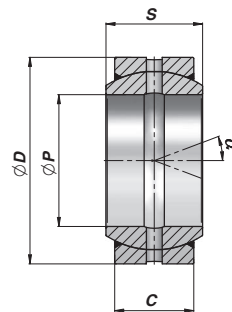
[illegible]

TABLEAU COMPARATIF ROTULES "GE"
CROSS REFERENCE SPHERICAL PLAIN BEARINGS

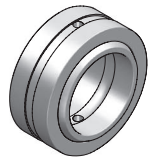
CONTARINI	SKF	INA	International Reference
GE ... DO	GE ... E/ES	GE ... DO	GE ... E/ES
GE ... DO2RS	GE ... ES-2RS	GE ... DO-2RS	GE ... ES-2RS
GE ... LO	GEG ... ES	GE ... LO	GEEW ... ES
GE ... HO2RS	GEM ... ES-2RS	GE ... HO-2RS	GEEM ... ES-2RS
GE ... FO	GEH ... ES	GE ... FO	GEG ... ES
GE ... FO2RS	GEH ... ES-2RS	GE ... FO-2RS	GEG ... ES-2RS
GE ... UK	GE ... C	GE ... UK	GE ... C
GE ... UK2RS	GE ... TXE-2LS / TXA-2LS	GE ... UK-2RS	GE ... ET-2RS
GE ... FW	GEH ... C	GE ... FW	GEG ... C
GE ... FW2RS	GEH ... TXE-2LS / TXA-2LS	GE ... FW-2RS	GEG ... ET/XT ... -2RS
GE ... TGR	GE ... TXGR	-	GE ... ET-X
GE ... TGR2RS	GE ... TXG3E-2LS / TXG3A-2LS	-	GE ... XT ... -2RS X
GE ... ZO	GEZ ... ES	GE ... ZO	GEZ ... ES
GE ... ZO2RS	GEZ ... ES-2RS	GE ... ZO-2RS	GEZ ... ES-2RS
GE ... SX	-	GE ... SX	GAC ... S
GE ... SW	GAC ... F	GE ... SW	GAC ... T
GE ... AX	-	GE ... AX	GX ... S
GE ... AW	GX ... F	GE ... AW	GX ... T

ROTULE RADIALE DEMANDANT ENTRETIEN
RADIAL BALL-JOINT REQUIRING MAINTENANCE
GE DO/GE DO2RS


TYPE DO



TYPE DO...2RS



Code Code Type DO	Code Code Type DO...2RS	ØP	ØD	S	C	α	FC (kN)	kg
*CGE0100000	-	10	19	9	6	12	8.15	0,01
*CGE0120000	-	12	22	10	7	11	10.80	0,01
CGE0150000	CGE0001425	15	26	12	9	8	17.00	0,02
CGE0160000 (A)	-	16	30	14	10	10	21.20	0,03
CGE0170000	CGE0001426	17	30	14	10	10	21.20	0,04
CGE0200000	CGE0001427	20	35	16	12	9	30.00	0,06
CGE0250000	CGE0001428	25	42	20	16	7	48.00	0,11
CGE0300000	CGE0001429	30	47	22	18	6	62.00	0,14
CGE0350000	CGE0001430	35	55	25	20	6	80.00	0,22
CGE0400000	CGE0001431	40	62	28	22	7	100.00	0,30
CGE0450000	CGE0001432	45	68	32	25	7	127.00	0,40
CGE0500000	CGE0001433	50	75	35	28	6	156.00	0,54
CGE0600000	CGE0001434	60	90	44	36	6	245.00	1,00
CGE0700000	CGE0001435	70	105	49	40	6	315.00	1,50
CGE0800000	CGE0001436	80	120	55	45	6	400.00	2,20
CGE0900000	CGE0001437	90	130	60	50	5	490.00	2,70
CGE1000000	CGE0001438	100	150	70	55	7	610.00	4,30
CGE1100000	CGE0001439	110	160	70	55	6	655.00	4,70
CGE1200000	CGE0001440	120	180	85	70	6	950.00	8,00
CGE1400000	CGE0001441	140	210	90	70	7	1080.00	11,00
CGE1600000	CGE0001442	160	230	105	80	8	1370.00	13,50
CGE1800000	CGE0001443	180	260	105	80	6	1530.00	18,50
CGE2000000	CGE0001444	200	290	130	100	7	2120.00	28,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

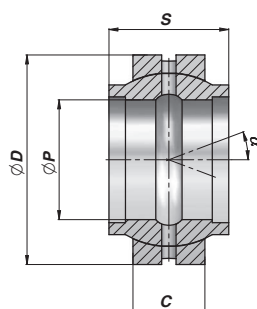
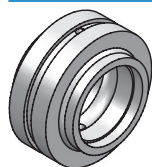
* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

(A) = SANS NORME - OUT OF RULE

ACCOUPLEMENT - COUPLING : ACIER/ACIER - STEEL/STEEL

MATERIEL : ACIER ISO 12240-1 SERIE E
MATERIAL : STEEL ISO 12240-1 SERIES E

GE LO

ROTULE RADIALE DEMANDANT ENTRETIEN
RADIAL BALL-JOINT REQUIRING MAINTENANCE


TYPE LO

Code Code Type LO	ØP	ØD	S	C	α	FC (kN)	kg
CGE0001445	12	22	12	7	4	10.8	0,02
CGE0001446	16	28	16	9	4	17.6	0,03
CGE0001447	20	35	20	12	4	30.0	0,07
CGE0001448	25	42	25	16	4	48.0	0,12
CGE0001449	32	52	32	18	4	67.0	0,20
CGE0001450	40	62	40	22	4	100.0	0,34
CGE0001451	50	75	50	28	4	156.0	0,56
CGE0001452	63	95	63	36	4	255.0	1,20
CGE0001453	70	105	70	40	4	315.0	1,70
CGE0001454	80	120	80	45	4	400.0	2,40
CGE0001455	90	130	90	50	4	490.0	3,20
CGE0001456	100	150	100	55	4	610.0	4,80
CGE0001457	110	160	110	55	4	655.0	5,80
CGE0001458	125	180	125	70	4	950.0	8,50

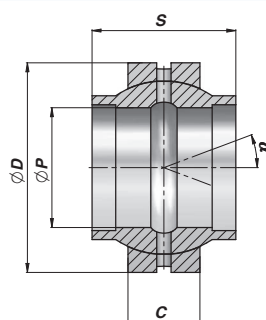
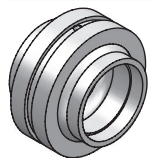
FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

ACCOUPLEMENT - COUPLING: ACIER/ACIER - STEEL/STEEL

MATERIEL : ACIER ISO 12240-1 SERIE W

MATERIAL : STEEL ISO 12240-1 SERIES W

GE H02RS

ROTULE RADIALE DEMANDANT ENTRETIEN
RADIAL BALL-JOINT REQUIRING MAINTENANCE


TYPE H0...2RS

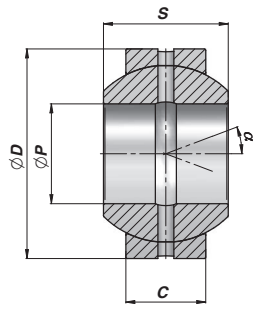
Code Code Type H0...2RS	ØP	ØD	S	C	α	FC (kN)	kg
CGE0001461	20	35	24	12	3	30	0,05
CGE0001462	25	42	29	16	3	48	0,10
CGE0001463	30	47	30	18	3	62	0,14
CGE0001464	35	55	35	20	3	80	0,24
CGE0001465	40	62	38	22	3	100	0,29
CGE0001466	45	68	40	25	3	127	0,43
CGE0001467	50	75	43	28	3	156	0,54
CGE0001468	60	90	54	36	3	245	1,10
CGE0001469	70	105	65	40	3	315	1,60
CGE0001470	80	120	74	45	3	400	2,40

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

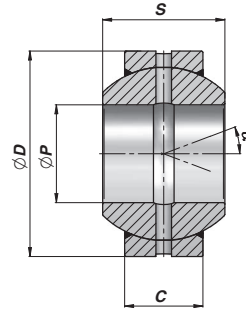
ACCOUPLEMENT - COUPLING: ACIER/ACIER - STEEL/STEEL

MATERIEL : ACIER

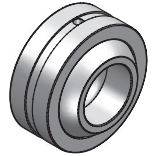
MATERIAL : STEEL

ROTULE RADIALE DEMANDANT ENTRETIEN
RADIAL BALL-JOINT REQUIRING MAINTENANCE
GE FO/GE FO2RS


TYPE FO



TYPE FO...2RS



Code Code Type FO	Code Code Type FO...2RS	ØP	ØD	S	C	α	FC (kN)	kg
*CGE0001474		12	26	15	9	18	17.0	0,03
CGE0001475	CGE0001495	15	30	16	10	16	21.2	0,04
CGE0001476	CGE0001496	17	35	20	12	19	30.0	0,07
CGE0001477	CGE0001497	20	42	25	16	17	48.0	0,15
CGE0001478	CGE0001498	25	47	28	18	17	62.0	0,19
CGE0001479	CGE0001499	30	55	32	20	17	80.0	0,29
CGE0001480	CGE0001500	35	62	35	22	16	100.0	0,39
CGE0001481	CGE0001501	40	68	40	25	17	127.0	0,52
CGE0001482	CGE0001502	45	75	43	28	15	156.0	0,68
CGE0001483	CGE0001503	50	90	56	36	17	245.0	1,40
CGE0001484	CGE0001504	60	105	63	40	17	315.0	2,00
CGE0001485	CGE0001505	70	120	70	45	16	400.0	2,90
CGE0001486	CGE0001506	80	130	75	50	14	490.0	3,50
CGE0001487	CGE0001507	90	150	85	55	15	610.0	5,40
CGE0001488	CGE0001508	100	160	85	55	14	655.0	5,90
CGE0001489	CGE0001509	110	180	100	70	12	950.0	9,70
CGE0001490	CGE0001510	120	210	115	70	16	1080.0	15,00
CGE0001491	CGE0001511	140	230	130	80	16	1370.0	18,50
CGE0001492	CGE0001512	160	260	135	80	16	1530.0	25,00
CGE0001493	CGE0001513	180	290	155	100	14	2120.0	35,50

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

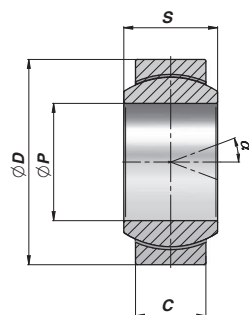
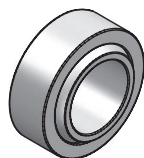
ACCOUPLEMENT - COUPLING : ACIER/ACIER - STEEL/STEEL

MATÉRIEL : ACIER ISO 12240-1 SERIE G

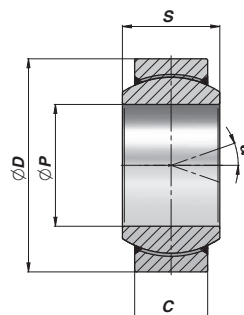
MATERIAL : STEEL ISO 12240-1 SERIES G

GE UK/GE UK2RS

ROTULE RADIALE SANS ENTRETIEN
MAINTENANCE FREE RADIAL BALL-JOINT



TYPE UK



TYPE UK...2RS

Code Code Type UK	Code Code Type UK...2RS	ØP	ØD	S	C	α	FC Type UK (kN)	FC Type UK2RS (kN)	kg
CGE0001518		12	22	10	7	11	11.4		0,01
CGE0001519		15	26	12	9	8	17.6		0,02
CGE0001520	CGE0001525	17	30	14	10	10	22.4	48	0,03
CGE0001521	CGE0001526	20	35	16	12	9	31.5	68	0,06
CGE0001522	CGE0001527	25	42	20	16	7	51.0	130	0,11
CGE0001523	CGE0001528	30	47	22	18	6	65.5	170	0,14
	CGE0001529	35	55	25	20	6		220	0,22
	CGE0001530	40	62	28	22	7		280	0,30
	CGE0001531	45	68	32	25	7		360	0,40
	CGE0001532	50	75	35	28	6		440	0,54
	CGE0001533	60	90	44	36	6		690	1,00
	CGE0001534	70	105	49	40	6		880	1,50
	CGE0001535	80	120	55	45	6		1135	2,20
	CGE0001536	90	130	60	50	5		1375	2,70
	CGE0001537	100	150	70	55	7		1725	4,30
	CGE0001538	110	160	70	55	6		1860	4,70
	CGE0001539	120	180	85	70	6		2700	8,00
	CGE0001540	140	210	90	70	7		3010	11,00
	CGE0001541	160	230	105	80	8		3840	13,50
	CGE0001542	180	260	105	80	6		4320	18,50
	CGE0001543	200	290	130	100	7		6000	28,00

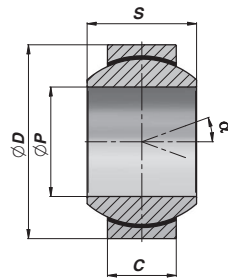
FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

CGE...UK = ACCOUPLEMENT - COUPLING: ACIER SUR BRONZE FRITTÉ/PTFE - STEEL ON SINTERED BRONZE/PTFE

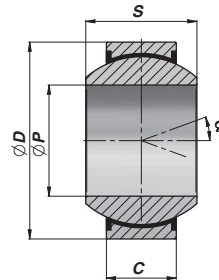
CGE...UK2RS = ACCOUPLEMENT - COUPLING: CHROME DUR/PTFE - HARD CHROMIUM/PTFE

MATERIEL : ACIER ISO 12240-1 SERIE E

MATERIAL : STEEL ISO 12240-1 SERIES E

ROTULE RADIALE SANS ENTRETIEN
MAINTENANCE FREE RADIAL BALL-JOINT
GE FW/GE FW2RS


TYPE FW



TYPE FW...2RS



Code Code Type FW	Code Code Type FW...2RS	ØP	ØD	S	C	α	FC (kN)	kg
CGE0003503		12	26	15	9	18	17.6	0,03
CGE0003504		15	30	16	10	16	22.4	0,04
CGE0003505		17	35	20	12	19	31.5	0,07
CGE0003506		20	42	25	16	17	51.0	0,15
CGE0003507		25	47	28	18	17	65.5	0,19
CGE0003508	CGE0003550	30	55	32	20	17	210.0	0,29
	CGE0003551	35	62	35	22	16	275.0	0,39
	CGE0003552	40	68	40	25	17	360.0	0,52
	CGE0003553	45	75	43	28	15	440.0	0,68
	CGE0003554	50	90	56	36	17	690.0	1,40
	CGE0003555	60	105	63	40	17	885.0	2,00
	CGE0003556	70	120	70	45	16	1125.0	2,90
	CGE0003557	80	130	75	50	14	1380.0	3,50
	CGE0003558	90	150	85	55	15	1720.0	5,40
	CGE0003559	100	160	85	55	14	1840.0	5,90
	CGE0003560	110	180	100	70	12	2685.0	9,70
	CGE0003561	120	210	115	70	16	3015.0	15,00
	CGE0003562	140	230	130	80	16	3845.0	18,50
	CGE0003563	160	260	135	80	16	4320.0	25,00
	CGE0003564	180	290	155	100	14	6000.0	35,50
	CGE0003565	200	320	165	100	15	6600.0	45,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

CGE...FW = ACCOUPLEMENT - COUPLING: ACIER SUR BRONZE FRITTÉ/PTFE - STEEL ON SINTERED BRONZE/PTFE

CGE...FW2RS = ACCOUPLEMENT - COUPLING: CHROME DUR/PTFE - HARD CHROMIUM/PTFE

MATÉRIEL : ACIER ISO 12240-1 SÉRIE G

MATERIAL : STEEL ISO 12240-1 SERIES G

EMBOUITS A ROTULE INDUSTRIELS INDUSTRIAL BALL-JOINT ENDS

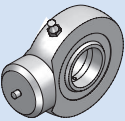
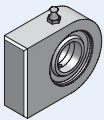
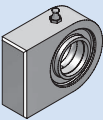
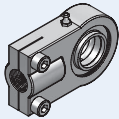
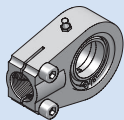
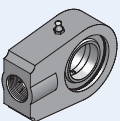
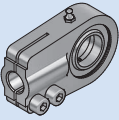
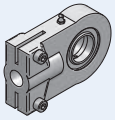
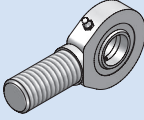
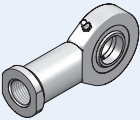
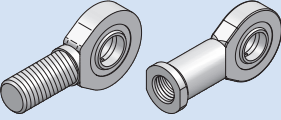
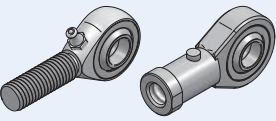
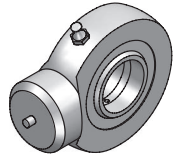
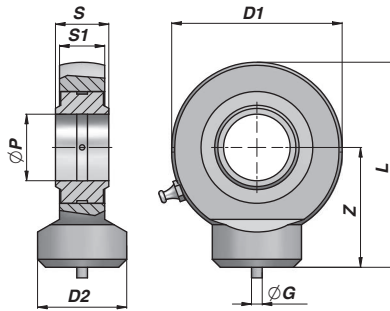
	Description - Description	Type	Page
	TABLEAU COMPARATIF EMBOUTS A ROTULE INDUSTRIELS COMPARATIVE TABLE FOR BALL-JOINT ENDS		128
	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	CSTS...C	129
	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	CSTS...N	129
	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	CSTSCE...N	130
	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	CSTAPR...CE	130
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	EMBOUT A ROTULE SANS LUBRIFICATION MAINTENANCE FREE BALL-JOINT	CSTFE...UK CSTFI...UK	134
	EMBOUT A ROTULE BALL-JOINT END WITH GREASE NIPPLE	CSTFE...PB CSTFI...PB	135

TABLEAU COMPARATIF ROTULES "GE"
CROSS REFERENCE SPHERICAL PLAIN BEARINGS

CONTARINI	SKF	INA	International Reference
CSTS ... C	SC ... ES	GK ... DO	-
CSTS ... N	SCF ... EF	GF ... DO	-
CSTSCE ... N	-	-	-
CSTAPR ... CE	SIQG ... ES	GIHNRK ... LO	-
CSTAPR ... U	SIR ... ES	GIHRK ... DO	-
CSTAPR ... N	SIRD ... ES	GIHR ... DO	-
CSTAPR ... UGAS	-	-	-
CSTAPR ... S	SIJ ... ES	GIHO-K ... DO	-
CSTFE ... DO / ... DO2RS	SI ... E (6÷12) - SI ... ES (15÷30) - SIA ... ES-2RS (35÷80)	GAR ... DO / GAR ... DO-2RS	-
CSTFI ... DO / ... DO2RS	SA ... E (6÷12) - SA ... ES (15÷30) - SAA ... ES-2RS (35÷80)	GIR ... DO / GIR ... DO-2RS	-
CSTFE ... UK / ... UK2RS	SA ... C - SAA ... TXE-2LS	GAR ... UK / GAR ... UK-2RS	-
CSTFI ... UK / ... UK2RS	SI ... C - SIA ... TXE-2LS	GIR ... UK / GIR ... UK-2RS	-
CSTFE ... PB	SAKAC ... M	GAKR ... PB	-
CSTFI ... PB	SIKAC ... M	GIKR ... PB	-
CSTFE ... PW	SAKB ... F	GAKR ... PW	-
CSTFI ... PW	SIKB ... F	GIKR ... PW	-

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE

CSTS...C



Code Code	ØP	Z	S	D1	S1	L	ØD2	ØG	FC (kN)	kg
*CSTS010C00	10	24	9	29	7	38.5	15.0	3	8.15	0,04
*CSTS012C00	12	27	10	34	8	44.0	17.5	3	10.80	0,06
**CSTS015C00	15	31	12	40	10	51.0	21.0	4	17.00	0,12
CSTS016C00 (A)	16	35	14	46	11	58.0	24.0	4	19.00	0,17
**CSTS017C00	17	35	14	46	11	58.0	24.0	4	21.20	0,18
CSTS020C00	20	38	16	53	13	64.5	27.5	4	30.00	0,26
CSTS025C00	25	45	20	64	17	77.0	33.5	4	48.00	0,45
CSTS030C00	30	51	22	73	19	87.5	40.0	4	62.00	0,67
CSTS035C00	35	61	25	82	21	102.0	47.0	4	80.00	1,02
CSTS040C00	40	69	28	92	23	115.0	52.0	4	100.00	1,40
CSTS045C00	45	77	32	102	27	128.0	58.0	6	127.00	1,93
CSTS050C00	50	88	35	112	30	144.0	62.0	6	156.00	2,69
CSTS060C00	60	100	44	135	38	167.5	70.0	6	245.00	4,60
CSTS070C00	70	115	49	160	42	195.0	80.0	6	315.00	7,00
CSTS080C00	80	141	55	180	47	231.0	95.0	6	400.00	11,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

(A) = SANS NORME - OUT OF RULE

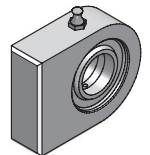
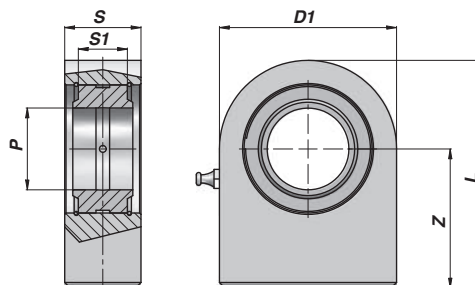
* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

** = GRAISSAGE PAR TROU - LUBRICATING HOLE IN THE HEAD

MATERIEL : ACIER ISO 12240-1 SERIE E - TYPE S
 MATERIAL : STEEL ISO 12240-1 SERIES E - TYPE S

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE

CSTS...N



Code Code	ØP	Z	S	D1	S1	L	FC (kN)	kg
CSTS015N00	15	31	16.0	45	12	53.5	17.0	0,22
**CSTS016N00 (A)	16	35	17.5	48	14	59.0	21.2	0,29
CSTS017N00	17	35	17.5	48	14	59.0	21.2	0,29
CSTS020N00	20	38	19.0	50	16	63.0	30.0	0,36
CSTS025N00	25	45	23.0	55	20	72.5	48.0	0,53
CSTS030N00	30	51	28.0	65	22	83.5	62.0	0,85
CSTS035N00	35	61	30.0	83	25	102.5	80.0	1,50
CSTS040N00	40	69	35.0	100	28	119.0	100.0	2,42
CSTS045N00	45	77	40.0	110	32	132.0	127.0	3,39
CSTS050N00	50	88	40.0	123	35	149.5	156.0	4,24
CSTS060N00	60	100	50.0	140	44	170.0	245.0	7,10
CSTS070N00	70	115	55.0	164	49	197.0	315.0	10,70
CSTS080N00	80	141	60.0	180	55	231.0	400.0	15,10
CSTS090N00 (1)	90	150	65.0	226	60	263.0	490.0	23,40
CSTS100N00 (1)	100	170	70.0	250	70	295.0	610.0	33,10
CSTS110N00 (1)	110	185	80.0	295	70	332.5	655.0	48,50
CSTS120N00 (1)	120	210	90.0	360	85	390.0	950.0	79,50

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

(A) = SANS NORME - OUT OF RULE

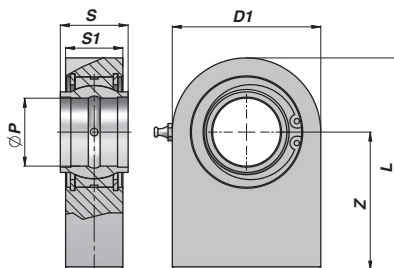
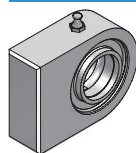
* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

(1) = PANTOGRAPHES - PROFILE PLATE

MATERIEL : ACIER ISO 12240-1 SERIE E
 MATERIAL : STEEL ISO 12240-1 SERIES E

CSTSCE...N

EMBOUIT A ROTULE
BALL-JOINT END WITH GREASE NIPPLE



Code Code	ØP	Z	S	D1	S1	L	FC (kN)	kg
CSTSCE720N	20	38	20	50	19	63.0	30.0	0,36
CSTSCE725N	25	45	25	55	23	72.5	48.0	0,54
CSTSCE732N	32	65	32	70	27	100.0	62.5	1,12
CSTSCE740N	40	69	40	100	35	119.0	100.0	2,50
CSTSCE750N	50	88	50	123	40	149.5	156.0	4,60
CSTSCE763N	63	107	63	145	50	178.0	248.0	9,30
CSTSCE770N	70	115	70	164	55	197.0	315.0	11,25
CSTSCE780N	80	141	80	180	60	231.0	400.0	15,75
CSTSCE790N (1)	90	150	90	226	65	263.0	490.0	24,00
CSTSCE795N (1)	100	170	100	250	70	295.0	610.0	33,95
CSTSCE796N (1)	110	185	110	295	80	332.5	655.0	49,00
CSTSCE797N (1)	125	210	125	360	90	390.0	950.0	81,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

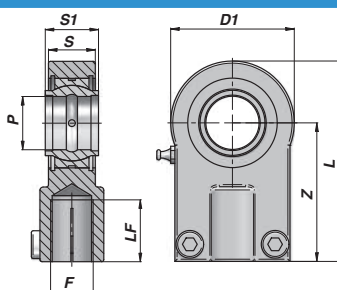
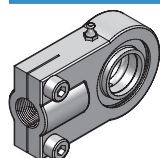
(1) = OXYCOUPAGE - PROFILE PLATE

MATERIEL : ACIER ISO 12240-1 SERIE W

MATERIAL : STEEL ISO 12240-1 SERIES W

CSTAPR...CE

EMBOUIT A ROTULE
BALL-JOINT END WITH GREASE NIPPLE



Code Code	ØP	Z	S	D1 max	S1 max	L	F	LF min	FC (kN)	kg
*CSTAPR612C	12	38	11.0	33.0	12	54	M12x1,25	17	10.8	0,11
CSTAPR616C	16	44	14.0	41.0	16	64	M14x1,5	19	17.6	0,20
CSTAPR620C	20	52	17.5	48.0	20	77	M16x1,5	23	30.0	0,35
CSTAPR625C	25	65	22.0	59.5	25	96	M20x1,5	29	48.0	0,62
CSTAPR632C	32	80	28.0	72.0	32	118	M27x2	37	67.0	1,15
CSTAPR640C	40	97	34.0	91.5	40	146	M33x2	46	100.0	2,18
CSTAPR650C	50	120	42.0	110.5	50	179	M42x2	57	156.0	3,96
CSTAPR663C	63	140	53.5	137.5	63	213	M48x2	64	255.0	6,80
CSTAPR670C (**) (A)	70	160	58.0	158.0	70	245	M56x2	76	315.0	9,60
CSTAPR680C (**) (A)	80	180	68.0	171.5	80	270	M64x3	86	400.0	13,00
CSTAPR690C (**) (A)	90	195	73.0	187.0	90	296	M72x3	91	490.0	19,10
CSTAPR695C (**) (A)	100	210	85.5	212.5	100	322	M80x3	96	610.0	25,00
CSTAPR696C (**) (A)	110	235	89.0	237.0	110	364	M90x3	106	655.0	32,00
CSTAPR697C (**) (A)	125	260	105.0	268.0	125	406,5	M100x3	113	950.0	46,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

(A) = SANS NORME - OUT OF RULE

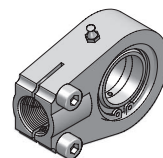
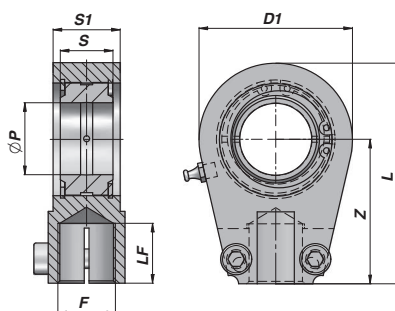
* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

MATERIEL : ACIER DIN 24338 - ISO 6982 - ISO 8132 - (**) = FONTE SPHEROIDALE

MATERIAL : STEEL DIN 24338 - ISO 6982 - ISO 8132 - (**) = NODULAR CAST IRON

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE

CSTAPR...U



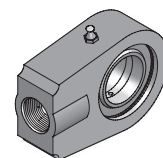
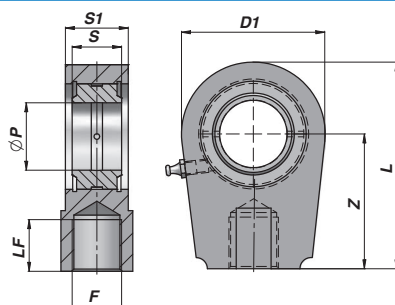
Code Code	ØP	Z	S	D1 max	S1 max	L	F	LF min	FC (kN)	kg
CSTAPR020U	20	50	16	58.0	19.0	80	M16x1.5	17	30	0,44
CSTAPR025U	25	50	20	58.0	23.5	80	M16x1.5	17	48	0,47
CSTAPR030U	30	60	22	66.0	28.5	94	M22x1.5	23	62	0,77
CSTAPR035U	35	70	25	80.0	30.5	112	M28x1.5	29	80	1,24
CSTAPR040U	40	85	28	96.0	35.5	135	M35x1.5	36	100	2,12
CSTAPR050U	50	105	35	118.0	40.5	168	M45x1.5	46	156	3,74
CSTAPR060U	60	130	44	132.0	50.5	200	M58x1.5	59	245	6,49
CSTAPR070U	70	150	49	157.0	55.5	232	M65x1.5	66	315	9,88
CSTAPR080U	80	170	55	179.0	60.5	265	M80x2	81	400	14,20
CSTAPR090U (**)	90	210	60	208.0	65.5	322	M100x2	101	490	20,00
CSTAPR100U (**)	100	235	70	233.5	70.5	360	M110x2	111	610	27,50
CSTAPR110U (**)	110	265	70	268.0	80.5	407,5	M120x3	125	655	45,60
CSTAPR120U (**)	120	310	85	345.0	90.5	490	M130x3	135	950	72,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER ISO 12240-1 SERIE W - (**) = FONTE SPHEROIDALE
 MATERIAL : STEEL ISO 12240-1 SERIES W - (**) = NODULAR CAST IRON

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE

CSTAPR...N

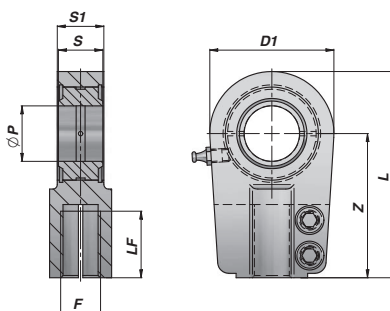
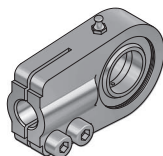


Code Code	ØP	Z	S	D1 max	S1 max	L	F	LF min	FC (kN)	kg
CSTAPR020N	20	50	16	58.0	19.0	80	M16x1.5	17	30	0,45
CSTAPR025N	25	50	20	58.0	23.5	80	M16x1.5	17	48	0,49
CSTAPR030N	30	60	22	66.0	28.5	94	M22x1.5	23	62	0,76
CSTAPR035N	35	70	25	80.0	30.5	112	M28x1.5	29	80	1,26
CSTAPR040N	40	85	28	96.0	35.5	135	M35x1.5	36	100	2,15
CSTAPR050N	50	105	35	118.0	40.5	168	M45x1.5	46	156	3,80
CSTAPR060N	60	130	44	132.0	50.5	200	M58x1.5	59	245	6,20
CSTAPR070N	70	150	49	157.0	55.5	232	M65x1.5	66	315	9,83
CSTAPR080N	80	170	55	179.0	60.5	265	M80x2	81	400	13,97
CSTAPR090N (**)	90	210	60	208.0	65.5	322	M100x2	101	490	23,50
CSTAPR100N (**)	100	235	70	233.5	70.5	360	M110x2	111	610	32,00
CSTAPR110N (**)	110	265	70	268.0	80.5	407	M120x3	125	655	41,00
CSTAPR120N (**)	120	310	85	345.0	90.5	490	M130x3	135	950	72,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER ISO 12240-1 SERIE E - (**) = FONTE SPHEROIDALE
 MATERIAL : STEEL ISO 12240-1 SERIES E - (**) = NODULAR CAST IRON

CSTAPR...UGAS

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE

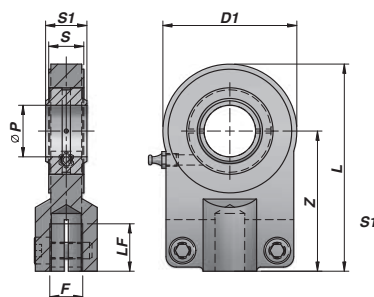
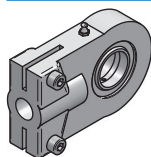
Code Code	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
CSTAPR025UGAS	25	65	20	56	23	95	M18x2	30	48	0,65
CSTAPR030UGAS	30	75	22	64	28	109	M24x2	35	62	1,00
CSTAPR035UGAS	35	90	25	78	30	132	M30x2	45	80	1,30
CSTAPR040UGAS	40	105	28	94	35	155	M39x3	55	100	2,40
CSTAPR050UGAS	50	135	35	116	40	198	M50x3	75	156	4,10
CSTAPR060UGAS	60	170	44	130	50	240	M64x3	95	245	6,50
CSTAPR070UGAS (**)	70	195	49	154	55	278	M80x3	110	315	9,50
CSTAPR080UGAS (**)	80	210	55	176	60	305	M90x3	120	400	16,00
CSTAPR090UGAS (**)	90	250	60	206	65	363	M100x3	140	490	28,00
CSTAPR100UGAS (**)	100	275	70	230	70	400	M110x4	150	610	34,00
CSTAPR110UGAS (**)	110	300	70	264	80	442	M120x4	160	650	44,00
CSTAPR120UGAS (**)	120	360	85	340	90	540	M150x4	190	950	75,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATÉRIEL : ACIER ISO 12240-1 SERIE E - (**) = FONTE SPHEROÏDALE

MATERIAL : STEEL ISO 12240-1 SERIES E - (**) = NODULAR CAST IRON

CSTAPR...S

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE

Code Code	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
*CSTAPR701D	12	42	8	35	10	58	M10x1.25	15	10.8	0,12
**CSTAPR702D (A)	16	48	11	45	14	69	M12x1.25	17	21.1	0,22
**CSTAPR703D	20	58	13	55	16	83	M14x1.5	19	30.0	0,46
CSTAPR704D	25	68	17	65	20	99	M16x1.5	23	48.0	0,67
CSTAPR705D	30	85	19	80	22	123	M20x1.5	29	62.0	1,25
CSTAPR706D	40	105	23	100	28	153	M27x2	37	100.0	2,16
CSTAPR707D	50	130	30	120	35	188	M33x2	46	156.0	3,90
CSTAPR708D	60	150	38	160	44	230	M42x2	57	245.0	7,15
CSTAPR709D (**)	80	185	46	205	55	287.5	M48x2	64	400.0	15,00
CSTAPR710D (**)	100	240	55	240	70	357.5	M64x3	86	610.0	27,30

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

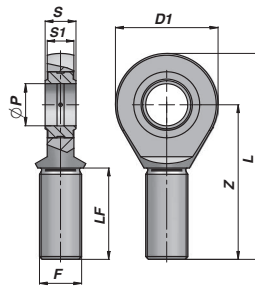
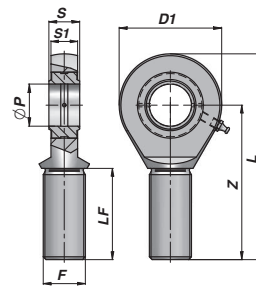
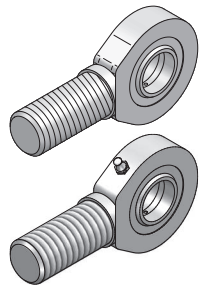
(A) = SANS NORME - OUT OF RULE

* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

** = GRAISSAGE PAR TROU - LUBRICATING HOLE IN THE HEAD

MATÉRIEL : ACIER DIN 24555 - ISO 8133 - (**) = FONTE SPHEROÏDALE

MATERIAL : STEEL DIN 24555 - ISO 8133 - (**) = NODULAR CAST IRON

EMBOUT A ROTULE
BALL-JOINT END WITH GREASE NIPPLE
CSTFE...DO**TFE 6-20 DO/D02RS****TFE 25-80 DO/D02RS**

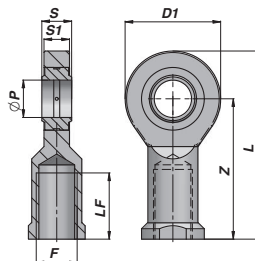
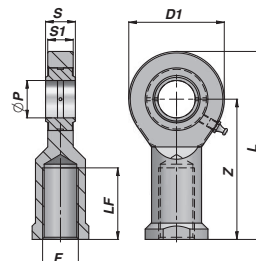
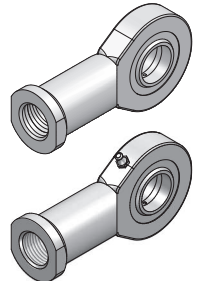
Code Code Type DO	Code Code Type DO...2RS	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
*CSTFE906DO		6	36	6	21	4.3	46.5	M6x1	18	3.4	0,01
*CSTFE908DO		8	42	8	24	6.0	54.0	M8x1.25	22	5.5	0,03
*CSTFE910DO		10	48	9	29	7.0	62.5	M10x1.5	27	8.1	0,05
*CSTFE912DO		12	54	10	34	8.0	71.0	M12x1.75	30	10.8	0,08
**CSTFE915DO		15	63	12	40	10.0	83.0	M14x2	34	17.0	0,14
**CSTFE917DO	**CSTFE917D2	17	69	14	46	11.0	92.0	M16x2	36	21.2	0,19
**CSTFE920DO	**CSTFE920D2	20	78	16	53	13.0	104.5	M20x1.5	43	30.0	0,31
CSTFE925DO	CSTFE925D2	25	94	20	64	17.0	126.0	M24x2	53	48.0	0,56
CSTFE930DO	CSTFE930D2	30	110	22	73	19.0	146.5	M30x2	65	62.0	0,89
CSTFE935DO	CSTFE935D2	35	140	25	82	21.0	181.0	M36x3	82	80.0	1,40
CSTFE940DO	CSTFE940D2	40	150	28	92	23.0	196.0	M39x3	86	100.0	1,80
CSTFE945DO	CSTFE945D2	45	163	32	102	27.0	218.0	M42x3	94	127.0	2,60
CSTFE950DO	CSTFE950D2	50	185	35	112	30.0	241.0	M45x3	106	156.0	3,40
CSTFE960DO	CSTFE960D2	60	210	44	135	38.0	277.5	M52x3	115	245.0	5,90
CSTFE970DO	CSTFE970D2	70	235	49	160	42.0	315.0	M56x4	125	315.0	8,20
CSTFE980DO	CSTFE980D2	80	270	55	180	47.0	360.0	M64x4	140	400.0	13,10

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

** = GRAISSAGE PAR TROU - LUBRICATING HOLE IN THE HEAD

MATÉRIEL : ACIER ISO 12240-4 SERIE E TYPE M - MATERIAL : STEEL ISO 12240-4 SERIES E TYPE M

EMBOUT A ROTULE
BALL-JOINT END WITH GREASE NIPPLE
CSTFI...DO**TFI 6-20 DO/D02RS****TFI 25-80 DO/D02RS**

Code Code Type DO	Code Code Type DO...2RS	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
*CSTFI806DO		6	30	6	21	4.3	40.5	M6x1	11	3.4	0,02
*CSTFI808DO		8	36	8	24	6.0	48.0	M8x1.25	15	5.5	0,04
*CSTFI810DO		10	43	9	29	7.0	57.5	M10x1.5	20	8.1	0,06
*CSTFI812DO		12	50	10	34	8.0	67.0	M12x1.75	24	10.8	0,09
**CSTFI815DO		15	61	12	40	10.0	81.0	M14x2	30	17.0	0,18
**CSTFI817DO	**CSTFI817D2	17	67	14	46	11.0	90.0	M16x2	34	21.2	0,22
**CSTFI820DO	**CSTFI820D2	20	77	16	53	13.0	103.5	M20x1.5	40	30.0	0,35
CSTFI825DO	CSTFI825D2	25	94	20	64	17.0	126.0	M24x2	48	48.0	0,64
CSTFI830DO	CSTFI830D2	30	110	22	73	19.0	146.5	M30x2	56	62.0	0,93
CSTFI835DO	CSTFI835D2	35	125	25	82	21.0	166.0	M36x3	60	80.0	1,30
CSTFI840DO	CSTFI840D2	40	142	28	92	23.0	188.0	M39x3	67	100.0	2,01
CSTFI845DO	CSTFI845D2	45	145	32	102	27.0	196.0	M42x3	65	127.0	2,50
CSTFI850DO	CSTFI850D2	50	160	35	112	30.0	216.0	M45x3	69	156.0	3,50
CSTFI860DO	CSTFI860D2	60	175	44	135	38.0	242.0	M52x3	73	245.0	5,50
CSTFI870DO	CSTFI870D2	70	200	49	160	42.0	280.0	M56x4	80	315.0	8,60
CSTFI880DO	CSTFI880D2	80	230	55	180	47.0	320.0	M64x4	85	400.0	12,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

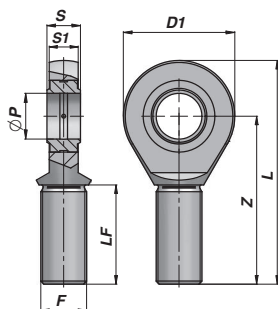
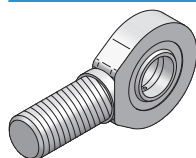
* = SANS GRAISSEUR - WITHOUT GREASE NIPPLE

** = GRAISSAGE PAR TROU - LUBRICATING HOLE IN THE HEAD

MATÉRIEL : ACIER ISO 12240-4 SERIE E TYPE F - MATERIAL : STEEL ISO 12240-4 SERIES E TYPE F

CSTFE...UK

EMBOU A ROTULE SANS LUBRIFICATION
MAINTENANCE FREE BALL-JOINT



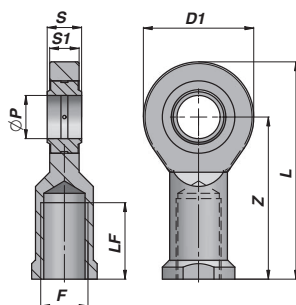
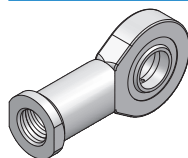
Code Code Type UK	Code Code Type UK...2RS	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
CSTF1106UK		6	36	6	21	4.3	46.5	M6x1	18	3.6	0,01
CSTF1108UK		8	42	8	24	6.0	54.0	M8x1.25	22	5.8	0,03
CSTF1110UK		10	48	9	29	7.0	62.5	M10x1.5	27	8.6	0,05
CSTF1112UK		12	54	10	34	8.0	71.0	M12x1.75	30	11.4	0,08
CSTF1115UK		15	63	12	40	10.0	83.0	M14x2	34	17.6	0,14
CSTF1117UK	CSTF1117U2	17	69	14	46	11.0	92.0	M16x2	36	22.4	0,19
CSTF1120UK	CSTF1120U2	20	78	16	53	13.0	104.5	M20x1.5	43	31.5	0,31
CSTF1125UK	CSTF1125U2	25	94	20	64	17.0	126.0	M24x2	53	51.0	0,56
CSTF1130UK	CSTF1130U2	30	110	22	73	19.0	146.5	M30x2	65	65.5	0,89
	CSTF1135U2	35	140	25	82	21.0	181.0	M36x3	82	112.0	1,40
	CSTF1140U2	40	150	28	92	23.0	196.0	M39x3	86	140.0	1,80
	CSTF1145U2	45	163	32	102	27.0	218.0	M42x3	94	180.0	2,60
	CSTF1150U2	50	185	35	112	30.0	241.0	M45x3	106	220.0	3,40
	CSTF1160U2	60	210	44	135	38.0	277.5	M52x3	115	345.0	5,90
	CSTF1170U2	70	235	49	160	42.0	315.0	M56x4	125	440.0	8,20
	CSTF1180U2	80	270	55	180	47.0	360.0	M64x4	140	570.0	12,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER ISO 12240-4 SERIE E TYPE M
MATERIAL : STEEL ISO 12240-4 SERIES E TYPE M

CSTFI...UK

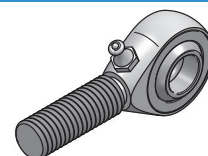
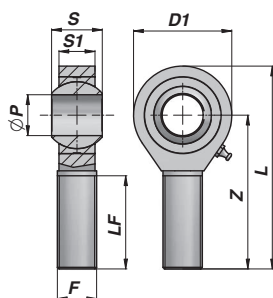
EMBOU A ROTULE SANS LUBRIFICATION
MAINTENANCE FREE BALL-JOINT



Code Code Type UK	Code Code Type UK...2RS	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
CSTF1006UK		6	30	6	21	4.3	40.5	M6x1	11	3.6	0,02
CSTF1008UK		8	36	8	24	6.0	48.0	M8x1.25	15	5.8	0,04
CSTF1010UK		10	43	9	29	7.0	57.5	M10x1.5	20	8.6	0,06
CSTF1012UK		12	50	10	34	8.0	67.0	M12x1.75	24	11.4	0,09
CSTF1015UK		15	61	12	40	10.0	81.0	M14x2	30	17.6	0,18
CSTF1017UK	CSTF1017U2	17	67	14	46	11.0	90.0	M16x2	34	22.4	0,22
CSTF1020UK	CSTF1020U2	20	77	16	53	13.0	103.5	M20x1.5	40	31.5	0,35
CSTF1025UK	CSTF1025U2	25	94	20	64	17.0	126.0	M24x2	48	51.0	0,64
CSTF1030UK	CSTF1030U2	30	110	22	73	19.0	146.5	M30x2	56	65.5	0,93
	CSTF1035U2	35	125	25	82	21.0	166.0	M36x3	60	112.0	1,30
	CSTF1040U2	40	142	28	92	23.0	188.0	M39x3	67	140.0	2,01
	CSTF1045U2	45	145	32	102	27.0	196.0	M42x3	65	180.0	2,50
	CSTF1050U2	50	160	35	112	30.0	216.0	M45x3	69	220.0	3,50
	CSTF1060U2	60	175	44	135	38.0	242.0	M52x3	73	345.0	5,50
	CSTF1070U2	70	200	49	160	42.0	280.0	M56x4	80	440.0	8,60
	CSTF1080U2	80	230	55	180	47.0	320.0	M64x4	85	570.0	12,00

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER ISO 12240-4 SERIE E TYPE F
MATERIAL : STEEL ISO 12240-4 SERIES E TYPE F

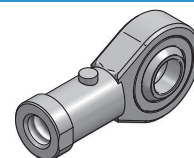
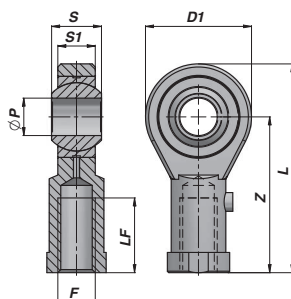
EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE
CSTFE...PB

Code Code	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
CSTF1235PB	5	33	8	16	6.0	41	M5x0.8	20	3.3	0,01
CSTF1236PB	6	36	9	18	6.7	45	M6x1	22	4.3	0,01
CSTF1237PB	8	42	12	22	9.0	53	M8x1.25	25	6.8	0,03
CSTF1238PB	10	48	14	26	10.5	61	M10x1.5	29	10.0	0,08
CSTF1239PB	12	54	16	30	12.0	69	M12x1.75	33	13.0	0,12
CSTF1240PB	14	60	19	34	13.5	77	M14x2	36	17.0	0,14
CSTF1241PB	16	66	21	38	15.0	85	M16x2	40	21.0	0,22
CSTF1242PB	18	72	23	42	16.5	93	M18x1.5	44	26.0	0,32
CSTF1243PB	20	78	25	46	18.0	101	M20x1.5	47	31.0	0,43
CSTF1244PB	22	84	28	50	20.0	109	M22x1.5	51	38.0	0,61
CSTF1245PB	25	94	31	60	22.0	124	M24x2	57	47.0	0,81
CSTF1247PB	28	103	35	66	25.0	136	M27x2	62	59.0	1,20
CSTF1246PB	30	110	37	70	25.0	145	M30x2	66	63.0	1,40

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER ISO 12240-4 SERIE K - ISO 6126

MATERIAL : STEEL ISO 12240-4 SERIES K - ISO 6126

EMBOU A ROTULE
BALL-JOINT END WITH GREASE NIPPLE
CSTFI...PB

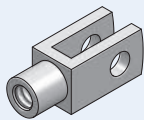
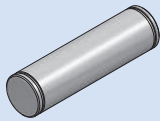
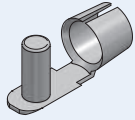
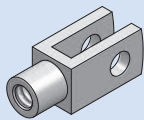
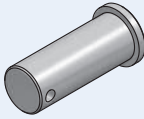
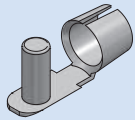
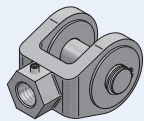
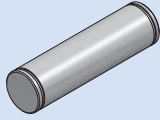
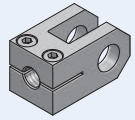
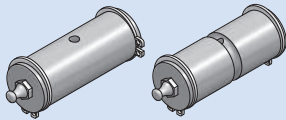
Code Code	ØP	Z	S	D1	S1	L	F	LF min	FC (kN)	kg
CSTF1205PB	5	27	8	16	6.0	35	M5x0.8	14	3.3	0,01
CSTF1206PB	6	30	9	18	6.7	39	M6x1	14	4.3	0,01
CSTF1208PB	8	36	12	22	9.0	47	M8x1.25	17	6.8	0,03
CSTF1210PB	10	43	14	26	10.5	56	M10x1.5	21	10.0	0,08
CSTF1212PB	12	50	16	30	12.0	65	M12x1.75	24	13.0	0,12
CSTF1214PB	14	57	19	34	13.5	74	M14x2	27	17.0	0,14
CSTF1216PB	16	64	21	38	15.0	83	M16x2	33	21.0	0,22
CSTF1218PB	18	71	23	42	16.5	92	M18x1.5	36	26.0	0,32
CSTF1220PB	20	77	25	48	18.0	100	M20x1.5	40	31.0	0,43
CSTF1222PB	22	84	28	50	20.0	109	M22x1.5	43	38.0	0,61
CSTF1225PB	25	94	31	60	22.0	124	M24x2	48	47.0	0,81
CSTF1228PB	28	103	35	66	25.0	136	M27x2	53	59.0	1,20
CSTF1230PB	30	110	37	70	25.0	145	M30x2	56	63.0	1,40

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER ISO 12240-4 SERIE K - ISO 6126

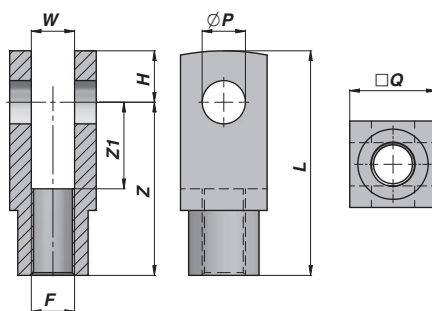
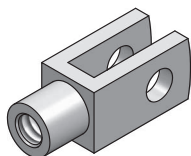
MATERIAL : STEEL ISO 12240-4 SERIES K - ISO 6126

CHAPES FEMELLE INDUSTRIELLES INDUSTRIAL FORKS

	Description - Description	Type	Page
	CHAPE FEMELLE TARAUEE - ISO 8140 THREADED FORKS - ISO 8140	CFFF00	138
	AXE POUR CHAPE - ISO 8140 CLEVIS PIN - ISO 8140	CPPF00	138
	CLIP POUR CHAPE - ISO 8140 LOCKABLE PIN - ISO 8140	CSAF00	138
	CHAPE FEMELLE TARAUEE - DIN 71752 THREADED FORK - DIN 71752	CFFF	139
	AXE POUR CHAPE - UNI EN 22341/DIN 1434 CLEVIS PIN - UNI EN 22341/DIN 1434	CPPF	139
	CLIP POUR CHAPE - DIN 71752 LOCKABLE PIN - DIN 71752	CSAF	139
	CHAPE FEMELLE TARAUEE AVEC SON AXE - ISO 8133 THREADED FORK WITH PIN - ISO 8133	CSKLP	140
	AXE POUR CHAPE - ISO 8133 CLEVIS PIN - ISO 8133	CSKP	140
	CHAPE FEMELLE TARAUEE - ISO 8132 THREADED FORK - ISO 8132	CSIF	141
	AXE POUR CHAPE - ISO 8132 CLEVIS PIN - ISO 8132	CSKPC CSKPD	141

CFFF00

CHAPE FEMELLE TARAUEE - ISO 8140 THREADED FORKS - ISO 8140



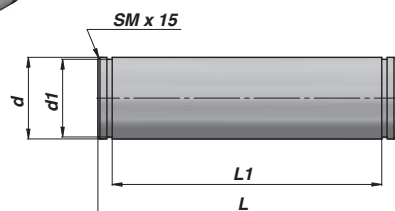
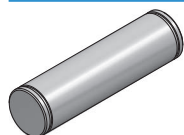
Code Code	ØP (H9)	ØQ	W (B13)	Z	Z1	H	L	F	kg	CPPF00	CSAF00
CFFF001760	4	8	4	16.0	8.0	5.0	21	M4x0.7	0,01		
CFFF001762	6	12	6	24.0	12.0	7.0	31	M6x1	0,02	-	1792
CFFF001764	8	16	8	32.0	16.0	10.0	42	M 8x1.25	0,03	-	1794
CFFF001766	10	20	10	40.0	20.0	12.0	52	M10x1.25	0,07	1778	1796
CFFF001768	12	24	12	48.0	24.0	14.0	62	M12x1.25	0,11	1780	1798
CFFF001770	16	32	16	64.0	32.0	19.0	83	M16x1.5	0,28	1782	1800
CFFF001772	20	40	20	80.0	40.0	25.0	105	M20x1.5	0,57	1784	1802
CFFF001774 (A)	25	50	25	100.0	50.0	32.0	132	M24x2	1,02	1786	
CFFF001775	30	55	30	109.5	56.5	38.5	148	M27x2	1,47	1787	
CFFF001776	35	70	35	144.0	72.0	44.0	188	M36x2	3,40	1788	

(A) = SANS NORME - OUT OF RULE

MATERIEL : ACIER 9SMn Pb 23 R 50 Kg/mm²
MATERIAL : STEEL 9SMn Pb 23 R 50 Kg/mm²

CPPF00

AXE POUR CHAPE CLEVIS PIN



ISO 8140

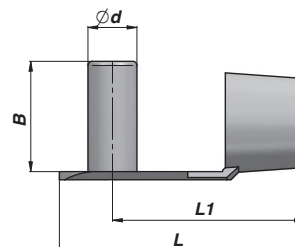
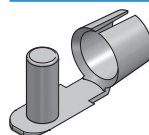
Code Code	Ød x L	Ød1	L1	kg
CPPF001778	10 x 25	9.6	20.0	0,01
CPPF001780	12 x 30	11.5	24.0	0,03
CPPF001782	16 x 39	15.2	32.0	0,06
CPPF001784	20 x 48	19.0	40.0	0,12
CPPF001786 (A)	25 x 60	23.9	50.0	0,22
CPPF001787	30 x 65	28.5	56.5	0,34
CPPF001788	35 x 84	33.0	70.0	0,62

(A) = SANS NORME - OUT OF RULE

MATERIEL : ACIER 9SMn Pb 23 R 50 Kg/mm²
MATERIAL : STEEL 9SMn Pb 23 R 50 Kg/mm²

CSAF00

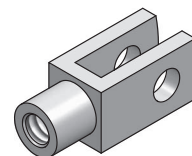
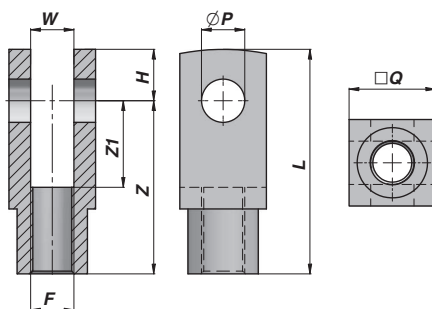
CLIP POUR CHAPE LOCKABLE PIN



ISO 8140

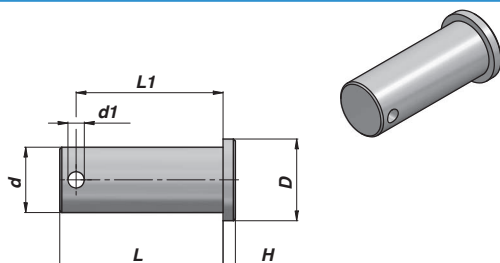
Code Code	Ød x B	L		kg
CSAF001790				0,01
CSAF001792	6 x 14	28	23	0,01
CSAF001794	8 x 19	37	31	0,01
CSAF001796	10 x 23	46	39	0,01
CSAF001798	12 x 28	55	47	0,03
CSAF001800	16 x 36	72	62	0,06
CSAF001802	20 x 20	88	72	0,12

MATERIEL : ACIER
MATERIAL : STEEL

CHAPE FEMELLE TARAUEE - DIN 71752
THREADED FORK - DIN 71752
CFFF


Code Code	ØP (H9)	ØQ	W (B13)	Z	Z1	H	L	F	kg	CPPF	CSAF
CFFF012330	6	12	6	24	12	7	31	M6x1	0,02	12336	CSAF012342
CFFF012331	8	16	8	32	16	10	42	M8x1.25	0,03	12337	CSAF012343
CFFF012332	10	20	10	40	20	12	52	M10x1.5	0,07	12338	CSAF012344
CFFF012333	12	24	12	48	24	14	62	M12x1.75	0,12	12339	CSAF012345
CFFF012334	14	27	14	56	28	16	72	M14x2	0,18	12340	CSAF012346
CFFF012335	16	32	16	64	32	19	83	M16x2	0,28	12341	CSAF012347
CFFF012385	18	36	18	72	36	22	94	M18x2.5	0,40	12388	-
CFFF012386	20	40	20	80	40	25	105	M20x2.5	0,56	12389	CSAF012390

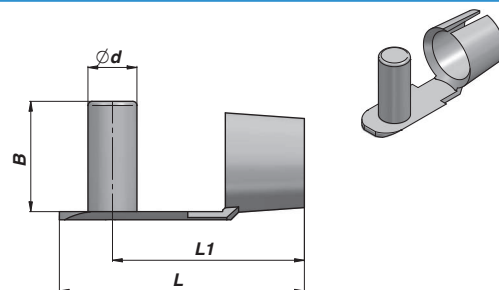
MATERIEL : ACIER 9SMn Pb 23 R 50 Kg/mm²
MATERIEL : STEEL 9SMn Pb 23 R 50 Kg/mm²

AXE POUR CHAPE
CLEVIS PIN
CPPF


UNI EN 22341/DIN 1434

Code Code	Ød x L	Ød1	L1	D X H	kg
CPPF012336	6 x 16	2	13.0	9 x 1.5	0,01
CPPF012337	8 x 20	2	17.0	12 x 2	0,01
CPPF012338	10 x 25	3	21.5	14 x 2	0,02
CPPF012339	12 x 30	3	26.5	16 x 3	0,03
CPPF012340	14 x 35	4	31.0	19 x 3	0,03
CPPF012341	16 x 40	4	36.0	20 x 3	0,05
CPPF012388	18 x 45	4	40.0	22 x 4	0,10
CPPF012389	20 x 49	4	43.5	24 x 4	0,13

MATERIEL : ACIER 9SMn Pb 23 R 50 Kg/mm²
MATERIEL : STEEL 9SMn Pb 23 R 50 Kg/mm²

CLIP POUR CHAPE
LOCKABLE PIN
CSAF


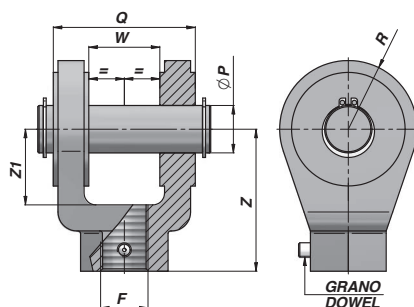
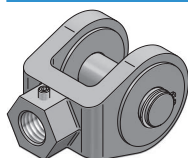
DIN 71752

Code Code	Ød x B	L	L1	kg
CSAF012342	6 x 14	28	23	0,01
CSAF012343	8 x 18	37	31	0,01
CSAF012344	10 x 23	46	39	0,01
CSAF012345	12 x 28	55	47	0,03
CSAF012346	14 x 30	62	51	0,05
CSAF012347	16 x 36	75	61	0,06
CSAF012390	20 x 44	95	77	0,12

MATERIEL : ACIER
MATERIEL : STEEL

CSKLP

CHAPE FEMELLE TARAUDÉE AVEC SON AXE - ISO 8133 THREADED FORK WITH PIN - ISO 8133



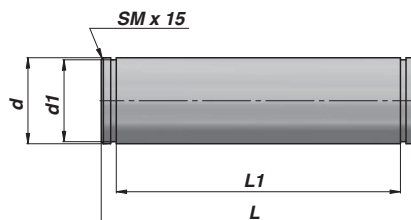
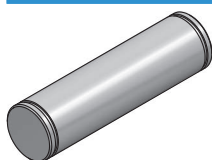
Code Code	ØP (H9)	Q	W	Z	Z1	F	R	FC (KN)	kg	Axe Pin
CSKLP00010	10	24	12	32	13	M10x1.25	12	8.0	0,10	CSKP000010
CSKLP00012	12	32	16	36	19	M12x1.25	17	12.5	0,18	CSKP000012
CSKLP00014	14	40	20	38	19	M14x1.5	17	20.0	0,23	CSKP000014
CSKLP00016	20	60	30	54	32	M16x1.5	29	32.0	0,90	CSKP000016
CSKLP00020	20	60	30	60	32	M20x1.5	29	50.0	0,91	CSKP000016
CSKLP00027	28	80	40	75	39	M27x2	34	80.0	1,92	CSKP000027
CSKLP00033	36	100	50	99	54	M33x2	50	125.0	4,92	CSKP000033
CSKLP00042	45	120	60	113	57	M42x2	53	200.0	6,53	CSKP000042
CSKLP00048	56	140	70	126	63	M48x2	59	320.0	10,11	CSKP000048
CSKLP00064	70	160	80	168	83	M64x3	78	500.0	19,20	CSKP000064
CSKLP00080	70	160	80	168	83	M80x3	78	500.0	18,42	CSKP000064

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER S355JR UNI EN 10025
MATERIAL : STEEL S355JR UNI EN 10025

CSKP

AXE POUR CHAPE - ISO 8133 CLEVIS PIN - ISO 8133

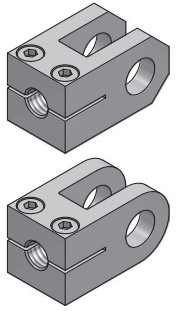
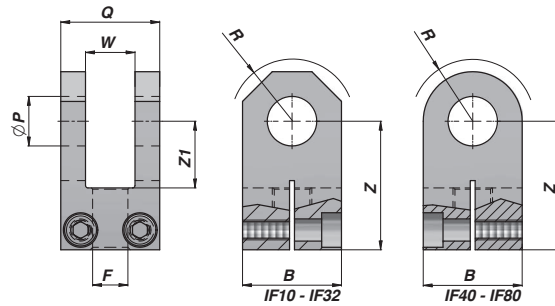


Code Code	Ød (f8)	L	Ød1	Li	kg	Pour chape femelle For Fork
CSKP000010	10	34	9.6	29	0,02	CSKLP000010
CSKP000012	12	43	11.5	37	0,04	CSKLP000012
CSKP000014	14	51	13.4	45	0,06	CSKLP000014
CSKP000016	20	73	19.0	66	0,18	CSKLP000016 - CSKLP000020
CSKP000027	28	95	26.6	87	0,46	CSKLP000027
CSKP000033	36	117	34.0	107	0,93	CSKLP000033
CSKP000042	45	139	42.5	129	1,74	CSKLP000042
CSKP000048	56	161	53.0	149	3,11	CSKLP000048
CSKP000064	70	181	67.0	169	5,47	CSKLP000064 - CSKLP000080

MATERIEL : ACIER PR 80 (35SMnPb10) / C40
MATERIAL : STEEL PR 80 (35SMnPb10) / C40

CHAPE FEMELLE TARAUDÉE - ISO 8132
THREADED FORK - ISO 8132

CSIF



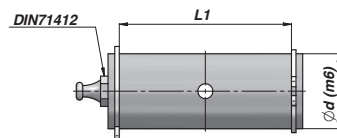
Code Code	ØP (H9)	Q (h16)	W (A13)	Z (js13)	Z1 min.	F (6H)	R max	B	FC (kN)	kg
CSIF000012	12	28	12	38	18	M12x1.25	16	25	8.0	0,16
CSIF000016	16	36	16	44	22	M14x1.5	20	30	12.5	0,27
CSIF000020	20	45	20	52	27	M16x1.5	25	40	20.0	0,53
CSIF000025	25	56	25	65	34	M20x1.5	32	50	32.0	1,12
CSIF000032	32	70	32	80	42	M27x2	40	65	50.0	2,18
CSIF000040	40	90	40	97	52	M33x2	50	80	80.0	4,40
CSIF000050	50	110	50	120	64	M42x2	63	100	125.0	7,60
CSIF000063	63	140	63	140	75	M48x2	71	120	200.0	17,70
CSIF000080	80	170	80	180	94	M64x3	90	150	320.0	30,60

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

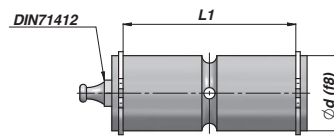
MATERIEL : ACIER S355JR UNI EN 10025 - S1 52.3
MATERIAL : STEEL S355JR UNI EN 10025 - S1 52.3

AXE POUR CHAPE - ISO 8132
CLEVIS PIN - ISO 8132

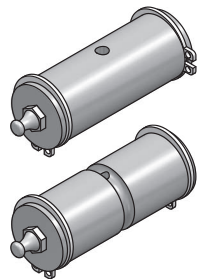
CSKPC - CSKPD



CSKPC



CSKPD



Code Code	Code Code	Q (f8/m6)	L1 (H16)	F (6H)	kg	Pour chape femelle For Fork
CSKPC01200	CSKPD01200	12	29	8.0	0,03	CSIF000012
CSKPC01600	CSKPD01600	16	37	12.5	0,60	CSIF000016
CSKPC02000	CSKPD02000	20	46	20.0	0,13	CSIF000020
CSKPC02500	CSKPD02500	25	57	32.0	0,25	CSIF000025
CSKPC03200	CSKPD03200	32	72	50.0	0,50	CSIF000032
CSKPC04000	CSKPD04000	40	92	80.0	1,00	CSIF000040
CSKPC05000	CSKPD05000	50	112	125.0	1,90	CSIF000050
CSKPC06300	CSKPD06300	63	142	200.0	3,80	CSIF000063
CSKPC08000	CSKPD08000	80	172	320.0	7,60	CSIF000080

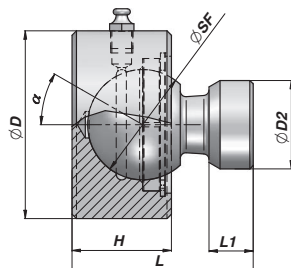
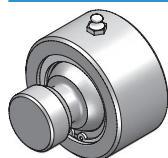
MATERIEL : ACIER 20MnCr5
MATERIAL : STEEL 20MnCr5

BASES OSCILLANTES ET EMBOUTS AGRICOLES
SWINGING ENDS AND AGRICULTURE BALL-JOINT ENDS

[illegible]

CSB

BASE OSCILLANTE
SWINGING END



Code Code	ØSF	ØD2	ØD	L	H	L1	α	FC (KN)	kg
CSB0500000	50	40	85	82	45	20	38	68.6	2,20
CSB0600000	60	50	98	100	50	25	40	107.8	3,40
CSB0700000	70	60	105	115	60	30	38	132.3	4,80

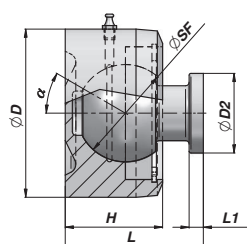
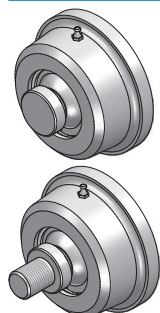
FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

MATERIEL : ACIER UNI C40

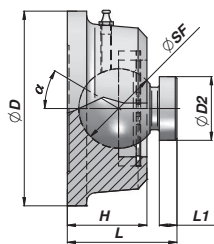
MATERIAL : STEEL UNI C40

CSB00

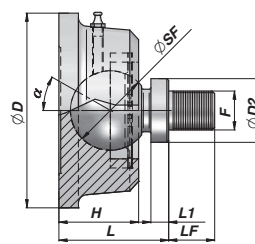
BASE OSCILLANTE
SWINGING END



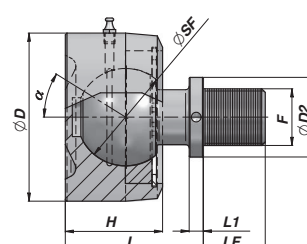
TYPE A



TYPE B

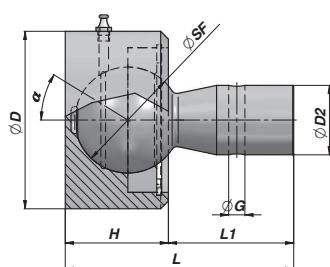
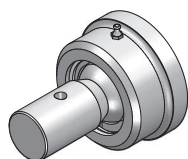


TYPE C

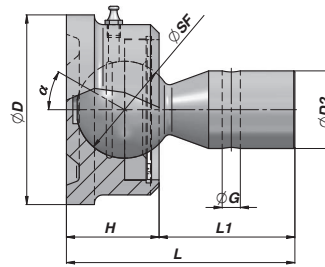


TYPE D

Code Code	TYPE	ØSF	ØD2	ØD	L	H	L1	F	LF	α	FC (KN)	kg
CSB0001980	B	45	30	110	62	45	9			35	107.8	2,20
CSB0001982	A	55	45	95	78	55	8			30	147.0	2,88
CSB0001984	B	65	64	107	88	58	9			30	225.5	3,96
CSB0001986	C	45	30	110	61	45		M22x1.5	26	32	107.8	2,28
CSB0001988	D	55	45	95	78	55		M32x2	35	30	147.0	3,10



TYPE A



TYPE B

Code Code	TYPE	ØSF	ØD2	ØD	L	H	L1	ØG	α	FC (KN)	kg
CSB0001700 (*)	B	45	36	88	106.0	43.0	63	-	22	78.4	2,18
CSB0001701 (*)	B	45	36	88	106.0	43.0	63	8.4	36	78.4	2,40
CSB0001702 (*)	A	55	36	92	118.5	53.5	65	8.4	33	137.2	3,10

FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

(*) = LE GRAISSEUR EST DEPLACÉ DE 6° ENVIRON POUR FACILITER LE GRAISSAGE

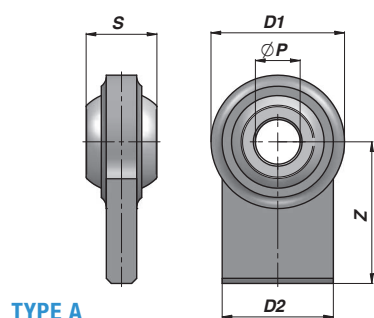
(*) = GREASE NIPPLE IS TILTED OF ABOUT 6° TO FACILITATE GREASING

MATERIEL : ACIER UNI C40

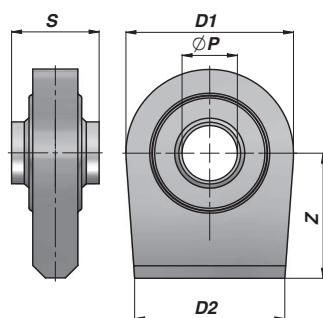
MATERIAL : STEEL UNI C40

ROTULE AGRICOLE
WELDABLE BALL JOINT END - AGRICULTURAL TYPE

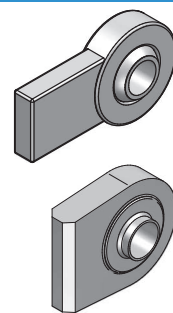
CSR



TYPE A



TYPE B



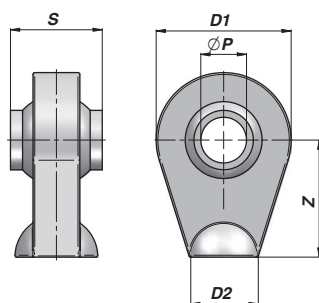
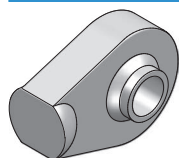
Code Code	TYPE	ØP (A12)	Z	S (h11)	D1	D2	CAT	kg	note
CSR0010490	A	14.0	60	32	46	30	-	0,30	-
* CSR0010495	A	16.0	60	20	46	30	-	0,27	-
CSR0010494	A	18.0	43	35	65	50	-	0,58	-
CSR0010497	A	19.0	43	35	65	50	-	0,56	-
CSR0010496	A	19.0	50	44	52	52	-	0,46	-
CSR0010498	A	22.1	43	35	65	50	1	0,54	Flat Base
CSR0010510	A	22.1	50	35	76	70	1	0,82	-
CSR0010540	A	22.1	55	35	83	70	1	1,18	-
CSR0010503	A	22.1	70	35	66	55	1	0,70	-
CSR0010501	A	22.1	90	35	68	50	1	0,92	-
CSR0010515	A	25.4	50	35	76	70	-	0,78	-
CSR0010550	A	25.4	55	35	83	70	-	1,16	-
CSR0010569	A	25.4	65	45	80	70	-	1,36	-
CSR0010506	A	25.4	80	38	78	70	-	1,14	-
CSR0010566	A	25.4	80	38	80	70	-	1,56	-
CSR0010520	A	26.0	50	35	76	70	-	0,78	-
CSR0010530	A	28.4	50	35	76	70	2	0,76	-
CSR0010560	A	28.4	55	35	83	70	2	1,12	-
CSR0010562	A	28.4	55	45	83	70	2	1,16	-
CSR0010564	A	28.4	55	45	82	70	2	1,22	-
CSR0010570	A	28.4	65	45	80	70	2	1,32	-
CSR0010580	A	28.4	65	45	96	70	2	1,70	-
CSR0010615	A	28.4	65	45	108	80	2	2,16	-
CSR0010507	A	28.4	80	38	78	70	2	1,10	-
CSR0010568	A	28.4	80	38	80	70	2	1,52	-
CSR0010575	A	28.4	80	45	80	70	2	1,54	-
CSR0010579	A	28.4	82	45	90	76	2	1,48	-
CSR0010597	A	32.0	65	45	96	70	-	1,66	-
CSR0010600	A	34.0	65	45	96	70	-	1,62	-
CSR0010612	A	34.0	65	45	108	80	-	2,04	-
CSR0010602	A	35.0	65	45	96	70	-	1,60	-
CSR0010616	A	35.0	65	45	108	80	-	2,00	-
CSR0010604	A	37.0	65	45	96	70	3	1,56	-
CSR0010614	A	37.0	65	45	108	80	3	1,98	-
CSR0010610	A	38.0	65	45	108	80	-	1,96	-
CSR0010617	A	42.0	65	45	108	80	-	1,88	-
CSR0010499	B	19.0	50	35	67	60	-	0,74	-
CSR0010500	B	22.1	50	35	67	60	1	0,72	-
CSR0010505	B	22.1	75	35	67	58	1	0,94	-
CSR0010578	B	28.4	80	35	85	70	2	1,40	-
CSR0010576	B	28.4	80	45	85	70	2	1,44	-

ACCOUPLEMENT - COUPLING : ACIER/ACIER - STEEL/STEEL

* = Standard

MATERIEL : ACIER C40 - UNI EN 10083-1
MATERIAL : STEEL C40 - UNI EN 10083-1

CSR

ROTULE AGRICOLE
WELDABLE BALL JOINT END - AGRICULTURAL TYPE

TYPE D

Code Code	TYPE	ØP (A12)	Z	S (h11)	D1	D2	CAT	kg	note
CSR0010693	D	14.0	50	44	55	25	-	0,46	Rough Base
CSR0010727	D	19.0	46	35	70	30	1	0,64	Flat Base
CSR0010694	D	19.0	50	30	55	25	1	0,40	Rough Base
CSR0010724	D	19.0	50	35	62	26	1	0,54	Flat Base
CSR0010695	D	19.0	50	44	55	25	1	0,42	Rough Base
CSR0010705	D	19.0	50	44	62	30	1	0,54	Flat Base
* CSR0010708	D	19.0	58	44	62	34	1	0,60	"
CSR0010710	D	19.0	60	44	62	34	1	0,62	"
CSR0010697	D	19.0	65	44	55	26	1	0,50	Rough Base
CSR0010737	D	19.0	65	51	75	38	1	1,02	Flat Base
CSR0010696	D	20.0	50	44	55	25	-	0,41	Rough Base
* CSR0010720	D	20.0	58	44	62	34	-	0,61	Flat Base
CSR0010709	D	20.0	60	44	62	34	-	0,59	"
* CSR0010725	D	22.1	50	35	62	26	-	0,52	"
CSR0010707	D	22.1	58	44	62	34	-	0,58	"
CSR0010712	D	22.1	60	44	62	34	-	0,60	"
CSR0010730	D	22.1	65	51	75	38	-	0,98	"
CSR0010746	D	22.1	70	51	72	45	-	1,18	"
CSR0010756	D	22.1	70	51	85	50	-	1,64	"
CSR0010735	D	25.4	65	40	75	38	2	0,90	"
* CSR0010740	D	25.4	65	51	75	38	2	0,94	"
CSR0010750	D	25.4	65	51	83	50	2	1,38	"
CSR0010741	D	25.4	70	51	75	31	2	0,90	"
CSR0010742	D	25.4	70	51	72	45	2	1,14	"
CSR0010760	D	25.4	70	51	85	50	2	1,62	"
CSR0010791	D	25.4	85	51	90	40	2	1,68	"
CSR0010800	D	29.0	65	55	83	50	-	1,38	"
CSR0010805	D	30.0	65	42	83	50	-	1,30	"
CSR0010818	D	30.0	65	42	92	50	-	1,52	"
CSR0010739	D	30.0	65	51	75	38	-	0,88	"
* CSR0010810	D	30.0	65	55	83	50	-	1,36	"
CSR0010817	D	30.0	65	55	92	50	-	1,58	"
CSR0010748	D	30.0	70	51	72	45	-	1,08	"
CSR0010780	D	30.0	70	51	85	50	-	1,56	"
CSR0010792	D	30.0	85	51	90	40	-	1,64	"
CSR0010807	D	32.0	65	51	83	50	3	1,30	"
CSR0010825	D	32.0	65	51	92	50	3	1,54	"
CSR0010793	D	32.0	85	51	90	40	3	1,58	"
* CSR0010812	D	35.0	65	35	83	50	-	1,20	"
CSR0010819	D	35.0	65	35	92	50	-	1,42	"
CSR0010815	D	35.0	65	55	83	50	-	1,24	"
CSR0010795	D	35.0	85	55	90	40	-	1,52	"
CSR0010821	D	40.0	60	75	108	58	-	2,76	"
CSR0010820	D	40.0	85	75	108	60	-	3,42	"
CSR0010841	D	45.0	60	75	108	58	-	2,56	"
* CSR0010840	D	45.0	85	75	108	60	-	3,22	"
CSR0010861	D	50.0	60	75	108	58	-	2,36	"
* CSR0010860	D	50.0	85	75	108	60	-	3,02	"

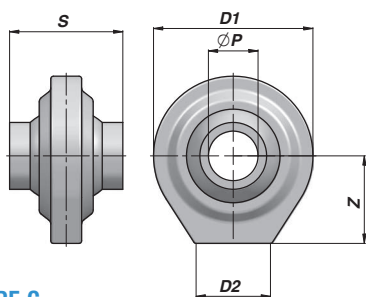
ACCOUPLEMENT - COUPLING : ACIER/ACIER - STEEL/STEEL

* = Standard

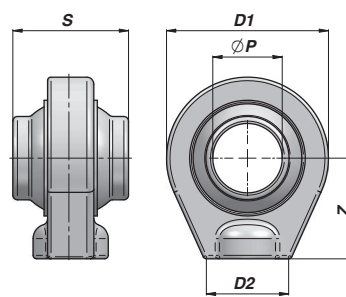
MATERIEL : ACIER C40 - UNI EN 10083-1
 MATERIAL : STEEL C40 - UNI EN 10083-1

ROTULE AGRICOLE
WELDABLE BALL JOINT END - AGRICULTURAL TYPE

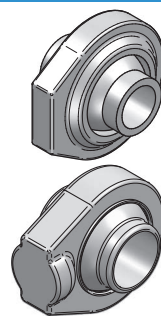
CSR



TYPE C



TYPE E



Code Code	TYPE	ØP (A12)	Z	S (h11)	D1	D2	CAT	kg	note
CSR0010700	C	19.0	34	44	62	30x13	1	0,44	Milled Base
CSR0010702	C	20.0	34	44	62	30x13	-	0,43	Rough Base
CSR0010704	C	22.1	34	44	62	30x13	-	0,42	"
* CSR0010880	E	60 (H7)	87	100	140	75	-	5,66	"

ACCOUPLEMENT - COUPLING : ACIER/ACIER - STEEL/STEEL

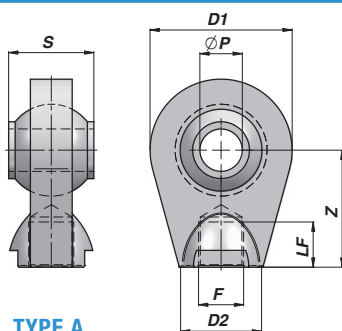
* = Standard

MATERIEL : ACIER C40 - UNI EN 10083-1

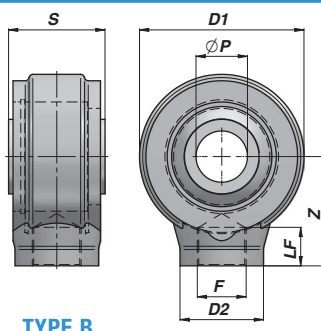
MATERIAL : STEEL C40 - UNI EN 10083-1

EMBOUT TARAUDE AGRICOLE
THREADED BALL-JOINT END - AGRICULTURAL TYPE

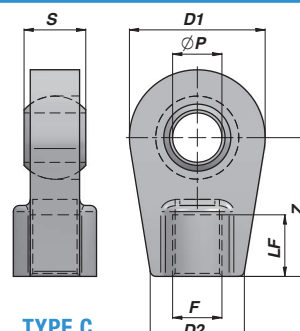
CSR



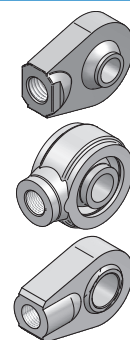
TYPE A



TYPE B



TYPE C



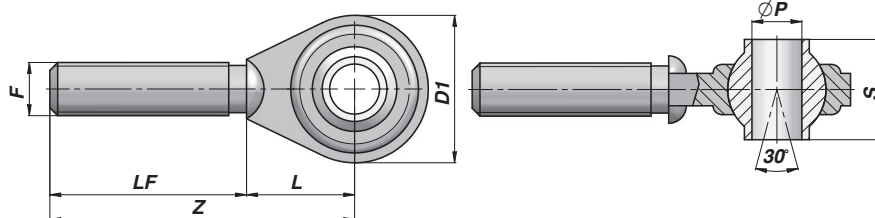
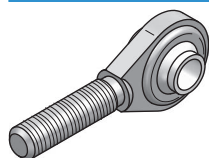
Code Code	TYPE	ØP (A12)	Z	S (h11)	D1	D2	F	LF	kg
CSR0010769	A	19.0	70	51	85	50	M27x2	27	1,54
CSR0010768	A	22.1	70	51	85	50	M27x2	27	1,50
CSR0010770	A	25.4	70	51	85	50	M27x2	27	1,46
CSR0010790	A	30.0	70	51	85	50	M27x2	27	1,40
CSR0010794	A	32.0	85	51	90	40	M27x2	27	1,44
CSR0010830	A	40.0	85	75	108	60	M38x2	28	3,10
CSR0010850	A	45.0	85	75	108	60	M38x2	28	2,90
CSR0010870	A	50.0	85	75	108	60	M38x2	28	2,70
CSR0010874	B	40.0	85	75	128	65	M38x2	28	6,16
CSR0010875	B	45.0	85	75	128	65	M38x2	28	5,96
CSR0010876	B	50.0	85	75	128	65	M38x2	28	5,76
CSR0010900	C	16.0	45	20	44	27	M16x1.5	20	0,28
CSR0010910	C	20.0	45	20	44	27	M18x1.5	20	0,25
CSR0010920	C	25.0	60	30	61	35	M20x1.5	25	0,80
CSR0010930	C	30.0	60	30	61	35	M22x1.5	25	0,72
CSR0010940	C	35.0	80	40	80	45	M27x2	35	1,70
CSR0010950	C	40.0	80	40	80	45	M30x2	35	1,60

ACCOUPLEMENT - COUPLING : ACIER/ACIER - STEEL/STEEL

MATERIEL : ACIER C40 - UNI EN 10083-1

MATERIAL : STEEL C40 - UNI EN 10083-1

CSTF

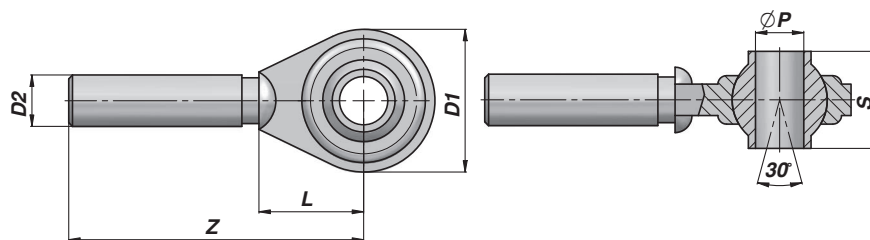
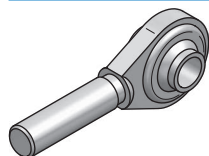
TIRANT FILETE AVEC ROTULE RADIALE
BALL-JOINT END WITH THREADED STEM

Code Code	CAT	ØP (A12)	Z	S (h11)	D1	F	LF	L	note	kg
CSTF010333	1	19.0	165	44	62	M24x3	115	50	DX	0,86
CSTF010334	1	19.0	165	44	62	M24x3	115	50	SX	0,86
CSTF010340	1	19.0	205	44	58	M27x3	155	50	DX	1,08
CSTF010350	1	19.0	205	44	58	M27x3	155	50	SX	1,08
CSTF010355	1	19.0	225	44	62	M30x3	175	50	DX	1,36
CSTF010356	1	19.0	225	44	62	M30x3	175	50	SX	1,36
CSTF010335	2	25.4	220	51	75	M24x3	165	55	DX	1,32
CSTF010336	2	25.4	220	51	75	M24x3	165	55	SX	1,32
CSTF010380	2	25.4	220	51	75	M27x3	165	55	DX	1,44
CSTF010390	2	25.4	220	51	75	M27x3	165	55	SX	1,44
CSTF010400	2	25.4	220	51	75	M30x3	165	55	DX	1,62
CSTF010410	2	25.4	220	51	75	M30x3	165	55	SX	1,62
CSTF010420	2	25.4	220	51	80	M36x3	165	55	DX	2,14
CSTF010430	2	25.4	220	51	80	M36x3	165	55	SX	2,14
CSTF010460	3	32.0	270	51	96	M36x3	200	70	DX	3,34
CSTF010470	3	32.0	270	51	96	M36x3	200	70	SX	3,34

MATERIEL : ACIER C40 - UNI EN 10083-1

MATERIAL : STEEL C40 - UNI EN 10083-1

CSTGG

TIRANT A QUEUE LISSE AVEC ROTULE RADIALE
BALL-JOINT END WITH ROUND STEM

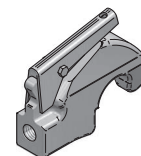
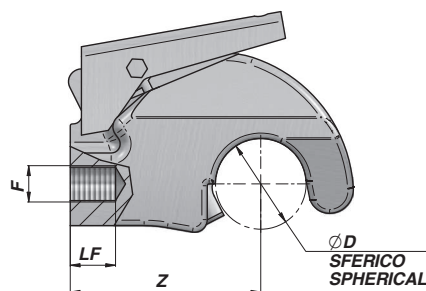
Code Code	CAT	ØP (A12)	Z	S (h11)	D1	D2	L	kg
CSTGG10305	1	19.0	165	44	58	20	50	0,71
CSTGG10312	1	19.0	165	44	58	22	50	0,82
CSTGG10325	1	19.0	165	44	62	25	50	0,98
CSTGG10342	1	19.0	205	44	58	25	50	1,14
CSTGG10343	1	19.0	225	44	62	29	50	1,50
CSTGG10395	2	25.4	220	51	75	30	55	1,76
CSTGG10425	2	25.4	220	51	80	36	55	2,32
CSTGG10445	2	25.4	270	51	96	37	75	3,80
CSTGG10455	3	32.0	270	51	96	37	75	3,70
CSTGG10474	2	25.4	230	51	80	43	60	3,20

MATERIEL : ACIER C40 - UNI EN 10083-1

MATERIAL : STEEL C40 - UNI EN 10083-1

CROCHET SUPERIEUR "RAPID" A SOUDER
WELD ON TOP LINK AUTOMATIC HITCH

CSGR

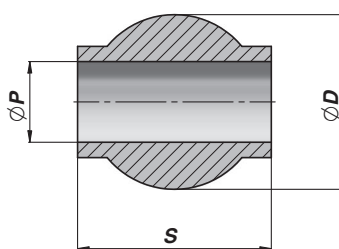


Code Code	CAT	ØD	Z	F	LF	kg	CSF
CSGR010975	2	50	105	Ø12	15	2,02	10989 - 10985
CSGR010976	2	50	105	M20x1.5	25	1,96	10989 - 10985
CSGR010969	2	50	105	M27x2	25	2,10	10989 - 10985
CSGR010974	2	50	105	M30x2	25	2,30	10989 - 10985
CSGR010977	3/2	60	132	Ø20	25	4,50	10987 - 10988
CSGR010979	3/2	60	132	M27x2	45	4,24	10987 - 10988
CSGR010970	3/2	60	132	M36x2	45	4,04	10987 - 10988

MATERIEL : ACIER 35CrMn5 BONIFIE
MATERIAL : STEEL 35CrMn5 RECLAIMED

ROTULE POUR CROCHET SUPERIEUR "RAPID"
BALL FOR UPPER AUTOMATIC HITCH

CSF



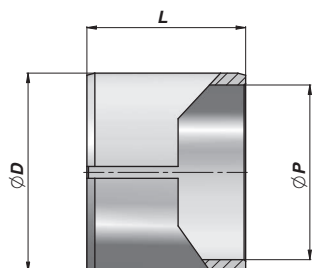
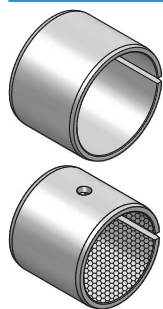
Code Code	CAT	ØP (A12)	ØD	S	kg
CSF0010989	1	19.0	50	51	0,42
CSF0010985	2	25.4	50	51	0,34
CSF0010987	3/2	25.4	60	51	0,64
CSF0010988	3	32.0	60	51	0,54

MATERIEL : ACIER C10 + TRAITEMENT DE CEMENTATION HRC 58-62
MATERIAL : STEEL C10 + CASE-HARDENING TREATMENT

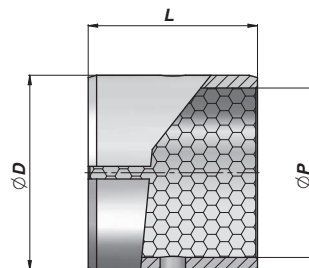
BAGUES AUTOLUBRIFIANTES ET CEMENTEES
SWINGING ENDS AND AGRICULTURE BALL-JOINT ENDS

[illegible]

ADU/AKX

DOUILLE AUTOLUBRIFIANTE
SELF LUBRICATING BUSHING

TYPE ADU



TYPE AKX

Code Code Type ADU	Code Code Type AKX	ØP	ØD	L	kg x 100
ADU010012010	AKX010012010	10	12	10	0,27
ADU010012012	AKX010012012	10	12	12	0,33
ADU010012015	AKX010012015	10	12	15	0,40
ADU010012020	AKX010012020	10	12	20	0,54
ADU012014010	AKX012014010	12	14	10	0,32
ADU012014012	AKX012014012	12	14	12	0,38
ADU012014015	AKX012014015	12	14	15	0,48
ADU012014020	AKX012014020	12	14	20	0,64
ADU012014025	AKX012014025	12	14	25	0,80
ADU015017010	AKX015017010	15	17	10	0,39
ADU015017012	AKX015017012	15	17	12	0,47
ADU015017015	AKX015017015	15	17	15	0,59
ADU015017020	AKX015017020	15	17	20	0,78
ADU015017025	AKX015017025	15	17	25	0,98
ADU016018010	AKX016018010	16	18	10	0,41
ADU016018012	AKX016018012	16	18	12	0,50
ADU016018015	AKX016018015	16	18	15	0,62
ADU016018020	AKX016018020	16	18	20	0,83
ADU016018025	AKX016018025	16	18	25	1,04
ADU018020010	AKX018020010	18	20	10	0,46
ADU018020015	AKX018020015	18	20	15	0,70
ADU018020020	AKX018020020	18	20	20	0,93
ADU018020025	AKX018020025	18	20	25	1,17
ADU020023010	AKX020023010	20	23	10	0,80
ADU020023015	AKX020023015	20	23	15	1,19
ADU020023020	AKX020023020	20	23	20	1,59
ADU020023025	AKX020023025	20	23	25	1,98
ADU020023030	AKX020023030	20	23	30	2,38
ADU022025015	AKX022025015	22	25	15	1,30
ADU022025020	AKX022025020	22	25	20	1,73
ADU022025025	AKX022025025	22	25	25	2,17
ADU022025030	AKX022025030	22	25	30	2,60
ADU025028015	AKX025028015	25	28	15	1,47
ADU025028020	AKX025028020	25	28	20	1,96
ADU025028025	AKX025028025	25	28	25	2,45
ADU025028030	AKX025028030	25	28	30	2,94
ADU030034015	AKX030034015	30	34	15	2,36
ADU030034020	AKX030034020	30	34	20	3,15
ADU030034025	AKX030034025	30	34	25	3,94
ADU030034030	AKX030034030	30	34	30	4,73
ADU030034040	AKX030034040	30	34	40	6,31
ADU035039020	AKX035039020	35	39	20	3,64
ADU035039025	AKX035039025	35	39	25	4,56
ADU035039030	AKX035039030	35	39	30	5,47
ADU035039040	AKX035039040	35	39	40	7,29
ADU035039050	AKX035039050	35	39	50	9,12

MATERIEL : ADU = ACIER + PTFE AKX = ACIER + BRONZE + POM
 MATERIAL : ADU = STEEL + PTFE AKX = STEEL + BRONZE + POM

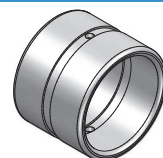
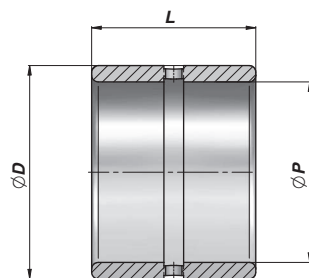
SUR DEMANDE : Douilles bimétalliques et douilles en bronze sinterisé
 ON REQUEST : Bimetallic bushings and sintered bronze bushings

Code Code Type ADU	Code Code Type AKX	ØP	ØD	L	kg x 100
ADU040044020	AKX040044020	40	44	20	4,14
ADU040044025	AKX040044025	40	44	25	5,17
ADU040044030	AKX040044030	40	44	30	6,21
ADU040044040	AKX040044040	40	44	40	8,28
ADU040044050	AKX040044050	40	44	50	10,35
ADU045050020	AKX045050020	45	50	20	5,85
ADU045050025	AKX045050025	45	50	25	7,32
ADU045050030	AKX045050030	45	50	30	8,78
ADU045050040	AKX045050040	45	50	40	11,71
ADU045050050	AKX045050050	45	50	50	14,64
ADU050055020	AKX050055020	50	55	20	6,47
ADU050055025	AKX050055025	50	55	25	8,09
ADU050055030	AKX050055030	50	55	30	9,71
ADU050055040	AKX050055040	50	55	40	12,94
ADU050055050	AKX050055050	50	55	50	16,18
ADU050055060	AKX050055060	50	55	60	19,42
ADU055060025	AKX055060025	55	60	25	8,86
ADU055060030	AKX055060030	55	60	30	10,63
ADU055060040	AKX055060040	55	60	40	14,18
ADU055060050	AKX055060050	55	60	50	17,72
ADU055060060	AKX055060060	55	60	60	21,27
ADU060065030	AKX060065030	60	65	30	11,56
ADU060065040	AKX060065040	60	65	40	15,41
ADU060065050	AKX060065050	60	65	50	19,26
ADU060065060	AKX060065060	60	65	60	23,12
ADU070075040	AKX070075040	70	75	40	17,87
ADU070075050	AKX070075050	70	75	50	22,34
ADU070075060	AKX070075060	70	75	60	26,81
ADU070075070	AKX070075070	70	75	70	31,28
ADU080085040	AKX080085040	80	85	40	20,34
ADU080085050	AKX080085050	80	85	50	25,43
ADU080085060	AKX080085060	80	85	60	30,51
ADU080085080	AKX080085080	80	85	80	40,69
ADU080085100	AKX080085100	80	85	100	50,86
ADU090095040	AKX090095040	90	95	40	22,81
ADU090095050	AKX090095050	90	95	50	28,51
ADU090095060	AKX090095060	90	95	60	34,21
ADU090095080	AKX090095080	90	95	80	45,62
ADU090095100	AKX090095100	90	95	100	57,02
ADU100105050	AKX100105050	100	105	50	31,59
ADU100105060	AKX100105060	100	105	60	37,91
ADU100105080	AKX100105080	100	105	80	50,55
ADU100105115	AKX100105115	100	105	115	72,67

AUTRES DIAMETRES SUR DEMANDE
 OTHER DIMENSIONS ON REQUEST

DOUILLE CEMENTEE TREMPEE ET RECTIFIEE
CASE - HARDENED AND GROUND BUSHING

CBAGF



Code Code	ØP	ØD	L	kg
CBAGF03020025	20	30	25	0,07
CBAGF03020030	20	30	30	0,09
CBAGF03020035	20	30	35	0,10
CBAGF03020040	20	30	40	0,12
CBAGF03020045	20	30	45	0,13
CBAGF03020050	20	30	50	0,15
CBAGF03525030	25	35	30	0,11
CBAGF03525035	25	35	35	0,12
CBAGF03525040	25	35	40	0,14
CBAGF03525045	25	35	45	0,16
CBAGF03525050	25	35	50	0,18
CBAGF03525055	25	35	55	0,20
CBAGF03525060	25	35	60	0,22
CBAGF04030030	30	40	30	0,12
CBAGF04030035	30	40	35	0,15
CBAGF04030040	30	40	40	0,17
CBAGF04030045	30	40	45	0,19
CBAGF04030050	30	40	50	0,21
CBAGF04030055	30	40	55	0,23
CBAGF04030060	30	40	60	0,25
CBAGF04535030	35	45	30	0,14
CBAGF04535035	35	45	35	0,17
CBAGF04535040	35	45	40	0,19
CBAGF04535045	35	45	45	0,22
CBAGF04535050	35	45	50	0,24
CBAGF04535055	35	45	55	0,27
CBAGF04535060	35	45	60	0,29
CBAGF05040030	40	50	30	0,16
CBAGF05040035	40	50	35	0,19
CBAGF05040040	40	50	40	0,22
CBAGF05040045	40	50	45	0,25
CBAGF05040050	40	50	50	0,27
CBAGF05040055	40	50	55	0,30
CBAGF05040060	40	50	60	0,33
CBAGF05040070	40	50	70	0,38

Code Code	ØP	ØD	L	kg
CBAGF05545030	45	55	30	0,18
CBAGF05545035	45	55	35	0,21
CBAGF05545040	45	55	40	0,24
CBAGF05545045	45	55	45	0,27
CBAGF05545050	45	55	50	0,30
CBAGF05545055	45	55	55	0,33
CBAGF05545060	45	55	60	0,37
CBAGF05545070	45	55	70	0,43
CBAGF05545080	45	55	80	0,49
CBAGF06050030	50	60	30	0,20
CBAGF06050035	50	60	35	0,23
CBAGF06050040	50	60	40	0,27
CBAGF06050045	50	60	45	0,30
CBAGF06050050	50	60	50	0,33
CBAGF06050055	50	60	55	0,37
CBAGF06050060	50	60	60	0,40
CBAGF06050070	50	60	70	0,47
CBAGF06050080	50	60	80	0,54
CBAGF06050090	50	60	90	0,61
CBAGF07060040	60	70	40	0,32
CBAGF07060045	60	70	45	0,36
CBAGF07060050	60	70	50	0,40
CBAGF07060055	60	70	55	0,44
CBAGF07060060	60	70	60	0,48
CBAGF07060070	60	70	70	0,56
CBAGF07060080	60	70	80	0,64
CBAGF07060090	60	70	90	0,72
CBAGF07060100	60	70	100	0,80
CBAGF08070040	70	80	40	0,37
CBAGF08070045	70	80	45	0,41
CBAGF08070050	70	80	50	0,46
CBAGF08070055	70	80	55	0,50
CBAGF08070060	70	80	60	0,55
CBAGF08070070	70	80	70	0,64
CBAGF08070080	70	80	80	0,74
CBAGF08070090	70	80	90	0,83
CBAGF08070100	70	80	100	0,92

MATERIEL : ACIER E410 (EN 10305)
MATERIAL : STEEL E410 (EN 10305)

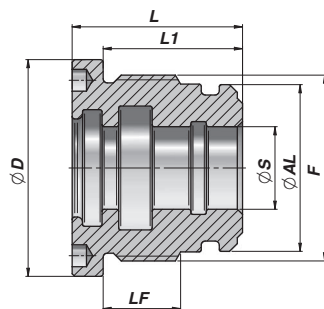
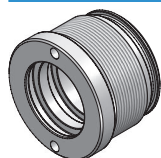
AUTRES DIAMETRES SUR DEMANDE
OTHER DIMENSIONS ON REQUEST

SUR DEMANDE : Douilles lisses, lisses avec éraillure, gorge interne avec éraillure, gorges trous avec éraillure.
ON REQUEST : Plain bush, plain with spiroil, inside groove with spiroil, grove holes with spiroil.

COMPOSANTS EN POUCES
COMPONENTS IN IMPERIAL SIZES

[illegible]

CGIN

TETE DE GUIDAGE EN POUCES
INCH HEAD BUSH

Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Pochette de joints Seal kits
CGIN134112034	1"1/2	3/4"	1.875	1"3/4 - 12 UN	0.875	1.812	1.500	0,36	GKGGP1120034
CGIN212200118	2"	1"1/8	2.520	2"1/4 - 16 UN	0.827	1.875	1.500	0,55	GKGGP2000118
CGIN300212118	2"1/2	1"1/8	2.992	2"3/4 - 16 UN	0.906	2.250	1.875	1,10	GKGGP2120118
CGIN300212114	2"1/2	1"1/4	"	"	"	"	"	1,00	GKGGP2120114
CGIN300212112	2"1/2	1"1/2	"	"	"	"	"	0,85	GKGGP2120112
CGIN312300112	3"	1"1/2	3.504	3"1/4 - 16 UN	1.181	2.300	1.925	1,50	GKGGP3000112
CGIN312300134	3"	1"3/4	"	"	"	"	"	1,33	GKGGP3000134
CGIN400312134	3"1/2	1"3/4	4.016	3"3/4 - 12 UN	1.260	2.375	2.000	2,35	GKGGP3120134
CGIN400312200	3"1/2	2"	"	"	"	"	"	2,10	GKGGP3120200
CGIN412400200	4"	2"	4.488	4"1/4 - 12 UN	1.772	3.250	2.750	4,00	GKGGP4000200
CGIN412400212	4"	2"1/2	"	"	"	"	"	3,20	GKGGP4000212
CGIN558500212	5"	2"1/2	5.669	5"1/4 - 12 UN	1.969	3.375	2.875	6,80	GKGGP5000212
CGIN558500234	5"	2"3/4	"	"	"	"	"	6,30	GKGGP5000234
CGIN558500300	5"	3"	"	"	"	"	"	5,80	GKGGP5000300
CGIN634600300	6"	3"	6.693	6"1/4 - 12 UN	2.165	3.688	3.125	9,40	GKGGP6000300
CGIN634600312	6"	3"1/2	"	"	"	"	"	8,30	GKGGP6000312

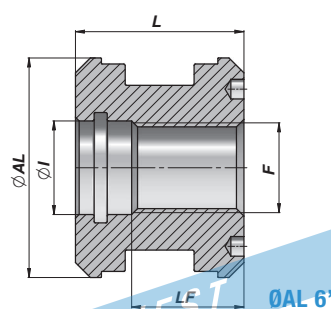
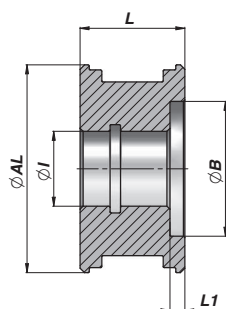
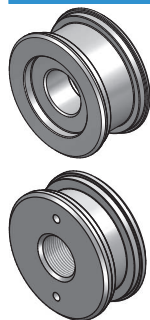
MATERIEL : FONTE EN-GJL 250 (G25-UNI 5007/EN 1561)

MATERIAL : HYDRAULIC CAST IRON EN-GJL 250 (G25-UNI 5007/EN 1561)

JOINTS : VOIR PAGE 159

SEALS : SEE PAGE 159

CTIN

PISTON EN POUCES
INCH PISTON

Code Code	ØAL	ØI	L	ØB	L1	F	LF	kg	Pochette de joints Seal kits
CTIN112016100	1"1/2	0.630	1.000	1.102	0.125	-	-	0,11	GKGTP112M160
CTIN200020112	2"	0.787	1.500	1.299	0.188	-	-	0,30	GKGTP200M200
CTIN212020112	2"1/2	0.787	1.500	1.625	0.188	-	-	0,58	GKGTP212M200
CTIN212023112	2"1/2	0.906	1.500	1.625	0.188	-	-	0,53	GKGTP212M230
CTIN300030134	3"	1.181	1.750	1.890	0.250	-	-	0,82	GKGTP300M300
CTIN312033134	3"1/2	1.299	1.750	2.283	0.313	-	-	1,20	GKGTP312M330
CTIN400033134	4"	1.299	1.750	2.500	0.313	-	-	1,88	GKGTP400M330
CTIN500040200	5"	1.575	2.188	3.000	0.500	-	-	3,35	GKGTP500M400
CTIN600052214	6"	2.047	2.375	-	-	2-12 UN	1.784	5,90	GKGTP600M520

MATERIEL : ACIER 9SMn28 - UNI C40

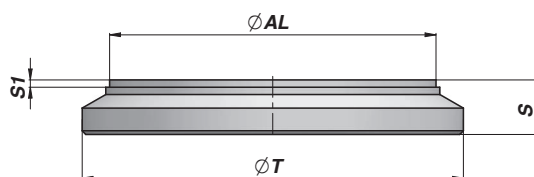
MATERIAL : STEEL 9SMn28 - UNI C40

JOINTS : VOIR PAGE 159

SEALS : SEE PAGE 159

FOND EN POUCES
INCH END PLUG

CFIN



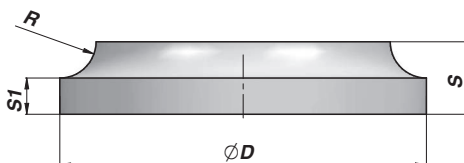
Code Code	ØAL	ØT	S	S1	kg
CFIN112200012	1"1/2	1.875	0.500	0.094	0,15
CFIN200212012	2"	2.500	0.500	0.125	0,26
CFIN212300012	2"1/2	2.963	0.500	0.125	0,38
CFIN300312012	3"	3.543	0.590	0.125	0,66
CFIN312400034	3"1/2	3.937	0.690	0.125	1,00
CFIN400412034	4"	4.500	0.750	0.125	1,45
CFIN500558078	5"	5.709	0.880	0.125	2,75
CFIN600634100	6"	6.750	1.000	0.125	4,30

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

FOND INTERNE EN POUCES
INCH INTERNAL END PLUG

CFIP

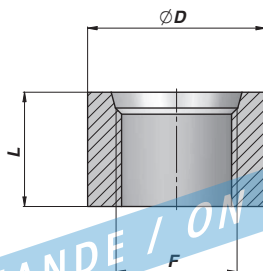
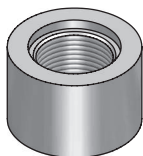


Code Code	ØAL	ØT	S	S1	R	kg
CFIP012200	2"	2.047	0.472	0.196	0.276	0,17
CFIP015212	2"1/2	2.559	0.591	0.315	0.276	0,27
CFIP015300	3"	3.071	0.591	0.276	0.315	0,47
CFIP017312	3"1/2	3.543	0.669	0.354	0.315	0,77
CFIP020400	4"	4.055	0.787	0.393	0.394	1,10
CFIP023500	5"	5.039	0.906	0.434	0.472	1,90
CFIP025600	6"	6.063	0.984	0.512	0.472	3,30

Ø AL = TUBE: ALESAGE - TUBE: BORE

MATERIEL : ACIER S355JO (Fe510C) - S355JR (A105)

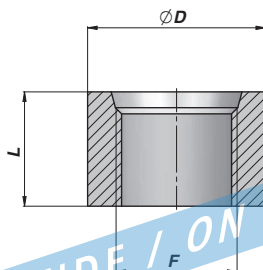
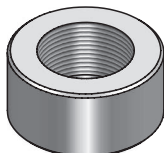
MATERIAL : STEEL S355JO (Fe510C) - S355JR (A105)

CBSJ**BOSSAGE TARAUDE SAE**
SAE THREADED PORT

Code Code		L	ØD	kg X 100
CBSJ475006	9/16" - 18 UNF SAE 06	0.708	0.866	3,50
CBSJ475008	3/4" - 16 UNF SAE 08	0.708	1.102	5,20
CBSJ475012	1"1/16 - 12 UN SAE 12	1.023	1.496	13,00
CBSJ475016	1"1/2 - 12 UN SAE 16	1.259	1.771	20,50

MATERIEL : ACIER

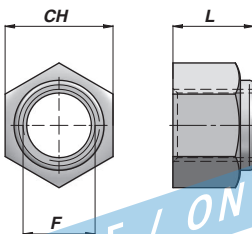
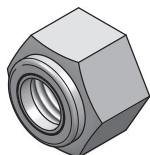
MATERIAL : STEEL

CBSNPT**BOSSAGE TARAUDE NPT**
NPT THREADED PORT

Code Code	F	L	ØD	kg X 100
CBSNPT0000014	1/4" NPT	0.500	1.024	3,00
CBSNPT0000038	3/8" NPT	0.500	1.024	3,00
CBSNPT0000012	1/2" NPT	0.687	1.260	6,00
CBSNPT0000034	3/4" NPT	0.687	1.496	8,00

MATERIEL : ACIER

MATERIAL : STEEL

CDAIN/CDBIN**ECROU DE BLOCAGE PISTON SAE**
SAE LOCKNUT

Code Code	F	L	CH	kg x 100	Code Code	F	L	CH	kg x 100
CDAIN00012020	1/2" - 20 UNF	0.591	0.748	2,00	CDBIN00114012	1"1/4 - 12 UNF	1.102	1.811	24,00
CDAIN00058018	5/8" - 18 UNF	0.748	0.945	5,00					
CDAIN00034016	3/4" - 16 UNF	0.866	1.063	7,00					
CDAIN00078014	7/8" - 14 UNF	0.984	1.260	10,00					
CDAIN00118012	1"1/8 - 12 UNF	1.181	1.614	21,00					
CDAIN00114012	1"1/4 - 12 UNF	1.378	1.811	34,00					
CDAIN00112012	1"1/2 - 12 UNF	1.614	2.165	48,00					

MATERIEL : ACIER UNI 7473 - 7474 - NYLON

MATERIAL : STEEL UNI 7473 - 7474 - NYLON

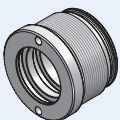
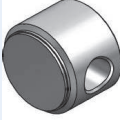
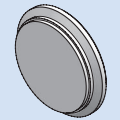
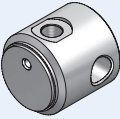
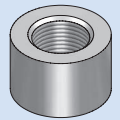
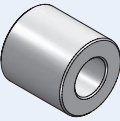
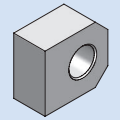
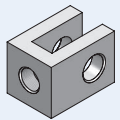
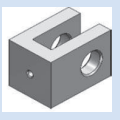
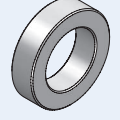
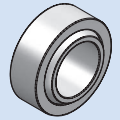
KIT JOINTS POUR TETE DE GUIDAGE "CGIN"
SEAL KITS FOR "CGIN" HEAD BUSH
GKGGP

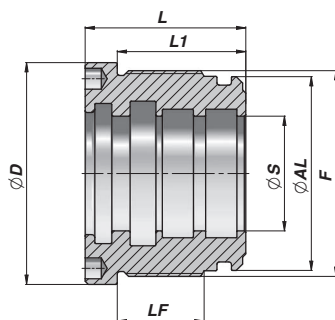
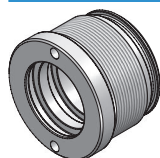
Code Code	Alésage/Tige Bore/Rod	O-Ring Dowty	GHK	TTI-L TTI - TSE	O-Ring Dowty
GKGGP1120034	1"1/2 - 3/4"	-	3/4"	TTI 19.50- 25.40	219
GKGGP2000118	2" - 1"1/8	137	1"1/8	TTI 28.57- 36.50	828
GKGGP2120118	2"1/2 - 1"1/8	145	1"1/8	TTI 28.57- 36.50	835
GKGGP2120114	2"1/2 - 1"1/4	145	1"1/4	TTI 31.75- 41.27	835
GKGGP2120112	2"1/2 - 1"1/2	145	1"1/2	TTI 38.10- 47.62	835
GKGGP3000112	3" - 1"1/2	151	1"1/2	TTI 38.10- 47.62	843
GKGGP3000134	3" - 1"3/4	151	1"3/4	TTI 44.45- 53.97	843
GKGGP3120134	3"1/2 - 1"3/4	238	1"3/4	TTI 44.45- 53.97	236
GKGGP3120200	3"1/2 - 2"	238	2"	TTI 50.80- 60.32	236
GKGGP4000200	4" - 2"	242	2"	TTI 50.80- 60.32	342
GKGGP4000212	4" - 2"1/2	242	2"1/2	TTI 63.50- 76.20	342
GKGGP5000212	5" - 2"1/2	250	2"1/2	TTI 63.50- 76.20	860
GKGGP5000234	5" - 2"3/4	250	2"3/4	TTI 69.80- 82.50	860
GKGGP5000300	5" - 3"	250	3"	TTI 76.20- 88.90	860
GKGGP6000300	6" - 3"	258	3"	TTI 76.20- 88.90	868
GKGGP6000312	6" - 3"1/2	258	3"1/2	TTI 88.90-101.60	868

KIT JOINTS POUR PISTON "CTIN"
SEAL KITS FOR "CTIN" PISTON
GKGTP

Code Code	Alésage/Perç. Piston Bore/Hole	TPM/P	O-Ring Dowty
GKGTP112M160	1"1/2 - 0.630	1500-1125	114
GKGTP200M200	2" - 0.787	2000-1375	117
GKGTP212M200	2"1/2 - 0.787	2500-1875	117
GKGTP212M230	2"1/2 - 0.906	2500-1875	213
GKGTP300M300	3" - 1.181	3000-2250	217
GKGTP312M330	3"1/2 - 1.299	3500-2750	219
GKGTP400M330	4" - 1.299	4000-3250	219
GKGTP500M400	5" - 1.575	5000-4000	824
GKGTP600M520	6" - 2.047	6000-5000	832

COMPOSANTS INOX STAINLESS STEEL COMPONENTS

	Description - Description	Type	Page
	TETE DE GUIDAGE INOX STAINLESS STEEL HEAD BUSH	CGXX	162
	POCHETTES DE JOINTS SEAL KITS	GKG	162
	FOND PERCE INOX STAINLESS STEEL END PLUG WITH HOLE	CFHRX	162
	FOND INOX STAINLESS STEEL END PLUG	CFX	163
	FOND PERCE INOX AVEC ENTREE HUILE STAINLESS STEEL END PLUG WITH CROSS HOLE AND INLET PORT	CFEX	163
	BOSSAGE TARAUDE INOX STAINLESS STEEL THREADED PORT	CBSX	163
	DOUILLE INOX STAINLESS STEEL BUSH	CBX	164
	CHAPE MALE INOX STAINLESS STEEL MALE CLEVIS	COFX	164
	CHAPE FEMELLE TARAUEE INOX STAINLESS STEEL THREADED FORK	CFFX	164
	CHAPE FEMELLE INOX A SOUDER STAINLESS STEEL WELDABLE FORK	CFSX	165
	BAGUE A SOUDER INOX POUR ROTULE "GE TGR" STAINLESS STEEL WELD-RING FOR "GE TGR" BALL-JOINT	CAGEX	165
	ROTULE RADIALE SANS ENTRETIEN MAINTENANCE FREE RADIAL BALL-JOINT	GE TGR	165

CGXX**TETE DE GUIDAGE INOX
STAINLESS STEEL HEAD BUSH**

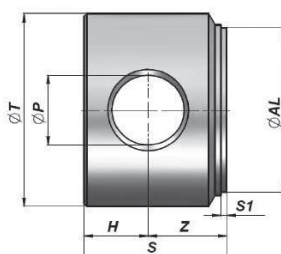
Code Code	ØAL	ØS	ØD	F	LF	L	L1	kg	Pochette de joints Seal kits
CGXX050040020	40	20	49	M44x1.5	19	40	32	0,28	GKGCXX040020
CGXX050040025	40	25	49	M44x1.5	19	40	32	0,23	GKGCXX040025
CGXX060050025	50	25	59	M54x1.5	22	43	35	0,46	GKGCXX050025
CGXX060050030	50	30	59	M54x1.5	22	43	35	0,39	GKGCXX050030
CGXX070060030	60	30	69	M64x1.5	27	50	40	0,80	GKGCXX060030
CGXX070060035	60	35	69	M64x1.5	27	50	40	0,70	GKGCXX060035
CGXX070060040	60	40	69	M64x1.5	27	50	40	0,60	GKGCXX060040
CGXX080070035	70	35	79	M74x1.5	27	50	40	1,06	GKGCXX070035
CGXX080070040	70	40	79	M74x1.5	27	50	40	0,94	GKGCXX070040
CGXX095080040	80	40	94	M85x2	33	60	50	1,90	GKGCXX080040

MATÉRIEL : AISI 316 INOX

MATERIAL : AISI 316 STAINLESS STEEL

GKGCXX**KIT JOINTS POUR TETE DE GUIDAGE "CGXX"
SEAL KITS FOR "CGXX" HEAD BUSH**

Code Code	Alésage/Tige Bore/Rod	GAF	GHK	O-Ring Dowty	TTI-L TTI - TSE	O-Ring Dowty GDS
GKGCXX040020	40 / 20	TEF-SEAL 03-6325	078110	126	TTI 20-28/L	219
GKGCXX040025	40 / 25	n°2 25x30x5.6	098129	126	TTI 25-33/L	219
GKGCXX050025	50 / 25	n°2 25x30x5.6	098129	132	TTI 25-35/L	826
GKGCXX050030	50 / 30	n°2 30x35x5.6	118149	132	TTI 30-40/1L	826
GKGCXX060030	60 / 30	n°2 30x35x9.7	118149	138	TTI 30-40/1L	832
GKGCXX060035	60 / 35	n°2 35x40x9.7	137169	138	TTI 35-45/L	832
GKGCXX060040	60 / 40	n°2 40x45x9.7	157188	138	TTI 40-48/L	832
GKGCXX070035	70 / 35	n°2 35x40x9.7	137169	145	TTI 35-45/L	839
GKGCXX070040	70 / 40	n°2 40x45x5.6	157188	145	TTI 40-50/3L	839
GKGCXX080040	80 / 40	n°2 40x45x9.7	157188	149	TTI 40-50/3L	GDS 845

CFHRX**FOND PERCE INOX
STAINLESS STEEL END PLUG WITH HOLE**

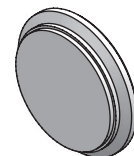
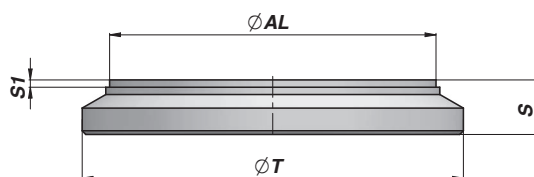
Code Code	ØAL	ØT	ØP	Z	H	S	S1	kg
CFHRX040020040	40	50	20.25	22	18	40	2	0,47
CFHRX050025049	50	60	25.25	27	22	49	2	0,83
CFHRX060025047	60	70	25.25	25	22	47	2	1,11
CFHRX070030063	70	80	30.25	35	28	63	2	2,01

MATÉRIEL : AISI 316 INOX

MATERIAL : AISI 316 STAINLESS STEEL

FOND INOX
STAINLESS STEEL END PLUG

CFX



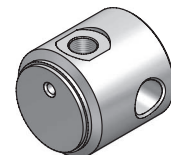
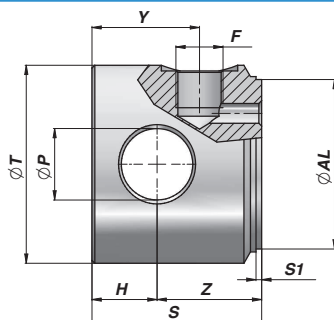
Code Code	ØAL	ØT	S	S1	kg
CFX00040050	40	50	10	2	0,13
CFX00050060	50	60	10	2	0,19
CFX00060070	60	70	12	2	0,33
CFX00070080	70	80	12	2	0,43
CFX00080095	80	95	12	2	0,60

MATÉRIEL : AISI 316 INOX

MATÉRIEL : AISI 316 STAINLESS STEEL

FOND PERCE INOX AVEC ENTREE HUILE
STAINLESS STEEL END PLUG WITH CROSS HOLE AND INLET PORT

CFEX



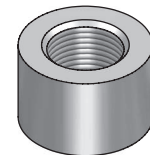
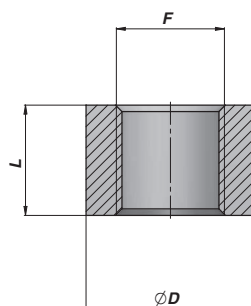
Code Code	ØAL	ØT	ØP	Z	H	F BSP	Y	S	S1	kg
CFEX040050416	40	50	16.20	35	15	1/4"	30	50	2	0,60
CFEX050060620	50	60	20.25	40	20	3/8"	38	60	2	1,10
CFEX060070625	60	70	25.25	37	23	3/8"	38	60	2	1,40
CFEX070080625	70	80	25.25	37	23	3/8"	38	60	2	1,95

MATÉRIEL : AISI 316 INOX

MATÉRIEL : AISI 316 STAINLESS STEEL

BOSSAGE TARAUDE INOX
STAINLESS STEEL THREADED PORT

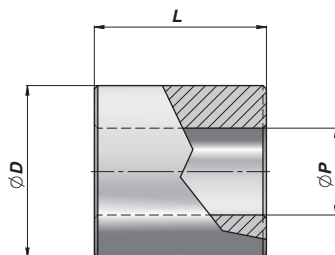
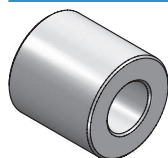
CBSX



Code Code	F BSP	L	ØD	kg x 100
CBSX040000	1/4"	15	20	3,00
CBSX060000	3/8"	17	26	4,00
CBSX080000	1/2"	20	32	4,00

MATÉRIEL : AISI 316 INOX

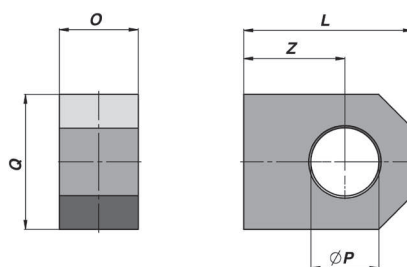
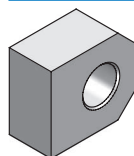
MATÉRIEL : AISI 316 STAINLESS STEEL

CBX**DOUILLE INOX**
STAINLESS STEEL BUSH

Code Code	ØP	ØD	L	kg
CBX016035030	16.20	35	30	0,18
CBX020040040	20.25	40	40	0,29
CBX025050050	25.25	50	50	0,56
CBX030060060	30.25	60	60	0,97

MATERIEL : AISI 316 INOX

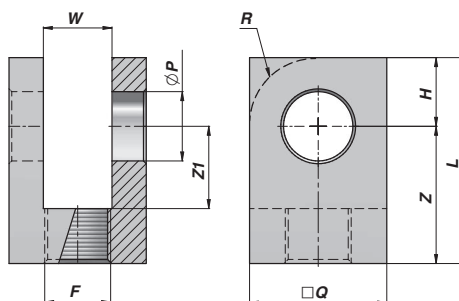
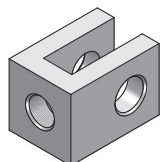
MATERIAL : AISI 316 STAINLESS STEEL

COFX**CHAPE MALE INOX**
STAINLESS STEEL MALE CLEVIS

Code Code	ØP	O	Q	Z	L	kg
COFX0200000	20.25	25	45	30	50	0,35

MATERIEL : AISI 316 INOX

MATERIAL : AISI 316 STAINLESS STEEL

CFFX**CHAPE FEMELLE TARAUEE INOX**
STAINLESS STEEL THREADED FORK

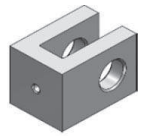
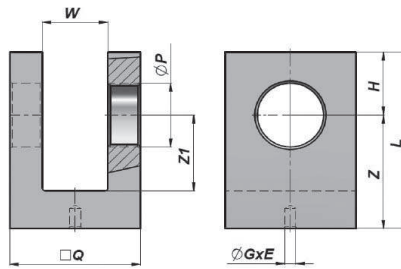
Code Code	ØP	L	Z	Z1	H	Q	W	F	kg
CFFX0161615	16.20	55	39	24	16	35	16	M16x1.5	0,30
CFFX0202015	20.25	65	45	30	20	40	20	M20x1.5	0,40
CFFX0252420	25.25	75	50	30	25	50	25	M24x2	0,75

MATERIEL : AISI 316 INOX

MATERIAL : AISI 316 STAINLESS STEEL

CHAPE FEMELLE INOX A SOUDER
STAINLESS STEEL WELDABLE FORK

CFSX



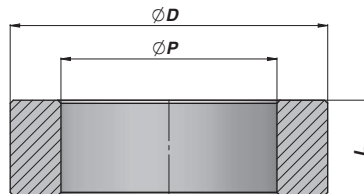
Code Code	ØP	ØQ	W	Z	Z1	H	L	ØGxE	kg
CFSX0000016	16.20	35	16	34	24	16	50	ø 4.25 x 6	0,27
CFSX0000020	20.25	40	20	40	30	20	60	ø 4.25 x 6	0,39
CFSX0000025	25.25	50	25	45	30	25	70	ø 4.25 x 6	0,74

MATERIEL : AISI 316 INOX

MATERIAL : AISI 316 STAINLESS STEEL

BAGUE A SOUDER INOX POUR ROTULE "GE TGR"
STAINLESS STEEL WELD-RING FOR "GE TGR" BALL-JOINT

CAGEX



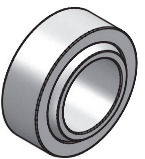
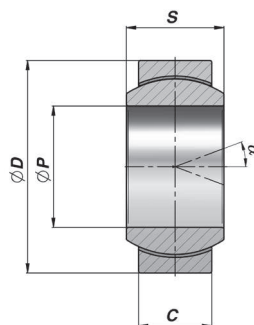
Code Code	Per For	ØD	L	ØP	kg
CAGEX050035	GE ø20	50	14	35	0,11
CAGEX069042	GE ø25	69	19	42	0,35
CAGEX075047	GE ø30	75	20	47	0,41
CAGEX094062	GE ø40	94	26	62	0,79

MATERIEL : AISI 316 INOX

MATERIAL : AISI 316 STAINLESS STEEL

ROTULE RADIALE SANS ENTRETIEN
MAINTENANCE FREE RADIAL BALL-JOINT

GE TGR



Code Code	ØP	ØD	S	C	α	FC	kg
CGE0003603	20	35	16	12	9	41.5	0,06
CGE0003604	25	42	20	16	7	68.0	0,12
CGE0003605	30	47	22	18	6	88.0	0,16
CGE0003607	40	62	28	22	7	140.0	0,32

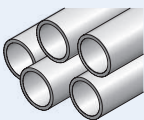
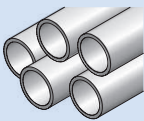
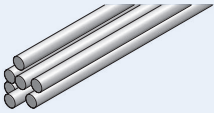
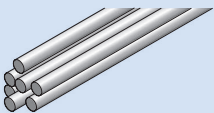
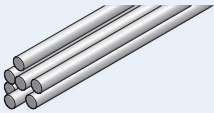
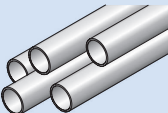
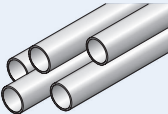
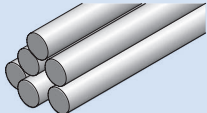
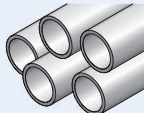
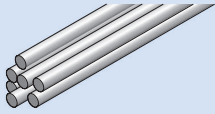
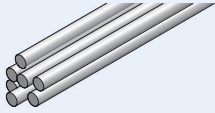
FC = CHARGE DYN. MAXI - MAX DYNAMIC LOAD

ACCOUPLEMENT - COUPLING : ACIER/PTEF - STEEL/PTEF

MATERIEL : INOX AISI420 - ISO 12240-1 SERIE G

MATERIAL : STAINLESS STEEL AISI420 - ISO 12240-1 SERIE G

MATIERES PREMIERES RAW MATERIAL

	Description - Description	Type SUR DEMANDE / ON REQUEST	Page
	TUBE GLACE H9 POLISHED TUBE H9	FT	168
	TUBE RODE H8 HONED TUBE H8	FTL	168
	TIGE CHROMEE C45 CHROME PLATED ROD C45	FAC	169
	20MnV6 TIGE CHROMEE 20MnV6 CHROME PLATED ROD	FACV	169
	500H TIGE CHROMEE 500H CHROME PLATED ROD	FACM	169
	TUBE HYDRAULIQUE EN ACIER FEED PIPE	FTE	170
	TUBE HYDRAULIQUE ZINGUE ZINC PLATED FEED PIPE	FTZ	170
	FONTE CAST IRON	FGP	171
	INOX AISI 316 - TUBE RODE H8 AISI 316 STAINLESS STEEL - HONED TUBE H8	FTLX	171
	INOX AISI 304 - TIGE CHROMEE AISI 304 STAINLESS STEEL - CHROME PLATED ROD	FAX304	171
	INOX AISI 316 - TIGE CHROMEE AISI 316 STAINLESS STEEL - CHROME PLATED ROD	FAX316	171

FT

TUBE GLACE H9
POLISHED TUBE H9

Code Code	Ø Ext. O.D. mm	Ø Int. I.D. mm	kg/m
FT03002000	30	20	3,08
FT03502500	35	25	3,70
FT04003000	40	30	4,32
FT04203200	42	32	4,56
FT04503500	45	35	4,93
FT04804000	48	40	4,34
FT05004000	50	40	5,55
FT05504500	55	45	6,17
FT05805000	58	50	5,33
FT06005000	60	50	6,78
FT06205000	62	50	8,29
FT06505000	65	50	10,64
FT06505500	65	55	7,40
FT06806000	68	60	6,31
FT07005500	70	55	11,56
FT07006000	70	60	8,01
FT07206000	72	60	9,77
FT07306300	73	63	8,38
FT07506000	75	60	12,48
FT07506300	75	63	10,21
FT07506500	75	65	8,63
FT07807000	78	70	7,30
FT08006500	80	65	13,41
FT08007000	80	70	9,25
FT08207000	82	70	11,24
FT08507000	85	70	14,33
FT08507500	85	75	9,86
FT09007500	90	75	15,26
FT09008000	90	80	10,48
FT09208000	92	80	12,73
FT09508000	95	80	16,18
FT09508500	95	85	11,10
FT10008500	100	85	17,11
FT10009000	100	90	11,71
FT10209000	102	90	14,21
FT10509000	105	90	18,03
FT11210000	112	100	15,68
FT11510000	115	100	19,87
FT12511000	125	110	21,73

MATERIEL : ACIER St 52.3 DIN 2393 ISO H9
MATERIAL : STEEL St 52.3 DIN 2393 ISO H9

TUBES ET TIGES PEUVENT ETRE FOURNIS COUPES SUR MESURE
TUBES AND CHROME PLATED RODS CAN BE SUPPLIED CUT TO MEASURE

FTL

TUBE RODE H8
HONED TUBE H8

Code Code	Ø Ext. O.D. mm	Ø Int. I.D. mm	kg/m
FTL0350250	35	25	3,70
FTL0400300	40	30	4,32
FTL0420320	42	32	4,56
FTL0450300	45	30	6,94
FTL0500400	50	40	5,55
FTL0550400	55	40	8,79
FTL0550450	55	45	6,17
FTL0600400	60	40	12,33
FTL0600450	60	45	9,71
FTL0600500	60	50	6,78
FTL0650500	65	50	10,63
FTL0650550	65	55	7,40
FTL0700500	70	50	14,80
FTL0700550	70	55	11,56
FTL0700600	70	60	8,01
FTL0730630	73	63	8,38
FTL0750600	75	60	12,48
FTL0750630	75	63	10,21
FTL0750650	75	65	8,63
FTL0800600	80	60	17,26
FTL0800650	80	65	13,41
FTL0800700	80	70	9,25
FTL0850700	85	70	14,33
FTL0900700	90	70	19,73
FTL0900750	90	75	15,26
FTL0900800	90	80	10,48
FTL0920800	92	80	12,72
FTL0950800	95	80	16,18
FTL1000800	100	80	22,19
FTL1000850	100	85	17,11
FTL1050900	105	90	18,03
FTL1100900	110	90	24,66
FTL1100950	110	95	18,96
FTL1151000	115	100	19,88
FTL1201000	120	100	27,13
FTL1201050	120	105	20,81
FTL1251000	125	100	34,68
FTL1251100	125	110	21,73
FTL1301100	130	110	29,59
FTL1301150	130	115	22,66
FTL1351150	135	115	30,83
FTL1401150	140	115	39,30
FTL1351200	135	120	23,58
FTL1401200	140	120	32,06
FTL1401250	140	125	24,51
FTL1451250	145	125	33,29
FTL1501250	150	125	42,38
FTL1501300	150	130	34,52
FTL1601400	160	140	36,99
FTL1651400	165	140	47,01
FTL1701400	170	140	57,33
FTL1701500	170	150	39,46
FTL1801500	180	150	61,03
FTL1801600	180	160	41,92
FTL1901600	190	160	64,73
FTL2101800	210	180	72,13
FTL2302000	230	200	79,53
FTL2452000	245	200	123,45
FTL2982500	298	250	162,16

MATERIEL : ACIER St 52.3 DIN 2391 ISO H8
MATERIAL : STEEL St 52.3 DIN 2391 ISO H8

TUBE EN POUCHES SUR DEMANDE
TUBE IN INCHES ON REQUEST

TIGE CHROME C45
CHROME PLATED ROD C45

FAC

Code Code	Ø mm	Ø Pouces Ø Inches	kg/m
FAC008L000LOT	8.00		0,40
FAC010L000LOT	10.00		0,62
FAC012L000LOT	12.00		0,89
FAC013L000LOT	12.70	1/2"	0,99
FAC014L000LOT	14.00		1,21
FAC015L000LOT	15.00		1,39
FAC0159L000LOT	15.87	5/8"	1,56
FAC016L000LOT	16.00		1,58
FAC018L000LOT	18.00		2,00
FAC019L000LOT	19.05	3/4"	2,22
FAC020L000LOT	20.00		2,47
FAC022L000LOT	22.00		2,99
FAC023L000LOT	22.22	7/8"	3,04
FAC025L000LOT	25.00		3,86
FAC026L000LOT	25.40	1"	3,98
FAC028L000LOT	28.00		4,84
FAC029L000LOT	28.58	1"1/8	5,03
FAC030L000LOT	30.00		5,56
FAC031L000LOT	31.75	1"1/4	6,22
FAC032L000LOT	32.00		6,32
FAC034L000LOT	34.94	1"3/8	7,51
FAC035L000LOT	35.00		7,56
FAC036L000LOT	36.00		8,00
FAC038L000LOT	38.00		8,91
FAC039L000LOT	38.10	1"1/2	8,96
FAC040L000LOT	40.00		9,88
FAC044L000LOT	44.45	1"3/4	12,20
FAC045L000LOT	45.00		12,50

Code Code	Ø mm	Ø Pouces Ø Inches	kg/m
FAC050L000LOT	50.00		15,43
FAC051L000LOT	50.80	2"	15,93
FAC055L000LOT	55.00		18,67
FAC056L000LOT	56.00		19,36
FAC057L000LOT	57.15	2"1/4	20,16
FAC060L000LOT	60.00		22,22
FAC063L000LOT	63.00		24,46
FAC064L000LOT	63.50	2"1/2	24,89
FAC065L000LOT	65.00		26,08
FAC070L000LOT	70.00		30,25
FAC075L000LOT	75.00		34,72
FAC076L000LOT	76.20	3"	35,84
FAC080L000LOT	80.00		39,51
FAC085L000LOT	85.00		44,60
FAC089L000LOT	88.90	3"1/2	48,40
FAC090L000LOT	90.00		50,00
FAC095L000LOT	95.00		55,61
FAC100L000LOT	100.00		61,73
FAC102L000LOT	101.60	4"	63,60
FAC105L000LOT	105.00		68,22
FAC110L000LOT	110.00		74,70
FAC114L000LOT	114.30	4"1/2	80,00
FAC120L000LOT	120.00		88,90
FAC125L000LOT	125.00		96,50
FAC130L000LOT	130.00		104,20
FAC140L000LOT	140.00		120,84
FAC150L000LOT	150.00		138,72

MATERIEL : ACIER UNI C45 SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS
 MATERIAL : STEEL UNI C45 SAE 1045 - CHROME 25 µm ±5 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS

20MnV6 TIGE CHROME
20MnV6 CHROME PLATED ROD

FACV

Code Code	Ø mm	kg/m
FACV020L00LOT	20	2,47
FACV025L00LOT	25	3,86
FACV030L00LOT	30	5,56
FACV035L00LOT	35	7,56
FACV040L00LOT	40	9,88
FACV045L00LOT	45	12,50
FACV050L00LOT	50	15,43
FACV060L00LOT	60	22,22
FACV070L00LOT	70	30,25
FACV080L00LOT	80	39,51
FACV090L00LOT	90	50,00
FACV100L00LOT	100	61,73

MATERIEL : ACIER 20MnV6 - CHROME 25 µm ±5
 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS
 MATERIAL : STEEL 20MnV6 - CHROME 25 µm ±5
 Rating 9 / 200h (<ø20 120h) ISO 10289 - 1999/ISO 9227-NSS

500h TIGE CHROME
500h CHROME PLATED ROD

FACM

Code Code	Ø mm	kg/m
FACM020000	20	2,47
FACM025000	25	3,86
FACM030000	30	5,56
FACM035000	35	7,56
FACM040000	40	9,88
FACM045000	45	12,50
FACM050000	50	15,43
FACM060000	60	22,22
FACM070000	70	30,25
FACM080000	80	39,51
FACM090000	90	50,00
FACM100000	100	61,73

MATERIEL : ACIER UNI C45 SAE 1045 - CHROME 25 µm ±5
 Rating 9 / 500h ISO 10289 - 1999/ISO 9227-NSS
 MATERIAL : STEEL UNI C45 SAE 1045 - CHROME 25 µm ±5
 Rating 9 / 500h ISO 10289 - 1999/ISO 9227-NSS

AUTRES DIAMETRES SUR DEMANDE - OTHER DIMENSIONS ON REQUEST

TIGE CHROME SUR DEMANDE:

C45 TREMPEE PAR INDUCTION (H.F.)
 C45 CHROME 45±5 µm e 70±5 µm
 42CrMo4 BONIFIEE
 42CrMo4 BONIFIEE e TREMPEE PAR INDUCTION
 TUBE CHROME EXTERIEUREMENT

CHROME PLATED ROD ON REQUEST:

C45 INDUCTION-HARDENED
 C45 CHROME 45±5 µm and 70±5 µm
 42CrMo4 RECLAIMED
 42CrMo4 RECLAIMED and INDUCTION-HARDENED
 EXTERNALLY CHROMIUM PLATED TUBE

FTE

TUBE HYDRAULIQUE EN ACIER
FEED PIPE

Code Code	Ø mm	Epaisseur Thickness mm	kg/m
FTE0604000	6	1.0	0,12
FTE0603000	6	1.5	0,16
FTE0602000	6	2.0	0,20
FTE0806000	8	1.0	0,17
FTE0805000	8	1.5	0,24
FTE0804000	8	2.0	0,30
FTE1008000	10	1.0	0,22
FTE1007000	10	1.5	0,31
FTE1006000	10	2.0	0,39
FTE1210000	12	1.0	0,27
FTE1209000	12	1.5	0,38
FTE1208000	12	2.0	0,49
FTE1206000	12	2.5	0,59
FTE1207000	12	3.0	0,67
FTE1411000	14	1.5	0,46
FTE1410000	14	2.0	0,59
FTE1409000	14	2.5	0,71
FTE1513000	15	1.0	0,34
FTE1512000	15	1.5	0,49
FTE1511000	15	2.0	0,64
FTE1510000	15	2.5	0,77
FTE1613000	16	1.5	0,53
FTE1612000	16	2.0	0,69
FTE1611000	16	2.5	0,83
FTE1610000	16	3.0	0,96
FTE1815000	18	1.5	0,61
FTE1814000	18	2.0	0,79
FTE1813000	18	2.5	0,96
FTE1812000	18	3.0	1,11
FTE2017000	20	1.5	0,68
FTE2016000	20	2.0	0,89
FTE2015000	20	2.5	1,08
FTE2014000	20	3.0	1,26
FTE2218000	22	2.0	0,99
FTE2217000	22	2.5	1,20
FTE2216000	22	3.0	1,42
FTE2521000	25	2.0	1,13
FTE2520000	25	2.5	1,39
FTE2519000	25	3.0	1,63
FTE2517000	25	4.0	2,07
FTE2515000	25	5.0	2,47
FTE2824000	28	2.0	1,28
FTE2823000	28	2.5	1,57
FTE2822000	28	3.0	1,85
FTE2820000	28	4.0	2,37
FTE3026000	30	2.0	1,38
FTE3025000	30	2.5	1,70
FTE3024000	30	3.0	2,00
FTE3022000	30	4.0	2,57
FTE3531000	35	2.0	1,63
FTE3530000	35	2.5	2,00
FTE3529000	35	3.0	2,37
FTE3527000	35	4.0	3,06
FTE3832000	38	3.0	2,59
FTE3830000	38	4.0	3,35
FTE3828000	38	5.0	4,07
FTE4238000	42	2.0	1,97
FTE4236000	42	3.0	2,88
FTE4234000	42	4.0	3,75
FTE4232000	42	5.0	4,56

MATERIEL : ACIER EN 235+N - E10305-4 S/S - PHOSPHATE
MATERIAL : STEEL EN 235+N - E10305-4 S/S - PHOSPHATED

FTZ

TUBE HYDRAULIQUE ZINGUE
ZINC PLATED FEED PIPE

Code Code	Ø mm	Epaisseur Thickness mm	kg/m
FTZ0604000	6	1.0	0,12
FTZ0603000	6	1.5	0,16
FTZ0602000	6	2.0	0,20
FTZ0806000	8	1.0	0,17
FTZ0805000	8	1.5	0,24
FTZ0804000	8	2.0	0,30
FTZ1008000	10	1.0	0,22
FTZ1007000	10	1.5	0,31
FTZ1006000	10	2.0	0,39
FTZ1210000	12	1.0	0,27
FTZ1209000	12	1.5	0,38
FTZ1208000	12	2.0	0,49
FTZ1207000	12	2.5	0,59
FTZ1206000	12	3.0	0,67
FTZ1411000	14	1.5	0,46
FTZ1410000	14	2.0	0,59
FTZ1409000	14	2.5	0,71
FTZ1513000	15	1.0	0,34
FTZ1512000	15	1.5	0,49
FTZ1511000	15	2.0	0,64
FTZ1510000	15	2.5	0,77
FTZ1613000	16	1.5	0,53
FTZ1612000	16	2.0	0,69
FTZ1611000	16	2.5	0,83
-	-	-	-
FTZ1815000	18	1.5	0,61
FTZ1814000	18	2.0	0,79
FTZ1813000	18	2.5	0,96
FTZ1812000	18	3.0	1,11
FTZ2017000	20	1.5	0,68
FTZ2016000	20	2.0	0,89
FTZ2015000	20	2.5	1,08
FTZ2014000	20	3.0	1,26
FTZ2218000	22	2.0	0,99
FTZ2217000	22	2.5	1,20
FTZ2216000	22	3.0	1,42
FTZ2521000	25	2.0	1,13
FTZ2520000	25	2.5	1,39
FTZ2519000	25	3.0	1,63
FTZ2517000	25	4.0	2,07
-	-	-	-
FTZ2824000	28	2.0	1,28
FTZ2823000	28	2.5	1,57
FTZ2822000	28	3.0	1,85
FTZ2820000	28	4.0	2,37
FTZ3026000	30	2.0	1,38
FTZ3025000	30	2.5	1,70
FTZ3024000	30	3.0	2,00
FTZ3022000	30	4.0	2,57
FTZ3531000	35	2.0	1,63
FTZ3530000	35	2.5	2,00
FTZ3529000	35	3.0	2,37
FTZ3527000	35	4.0	3,06
FTZ3832000	38	3.0	2,59
FTZ3830000	38	4.0	3,35
FTZ3828000	38	5.0	4,07
FTZ4238000	42	2.0	1,97
FTZ4236000	42	3.0	2,88
FTZ4234000	42	4.0	3,75
-	-	-	-

MATERIEL : ACIER EN 235+N - E10305-4 S/S ZINGUE + PASSIVE BLANC SANS CHROME HEXAVALENT
MATERIAL : STEEL EN 235+N - E10305-4 S/S ZINC PLATED AND PASSIVATED FEEDPIPE FREE OF HEXAVALENT CHROME

AUTRES DIAMETRES SUR DEMANDE - OTHER DIMENSIONS ON REQUEST

FONTE
CAST IRON

FGP

Code Code	Ø mm	kg/m	Code Code	Ø mm	kg/m
FGP0350000	35	7,21	FGP1250000	125	91,93
FGP0400000	40	9,41	FGP1300000	130	99,43
FGP0450000	45	11,91	FGP1400000	140	115,31
FGP0500000	50	14,71	FGP1450000	145	123,70
FGP0550000	55	17,80	FGP1500000	150	132,37
FGP0600000	60	21,18	FGP1550000	155	141,35
FGP0650000	65	24,86	FGP1600000	160	150,61
FGP0700000	70	28,83	FGP1700000	170	170,03
FGP0750000	75	33,09	FGP1800000	180	190,62
FGP0800000	80	37,65	FGP1900000	190	212,39
FGP0850000	85	42,51	FGP2000000	200	235,33
FGP0900000	90	47,65	FGP2100000	210	259,45
FGP0950000	95	53,10	FGP2200000	220	284,75
FGP1000000	100	58,83	FGP2300000	230	311,23
FGP1050000	105	64,86	FGP2500000	250	367,71
FGP1100000	110	71,19	FGP2600000	260	397,71
FGP1150000	115	77,81	FGP2700000	270	428,89
FGP1200000	120	84,72			

MATERIEL : FONTE EN-GJL 250 (G25-UNI 5007/EN 1561)

MATERIAL : HYDRAULIC CAST IRON EN-GJL 250 (G25-UNI 5007/EN 1561)

AISI 316 - TUBE RODE H8
AISI 316 - HONED TUBE H8

FTLX

Code Code	Ø Ext. O.D. mm	Ø Int. I.D. mm	kg/m
FTLX050040	50	40	5,55
FTLX060050	60	50	6,78
FTLX070060	70	60	8,01
FTLX080070	80	70	9,25

MATERIEL : INOX AISI 316

MATERIAL : STAINLESS STEEL AISI 316

AISI 304 TIGE CHROME
AISI 304 CHROME PLATED ROD

FAX304

Code Code	Ø mm	kg/m
FAX304.020	20	2,47
FAX304.025	25	3,85
FAX304.030	30	5,55
FAX304.035	35	7,55
FAX304.040	40	9,86
FAX304.045	45	12,50
FAX304.050	50	15,40
FAX304.060	60	22,20
FAX304.070	70	30,20

MATERIEL : INOX AISI 304 - CHROME 25 MICRON ±5

MATERIAL : STAINLESS STEEL AISI 304 - CHROME 25 MICRON ±5

SUR DEMANDE : TIGE INOX RECTIFIEE (H8) AISI 304
ON REQUEST : STAINLESS STEEL ROD RECTIFIED (H8) AISI 304

AUTRES DIAMETRES SUR DEMANDE - OTHER DIMENSIONS ON REQUEST

AISI 316 TIGE CHROME
AISI 316 CHROME PLATED ROD

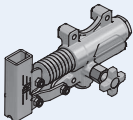
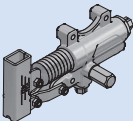
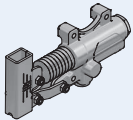
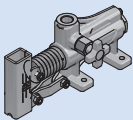
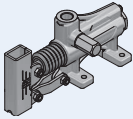
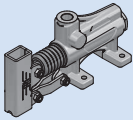
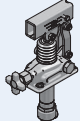
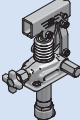
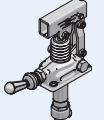
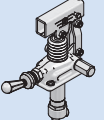
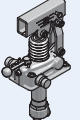
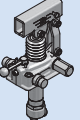
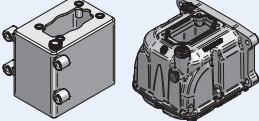
FAX316

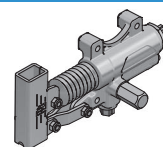
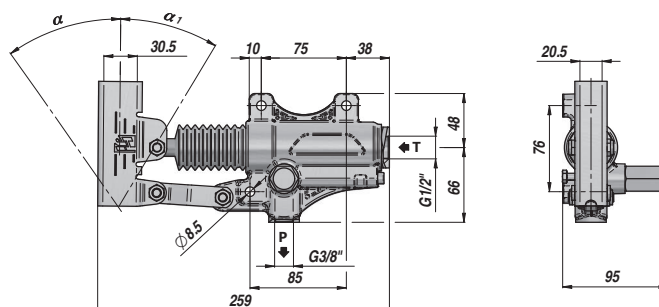
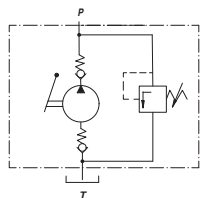
Code Code	Ø mm	kg/m
FAX316.020	20	2,47
FAX316.025	25	3,85
FAX316.030	30	5,55
FAX316.035	35	7,55
FAX316.040	40	9,86
FAX316.050	50	15,40

MATERIEL : INOX AISI 316 - CHROME 25 MICRON ±5

MATERIAL : STAINLESS STEEL AISI 316 - CHROME 25 MICRON ±5

POMPES A MAIN ET RESERVOIRS HAND PUMPS AND TANKS

	Description - Description	Type	Page
	POMPE A MAIN - NON PREDISPOSEE POUR RESERVOIR AVEC ROBINET DE RELACHE HAND PUMP - NOT SUITABLE FOR OIL TANK WITH LOWERING VALVE	PAM-S 20	174
	POMPE A MAIN - NON PREDISPOSEE POUR RESERVOIR AVEC LIMITEUR DE PRESSION HAND PUMP - NOT SUITABLE FOR OIL TANK WITH RELIEF VALVE	PAM-SV 20	175
	POMPE A MAIN - NON PREDISPOSEE POUR RESERVOIR SANS ROBINET DE RELACHE HAND PUMP - NOT SUITABLE FOR OIL TANK WITHOUT LOWERING VALVE	PAM-ES 20	176
	POMPE A MAIN - NON PREDISPOSEE POUR RESERVOIR AVEC ROBINET DE RELACHE HAND PUMP - NOT SUITABLE FOR OIL TANK WITH LOWERING VALVE	PAM-S 40	177
	POMPE A MAIN - NON PREDISPOSEE POUR RESERVOIR AVEC LIMITEUR DE PRESSION HAND PUMP - NOT SUITABLE FOR OIL TANK WITH RELIEF VALVE	PAM-SV 40	178
	POMPE A MAIN - NON PREDISPOSEE POUR RESERVOIR SANS ROBINET DE RELACHE HAND PUMP - NOT SUITABLE FOR OIL TANK WITHOUT LOWERING VALVE	PAM-ES 40	179
	POMPE A MAIN - PREDISPOSEE POUR RESERVOIR AVEC ROBINET DE RELACHE HAND PUMP - SUITABLE FOR OIL TANK WITH LOWERING VALVE	PAM-TS	180
	POMPE A MAIN - PREDISPOSEE POUR RESERVOIR AVEC ROBINET DE RELACHE ET LIMITEUR DE PRESSION HAND PUMP - SUITABLE FOR OIL TANK WITH LOWERING VALVE AND RELIEF VALVE	PAM-TSV	181
	POMPE A MAIN - PREDISPOSEE POUR RESERVOIR AVEC LEVIER A RAPPEL HAND PUMP - SUITABLE FOR OIL TANK WITH LEVER RELEASE	PAM-TRS	182
	POMPE A MAIN - PREDISPOSEE POUR RESERVOIR AVEC LEVIER A RAPPEL ET LIMITEUR DE PRESSION HAND PUMP - SUITABLE FOR OIL TANK WITH LEVER RELEASE AND RELIEF VALVE	PAM-TRSV	183
	POMPE A MAIN - PREDISPOSEE POUR RESERVOIR AVEC DEVIATEUR 4 VOIES HAND PUMP - SUITABLE FOR OIL TANK WITH 4-WAY DIVERTER	PAM-TDS	184
	POMPE A MAIN - PREDISPOSEE POUR RESERVOIR AVEC DEVIATEUR 4 VOIES ET LIMITEUR DE PRESSION HAND PUMP - SUITABLE FOR OIL TANK WITH 4-WAY DIVERTER AND RELIEF VALVE	PAM-TDSV	185
	RESERVOIR POUR POMPE A MAIN (TYPE PAM-T et PAM-TD) TANK FOR HAND PUMP (PAM-T / PAM-TD TYPE)	PM PAMSAL	186

POMPE A MAIN AVEC LIMITEUR DE PRESSION
HAND PUMP WITH RELIEF VALVE
PAM-SV 20
NON PREDISPOSEE POUR RESERVOIR
NOT SUITABLE FOR OIL TANK


Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	α	α ₁	Température d'exercice Working Temperature	kg
PAM0142005	PAM-SV 20	20	350	38°	25°	-20°C +80°C	2,87

Fonctionnement D.E. pour vérin S.E. - Double-stroke for a S.A. cylinder

SUR DEMANDE - ON REQUEST:

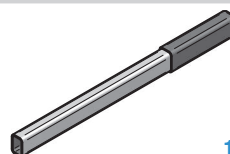
PAMX-SV = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

FPM = JOINTS EN VITON - VITON SEALS

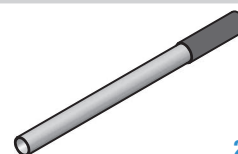
VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

LEVIER - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

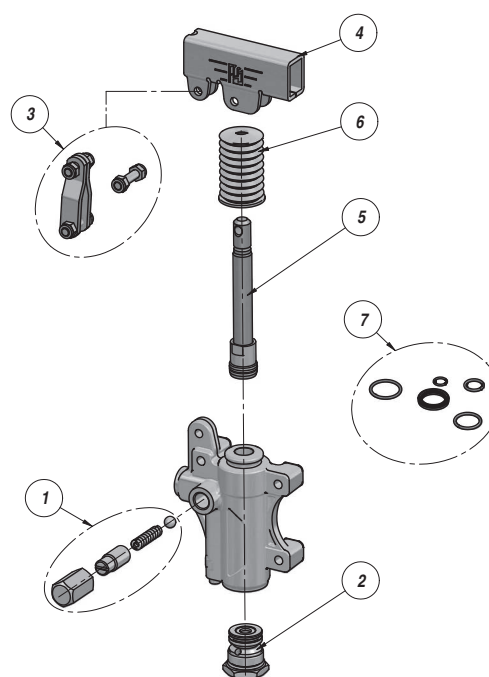


2

* LEVIER STANDARD - STANDARD HAND LEVER

PIECES DETACHEES - SPARE PARTS

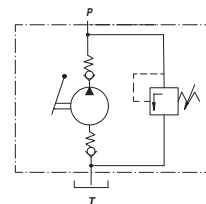
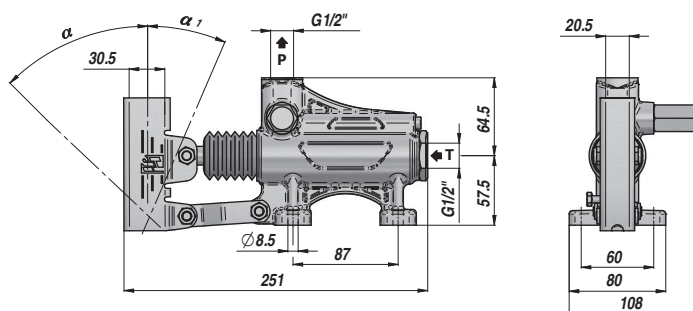
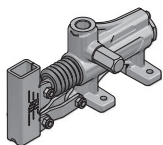
Code Code	Description Description	N°
PAMJVMP000	Kit Limiteur de pression Relief valve kit	1
PAMJV02000	Kit aspiration Suction valve kit	2
PAMJB02040	Kit bielle Conrod kit	3
PAMJ010002	Support levier Hand lever holder	4
PAMJPS2025	Kit piston+tige Rod Piston assembled kit	5
PAMJ020015	Soufflet Bellow	6
PAMGTV0020	Pochettes de joints standard Standard seal kits	7



PAM-SV 40

POMPE A MAIN AVEC LIMITEUR DE PRESSION HAND PUMP WITH RELIEF VALVE

NON PREDISPOSEE POUR RESERVOIR
NOT SUITABLE FOR OIL TANK



Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	α	α ₁	Température d'exercice Working Temperature	kg
PAM0144005	PAM-SV 40	42	280	50°	20°	-20°C +80°C	3,36

Fonctionnement D.E. pour vérin S.E. - Double-stroke for a S.A. cylinder

SUR DEMANDE - ON REQUEST:

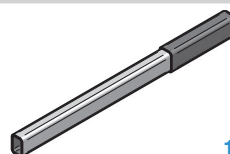
PAMX-SV = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

FPM = JOINTS EN VITON - VITON SEALS

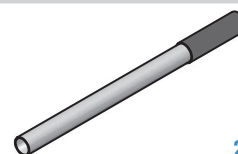
VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

LEVIER - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

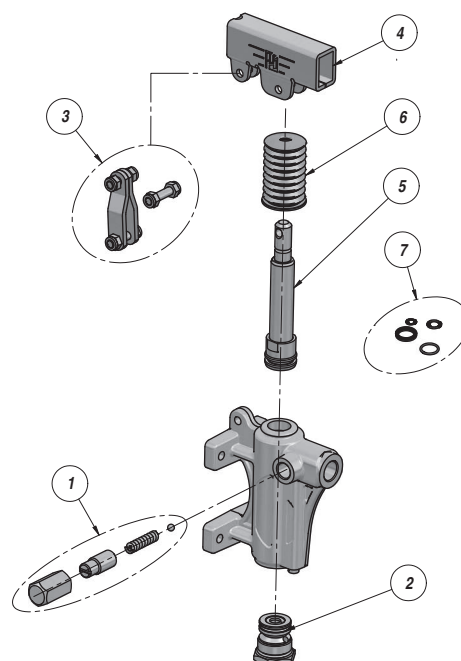


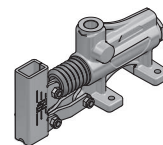
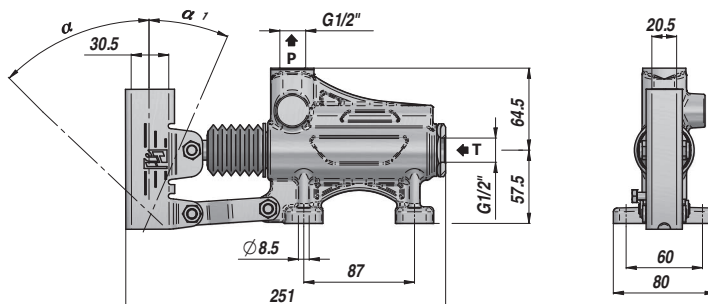
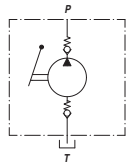
2

* LEVIER STANDARD - STANDARD HAND LEVER

PIECES DETACHEES - SPARE PARTS

Code Code	Description Description	N°
PAMJVMP000	Kit Limiteur de pression Relief Valve Kit	1
PAMJV02000	Kit aspiration Suction valve kit	2
PAMJB02040	Kit bielle Conrod kit	3
PAMJ010001	Support levier Hand lever holder	4
PAMJPS4045	Kit piston+tige Rod Piston assembled kit	5
PAMJ020015	Soufflet Bellow	6
PAMGTV0040	Pochettes de joints standard Standard seal kits	7



POMPE A MAIN SANS ROBINET DE RELACHE
HAND PUMP WITHOUT LOWERING VALVE
PAM-ES 40
NON PREDISPOSEE POUR RESERVOIR
NOT SUITABLE FOR OIL TANK


Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	α	α ₁	Température d'exercice Working Temperature	kg
PAM0144003	PAM-ES 40	42	280	50°	20°	-20°C +80°C	3,22

Fonctionnement D.E. pour vérin S.E. - Double-stroke for a S.A. cylinder

SUR DEMANDE - ON REQUEST:

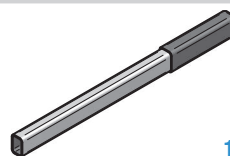
PAMX-ES = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

FPM = JOINTS EN VITON - VITON SEALS

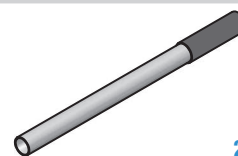
VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

LEVIERS - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

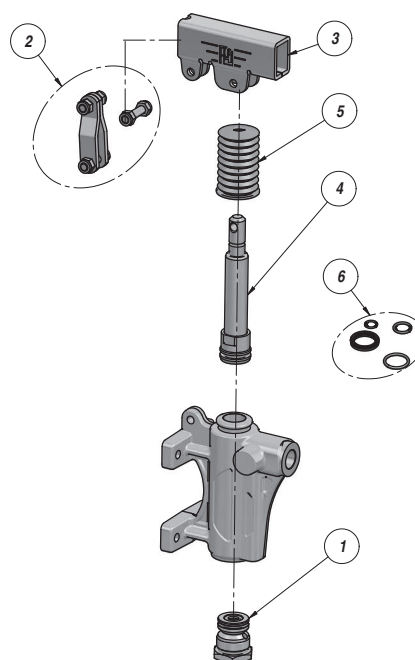


2

* LEVIER STANDARD - STANDARD HAND LEVER

PIECES DETACHEES - SPARE PARTS

Code Code	Description Description	N°
PAMJV02000	Kit aspiration Suction valve kit	1
PAMJB02040	Kit bielle Conrod kit	2
PAMJ010001	Support levier Hand lever holder	3
PAMJPS4045	Kit piston+tige Rod Piston assembled kit	4
PAMJ020015	Soufflet Bellow	5
PAMGTV0040	Pochettes de joints standard Standard seal kits	6



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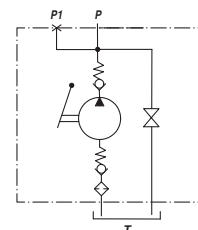
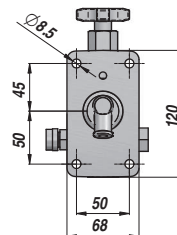
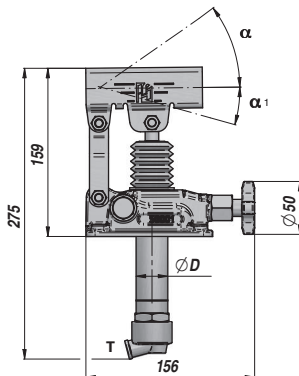
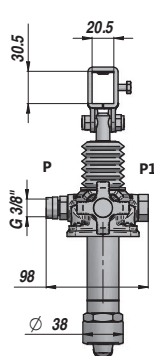
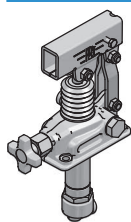
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PAM-TS

POMPE A MAIN AVEC ROBINET DE RELACHE HAND PUMP WITH LOWERING VALVE

PREDISPOSEE POUR RESERVOIR
SUITABLE FOR OIL TANK



Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	ØD	α	α ₁	Température d'exercice Working Temperature	kg
PAM0141202	PAM-TS 12	12	380	30	37°	13°		2,89
PAM0142502	PAM-TS 25	25	350	35	57°	15°	-20°C +80°C	2,99
PAM0144502	PAM-TS 45	42	280	40	52°	28°		3,12

Fonctionnement D.E. pour vérin S.E. - Double-stroke for a S.A. cylinder

SUR DEMANDE - ON REQUEST:

PAMX-TS = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

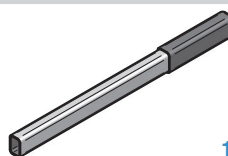
FPM = JOINTS EN VITON - VITON SEALS

VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

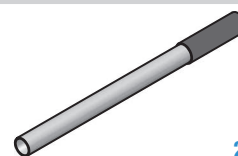
La pompe est fournie avec les vis de fixation et le joint NBR. - Hand Pump is supplied with fastening screws and NBR seal.

LEVIERS - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

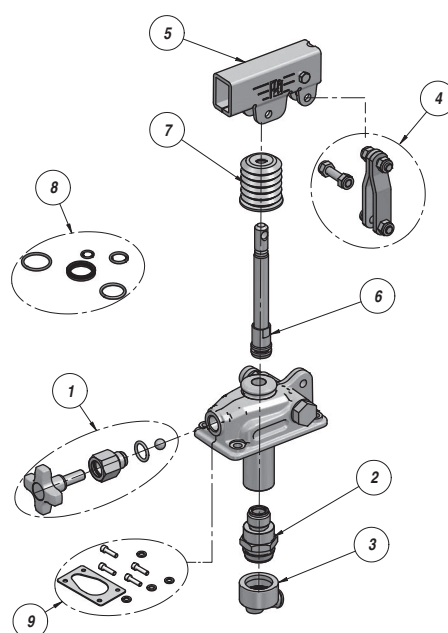


2

* LEVIER STANDARD - STANDARD HAND LEVER

PIECES DETACHEES - SPARE PARTS

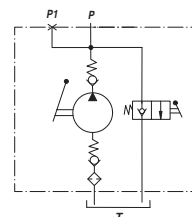
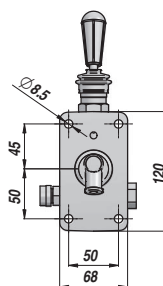
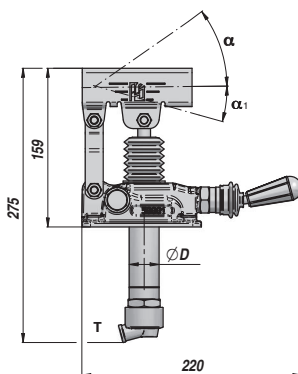
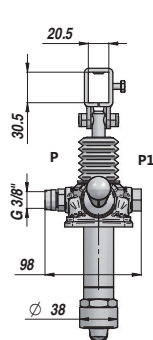
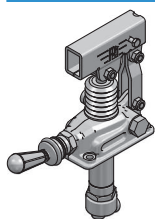
Code Code	Description Description	Pour pompe For Pump	N°
PAMJVS1245	Kit robinet de relâche Lowering valve kit	All type	1
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspiration Suction valve kit	PAM-TS 12 PAM-TS 25 PAM-TS 45	2
PAMJRA1245	Kit raccord aspiration avec filtre Suction adapter kit with filter	All type	3
PAMJB01245	Kit bielle Conrod kit	All type	4
PAMJ010001	Support levier Hand lever holder	All type	5
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit piston+tige Rod Piston assembled kit	PAM-TS 12 PAM-TS 25 PAM-TS 45	6
PAMJ020015	Soufflet Bellow	All type	7
PAMGT00012 PAMGT00025 PAMGT00045	Pochettes de joints standard Standard seal kits	PAM-TS 12 PAM-TS 25 PAM-TS 45	8
PAMJ030017	Joint NBR + vis NBR seal + screws	All type	9



PAM-TRS

POMPE A MAIN AVEC LEVIER A RAPPEL HAND PUMP WITH LEVER RELEASE

PREDISPOSEE POUR RESERVOIR
SUITABLE FOR OIL TANK



Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	ØD	α	α ₁	Température d'exercice Working Temperature	kg
PAM0141206	PAM-TRS 12	12	380	30	37°	13°		3,00
PAM0142506	PAM-TRS 25	25	350	35	57°	15°	-20°C +80°C	3,10
PAM0144506	PAM-TRS 45	42	280	40	52°	28°		3,25

Fonctionnement D.E. pour vérin S.E. - Double-stroke for a S.A. cylinder

SUR DEMANDE - ON REQUEST:

PAMX-TRS = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

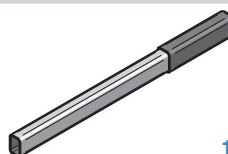
FPM = JOINTS EN VITON - VITON SEALS

VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

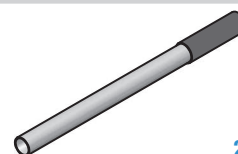
La pompe est fournie avec les vis de fixation et le joint NBR. - Hand Pump is supplied with fastening screws and NBR seal.

LEVIERS - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

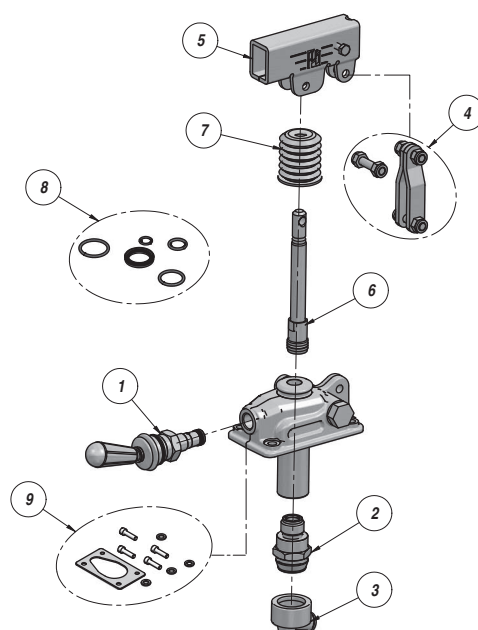


2

* LEVIER STANDARD - STANDARD HAND LEVER

PIECES DETACHEES - SPARE PARTS

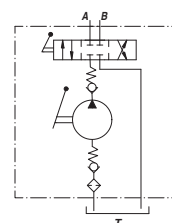
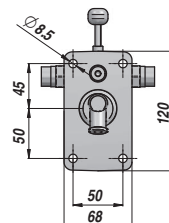
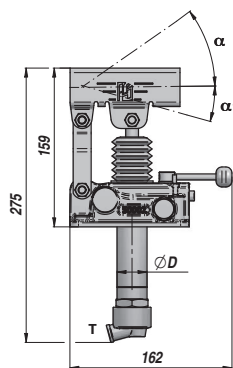
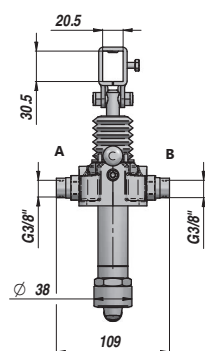
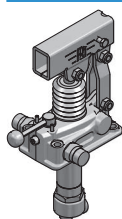
Code Code	Description Description	Pour pompe For Pump	N°
PAMJVR1245	Kit levier à rappel lever release kit	All type	1
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspiration Suction valve kit	PAM-TRS 12 PAM-TRS 25 PAM-TRS 45	2
PAMJRA1245	Kit raccord aspiration avec filtre Suction adapter kit with filter	All type	3
PAMJB01245	Kit bielle Conrod kit	All type	4
PAMJO10001	Support levier Hand lever holder	All type	5
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit piston+tige Rod Piston assembled kit	PAM-TRS 12 PAM-TRS 25 PAM-TRS 45	6
PAMJO20015	Soufflet Bellow	All type	7
PAMGTR0012 PAMGTR0025 PAMGTR0045	Pochettes de joints standard Standard seal kits	PAM-TRS 12 PAM-TRS 25 PAM-TRS 45	8
PAMJO30017	Joint NBR + vis NBR seal + screws	All type	9



PAM-TDS

POMPE A MAIN AVEC DEVIATEUR 4 VOIES HAND PUMP WITH 4-WAY DIVERTER

PREDISPOSEE POUR RESERVOIR
SUITABLE FOR OIL TANK



Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	ØD	α	α ₁	Température d'exercice Working Temperature	kg
PAM0151201	PAM-TDS 12	12	380	30	37°	13°		3,01
PAM0152501	PAM-TDS 25	25	350	35	57°	15°	-20°C +80°C	3,12
PAM0154501	PAM-TDS 45	42	280	40	52°	28°		3,24

Fonctionnement D.E. pour vérin D.E. - Double-stroke for a D.A. cylinder

SUR DEMANDE - ON REQUEST:

PAMX-TDS = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

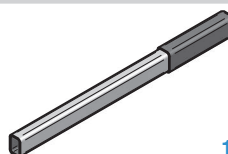
FPM = JOINTS EN VITON - VITON SEALS

VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

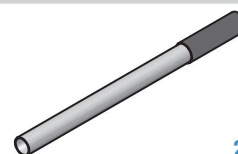
La pompe est fournie avec les vis de fixation et le joint NBR. - Hand Pump is supplied with fastening screws and NBR seal.

LEVIERS - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

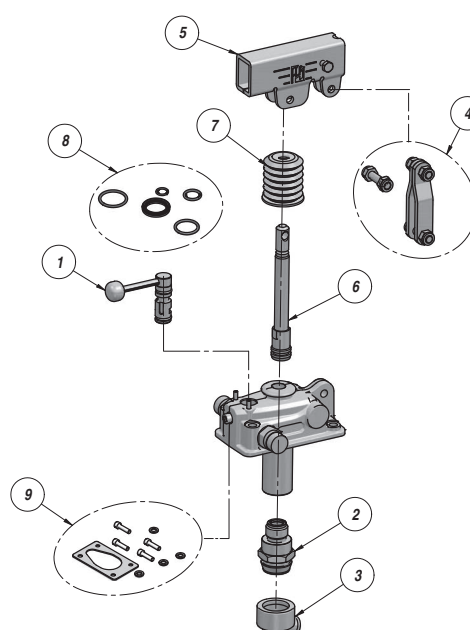


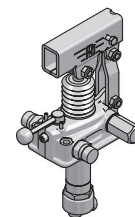
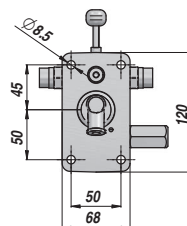
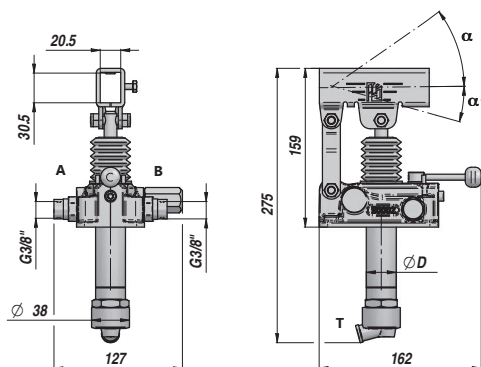
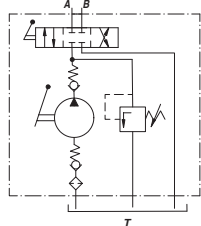
2

* LEVIER STANDARD - STANDARD HAND LEVER

PIECES DETACHEES - SPARE PARTS

Code Code	Description Description	Pour pompe For Pump	N°
PAMJDS1245	Kit déviateur 4 voies 4-Way Diverter kit	All type	1
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspiration Suction valve kit	PAM-TDS 12 PAM-TDS 25 PAM-TDS 45	2
PAMJRA1245	Kit raccord aspiration avec filtre Suction adapter kit with filter	All type	3
PAMJB01245	Kit bielle Conrod kit	All type	4
PAMJ010001	Support levier Hand lever holder	All type	5
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit piston+tige Rod Piston assembled kit	PAM-TDS 12 PAM-TDS 25 PAM-TDS 45	6
PAMJ020015	Soufflet Bellow	All type	7
PAMGTD0012 PAMGTD0025 PAMGTD0045	Pochettes de joints standard Standard seal kits	PAM-TDS 12 PAM-TDS 25 PAM-TDS 45	8
PAMJ030018	Joint NBR + vis NBR seal + screws	All type	9



POMPE A MAIN AVEC DEVIATEUR 4 VOIES + LIMITEUR DE PRESSION
HAND PUMP - WITH 4-WAY DIVERTER AND RELIEF VALVE
PAM-TDSV
PREDISPOSEE POUR RESERVOIR
SUITABLE FOR OIL TANK


Code Code	Type Type	cm ³ /cycle cm ³ /cycle	P MAX bar	ØD	α	α ₁	Température d'exercice Working Temperature	kg
PAM0151203	PAM-TDSV dx 12	12	380	30	37°	13°		3,10
PAM0152503	PAM-TDSV dx 25	25	350	35	57°	15°	-20°C +80°C	3,20
PAM0154503	PAM-TDSV dx 45	42	280	40	52°	28°		3,33

Fonctionnement D.E. pour vérin D.E. - Double-stroke for a D.A. cylinder

SUR DEMANDE - ON REQUEST:

PAMX-TDSV = POMPE AVEC SUPPORT POUR LEVIER ROND - HAND PUMP WITH ROUND LEVER HOLDER

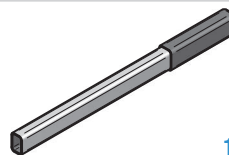
FPM = JOINTS EN VITON - VITON SEALS

VMQ = JOINTS EN FLUOROSILICONE - FLUORINE-SILICONE SEALS

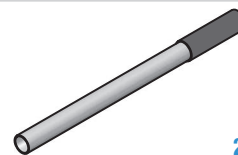
La pompe est fournie avec les vis de fixation et le joint NBR. - Hand Pump is supplied with fastening screws and NBR seal.

LEVIERS - LEVERS

Code Code	Dimensions Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

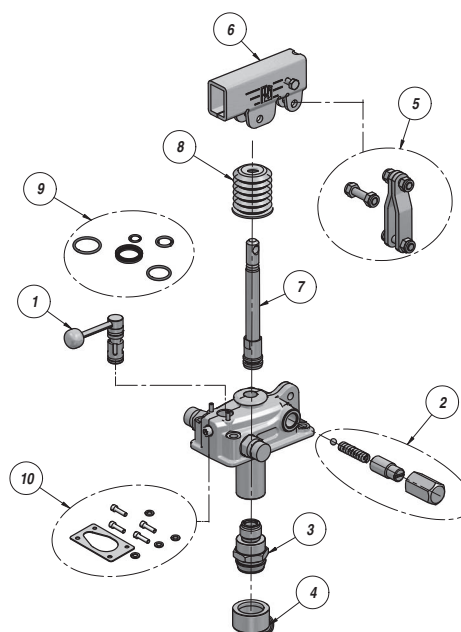


2

* LEVIER STANDARD - STANDARD HAND LEVER

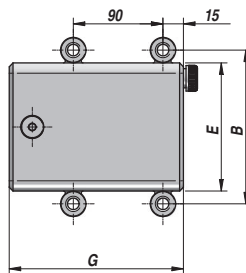
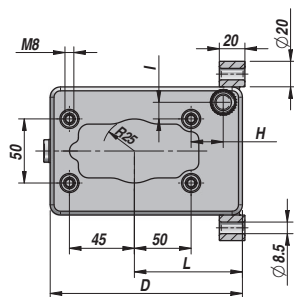
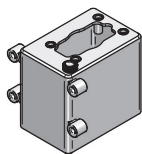
PIECES DETACHEES - SPARE PARTS

Code Code	Description Description	Pour pompe For Pump	N°
PAMJDS1245	Kit déviateur 4 voies 4-Way Diverter kit	All type	1
PAMJVMP000	Kit Limiteur de pression Relief Valve Kit	All type	2
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspiration Suction valve kit	PAM-TDSV 12 PAM-TDSV 25 PAM-TDSV 45	3
PAMJRA1245	Kit raccord aspiration avec filtre Suction adapter kit with filter	All type	4
PAMJB01245	Kit bielle Conrod kit	All type	5
PAMJ010001	Support levier Hand lever holder	All type	6
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit piston+tige Rod Piston assembled kit	PAM-TDSV 12 PAM-TDSV 25 PAM-TDSV 45	7
PAMJ020015	Soufflet Bellow	All type	8
PAMGTD0012 PAMGTD0025 PAMGTD0045	Pochettes de joints standard Standard seal kits	PAM-TDSV 12 PAM-TDSV 25 PAM-TDSV 45	9
PAMJ030018	Joint NBR + vis NBR seal + screws	All type	10



PM

RESERVOIR POUR POMPE A MAIN (TYPE PAM-T ET PAM-TD) TANK FOR HAND PUMP (PAM-T / PAM-TD TYPE)



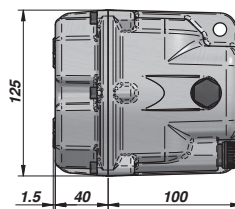
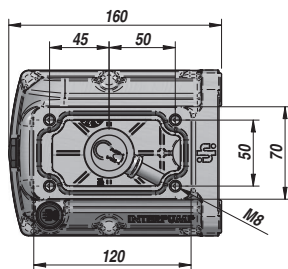
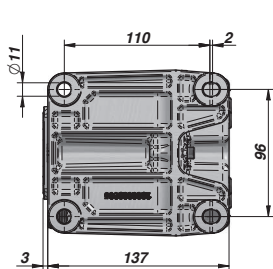
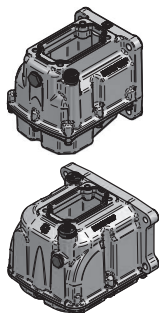
Code Code	Capacité Capacity	B	D	E	G	H	I	L	Montage Mounting	kg
PM00220001	lt 1	120	150	100	120	24	12	90	N°4 trous Ø 8.5 mm N°4 holes Ø 8.5 mm	2,00
PM00220002	lt 2	120	150	100	180	24	12	90		2,20
PM00220003	lt 3	120	150	100	247	24	12	90		2,50
PM00220005	lt 5	195	175	175	200	42	45	110		4,50
PM00220007	lt 7	195	175	175	269	42	45	110		5,40
PM00220010	lt 10	195	175	175	376	42	45	110		6,80

MATERIEL : ACIER

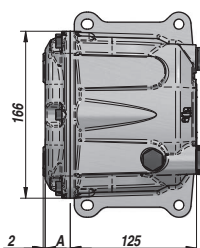
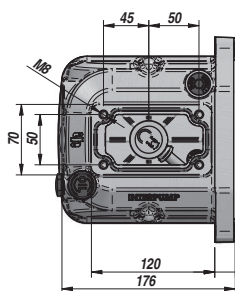
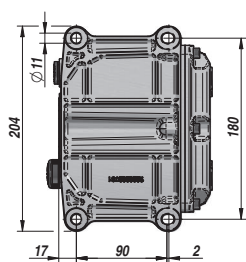
MATERIAL : STEEL

PAMSAL

RESERVOIR POUR POMPE A MAIN (TYPE PAM-T ET PAM-TD) TANK FOR HAND PUMP (PAM-T / PAM-TD TYPE)



PAMSAL01 (Lt.1)



**PAMSAL02 (Lt.2)
PAMSAL03 (Lt.3)
PAMSAL05 (Lt.5)**

Code Code	Capacité Capacity	A	Indicateur de niveau Level Indicator BSP	Montage Mounting	kg
PAMSAL0100	lt 1	40	3/8"	N°4 trous Ø 11 mm N°4 holes Ø 11 mm	1,38
PAMSAL0200	lt 2	25	3/8"		1,93
PAMSAL0300	lt 3	70	3/8"		2,19
PAMSAL0500	lt 5	180	3/8"		2,82

MATERIEL : ALUMINIUM (EN 1706 AC-AISI11Cu2)

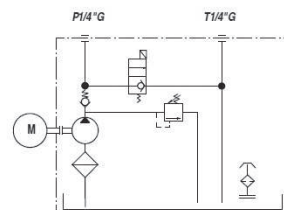
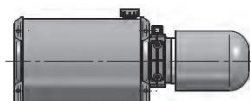
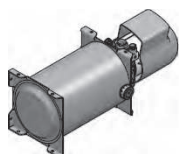
MATERIAL : ALUMINIUM (EN 1706 AC-AISI11Cu2)

MINI-CENTRALES HYDRAULIQUES
MINI POWER PACKS

[illegible]

CENEP

MINI-CENTRALE POUR SYSTEME BASCULANT MINI POWER PACK FOR TIPPER

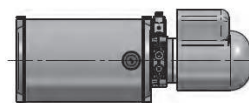
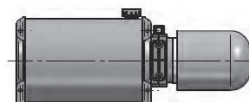
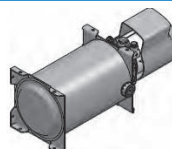
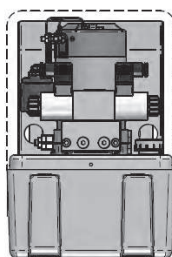
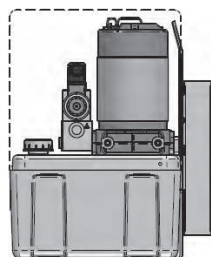
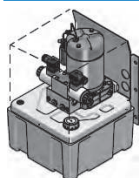


Code Code	Moteur Motor	Pompe Pump	Electrovanne S.E. Solenoid Valve S.A.	LP RF	Reservoir - Plastique Tank - Plastic	kg
CENEPEG08G1219	1600 W - 12 VDC	2.0 cm ³	12 VDC	150 bar	lt 8	12,4
CENEPEG08G2419	2200 W - 24 VDC	2.0 cm ³	24 VDC	150 bar	lt 8	12,4

LP = LIMITEUR DE PRESSION - RF = RELIEF VALVE

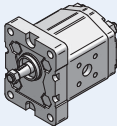
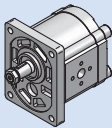
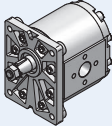
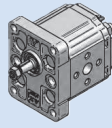
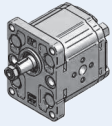
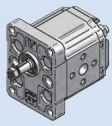
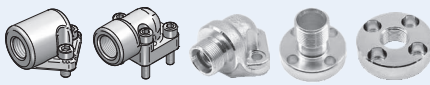
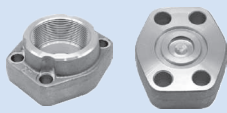
HRV/MCDE

MINI-CENTRALE ET CENTRALE HYDRAULIQUE SUIVANT PLAN MINI POWER PACK AND HYDRAULIC CENTRAL ON PLAN



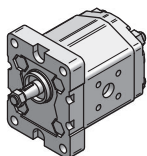
Mini-centrale et centrale hydraulique sur demande "CONTACTEZ NOUS"
Mini power pack and hydraulic central on request "CONTACT US"

POMPES A ENGRENAGES ET BRIDES GEAR PUMPS AND CONNECTORS

	Description - Description	Type	Page
	POMPE A ENGRENAGES GEAR PUMP GR.1	PC-1	190
	POMPE A ENGRENAGES GEAR PUMP GR.2	PC-2	191
	POMPE A ENGRENAGES GEAR PUMP GR.3	PC-3	191
	POMPE A ENGRENAGES GEAR PUMP GR.1	XV1P	192
	POMPE A ENGRENAGES GEAR PUMP GR.2	XV2P	192
	POMPE A ENGRENAGES GEAR PUMP GR.3	XV3P	193
	BRIDE POUR POMPE A ENGRENAGES ELBOW CONNECTOR FOR GEAR PUMP	AFRG / AFR-B / AFRGAT / AFRD / AFRF / AFRFI	194-195
	BRIDE DROITE S.A.E SERIES 3000 / 6000	AFRTR / AFRTRC	195

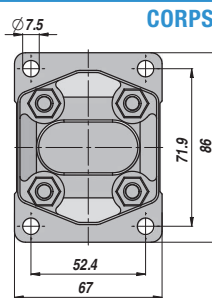
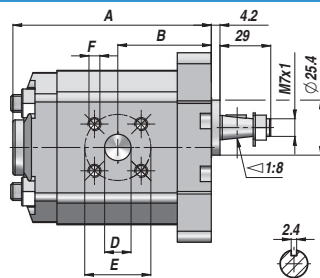
PC-1

POMPE A ENGRENAGES GR. 1 GEAR PUMP



STANDARD EUROPEAN CENTRAGE Ø25.4
ARBRE CONIQUE 1:8

STANDARD EUROPEAN Ø25.4 FLANGE
1:8 TAPER SHAFT



CORPS - FLASQUE AVT - COUVERCLE : ALUMINIUM
BODY - FLANGE - COVER : ALUMINIUM

Code Code	Type Type	cm ³ /tr cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PC*108ECC1A	PC*108	0,8	230	270	6000	1000	73,5	32,8	Ø12x30xM6	Ø12x30xM6	0,9
PC*111ECC1A	PC*111	1,1	230	270	6000	1000	74	33	Ø12x30xM6	Ø12x30xM6	0,9
PC*113ECC1A	PC*113	1,3	230	270	6000	1000	75	33,5	Ø12x30xM6	Ø12x30xM6	0,9
PC*116ECC1A	PC*116	1,6	230	270	6000	1000	76	34	Ø12x30xM6	Ø12x30xM6	0,9
PC*118ECC1A	PC*118	1,8	230	270	6000	1000	77	34,5	Ø12x30xM6	Ø12x30xM6	0,9
PC*121ECC1A	PC*121	2,1	230	270	6000	1000	78	35	Ø12x30xM6	Ø12x30xM6	1
PC*127ECC1A	PC*127	2,7	230	270	6000	800	80	36	Ø12x30xM6	Ø12x30xM6	1
PC*132ECC1A	PC*132	3,2	210	250	5000	800	82	37	Ø12x30xM6	Ø12x30xM6	1
PC*137ECC1A	PC*137	3,7	210	250	4500	800	84	38	Ø12x30xM6	Ø12x30xM6	1
PC*142ECC1A	PC*142	4,2	210	250	4000	800	86	39	Ø12x30xM6	Ø12x30xM6	1
PC*148ECC1A	PC*148	4,8	190	230	3500	600	88	40	Ø12x30xM6	Ø12x30xM6	1
PC*158ECC1A	PC*158	5,8	190	230	3000	600	92	42	Ø12x30xM6	Ø12x30xM6	1,1
PC*170ECC1A	PC*170	7	160	200	2500	600	96	44	Ø12x30xM6	Ø12x30xM6	1,2
PC*179ECC1A	PC*179	8	160	200	2100	600	100	46	Ø12x30xM6	Ø12x30xM6	1,4

*S = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*D = ROTATION DROITE - CLOCKWISE

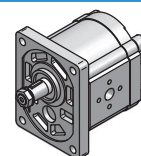
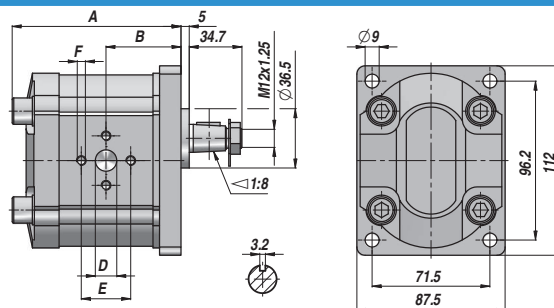
P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

SUR DEMANDE - ON REQUEST: CORPS TARAUDE "BSP" - "BSP" THREADED HOUSING - PC*1**EGG1A

GR. 2 POMPE A ENGRENAGES
GEAR PUMP

PC-2

CORPS : ALUMINIUM
FLASQUE AVT - COUVERCLE : FONTE
BODY : ALUMINIUM
FLANGE - COVER : CAST IRON



STANDARD EUROPEAN CENTRAGE Ø36.5
ARBRE CONIQUE 1:8
STANDARD EUROPEAN Ø36.5 FLANGE
1:8 TAPER SHAFT

Code Code	Type Type	cm3/tr cm3/rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refolement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PC*203EAA1G	PC*203	3	270	300	4000	800	91,1	43,6	Ø13x30xM6	Ø13x30xM6	3,5
PC*204EAA1G	PC*204	4	270	300	4000	600	92,7	44,4	Ø13x30xM6	Ø13x30xM6	3,5
PC*206EAA1G	PC*206	6	270	300	4000	600	96	46	Ø13x30xM6	Ø13x30xM6	3,5
PC*208EAA1G	PC*208	8	270	300	3500	500	99,3	47,7	Ø13x30xM6	Ø13x30xM6	3,5
PC*210EAA1G	PC*210	10	270	300	3000	500	102,6	49,3	Ø20x40xM8	Ø13x30xM6	4
PC*212EAA1G	PC*212	12	270	300	3000	500	105,9	51	Ø20x40xM8	Ø13x30xM6	4
PC*214EAA1G	PC*214	14	250	280	4000	500	109,3	52,7	Ø20x40xM8	Ø13x30xM6	4
PC*216EAA1G	PC*216	16	250	280	4000	500	112,7	54,4	Ø20x40xM8	Ø13x30xM6	4
PC*218EAA1G	PC*218	18	250	280	3600	400	116	56	Ø20x40xM8	Ø13x30xM6	4
PC*220EAA1G	PC*220	20	220	250	3200	400	119,3	57,7	Ø20x40xM8	Ø13x30xM6	4
PC*222EAA1G	PC*222	22	220	250	3000	400	122,6	59,3	Ø20x40xM8	Ø13x30xM6	4,2
PC*225EAA1G	PC*225	25	200	230	3000	400	127,6	61,8	Ø22x40xM8	Ø13x30xM6	4,2
PC*228EAA1G	PC*228	28	180	200	2500	400	132,6	64,3	Ø22x40xM8	Ø13x30xM6	4,2
PC*230EAA1G	PC*230	30	160	180	2500	400	135,9	66	Ø22x40xM8	Ø13x30xM6	4,4

*S = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*D = ROTATION DROITE - CLOCKWISE

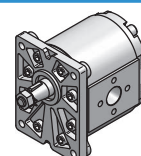
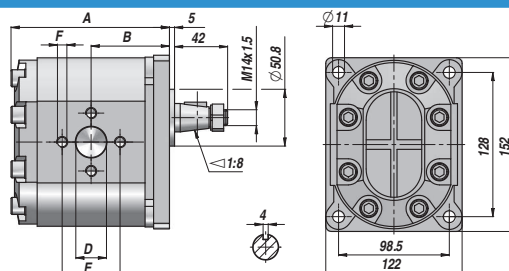
P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

SUR DEMANDE - ON REQUEST: CORPS TARAUDÉ "BSP" - "BSP" THREADED HOUSING - PC*2**EGG1A

GR. 3 POMPE A ENGRENAGES
GEAR PUMP

PC-3

CORPS : ALUMINIUM
FLASQUE AVT - COUVERCLE : FONTE
BODY : ALUMINIUM
FLANGE - COVER : CAST IRON



STANDARD EUROPEAN CENTRAGE Ø50.8
ARBRE CONIQUE 1:8
STANDARD EUROPEAN Ø50.8 FLANGE
1:8 TAPER SHAFT

Code Code	Type Type	cm3/tr cm3/rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refolement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PC*320EAA1G	PC*320	20	250	280	3500	600	128	63	Ø27x56xM10	Ø19x56xM10	8
PC*322EAA1G	PC*322	22	250	280	3500	600	130	64	Ø27x56xM10	Ø19x56xM10	8
PC*326EAA1G	PC*326	26	250	280	3000	600	133	65	Ø27x56xM10	Ø19x56xM10	8
PC*333EAA1G	PC*333	33	230	270	3000	500	139	68	Ø27x56xM10	Ø19x56xM10	9
PC*339EAA1G	PC*339	39	230	270	3000	500	146	72	Ø27x56xM10	Ø19x56xM10	9
PC*346EAA1G	PC*346	46	230	270	3000	500	152	75	Ø27x51xM10	Ø27x51xM10	9
PC*350EAA1G	PC*350	50	220	260	3000	500	156	77	Ø27x56xM10	Ø27x56xM10	9
PC*352EAA1G	PC*352	52	220	260	3000	500	158	78	Ø27x56xM10	Ø27x56xM10	9
PC*355EAA1G	PC*355	55	200	250	2800	400	160	79	Ø33x62xM10	Ø27x51xM10	10
PC*363EAA1G	PC*363	63	200	250	2800	400	168	83	Ø33x62xM10	Ø27x51xM10	10
PC*371EAA1G	PC*371	71	180	220	2500	400	175	86	Ø33x62xM10	Ø27x51xM10	12

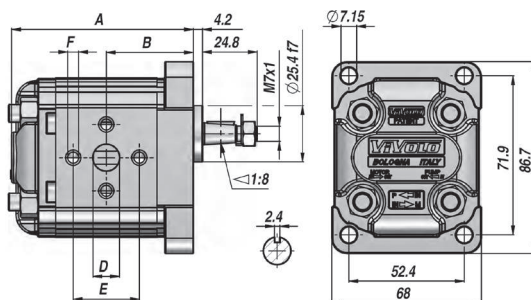
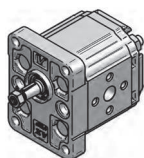
*S = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*D = ROTATION DROITE - CLOCKWISE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

SUR DEMANDE - ON REQUEST: CORPS TARAUDÉ "BSP" - "BSP" THREADED HOUSING - PC*3**EGG1A



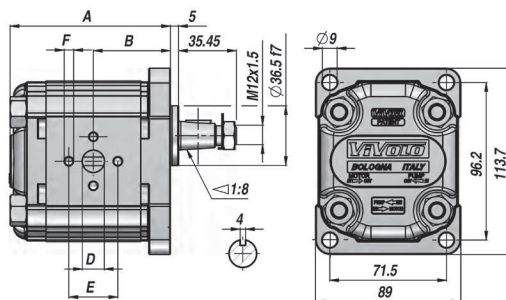
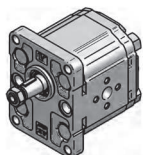
Code Code	Type Type	cm3/tr cm3/rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refolement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
1P160*FIIA	XV 1P/ 0,9	0,91	240	280	6000	700	78,1	37,3	ø12x30xM6	ø12x30xM6	0,95
1P170*FIIA	XV 1P/ 1,2	1,17	250	290	6000	700	79	37,8	ø12x30xM6	ø12x30xM6	0,97
1P180*FIIA	XV 1P/ 1,7	1,56	250	290	6000	700	80,5	38,5	ø12x30xM6	ø12x30xM6	1,01
1P200*FIIA	XV 1P/ 2,2	2,08	250	290	6000	700	82,5	39,5	ø12x30xM6	ø12x30xM6	1,03
1P210*FIIA	XV 1P/ 2,6	2,6	250	300	6000	700	84,5	40,5	ø12x30xM6	ø12x30xM6	1,06
1P230*FIIA	XV 1P/ 3,2	3,12	250	300	6000	700	86,5	41,5	ø12x30xM6	ø12x30xM6	1,09
1P250*FIIA	XV 1P/ 3,8	3,64	250	300	6000	700	88,5	42,5	ø12x30xM6	ø12x30xM6	1,12
1P270*FIIA	XV 1P/ 4,3	4,16	250	300	6000	700	90,5	43,5	ø12x30xM6	ø12x30xM6	1,17
1P290*FIIA	XV 1P/ 4,9	4,94	250	300	6000	700	93,5	45	ø12x30xM6	ø12x30xM6	1,2
1P310*FIIA	XV 1P/ 5,9	5,85	250	300	5000	700	97	46,8	ø12x30xM6	ø12x30xM6	1,26
1P320*FIIA	XV 1P/ 6,5	6,5	250	300	5000	700	98,5	48	ø12x30xM6	ø12x30xM6	1,3
1P340*FIIA	XV 1P/ 7,8	7,54	220	260	5000	700	103,5	50	ø12x30xM6	ø12x30xM6	1,36
1P360*FIIA	XV 1P/ 9,8	9,88	190	230	4000	700	112,5	54,5	ø12x30xM6	ø12x30xM6	1,5

*1 = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*2 = ROTATION DROITE - CLOCKWISE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE



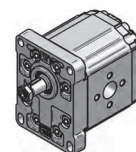
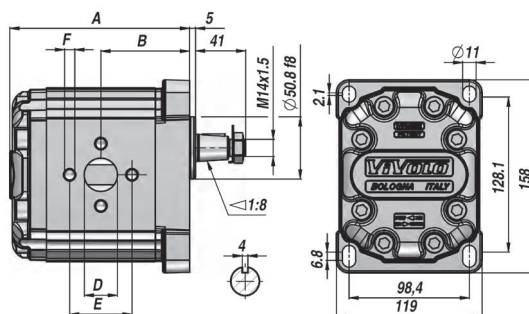
Code Code	Type Type	cm3/tr cm3/rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refolement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
2P410*E00A	XV 2P/ 4	4,2	260	300	3500	700	87,2	41,7	ø13,5x30xM6	ø13,5x30xM6	2,2
2P430*E00A	XV 2P/ 6	6	260	300	3500	700	90,2	43,2	ø13,5x30xM6	ø13,5x30xM6	2,3
2P450*E00A	XV 2P/ 9	8,4	260	300	3500	700	94,2	45,2	ø13,5x30xM6	ø13,5x30xM6	2,4
2P470*E00A	XV 2P/ 11	10,8	260	300	3500	700	98,2	47,2	ø13,5x30xM6	ø13,5x30xM6	2,5
2P490*EPOA	XV 2P/ 14	14,4	250	290	3500	700	104,2	50,2	ø20,0x40xM8	ø13,5x30xM6	2,7
2P510*EPOA	XV 2P/ 17	16,8	230	270	3500	700	108,2	52,2	ø20,0x40xM8	ø13,5x30xM6	2,8
2P530*EPOA	XV 2P/ 19	19,2	210	250	3000	700	112,2	54,2	ø20,0x40xM8	ø13,5x30xM6	2,9
2P550*EPOA	XV 2P/ 22	22,8	200	240	3000	700	118,2	57,2	ø20,0x40xM8	ø13,5x30xM6	3,05
2P570*EQPA	XV 2P/ 26	26,2	170	210	3000	700	122,2	59,2	ø23,5x40xM8	ø20,0x40xM8	3,15
2P590*EQPA	XV 2P/ 30	30	160	200	2500	700	130,2	63,2	ø23,5x40xM8	ø20,0x40xM8	3,4
2P610*EQPA	XV 2P/ 34	34,2	150	190	2500	700	137,2	66,7	ø23,5x40xM8	ø20,0x40xM8	3,6
2P630*EQPA	XV 2P/ 40	39,6	140	180	2500	700	146,2	71,2	ø23,5x40xM8	ø20,0x40xM8	3,8

*1 = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*2 = ROTATION DROITE - CLOCKWISE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE



Code Code	Type Type	cm ³ /tr cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
3P660*AAAA	XV-3P/15	14,89	300	320	3000	700	124	61	ø20x40xM8	ø20x40xM8	7,01
3P680*AAAA	XV-3P/18	17,37	300	320	3000	700	126	62	ø20x40xM8	ø20x40xM8	7,07
3P700*AAAA	XV-3P/21	21,1	280	300	3000	700	129	63,5	ø20x40xM8	ø20x40xM8	7,15
3P720*AAAA	XV-3P/27	26,97	250	270	3000	700	133	65,5	ø20x40xM8	ø20x40xM8	7,25
3P740*ABBA	XV-3P/32	32,27	250	270	3000	700	138	68	ø27x51xM10	ø27x51xM10	7,39
3P780*ABBA	XV-3P/38	38,47	250	270	2800	700	143	70,5	ø27x51xM10	ø27x51xM10	7,52
3P790*ABBA	XV-3P/43	43,44	250	270	2800	700	147	72,5	ø27x51xM10	ø27x51xM10	7,63
3P800*ABBA	XV-3P/47	47,16	230	250	2800	700	150	74	ø27x51xM10	ø27x51xM10	7,71
3P810*ABBA	XV-3P/51	50,88	230	250	2800	700	153	75,5	ø27x51xM10	ø27x51xM10	7,79
3P820*ABBA	XV-3P/54	54,6	230	250	2300	700	156	77	ø27x51xM10	ø27x51xM10	7,87
3P830*ACCA	XV-3P/61	60,81	230	250	2300	700	161	79,5	ø36x62xM10	ø36x62xM10	8,01
3P850*ACCA	XV-3P/64	64,53	210	230	2300	700	164	81	ø36x62xM10	ø36x62xM10	8,09
3P860*ACCA	XV-3P/70	70,74	200	220	2300	700	169	83,5	ø36x62xM10	ø36x62xM10	8,22
3P870*ACCA	XV-3P/74	74,46	180	200	2300	700	172	85	ø36x62xM10	ø36x62xM10	8,3
3P890*ACCA	XV-3P/90	86,87	150	170	2300	700	182	90	ø36x62xM10	ø36x62xM10	8,57

*1 = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

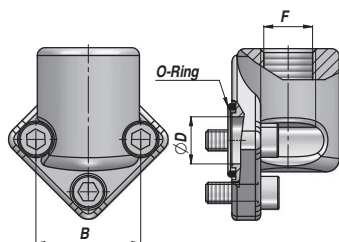
*2 = ROTATION DROITE - CLOCKWISE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

SUR DEMANDE - ON REQUEST: CORPS TARAUDE "BSP" - "BSP" THREADED HOUSING - POMPES TYPE BOSCH - GERMAN STANDARDIZED PUMPS -
POMPES TYPE "SAE" - "SAE" TYPE PUMPS - POMPES POUR MINI-CENTRALE (GR.1) - PUMPS FOR MINI POWER PACK (GR.1)

AFRG

BRIDE 90° POUR POMPE A ENGRENAGES
90° ELBOW CONNECTOR FOR GEAR PUMP

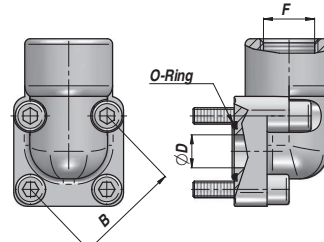
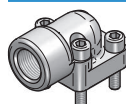


Code Code	F BSP	B	ØD	O-Ring	kg
AFRG026060	3/8"	26	11.5	15	0.14
AFRG026080	1/2"	26	11.5	15	0.13
AFRG030060	3/8"	30	12	809	0.15
AFRG030080	1/2"	30	12	809	0.14
AFRG040080	1/2"	40	19	814	0.32
AFRG040120	3/4"	40	19	814	0.28
AFRG040121	3/4"	40	23.5	22	0.28
AFRG051120	3/4"	51	24	217	0.6
AFRG056121	3/4"	56	24	217	0.62
AFRG051160	1"	51	24	217	0.51
AFRG056160	1"	56	24	217	0.52
AFRG062200	1 1/4"	62	33.5	222	1.03
AFRG072240	1 1/2"	72	40	830	1.07

MATERIEL : ACIER
MATERIAL : STEEL

AFR-B

BRIDE 90° POUR POMPE A ENGRENAGES
90° ELBOW CONNECTOR FOR GEAR PUMP



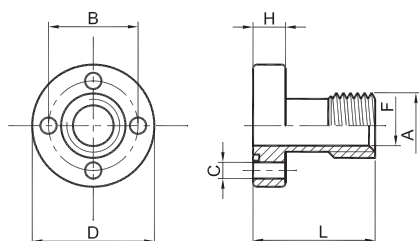
Code Code	F BSP	B	ØD	O-Ring	kg
AFRB030060 *	3/8"	30	12	809	0.1
AFRB030080 *	1/2"	30	12	809	0.09
AFRB035060 *	3/8"	35	12	116	0.11
AFRB035080 *	1/2"	35	12	116	0.11
AFRB040080 *	1/2"	40	19	814	0.18
AFRB040120 *	3/4"	40	19	814	0.17

AFRGB30060	3/8"	30	12	121	0.29
AFRGB30080	1/2"	30	12	121	0.27
AFRGB35060	3/8"	35	12	116	0.29
AFRGB35080	1/2"	35	12	116	0.27
AFRGB40080	1/2"	40	19	813	0.36
AFRGB40120	3/4"	40	19	813	0.35
AFRGB55120	3/4"	55	25	4118	0.92
AFRGB55160	1"	55	25	4118	0.88

MATERIEL : ACIER - * ALUMINIUM
MATERIAL : STEEL - * ALUMINIUM

AFRD

BRIDE DROITE POUR POMPE A ENGRENAGES
STRAIGHT CONNECTOR FOR GEAR PUMP

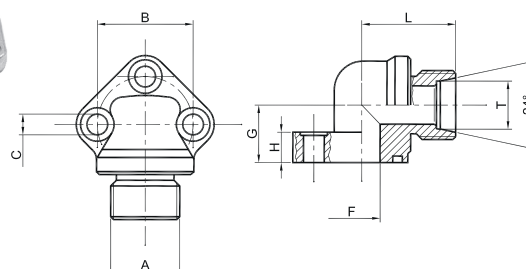


Code Code	F BSP	B	ØF	L	O-Ring
AFRD026060	3/8"	26	11	32	2056
AFRD030080	1/2"	30	12	40	121
AFRD040080	1/2"	40	13.5	42	132
AFRD040120	3/4"	40	19	42	132
AFRD040160	1"	40	19	44	132
AFRD051160	1"	51	27	43	3125

MATERIEL : ACIER
MATERIAL : STEEL

AFRGAT

BRIDE 90° POUR POMPE A ENGRENAGES
90° ELBOW CONNECTOR FOR GEAR PUMP

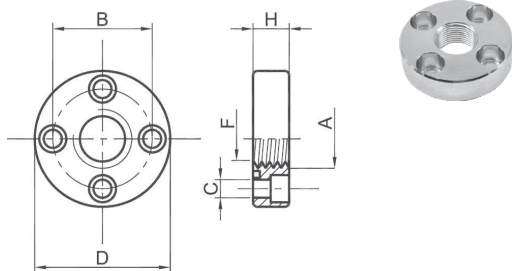


Code Code	F	B	A	T	O-Ring
AFRGAT1212	11,5	26	M18x1,5	T12	2056
AFRGAT1215	11,5	26	M22x1,5	T15	2056
AFRGAT1312	11,5	30	M18x1,5	T12	121
AFRGAT1315	11,5	30	M22x1,5	T15	121

MATERIEL : ACIER
MATERIAL : STEEL

BRIDE DROITE TARAUDE POUR POMPE A ENGRENAGES
STRAIGHT THREADED CONNECTOR FOR GEAR PUMP

AFRF

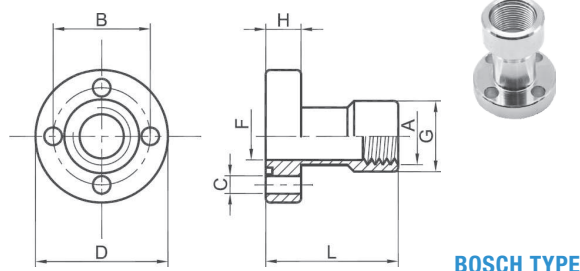


Code Code	F BSP	B	F	H	O-Ring
AFRF030060	3/8"	30	15	13	2075
AFRF035060	3/8"	35	15	26	2075
AFRF035080	1/2"	35	15	25	3075
AFRF040080	1/2"	40	19	15	2100
AFRF040120	3/4"	40	19	27	132
AFRF051120	3/4"	51	24	17	3125
AFRF051160	1"	51	24	29	3125
AFRF056120	3/4"	56	20	18	3150
AFRF056120	3/4"	56	20	18	3150

MATERIEL : ACIER
MATERIAL : STEEL

BRIDE DROITE TARAUDE POUR POMPE A ENGRENAGES
STRAIGHT THREADED CONNECTOR FOR GEAR PUMP

AFRFI



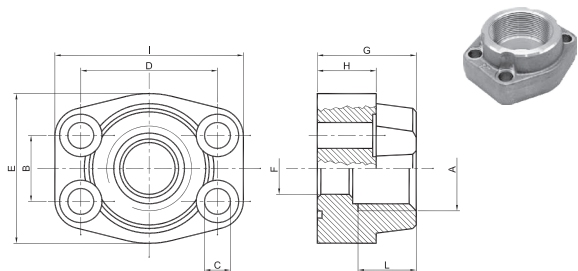
BOSCH TYPE

Code Code	F BSP	B	F	L	O-Ring
AFRFI30060	3/8"	30	11	54	121
AFRFI30080	1/2"	30	11	54	121
AFRFI35060	3/8"	35	11	54	3075
AFRFI35080	1/2"	35	11	54	3075
AFRFI40080	1/2"	40	19	63	132
AFRFI40120	3/4"	40	19	63	132

MATERIEL : ACIER
MATERIAL : STEEL

BRIDE DROITE S.A.E SERIES 3000/6000
S.A.E SERIES 3000/6000 STRAIGHT FLANGE

AFRTR

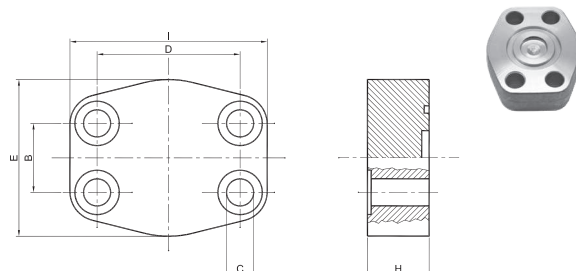


Code Code	A BSP	B	D	G	O-Ring
SERIES 3000					
AFRTR3012G12M	1/2"	17,48	38,1	36	4075
AFRTR3034G12M	1/2"	22,23	47,63	36	4100
AFRTR3034G34M	3/4"	22,23	47,63	36	4100
AFRTR3100G100M	1"	26,19	52,37	38	4131
AFRTR3112G114M	1" 1/4	35,71	69,85	45	4187
AFRTR3112G112M	1" 1/2	35,71	69,85	45	4187
AFRTR3200G112M	1" 1/2	42,88	77,77	45	4225
AFRTR3200G200M	2"	42,88	77,77	45	4225
SERIES 6000					
AFRTR6012G12M	1/2"	18,24	40,49	36	4075
AFRTR6034G34M	3/4"	23,8	50,8	36	4100
AFRTR6100G100M	1"	27,76	57,15	42	4131
AFRTR6114G100M	1"	31,75	66,68	45	4150
AFRTR6114G114M	1" 1/4	31,75	66,68	45	4150
AFRTR6112G112M	1" 1/2	36,5	79,38	51	4187
AFRTR6200G200M	2"	44,45	96,82	70	4225

MATERIEL : ACIER ST52.3
MATERIAL : STEEL ST52.3

BRIDE OBTURATION S.A.E SERIES 3000/6000
BLANKING FLANGES A.E SERIES 3000/6000

AFTRC



Code Code	S.A.E	B	D	H	O-Ring
SERIES 3000					
AFTRC03034M0	3/4"	22,23	47,63	16	4100
AFTRC03100M0	1"	26,19	52,37	18	4131
AFTRC03114M0	1" 1/4	30,18	58,72	18	4150
AFTRC03112M0	1" 1/2	35,71	69,85	21	4187
AFTRC03200M0	2"	42,88	77,77	21	4225
SERIES 6000					
AFTRC06034M0	3/4"	23,8	50,8	18	4100
AFTRC06100M0	1"	27,76	57,15	25	4131
AFTRC06114M0	1" 1/4	31,75	66,68	26	4150
AFTRC06112M0	1" 1/2	36,5	79,38	28	4187

MATERIEL : ACIER ST52.3
MATERIAL : STEEL ST52.3

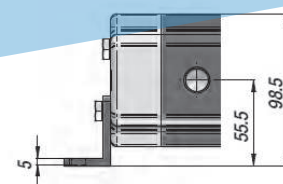
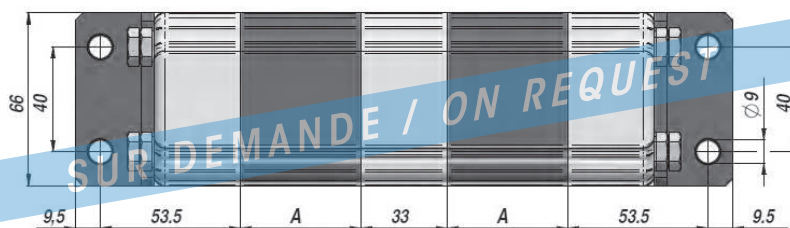
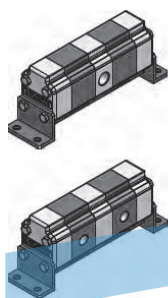
DIVISEURS DE DEBIT A ENGRENAGES
GEAR FLOW DIVIDERS

[illegible]

RV1D

DIVISEUR DE DEBIT TYPE STANDARD
GEAR FLOW DIVIDER STANDARD TYPE

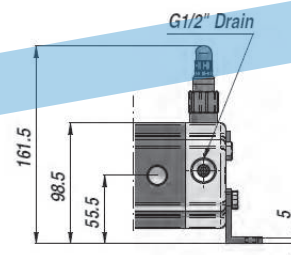
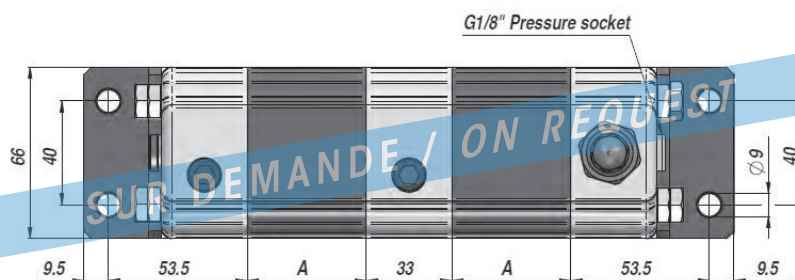
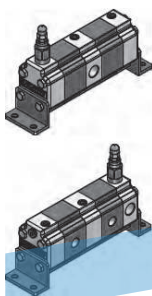
GR. 1



RV1S

DIVISEUR DE DEBIT AVEC LIMITEUR DE PRESSION PAR ENSEMBLE
GEAR FLOW DIVIDER WITH SINGLE RELIEF VALVE

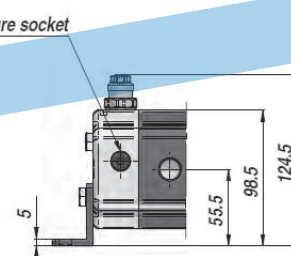
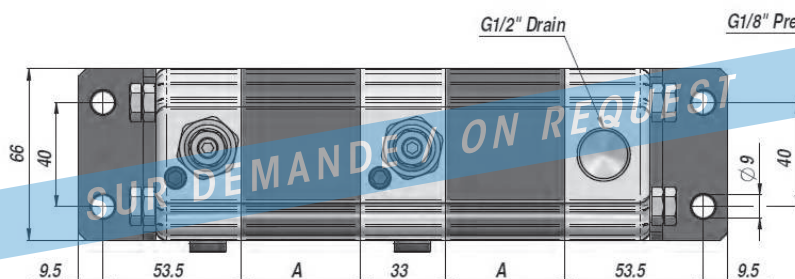
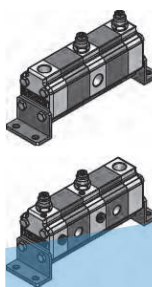
GR. 1



RV1V

DIVISEUR DE DEBIT AVEC LIMITEUR DE PRESSION PAR ELEMENT
GEAR FLOW DIVIDER WITH RELIEF VALVE ON EACH ELEMENT

GR. 1



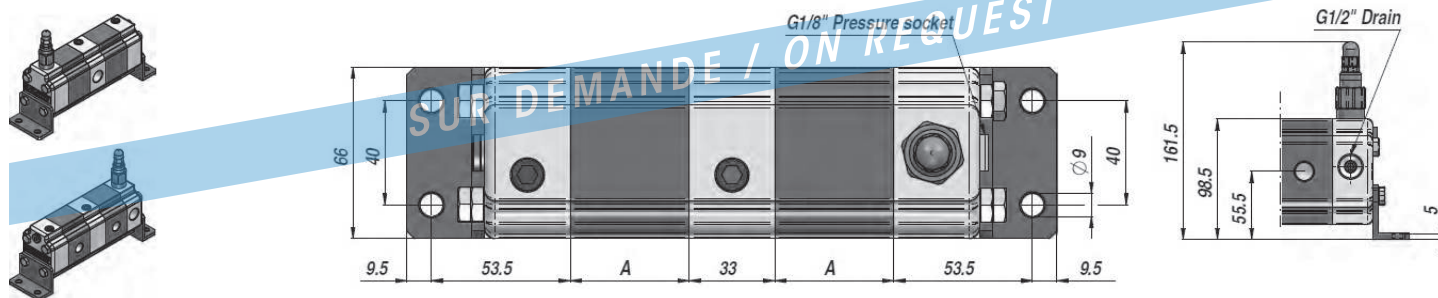
Code Code	cm ³ /tr cm ³ /rev	Q l/min par element			P MAX bar	A	IN BSP	OUT BSP	kg
		Min.	Optimal	Max.					
RV 1 - (D-S-V) 0,9	0.9	1	2	6	220	41.5	1/2"	3/8"	~1,05
RV 1 - (D-S-V) 1,2	1.2	1.5	3	7	220	42.5	1/2"	3/8"	~1,07
RV 1 - (D-S-V) 1,7	1.7	2	4	9	220	44	1/2"	3/8"	~1,11
RV 1 - (D-S-V) 2,2	2.2	2.5	5	13	220	46	1/2"	3/8"	~1,14
RV 1 - (D-S-V) 2,6	2.6	3	6	15.5	220	48	1/2"	3/8"	~1,16
RV 1 - (D-S-V) 3,2	3.2	3.5	7.5	18	220	50	1/2"	3/8"	~1,19
RV 1 - (D-S-V) 3,8	3.8	4	8.5	21	220	52	1/2"	3/8"	~1,22
RV 1 - (D-S-V) 4,3	4.3	4.5	9.5	23	220	54	1/2"	3/8"	~1,27
RV 1 - (D-S-V) 4,9	4.9	5.5	11	27	220	57	1/2"	3/8"	~1,32
RV 1 - (D-S-V) 5,9	5.9	6.5	13	30	220	60.5	1/2"	3/8"	~1,36
RV 1 - (D-S-V) 6,5	6.5	7.5	14	32	220	63	1/2"	3/8"	~1,40
RV 1 - (D-S-V) 7,8	7.8	8.5	16	35.5	210	67	1/2"	3/8"	~1,46
RV 1 - (D-S-V) 9,8	9.8	11	20	41	200	76	1/2"	3/8"	~1,60

Les données du tableau se réfèrent à chaque élément - The data of the table refer to a single element.

EGALEMENT DISPONIBLE Gr0 - ALSO AVAILABLE Gr0

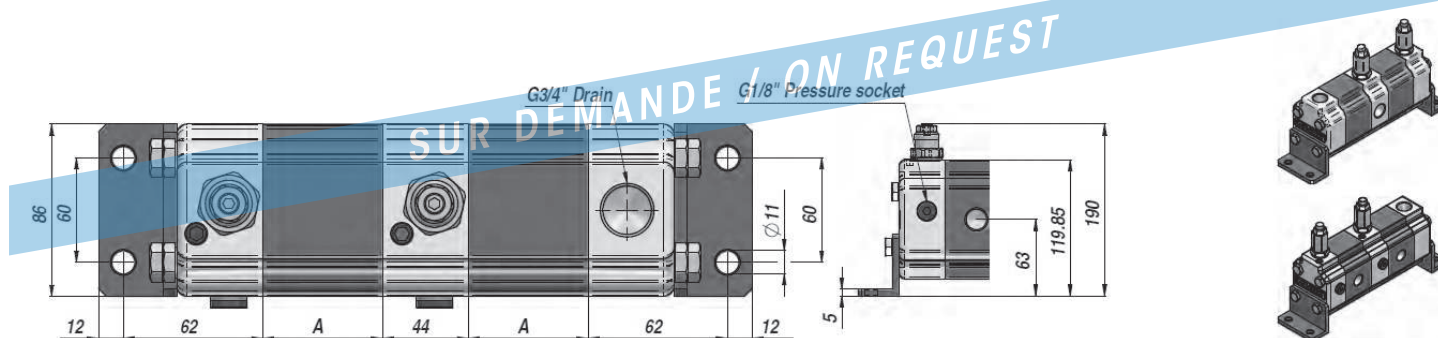
GR. 2 DIVISEUR DE DEBIT TYPE STANDARD GEAR FLOW DIVIDER STANDARD TYPE

RV2D



GR. 2 DIVISEUR DE DEBIT AVEC LIMITEUR DE PRESSION PAR ELEMENT GEAR FLOW DIVIDER WITH RELIEF VALVE ON EACH ELEMENT

RV2V

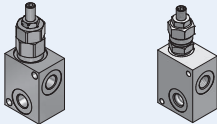
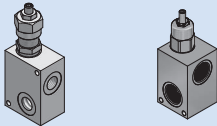
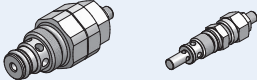
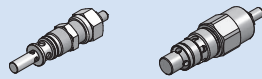
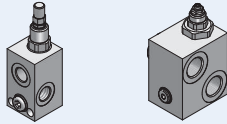
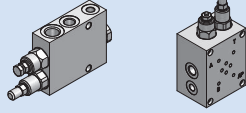
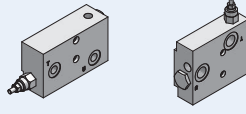
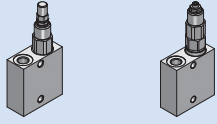
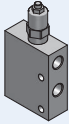
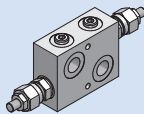
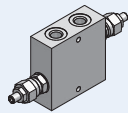
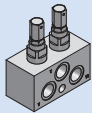
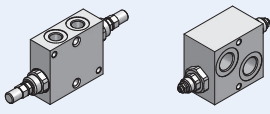
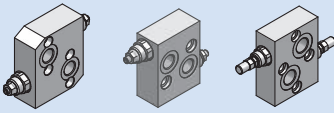


Code Code	cm ³ /tr cm ³ /rev	Q l/min par element			P MAX bar	A	IN BSP	OUT BSP	kg
		Min.	Optimal	Max.					
RV 2 - (D-V) 4	4	4.8	7.6	10	210	47	3/4"	1/2"	~2,20
RV 2 - (D-V) 6	6	7.2	10.8	15	210	50	3/4"	1/2"	~2,30
RV 2 - (D-V) 9	9	10.8	15.1	22.5	210	54	3/4"	1/2"	~2,40
RV 2 - (D-V) 11	11	13.2	19.4	27.5	210	58	3/4"	1/2"	~2,50
RV 2 - (D-V) 14	14	16.8	25.9	35	200	64	3/4"	1/2"	~2,70
RV 2 - (D-V) 17	17	20.4	30.2	42.5	200	68	3/4"	1/2"	~2,80
RV 2 - (D-V) 19	19	22.8	34.6	47.5	190	72	3/4"	1/2"	~2,90
RV 2 - (D-V) 22	22	26.4	41	55	180	78	3/4"	1/2"	~3,05
RV 2 - (D-V) 26	26	31.2	45.4	65	160	82	1"	3/4"	~3,15
RV 2 - (D-V) 30	30	36	54	75	160	90	1"	3/4"	~3,40
RV 2 - (D-V) 34	34	40.8	61.6	85	140	97	1"	3/4"	~3,60
RV 2 - (D-V) 40	40	48	71.3	100	130	106	1"	3/4"	~3,80

Les données du tableau se réfèrent à chaque élément - The data of the table refer to a single element.

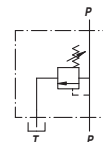
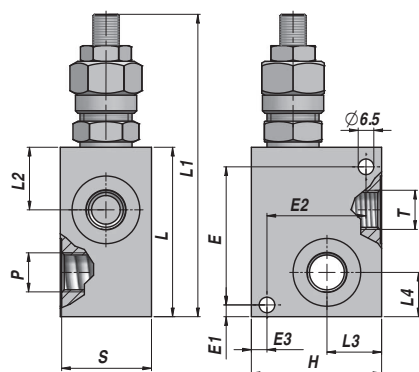
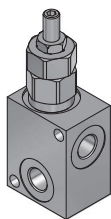
EGALEMENT DISPONIBLE Gr3 - ALSO AVAILABLE Gr3

VALVES CONTROL PRESSION PRESSURE CONTROL VALVES

	Description - Description	Type	Page
	LIMITEUR DE PRESSION RELIEF VALVE	VMDL 20 VMD 35	202
	LIMITEUR DE PRESSION RELIEF VALVE	VMD 80 VMD-S 150	203
	LIMITEUR DE PRESSION - TYPE A CARTOUCHE RELIEF VALVE - CARTRIDGE TYPE	VMDC 20 VMDC 35	204
	LIMITEUR DE PRESSION - TYPE A CARTOUCHE RELIEF VALVE - CARTRIDGE TYPE	VMDC 80 VMDC 150	205
	LIMITEUR DE PRESSION RELIEF VALVE	VMP/L VMP VMPP	206-207
	VALVE D'EXCLUSION UNLOADING VALVE	VABP VABP/FL	207-208
	VALVE D'EXCLUSION UNLOADING VALVE	VEP-FLP	208
	VALVE DE SEQUENCE SEQUENCE VALVE	VS2C VSQ-APP	209
	REDUCTEUR DE PRESSION PRESSURE REDUCING VALVE	VRP VRPRL	210
	VALVE ANTICHOC DOUBLE DUAL CROSS-OVER RELIEF VALVE	VAIL 5 VAIL 10	211
	VALVE ANTICHOC DOUBLE DUAL CROSS-OVER RELIEF VALVE	VBDC 35 VBDC 80	212
	VALVE ANTICHOC DOUBLE DUAL CROSS-OVER RELIEF VALVE	VMDA-CSV	213
	VALVE ANTICHOC DOUBLE DUAL CROSS-OVER RELIEF VALVE	VAU/DE VAU/DE 1"	213-214
	VALVE ANTICHOC POUR MOTEURS CROSS LINE RELIEF VALVE FOR MOTORS	VAU/DE MP-R-S-T	214

VMDL 20

LIMITEUR DE PRESSION
RELIEF VALVE



Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG003.0210B1	1/4"	1/4"	20	350	VMDL A20-010-B1	45	89	17	20	13	42	5	30	5	40	30	0,24
VAG003.0220B1	3/8"	3/8"	20	350	VMDL A20-020-B1	45	89	17	20	13	42	5	30	5	40	30	0,24

RESSORT - SPRING : A= 5:60 bar - B= 50:240 bar (Standard) - C= 90:350 bar - D= 20:130 bar

1= Vis - Screw (Standard)

REGLAGE - SETTING :

2= Volant - Knob

3= Vis+protection - Screw + protection cup



SUR DEMANDE - ON REQUEST: ACIER - STEEL (VMDL-S - 400 bar)

MATERIEL CORPS : ALUMINIUM

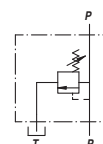
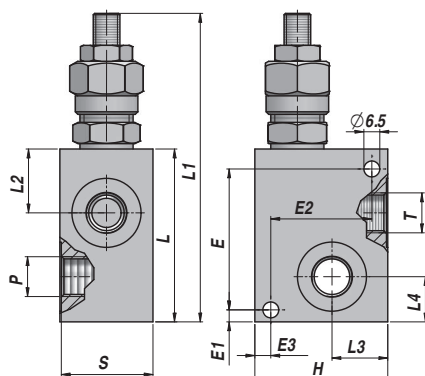
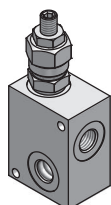
MONTAGE EN LIGNE

BODY MATERIAL : ALUMINIUM

LINE MOUNTING

VMD 35

LIMITEUR DE PRESSION
RELIEF VALVE



Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG002.0320B1	3/8"	3/8"	35	350	VMD A35-020-B1	65	129	24	20	17	53	5	34	6	50	35	0,40
VAG002.0330B1	1/2"	1/2"	35	350	VMD A35-030-B1	65	129	24	20	17	53	5	34	6	50	35	0,39

RESSORT - SPRING : A= 5:50 bar - B= 40:210 bar (Standard) - C= 100:350 bar

1= Vis - Screw (Standard)

REGLAGE - SETTING :

2= Volant - Knob

3= Vis+protection - Screw + protection cup



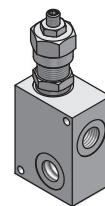
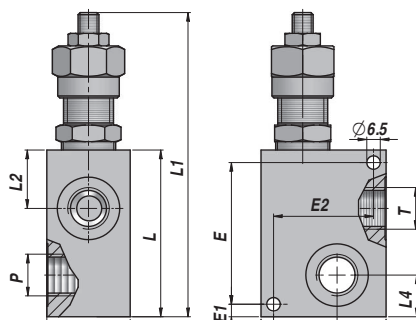
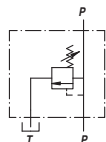
SUR DEMANDE - ON REQUEST: ACIER - STEEL (VMD-S - 400 bar)

MATERIEL CORPS : ALUMINIUM

MONTAGE EN LIGNE

BODY MATERIAL : ALUMINIUM

LINE MOUNTING

LIMITEUR DE PRESSION
RELIEF VALVE
VMD 80


Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG002.0830B1	1/2"	1/2"	80	260	VMD A80-030-B1	80	157	28	23.5	20	68	6	48	6	60	40	0,72
VAG002.0840B1	3/4"	3/4"	80	260	VMD A80-040-B1	80	157	28	23.5	20	68	6	48	6	60	40	0,70

 RESSORT - *SPRING* : A= 5:50 bar - B= 20:260 bar (Standard) - C= 120:350 bar

1= Vis - Screw (Standard)

 REGLAGE - *SETTING* :

2= Volant - Knob

3= Vis+protection - Screw + protection cup

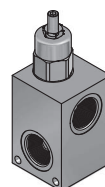
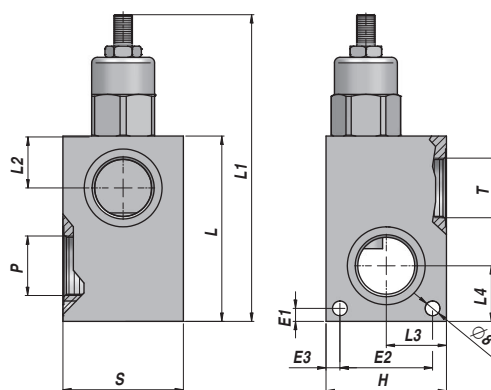
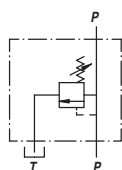

 SUR DEMANDE - *ON REQUEST*: ACIER - STEEL (VMD-S - 350 bar)

MATERIEL CORPS : ALUMINIUM

MONTAGE EN LIGNE

BODY MATERIAL : ALUMINIUM

LINE MOUNTING

LIMITEUR DE PRESSION (TYPE DIFFERENTIEL)
RELIEF VALVE (DIFFERENTIAL TYPE)
VMD-S 150


Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	L4	E1	E2	E3	H	S	kg
VSG002.1550B1	1"	1"	150	350	VMD-S150-050-B1	100	166	28	32.5	30	7	50	7.5	65	65	2,76
VSG002.1560B1	1 1/4"	1 1/4"	150	350	VMD-S150-060-B1	100	166	28	32.5	30	7	50	7.5	65	65	2,43

 RESSORT - *SPRING* : B= 30:350 bar (Standard)

1= Vis - Screw (Standard)

 REGLAGE - *SETTING* :

2= Volant - Knob

3= Vis+protection - Screw + protection cup



MATERIEL CORPS : ACIER

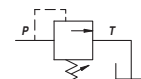
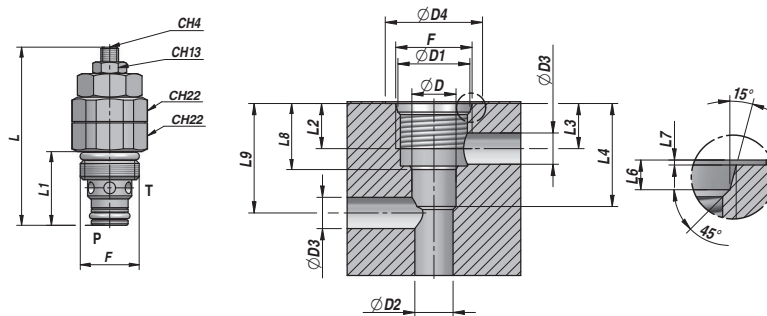
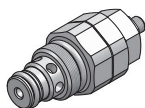
MONTAGE EN LIGNE

BODY MATERIAL : STEEL

LINE MOUNTING

VMDC 20

LIMITEUR DE PRESSION - TYPE A CARTOUCHE RELIEF VALVE - CARTRIDGE TYPE



Code Code	F	Q MAX l/min	P MAX bar	Type Type	L	L1	ØD (H7)	ØD4	ØD3	L2	L8	L9	L3	L4	ØD2 max	ØD1	L6	L7	kg
VCS001.020B10	3/4-16UNF	20	400	VMDC 20-B1	73.5	27.5	12.7	28	9	15	20.6	32	13	31	11	20.7	2.7	0.5	0,12

RESSORT - SPRING : A= 5:60 bar - B= 50:240 bar (Standard) - C= 90:350 bar - D= 20:130 bar

REGLAGE - SETTING :
 1= Vis - Screw (Standard)
 2= Volant - Knob
 3= Vis+protection - Screw + protection cup

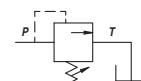
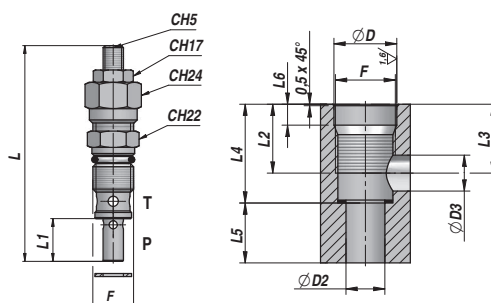
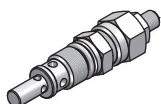


MATERIEL CORPS : ACIER
 BODY MATERIAL : STEEL

CARTOUCHE
 CARTRIDGE

VMDC 35

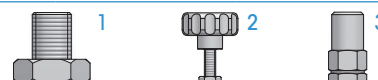
LIMITEUR DE PRESSION - TYPE A CARTOUCHE RELIEF VALVE - CARTRIDGE TYPE



Code Code	F	Q MAX l/min	P MAX bar	Type Type	L max	L1	ØD (H7)	ØD3	L2	L3 max	L4 ±0,1	L5 min	ØD2 max	L6	kg
VCM001.035B10	M20x1.5	35	400	VMDC 35-B1	100	21	21	12	23	23	33	20	13	7	0,16

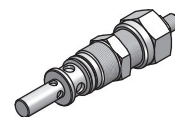
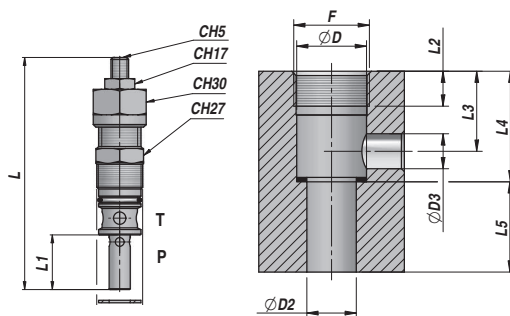
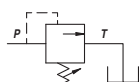
RESSORT - SPRING : A= 5:50 bar - B= 40:210 bar (Standard) - C= 100:350 bar

REGLAGE - SETTING :
 1= Vis - Screw (Standard)
 2= Volant - Knob
 3= Vis+protection - Screw + protection cup



MATERIEL CORPS : ACIER
 BODY MATERIAL : STEEL

CARTOUCHE
 CARTRIDGE

LIMITEUR DE PRESSION - TYPE A CARTOUCHE
RELIEF VALVE - CARTRIDGE TYPE
VMDC 80


Code Code	F	Q MAX l/min	P MAX bar	Type Type	L max	L1	ØD (H7)	ØD3	L2	L3	L4 ±0,1	L5 min	ØD2	kg
VCM001.080B10	M26x1.5	80	350	VMDC 80-B1	148	31.5	24	12	12	27.5	38	31	17	0,33

RESSORT - SPRING : A= 5:50 bar - B= 20:260 bar (Standard) - C= 120:350 bar

1= Vis - Screw (Standard)

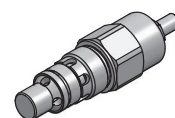
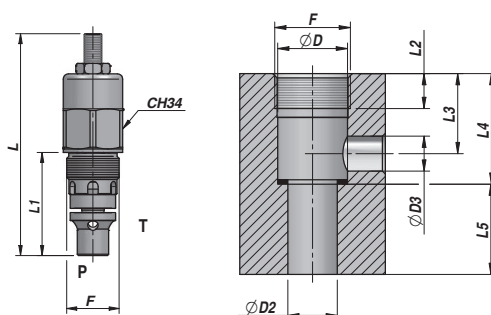
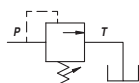
REGLAGE - SETTING :

2= Volant - Knob

3= Vis+protection - Screw + protection cup


 MATERIEL CORPS : ACIER
 BODY MATERIAL : STEEL

 CARTOUCHE
 CARTRIDGE

LIMITEUR DE PRESSION (CARTOUCHE DIFFERENTIELLE DEMONTABLE)
RELIEF VALVE (BUILT-IN DIFFERENTIAL CARTRIDGE)
VMDC 150


Code Code	F	Q MAX l/min	P MAX bar	Type Type	L max	L1	ØD (H7)	D3	L2	L3	L4 ±0,1	L5 min	ØD2	kg
VCM001.150B10	M30x1.5	150	350	VMDC 150-B1	127	59	26	10	16	21	39	22	24	0,47

RESSORT - SPRING : B= 30:350 bar (Standard)

1= Vis - Screw (Standard)

REGLAGE - SETTING :

2= Volant - Knob

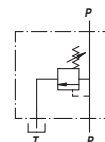
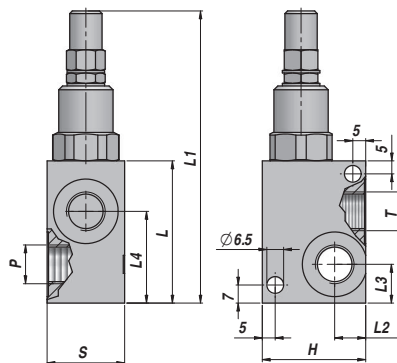
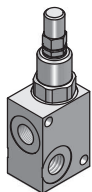
3= Vis+protection - Screw + protection cup


 MATERIEL CORPS : ACIER
 BODY MATERIAL : STEEL

 CARTOUCHE
 CARTRIDGE

VMP/L

LIMITEUR DE PRESSION RELIEF VALVE



Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	H	S	kg
V0120.0003	1/4"	1/4"	30	300	VMP-L 1/4" C	52	114	12	13	34.0	40	30	0,47
V0120.0004	3/8"	3/8"	40	300	VMP-L 3/8" C	52	117	12	15	35.5	40	30	0,47

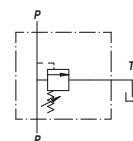
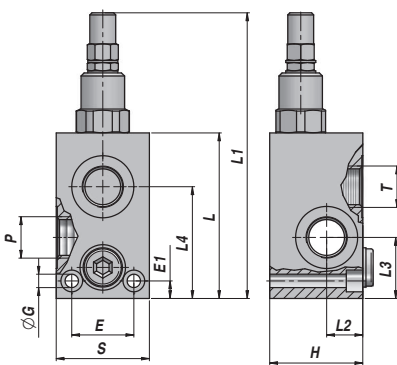
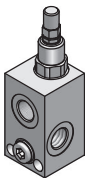
RESSORT - SPRING : A= 10:50 bar - C= 10:180 bar (Standard) - E= 80:300 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VMP

LIMITEUR DE PRESSION RELIEF VALVE



Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V0120.0006	3/8"	3/8"	45	300	VMP 3/8" C	72	134	15.0	26.0	49.5	6.5	26	8.5	40	40	0,82
V0120.0008	1/2"	1/2"	70	300	VMP 1/2" C	77	139	17.5	29.5	54.0	6.5	30	8.5	45	45	1,06
V0120.0012	3/4"	3/4"	90	300	VMP 3/4" C	92	154	17.5	35.0	68.0	8.5	32	10.0	50	50	1,47

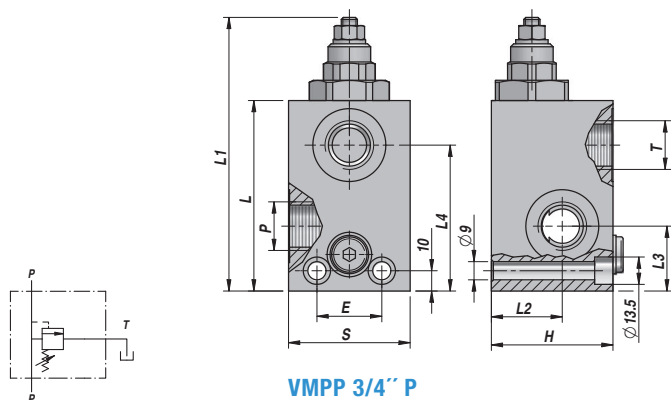
RESSORT - SPRING : A= 10:50 bar - B= 20:100 bar - C= 10:180 bar (Standard) - D= 50:250 bar - E= 80:300 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

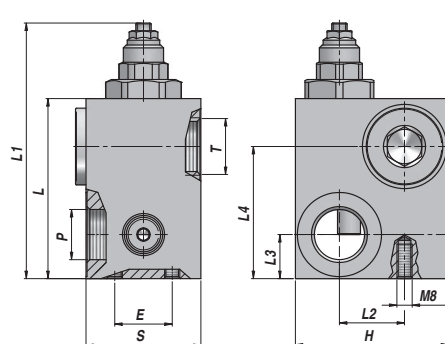
MONTAGE EN LIGNE
LINE MOUNTING

LIMITEUR DE PRESSION (TYPE DIFFERENTIEL)
RELIEF VALVE (DIFFERENTIAL TYPE)

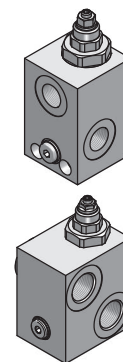
VMPP



VMPP 3/4" P



VMPP 1" P



Code Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	E	H	S	kg
V0120.3512	3/4"	3/4"	120	400	VMPP 3/4" P	94	146	35	32	70	32	60	60	2,20
V0120.3516	1"	1"	160	400	VMPP 1" P	94	146	34	23	71	30	60	60	2,90

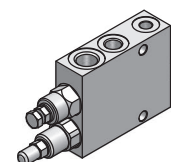
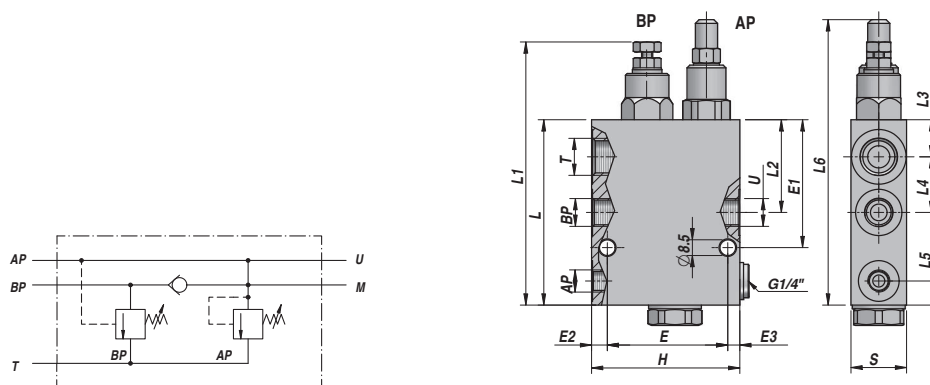
RESSORT - SPRING : N= 20:200 bar - P= 50:400 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE D'EXCLUSION HAUTE/BASSE PRESSION
"HI-LOW" UNLOADING VALVE

VABP



Code Code	AP BSP	BP-U BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	L5	L6	E	E1	E2	E3	H	S	kg
V1290.0512	1/4"	3/8"	1/2"	60	300	VABP 3/8"	100	142	50.0	20	30.0	13	155	65	69	8.5	6.5	80	30	1,75
V1290.0513	3/8"	1/2"	3/4"	80	350	VABP 1/2"	105	147	54.0	18	36.0	15	160	65	73	17.0	8.0	90	35	2,33
V1290.0514	1/2"	3/4"	1"	120	350	VABP 3/4"	140	187	52.5	20	42.5	20	212	65	95	27.0	8.0	100	40	3,97

RESSORT "BP" - "BP" SPRING : B= 20:80 bar (Standard)

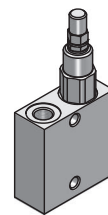
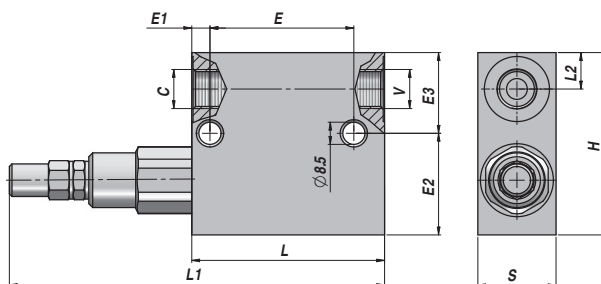
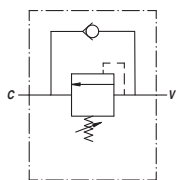
RESSORT "AP" - "AP" SPRING : D= 50:350 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE DE SEQUENCE
SEQUENCE VALVE

VS2C



Code Code	C BSP	V BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	E	E1	E2	E3	H	S	kg
V1390.0640	3/8"	3/8"	35	350	VS2C 3/8" C	74	146	14	55	7	39	31	70	30	1,17
V1390.0660	1/2"	1/2"	70	350	VS2C 1/2" C	80	152	15	55	7	37	33	70	30	1,13
V1390.D665	3/4"	3/4"	110	400	VS2C 3/4" D	100	164	20	80	10	50	50	100	40	2,90

RESSORT - SPRING VS2C 3/8" - 1/2": A= 10:50 bar - B= 20:100 bar - C= 10:180 bar (Standard) - D= 50:250 bar - E= 80:300 bar

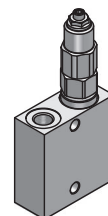
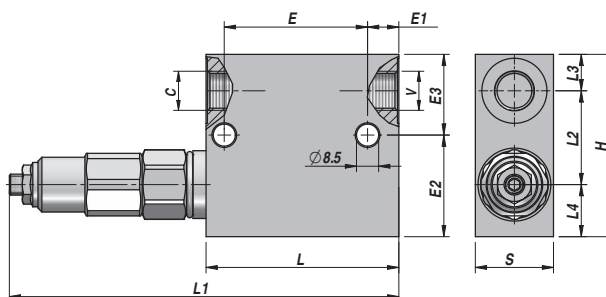
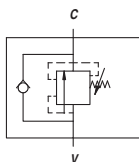
RESSORT - SPRING VS2C 3/4" : C= 20:200 bar - D= 50:400 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE DE SEQUENCE AVEC ANNULATION PRESSION PRIMAIRE
SEQUENCE VALVE WITH ZERO SETTING ON PRIMARY PRESSURE

VSQ-APP



Code Code	C BSP	V BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	E	E1	E2	E3	H	S	kg
V1390.0642	3/8"	3/8"	35	350	VSQAPP 3/8" C	74	149	36	14	20	55	12	39	31	70	30	1,25
V1390.0662	1/2"	1/2"	70	350	VSQAPP 1/2" C	80	155	36	15	19	55	18	37	33	70	30	1,28
V1390.0667	3/4"	3/4"	110	400	VSQAPP 3/4" Q	100	190	55	20	25	80	10	50	50	100	40	2,85

RESSORT - SPRING (3/8" - 1/2") : A= 10:50 bar - B= 20:100 bar - C= 10:180 bar (Standard) - D= 50:250 bar - E= 80:300 bar

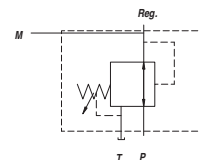
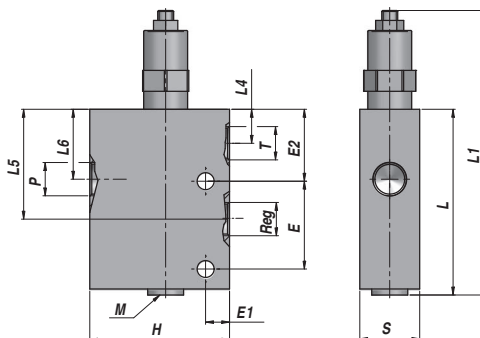
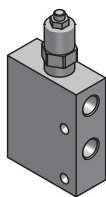
RESSORT - SPRING (3/4") : N= 20:200 bar - Q= 50:400 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VRP

REDUCTEUR DE PRESSION PRESSURE REDUCING VALVE



Code Code	P-T-Reg BSP	M BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L4	L5	L6	E	E1	E2	H	S	kg
V1190.0704165	3/8"	1/4"	30	350	VRP 3/8"-B	90	168	17	55	35	44	12	36	70	30	1,53
V1190.0706165	1/2"	1/4"	30	350	VRP 1/2"-B	90	168	17	55	35	44	12	36	70	30	1,47

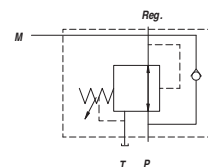
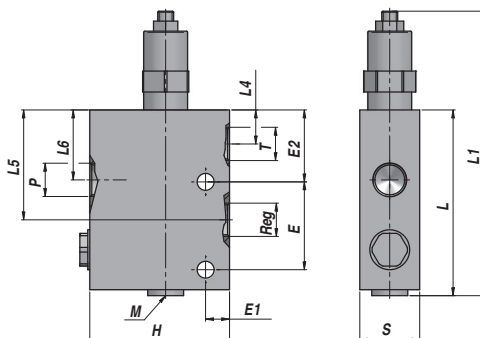
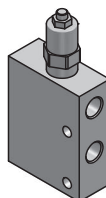
RESSORT - SPRING : A= 15:55 bar - B= 30:165 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VRPRL

REDUCTEUR DE PRESSION + CLAPET ANTI-RETOUR PRESSURE REDUCING VALVE WITH CHECK VALVE

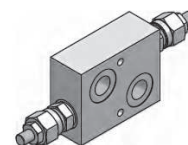
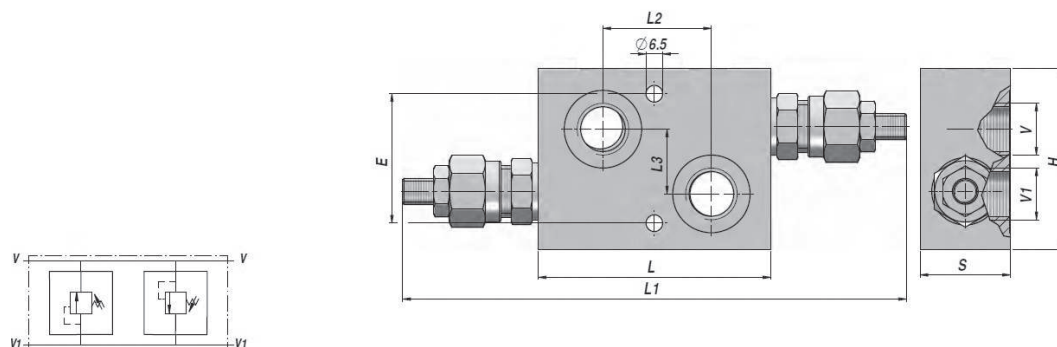


Code Code	P-T-Reg BSP	M BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L4	L5	L6	E	E1	E2	H	S	kg
V1190.0705165	3/8"	1/4"	30	350	VRPRL 3/8"-B	90	168	17	55	35	44	12	36	70	30	1,53
V1190.0707165	1/2"	1/4"	30	350	VRPRL 1/2"-B	90	168	17	55	35	44	12	36	70	30	1,47

RESSORT - SPRING : A= 15:55 bar - B= 30:165 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE
VAIL 5


Code Code	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	E	H	S	kg
V140021102	3/8"	3/8"	25	210	VAIL 5-38/TS.S	70	190	34	23	50	70	35	0,67
V140021152	1/2"	1/2"	35	210	VAIL 5-12/TS.S	75	195	33	23	50	70	35	0,63

RESSORT - SPRING : A= 5:40 bar - B= 50:220 bar (Standard) - C= 180:350 bar (pour .../TS.S/ac Acier - Steel)

REGLAGE - SETTING : Vis+protection - Screw + protection cup



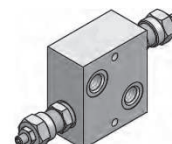
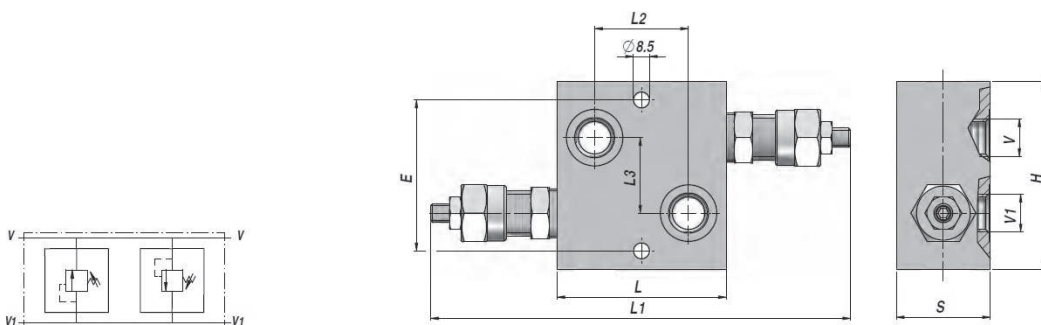
SUR DEMANDE - ON REQUEST : ACIER - STEEL (.../TS.S/ac - 350 bar)

MATERIEL CORPS : ALUMINIUM

MONTAGE EN LIGNE

BODY MATERIAL : ALUMINIUM

LINE MOUNTING

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE
VAIL 10


Code Code	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	E	H	S	kg
V140031102	1/2"	1/2"	70	210	VAIL 10-12/TS.S	90	224	50	32	65	82	40	1,12
V140031152	3/4"	3/4"	70	210	VAIL 10-34/TS.S	90	224	50	32	65	82	40	1,1

RESSORT - SPRING : A= 5:40 bar - B= 50:220 bar (Standard) - C= 180:350 bar (pour .../TS.S/ac Acier - Steel)

REGLAGE - SETTING : Vis+protection - Screw + protection cup



SUR DEMANDE - ON REQUEST : ACIER - STEEL (.../TS.S/ac - 350 bar)

MATERIEL CORPS : ALUMINIUM

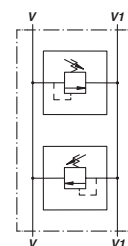
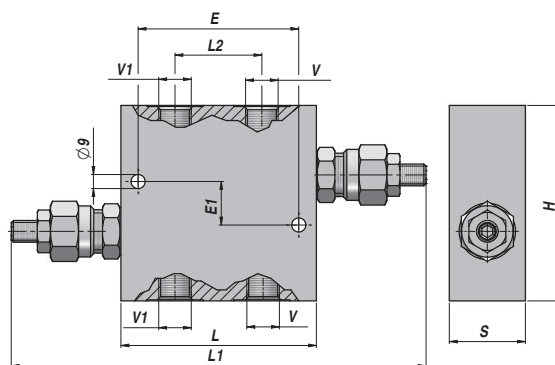
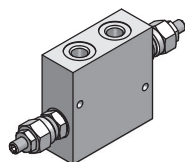
MONTAGE EN LIGNE

BODY MATERIAL : ALUMINIUM

LINE MOUNTING

VBDC 35

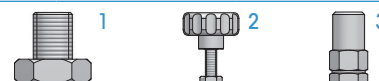
VALVE ANTICHOC DOUBLE DUAL CROSS-OVER RELIEF VALVE



Code Code	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	E	E1	H	S	kg
VAG022.0320B1	3/8"	3/8"	35	350	VBDC A35-020-B1	90	218	40	74	20	90	35	0,80
VAG022.0330B1	1/2"	1/2"	35	350	VBDC A35-030-B1	90	218	40	74	20	90	35	0,80

RESSORT - SPRING : A= 5:50 bar - B= 40:210 bar (Standard) - C= 100:350 bar

REGLAGE - SETTING :
 1= Vis - Screw (Standard)
 2= Volant - Knob
 3= Vis+protection - Screw + protection cup



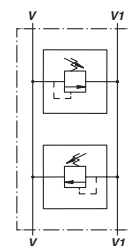
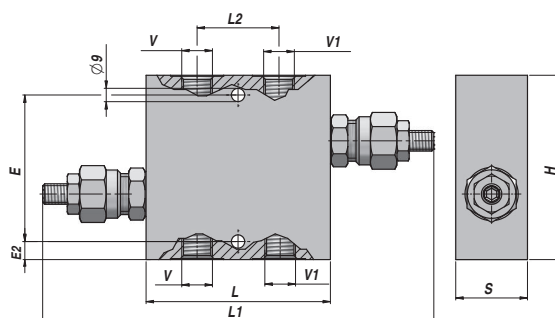
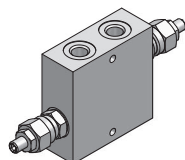
SUR DEMANDE - ON REQUEST : ACIER - STEEL (VBDC-S - 400 bar)

MATERIEL CORPS : ALUMINIUM
 BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
 LINE MOUNTING

VBDC 80

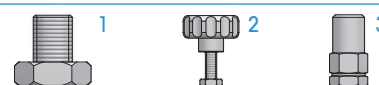
VALVE ANTICHOC DOUBLE DUAL CROSS-OVER RELIEF VALVE



Code Code	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	E	E1	H	S	kg
VAG022.0830B1	1/2"	1/2"	80	260	VBDC A80-030-B1	94	250	38	65	-	100	40	1,65
VAG022.0840B1	3/4"	3/4"	80	260	VBDC A80-040-B1	94	250	38	65	-	100	40	1,60

RESSORT - SPRING : A= 5:50 bar - B= 20:260 bar (Standard) - C= 120:350 bar

REGLAGE - SETTING :
 1= Vis - Screw (Standard)
 2= Volant - Knob
 3= Vis+protection - Screw + protection cup



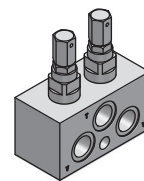
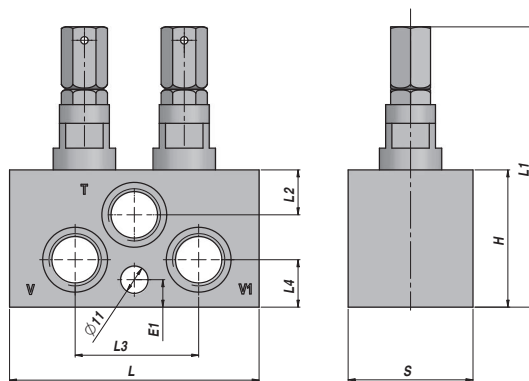
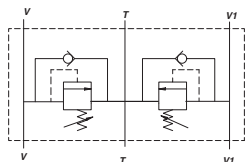
SUR DEMANDE - ON REQUEST : ACIER - STEEL (VBDC-S - 400 bar)

MATERIEL CORPS : ALUMINIUM
 BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
 LINE MOUNTING

VALVE ANTICHOC DOUBLE (TYPE DIFFERENTIEL) + ANTICAVITATION
DUAL CROSS RELIEF VALVE (DIFFERENTIAL TYPE) + ANTICAVITATION

VMDA-CSV



Code Code	V-V1 BSP	T BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	L2	L3	L4	E1	H	S	kg
VAG020.0320D3	3/8"	3/8"	45	350	VMVA-CSV-020-D3	100	118	37	64	19	10	55	50	1,85
VAG020.0330D3	1/2"	1/2"	70	350	VMVA-CSV-030-D3	100	118	37	64	19	10	55	50	1,85

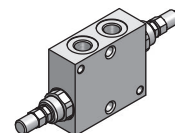
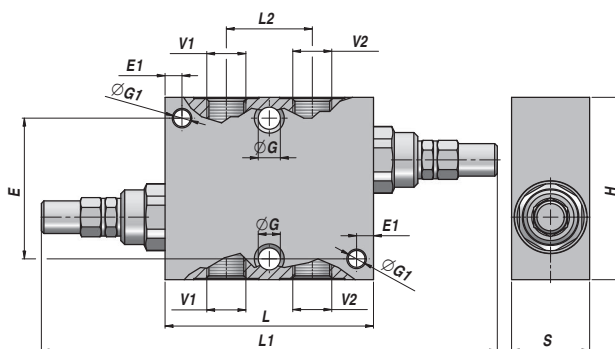
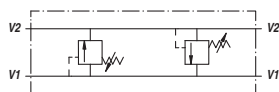
RESSORT - SPRING : C= 95:125 bar - D= 125:160 bar (Standard)

MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
LINE MOUNTING

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE

VAU/DE



Code Code	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	ØG1	E1	H	S	kg
V0590.0438	1/4"	1/4"	30	300	VAU/DE 1/4" C	60	156	26	-	54	6.5	6.5	70	30	0,99
V0590.0440	3/8"	3/8"	45	300	VAU/DE 3/8" C	80	176	33	8.5	54	-	-	70	30	1,21
V0590.0450	1/2"	1/2"	70	300	VAU/DE 1/2" C	80	200	38	8.5	54	-	-	70	30	1,15
V0590.0460	3/4"	3/4"	110	300	VAU/DE 3/4" C	95	215	44	8.5	54	-	-	80	35	1,68

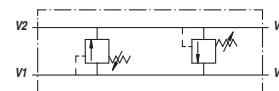
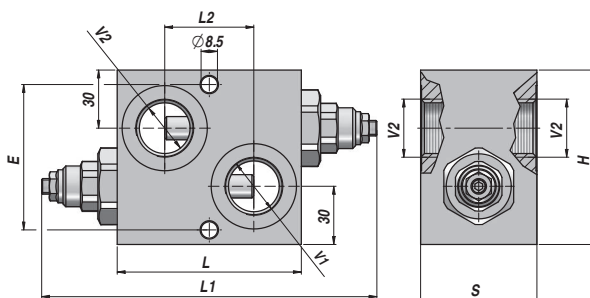
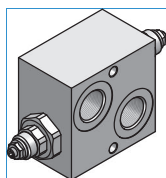
RESSORT - SPRING : A= 10:50 bar - B= 20:100 bar - C= 10:180 bar (Standard) - D= 50:250 bar - E= 80:300 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VAU/DE 1"

VALVE ANTICHOC DOUBLE (TYPE DIFFERENTIEL) DUAL CROSS-OVER RELIEF VALVE (DIFFERENTIAL TYPE)



Code Code	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	E	H	S	kg
V0590.0470	1"	1"	160	350	VAU/DE 1" Q	95	199	46	75	90	60	3,20

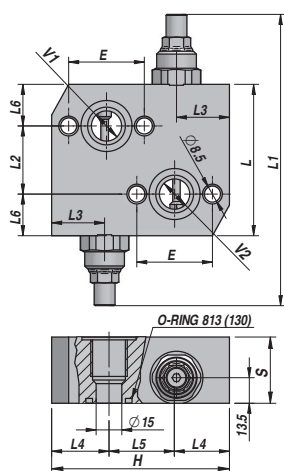
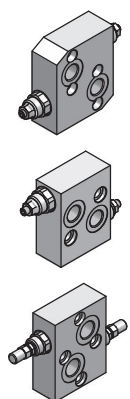
RESSORT - SPRING : N= 20:200 bar - Q= 50:400 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

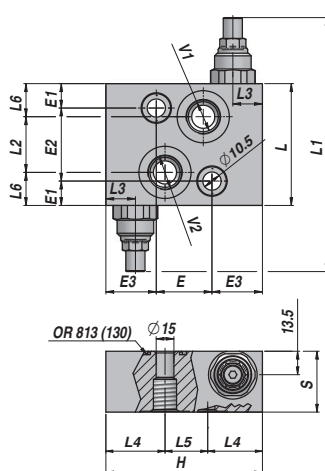
MONTAGE EN LIGNE
LINE MOUNTING

VAU/DE MP-R-S-T

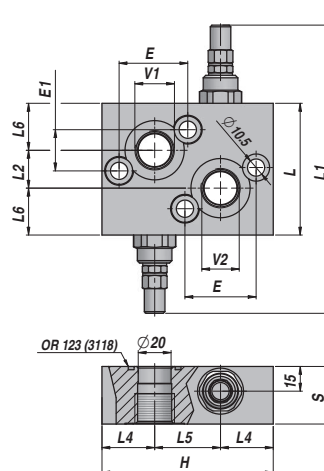
VALVE ANTICHOC POUR MOTEURS CROSS LINE RELIEF VALVE FOR MOTORS



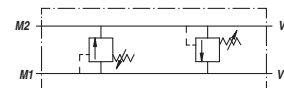
VAU OMP-OMR



VAU OMS



VAU OMT



Code Code	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	L5	L6	E	E1	E2	E3	H	S	kg
V0590.0500	1/2"	1/2"	60	300	VAU/DE 1/2"C (OMP/R)	80	164	36	28	29	36	22.0	40.0	-	-	-	94	35	1,75
V0590.0490	1/2"	1/2"	50	300	VAU/DE 1/2"C (OMS)	70	154	32	17	34	22	19.0	32.0	14	42	29	90	35	1,33
V0590.0505	3/4"	3/4"	100	300	VAU/DE 3/4"C (OMT)	80	188	23	-	32	40	28.5	43.2	25	-	-	104	35	1,92

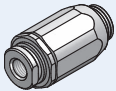
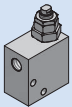
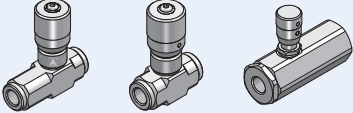
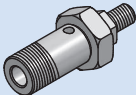
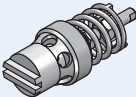
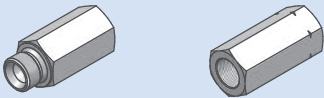
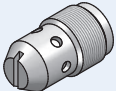
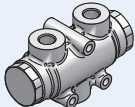
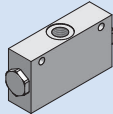
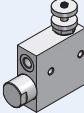
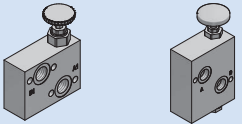
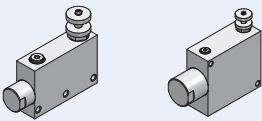
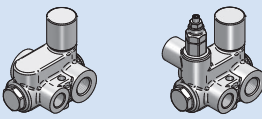
RESSORT - SPRING : B= 20:100 bar - C= 10:180 bar (Standard) - D= 50:250 bar - E= 80:300 bar

SUR DEMANDE - ON REQUEST : VAU/DE/SF ... AVEC DEBLOCAGE FREIN - WITH BRAKE RELEASE PORT

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

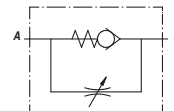
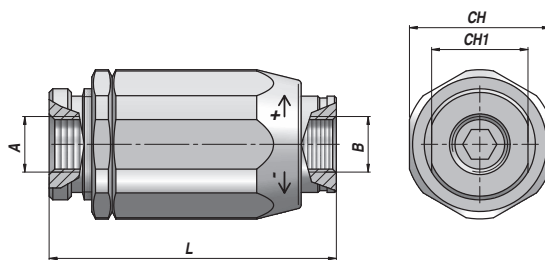
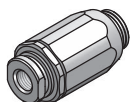
FLASQUABLE
FACE MOUNTING

VALVES CONTROLE DEBIT FLOW CONTROL VALVES

	Description - Description	Type	Page
	ETRANGLEUR REGLABLE ADJUSTABLE THROTTLE-CHECK VALVE	VRFC VRB	216
	REGULATEUR DE DEBIT FLOW CONTROL VALVE	RFB RFB/C	217
	REGULATEUR DE DEBIT FLOW CONTROL VALVE	VRFU 90 VRFB 90 VRFU 90-C	218-219
	VIS D'ETRANGLEMENT THROTTLE SCREW	VS	219
	VALVE DE FREINAGE REGLABLE ADJUSTABLE DESCENT CONTROL VALVE	VRD	220
	RACCORD POUR VALVE "VRD" "VRD" VALVE ADAPTER	CMF x VRD CFF x VRD	220
	VALVE DE FREINAGE DESCENT CONTROL VALVE	VSC	221
	RACCORD POUR VALVE "VSC" "VSC" VALVE ADAPTER	CMF x VSC CFF x VSC	221
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VRFC

ETRANGLEUR REGLABLE (ETANCHEITE PAR CONE)
ADJUSTABLE THROTTLE-CHECK VALVE (POPPET TYPE)



Code Code	A BSP	B BSP	Q MAX l/min A>B	Q MAX l/min B>A	P MAX bar	Type Type	L	CH	CH1	kg
VSG512.100000	1/4"	1/4"	30	30	350	VRFC 010	66.0	32	22	0,30
VSG512.200000	3/8"	3/8"	40	50	350	VRFC 020	77.5	38	26	0,48
VSG512.300000	1/2"	1/2"	50	80	350	VRFC 030	83.0	41	30	0,59
VSG512.400000	3/4"	3/4"	80	110	300	VRFC 040	104.0	55	38	1,34
VSG512.500000	1"	1"	110	160	250	VRFC 050	118.5	65	46	2,15
VSG512.600000	1"1/4	1"1/4	150	210	230	VRFC 060	135.0	80	55	3,31
VSG512.700000	1"1/2	1"1/2	210	280	230	VRFC 070	149.5	90	62	4,76

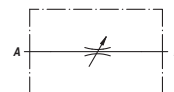
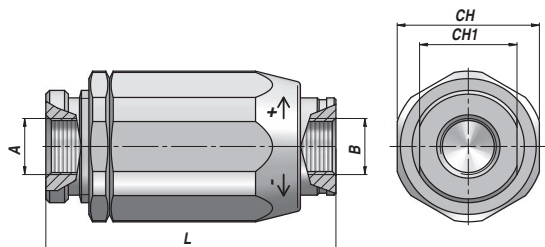
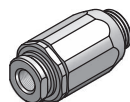
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

UNIDIRECTIONNEL
UNIDIRECTIONAL

VRB

ETRANGLEUR REGLABLE
ADJUSTABLE THROTTLE VALVE



Code Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Type Type	L	CH	CH1	kg
VSG515.100000	1/4"	1/4"	30	350	VRB 010	66.0	32	22	0,30
VSG515.200000	3/8"	3/8"	45	350	VRB 020	77.5	38	26	0,48
VSG515.300000	1/2"	1/2"	70	350	VRB 030	83.0	41	30	0,59
VSG515.400000	3/4"	3/4"	100	300	VRB 040	104.0	55	38	1,34
VSG515.500000	1"	1"	150	250	VRB 050	118.5	60	46	2,15

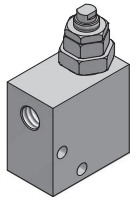
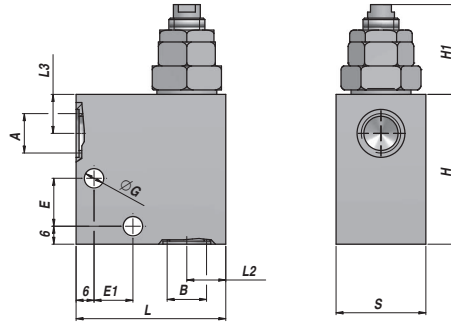
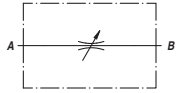
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

BIDIRECTIONNEL
BIDIRECTIONAL

REGULATEUR DE DEBIT
FLOW CONTROL VALVE

RFB



Code Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Type Type	L	L2	L3	E	E1	ØG	H	H1 max	S	kg
VSG530.100000	1/4"	1/4"	20	350	RFB 20-010-1	50	16	13	16	13	6.5	50	57	30	0,30
VSG530.200000	3/8"	3/8"	20	350	RFB 20-020-1	50	16	13	16	13	6.5	50	57	30	0,30

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REGLAGE - SETTING :
1= Vis - Screw (Standard)
2= Volant - Knob



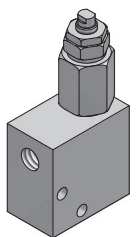
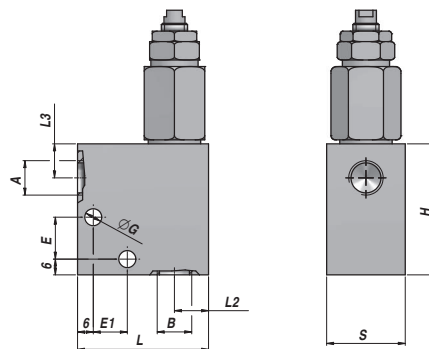
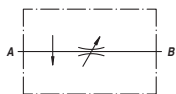
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
LINE MOUNTING

BIDIRECTIONNEL
BIDIRECTIONAL

REGULATEUR DE DEBIT COMPENSE
COMPENSATED FLOW CONTROL VALVE

RFB/C



Code Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Type Type	L	L2	L3	E	E1	ØG	H	H1 max	S	kg
VSG531.100000	1/4"	1/4"	18	210	RFB/C 20-010-1	50	16	13	16	13	6.5	50	77	30	0,36
VSG531.200000	3/8"	3/8"	18	210	RFB/C 20-020-1	50	16	13	16	13	6.5	50	77	30	0,36

REGLAGE - SETTING :
1= Vis - Screw (Standard)
2= Volant - Knob
3= Vis+protection - Screw + protection cup



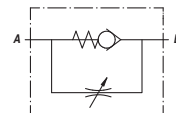
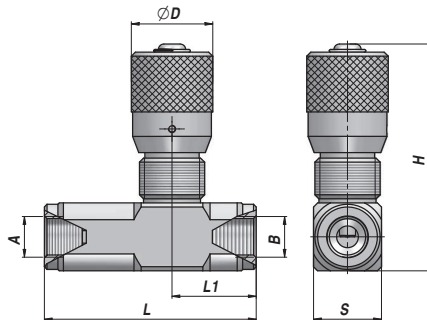
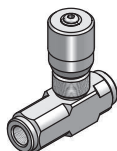
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
LINE MOUNTING

BIDIRECTIONNEL
BIDIRECTIONAL

VRFU 90

REGULATEUR DE DEBIT (ETANCHEITE PAR CONE)
FLOW CONTROL VALVE (POPPET TYPE)



Code Code	A BSP	B BSP	Q MAX l/min A>B	Q MAX l/min B>A	P MAX bar	Type Type	L	L1	ØD	F	H	S	kg
VSG521.100000	1/4"	1/4"	30	35	350	VRFU90 010	75	29.0	30	M25x1.5	82	25	0,40
VSG521.200000	3/8"	3/8"	40	50	350	VRFU90 020	78	31.0	30	M25x1.5	82	25	0,41
VSG521.300000	1/2"	1/2"	50	90	350	VRFU90 030	93	33.5	30	M25x1.5	88	30	0,58
VSG521.400000	3/4"	3/4"	80	140	320	VRFU90 040	110	41.5	42	M35x1.5	116	40	1,39
VSG521.500000	1"	1"	110	180	300	VRFU90 050	135	44.5	42	M35x1.5	116	40	1,36
GAMME AVEC MOLETTE PLASTIQUE UV RESISTANTE													
V43167.000400	1/4"	1/4"	20	20	350	V0581	73	*	32	M22x1.5	82	25	0,32
V43167.000600	3/8"	3/8"	30	30	350	V0582	83	*	32	M22x1.5	82	25	0,42
V43167.000800	1/2"	1/2"	50	50	350	V0583	94	*	32	M22x1.5	87	30	0,58
V43167.001200	3/4"	3/4"	60	60	320	V0588	110	*	42	M35x1.5	108.5	40	1,36
V43167.001600	1"	1"	80	80	300	V0576	135	*	42	M35x1.5	126	40	1,39

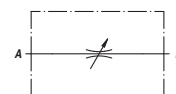
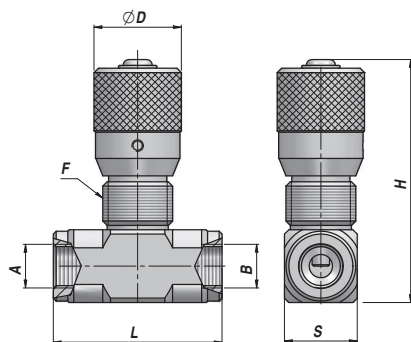
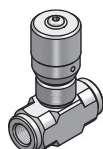
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

UNIDIRECTIONNEL
UNIDIRECTIONAL

VRFB 90

REGULATEUR DE DEBIT
FLOW CONTROL VALVE



Code Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Type Type	L	ØD	F	H	S	kg
VSG522.100000	1/4"	1/4"	30	350	VRFB90 010	58	30	M25x1.5	82	25	0,34
VSG522.200000	3/8"	3/8"	40	350	VRFB90 020	58	30	M25x1.5	82	25	0,34
VSG522.300000	1/2"	1/2"	50	350	VRFB90 030	64	30	M25x1.5	88	30	0,43
VSG522.400000	3/4"	3/4"	80	320	VRFB90 040	89	42	M35x1.5	116	40	1,13
VSG522.500000	1"	1"	110	300	VRFB90 050	89	42	M35x1.5	116	40	1,00
GAMME AVEC MOLETTE PLASTIQUE UV RESISTANTE											
V43267.000400	1/4"	1/4"	15	350	V0584	60	32	M22x1.5	82	25	0,37
V43267.000600	3/8"	3/8"	30	350	V0586	61	32	M22x1.5	82	25	0,35
V43267.000800	1/2"	1/2"	50	350	V0587	70	32	M22x1.5	87	30	0,47
V43267.001200	3/4"	3/4"	80	320	V0589	89	42	M35x1.5	108,5	40	1,08
V43267.001600	1"	1"	110	300	V0577	90	42	M35x1.5	129	40	1,00

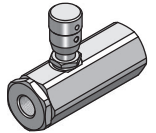
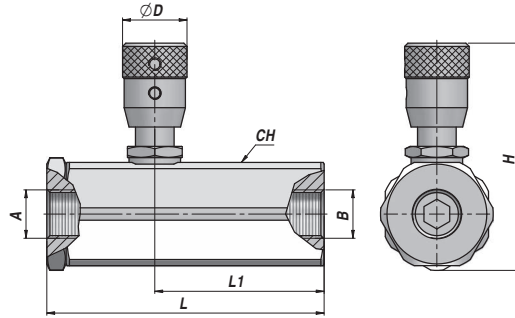
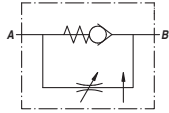
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

BIDIRECTIONNEL
BIDIRECTIONAL

REGULATEUR DE DEBIT COMPENSE (ETANCHEITE PAR CONE)
COMPENSATED FLOW CONTROL VALVE (POPPET TYPE)

VRFU 90-C



Code Code	A BSP	B BSP	Q MAX l/min A>B	Q MAX l/min B>A	P MAX bar	Type Type	L	L1	ØD	CH	H	kg
VSG523.1C0000	1/4"	1/4"	17	25	300	VRFU90-C 010	87	52.5	20	32	68	0,52
VSG523.2C0000	3/8"	3/8"	17	30	300	VRFU90-C 020	87	52.5	20	32	68	0,50
VSG523.3C0000	1/2"	1/2"	28	35	250	VRFU90-C 030	107	61.0	20	36	71	0,69

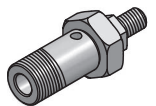
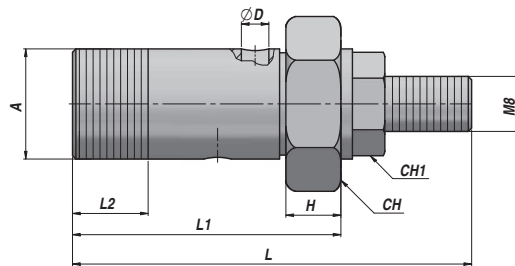
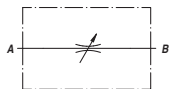
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

UNIDIRECTIONNEL
UNIDIRECTIONAL

REGULATEUR DE DEBIT COMPENSE
COMPENSATED FLOW CONTROL VALVE

VS



Code Code	A BSP	Q MAX l/min	P MAX bar	Type Type	L max	L1	L2	H	ØD	CH	CH1	kg x 100
V2890.1351	1/4"	-	350	VS 1/4"	36	53	15	7	2.5	19	13	5,00
V2890.1361	3/8"	-	350	VS 3/8"	39	58	15	8	3.0	22	13	8,00
V2890.1371	1/2"	-	350	VS 1/2"	46	62	16	8	4.0	27	13	14,00

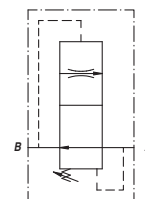
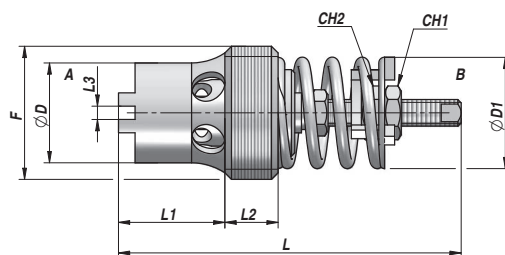
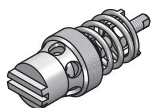
REGLAGE - SETTING : Vis - Screw

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

VRD

VALVE DE FREINAGE REGLABLE ADJUSTABLE DESCENT CONTROL VALVE



Code Code	F BSP	Q MAX l/min B>A	Q MAX l/min A>B	P MAX bar	Type Type	L	L1	L2	L3	ØD	ØD1	CH1	CH2	kg x 100
VCG501.100*00	1/4"	10	25	300	VRD 010-*	39	11.5	8.0	-	10.0	10.0	5.5	5.5	1,20
VCG501.200*00	3/8"	25	50	300	VRD 020-*	45	16.0	6.0	2	11.5	13.5	6.0	7.0	2,20
VCG501.300*00	1/2"	67	90	300	VRD 030-*	50	17.0	7.0	2	16.0	18.0	6.0	7.0	3,60
VCG501.400*00	3/4"	150	220	300	VRD 040-*	60	21.5	9.5	2	20.0	23.0	6.0	7.0	6,90

* = Plage de Réglage - Flow Range (l/min - 50 bar) :

* VRD 010: 1=(1.0-1.6) - 2=(1.6-2.5) - 3=(2.5-4.0) - 4=(4.0-6.3) - 5=(6.3-10)

* VRD 020: 1=(2.5-4.0) - 2=(4.0-6.3) - 3=(6.3-10) - 4=(10-16) - 5=(16-25)

* VRD 030: 1=(16-21) - 2=(21-28) - 3=(28-37) - 4=(37-50) - 5=(50-67)

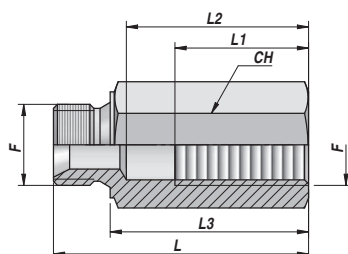
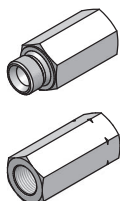
* VRD 040: 1=(37-50) - 2=(50-67) - 3=(67-90) - 4=(90-120) - 5=(120-150)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

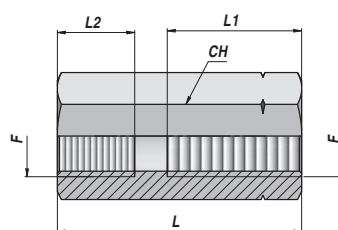
CARTOUCHE
CARTRIDGE

CMF x VRD CFF x VRD

RACCORD POUR VALVE "VRD" "VRD" VALVE ADAPTER



TYPE CMF



TYPE CFF

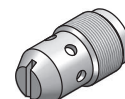
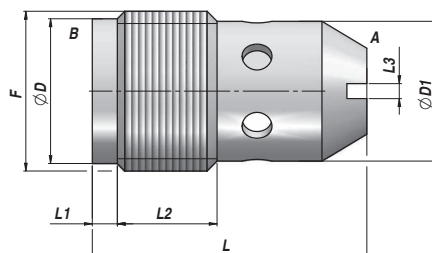
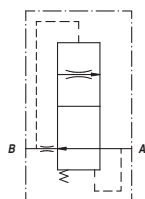
Code Code	F BSP	P MAX bar	Type Type	L	L1	L2	L3	CH	kg x 100
MALE-FEMELLE				MALE-FEMALE					
VCG502.100000	1/4"	350	CMFxVRD-010	76	41	61	66	19	9,00
VCG502.200000	3/8"	350	CMFxVRD-020	82	41	63	70	22	11,00
VCG502.300000	1/2"	350	CMFxVRD-030	100	45	79	86	27	16,50
VCG502.400000	3/4"	300	CMFxVRD-040	112	55	86	96	32	25,00

FEMELLE-FEMELLE				FEMALE-FEMALE					
VCG503.100000	1/4"	350	CFFxVRD-010	66	34	12	-	19	8,00
VCG503.200000	3/8"	350	CFFxVRD-020	70	37	14	-	22	11,00
VCG503.300000	1/2"	350	CFFxVRD-030	80	41	16	-	27	16,50
VCG503.400000	3/4"	300	CFFxVRD-040	100	54	19	-	32	25,00

MATERIEL : ACIER
MATERIAL : STEEL

VALVE DE FREINAGE
DESCENT CONTROL VALVE

VSC



Code Code	F BSP	Q MAX l/min B>A	Q MAX l/min A>B	P MAX bar	Type Type	L	L1	L2	L3	ØD	ØD1	kg x 100
VCG505.10*000	1/4"	10	15	350	VSC 010-*	23	1.5	7.0	1.5	-	10.5	1,00
VCG505.20*000	3/8"	16	25	350	VSC 020-*	28	2.5	10.5	1.5	14.5	14.0	2,60
VCG505.30*000	1/2"	45	60	350	VSC 030-*	36	5.0	12.0	2.0	18.0	17.0	5,00

* = Débit nominal - Nominal Flow (l/min - 50 bar) :

* VSC010: A= 1 - B= 2 - C= 3 - D= 4 - E= 5 - F= 6 - G= 7 - H= 8 - I= 9 - L=10

* VSC020: A= 2 - B= 4 - C= 6 - D= 8 - E=10 - F=12 - G=14 - H=16

* VSC030: A=12 - B=16 - C=20 - D=25 - E=30 - F=35 - G=40 - H=45

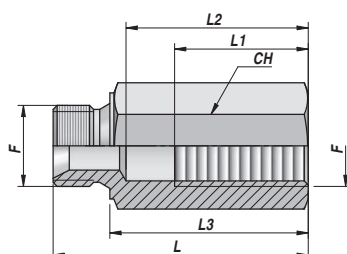
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

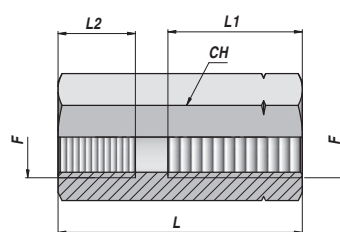
RACCORD POUR VALVE "VSC"
"VSC" VALVE ADAPTER

CMF x VSC

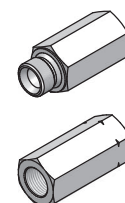
CFF x VSC



TYPE CMF



TYPE CFF



Code Code	F BSP	P MAX bar	Type Type	L	L1	L2	L3	CH	kg x 100
MALE-FEMELLE				MALE-FEMALE					
VCG506.100000	1/4"	350	CMFxVSC-010	62	42	45	50	19	7,00
VCG506.200000	3/8"	350	CMFxVSC-020	82	41	63	70	22	9,50
VCG506.300000	1/2"	350	CMFxVSC-030	100	45	79	86	27	14,70

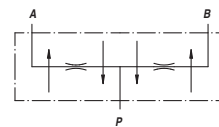
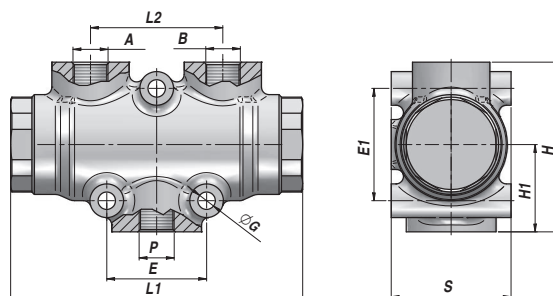
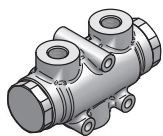
FEMELLE-FEMELLE				FEMALE-FEMALE					
VCG507.100000	1/4"	350	CFFxVSC-010 *	50	21	12	-	19	8,00
VCG507.200000	3/8"	350	CFFxVSC-020	70	37	14	-	22	11,00
VCG507.300000	1/2"	350	CFFxVSC-030	80	50	16	-	27	16,50

* = Monter la valve renversée - Insert the valve in the inverse direction

MATERIEL : ACIER
MATERIAL : STEEL

VEQ

DIVISEUR DE DEBIT FLOW DIVIDER



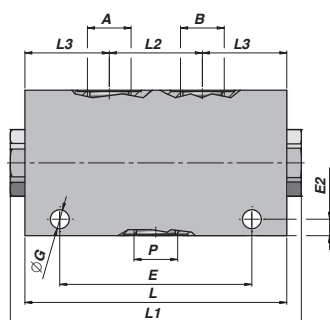
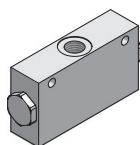
Code Code	P BSP	A - B BSP	Q MIN/MAX l/min	P MAX bar	Type Type	L1	L2	E	E1	ØG	H1	H	S	kg
V3615.0311	3/8"	3/8"	1/ 3	250	VEQ 8	117	53	40	45	7	35	68	48	1,27
V3615.0312	3/8"	3/8"	3/ 6	250	VEQ 10	117	53	40	45	7	35	68	48	1,27
V3615.0313	3/8"	3/8"	6/10	250	VEQ 15	117	53	40	45	7	35	68	48	1,28
V3615.0314	3/8"	3/8"	10/20	250	VEQ 20	117	53	40	45	7	35	68	48	1,27
V3615.0315	3/8"	3/8"	20/32	250	VEQ 22	117	53	40	45	7	35	68	48	1,28
V3615.0316	1/2"	3/8"	25/40	250	VEQ 25	117	53	40	45	7	35	68	48	1,28
V3615.0317	1/2"	3/8"	40/60	250	VEQ 30	117	53	40	45	7	35	68	48	1,26
V3615.0318	1/2"	3/8"	60/80	250	VEQ 50	117	53	40	45	7	35	68	48	1,26

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

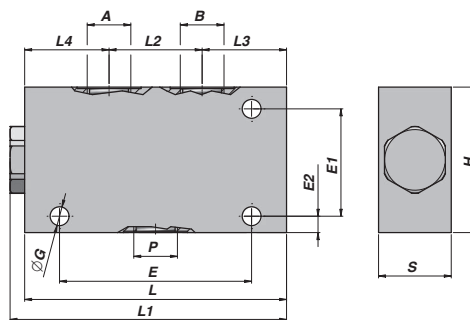
MONTAGE EN LIGNE
LINE MOUNTING

VDF

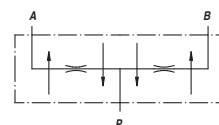
DIVISEUR DE DEBIT FLOW DIVIDER



VDF 38 - VDF 12



VDF 34



Code Code	P BSP	A - B BSP	Q MIN/MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	E	E1	E2	ØG	H	S	kg
VAG501.20*000	3/8"	3/8"	6.5 / 38	210	VDF 38-*	121	135.0	53	34	-	100	-	7	6.5	60	40	0,87
VAG501.25*000	1/2"	3/8"	6.5 / 38	210	VDF 12-*	121	135.0	53	34	-	100	-	7	6.5	60	40	0,85
VAG501.35*000	3/4"	1/2"	15 / 90	210	VDF 34-*	120	129.5	48	42	30	102	60	10	6.5	80	40	0,92

* = Plage de Réglage - Flow Range (l/min - 50 bar) :

* VDF 38-A = 6.5 - 12 - VDF 38-B = 13 - 23 - VDF 38-C = 24 - 38

* VDF 12-A = 6.5 - 12 - VDF 12-B = 13 - 23 - VDF 12-C = 24 - 38

* VDF 34-A = 15 - 55 - VDF 34-B = 56 - 90

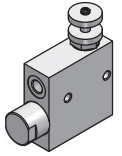
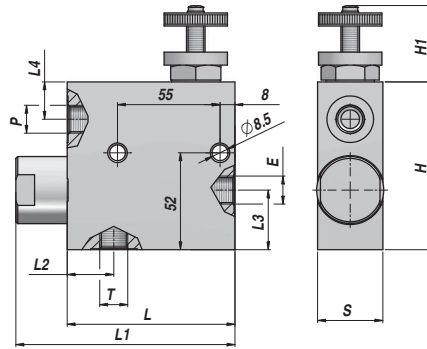
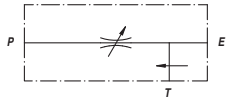
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
LINE MOUNTING

REGULATEUR DE DEBIT PRIORITAIRE
PRIORITY FLOW CONTROL

RFP 3

COMPENSE EN PRESSION
PRESSURE COMPENSATED



REGLABLE - ADJUSTABLE
EXCEDENT AU RESERVOIR - EXCEEDING FLOW TO TANK

Code Code	E - P - T BSP	Q MAX l/min In (E)/Reg (P)	P MAX bar	Type Type	L	L1	L2	L3	L4	H1	H	S	kg
V3390.1110	3/8"	60/ 50	350	RFP 3 3/8"	90	118	25	32	20	40	90	35	2,17
V3390.1120	1/2"	80/ 60	350	RFP 3 1/2"	90	118	25	32	20	40	90	35	2,10
V3390.1130	3/4"	120/100	350	RFP 3 3/4"	90	122	27	36	19	40	102	50	3,35

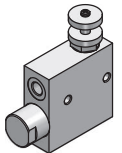
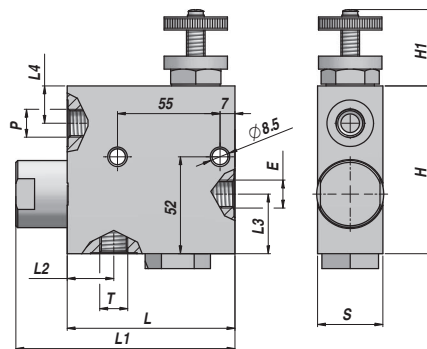
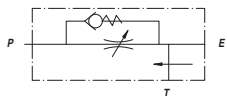
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

REGULATEUR DE DEBIT PRIORITAIRE AVEC CLAPET ANTI-RETOUR
PRIORITY FLOW CONTROL WITH CHECK VALVE

RFP 3VU

COMPENSE EN PRESSION
PRESSURE COMPENSATED



REGLABLE - ADJUSTABLE
EXCEDENT AU RESERVOIR - EXCEEDING FLOW TO TANK

Code Code	E - P - T BSP	Q MAX l/min In (E)/Reg (P)	P MAX bar	Type Type	L	L1	L2	L3	L4	H1	H	S	kg
V3390.1110VU	3/8"	60 / 50	350	RFP-VU 3 3/8"	90	118	25	32	20	35	90	40	2,20
V3390.1120VU	1/2"	80 / 60	350	RFP-VU 3 1/2"	90	118	25	32	20	35	90	40	2,10

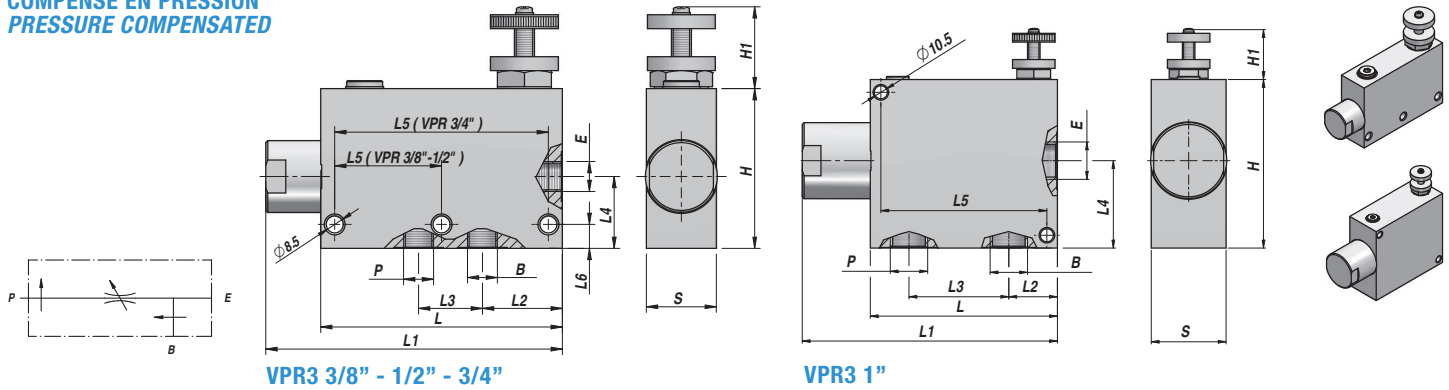
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

REGULATEUR DE DEBIT PRIORITAIRE
PRIORITY FLOW CONTROL

VPR 3

COMPENSE EN PRESSION
PRESSURE COMPENSATED



REGLABLE - ADJUSTABLE
EXCEDENT EN PRESSION - EXCEEDING FLOW TO PRESSURE

Code Code	E - P - B BSP	Q MAX l/min In (E)/Reg (P)	P MAX bar	Type Type	L	L1	L2	L3	L4	L5	L6	H1	H	S	kg
V3490.1060	3/8"	60 / 50	350	VPR 3 3/8"	121	147	40	32	36	55	12	35	80	35	2,53
V3490.1070	1/2"	80 / 60	350	VPR 3 1/2"	121	147	37	36	36	55	12	35	80	35	2,47
V3490.1080	3/4"	120/100	350	VPR 3 3/4"	155	187	50	44	37	115	10	35	90	50	4,95
V3490.1090	1"	200/170	350	VPR 3 1"	155	187	46	58	47	115	12	35	100	50	5,27

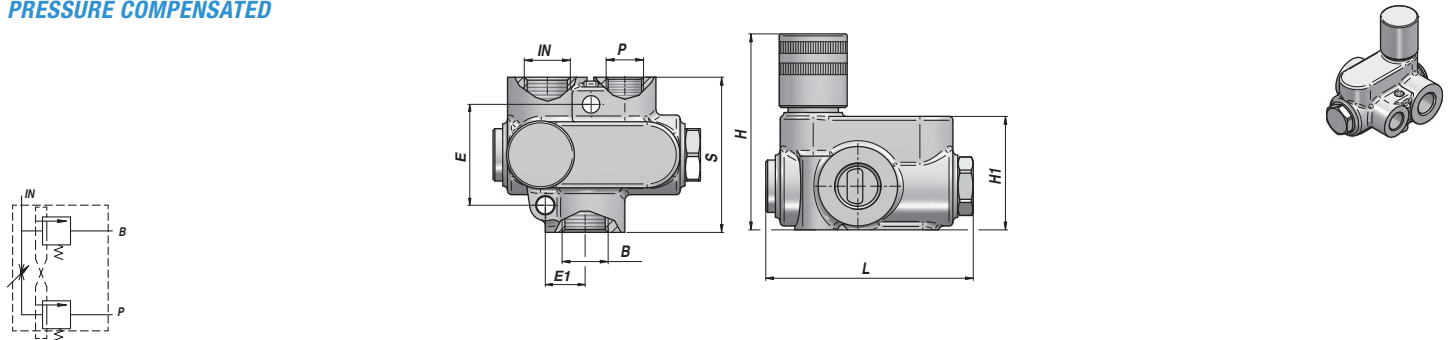
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

REGULATEUR DE DEBIT PRIORITAIRE
PRIORITY FLOW CONTROL

RFP .. G

COMPENSE EN PRESSION
PRESSURE COMPENSATED



REGLABLE - ADJUSTABLE
EXCEDENT EN PRESSION - EXCEEDING FLOW TO PRESSURE

Code Code	IN - B BSP	P BSP	Q MAX l/min IN	Q MAX l/min P	P MAX bar	Type Type	L	E	E1	H1	H	S	kg
V6215.0320	1/2"	3/8"	40	40	250	RFP 40 G	92	46	22.5	54	98	65	1,27
V6215.0322	3/4"	1/2"	80	80	250	RFP 70 G	110	52	24.5	59	103	80	1,77

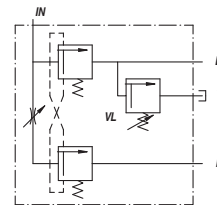
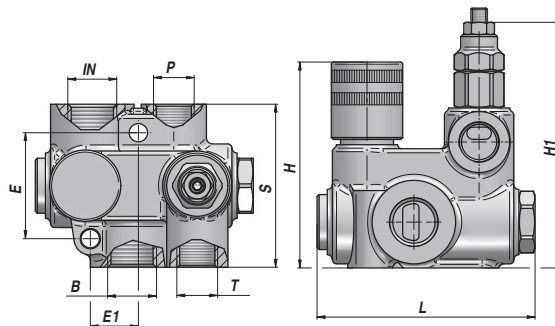
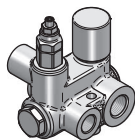
MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

MONTAGE EN LIGNE
LINE MOUNTING

RFPV .. G

REGULATEUR DE DEBIT PRIORITAIRE PRIORITY FLOW CONTROL

COMPENSE EN PRESSION
PRESSURE COMPENSATED



REGLABLE - ADJUSTABLE
EXCEDENT EN PRESSION - EXCEEDING FLOW TO PRESSURE

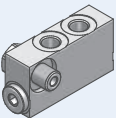
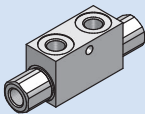
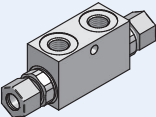
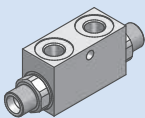
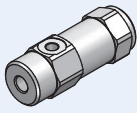
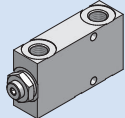
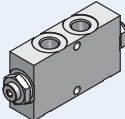
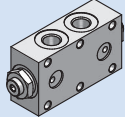
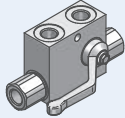
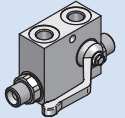
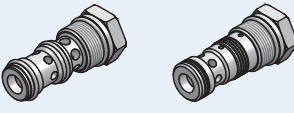
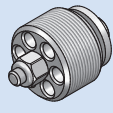
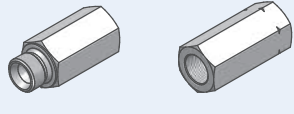
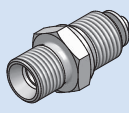
Code Code	IN - B BSP	P - T BSP	Q MAX l/min IN	Q MAX l/min P	P MAX bar	Type Type	L	E	E1	H1	H	S	kg
V6215.0321 **	1/2"	3/8"	40	40	250	RFPV 40 GU	92	46	22.5	105	98	65	1,54
V6215.0323	3/4"	1/2"	80	80	250	RFPV 70 GU	110	52	24.5	125	103	80	2,04

RESSORT - SPRING : X= 10:100 bar - U= 50:230 bar (Standard) - K= 100:250 bar

** = SUR DEMANDE - ON REQUEST

MATERIEL CORPS	: FONTE	MONTAGE EN LIGNE
BODY MATERIAL	: CAST IRON	LINE MOUNTING

CLAPETS ANTI-RETOUR PILOTES PILOT OPERATED CHECK VALVES

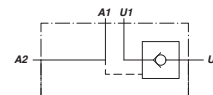
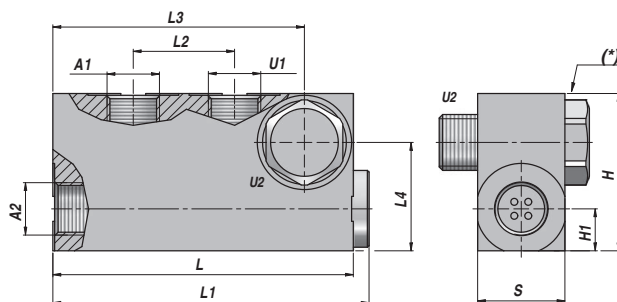
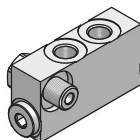
	Description - Description	Type	Page
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VRSE...CIL VRDE...CIL	228
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VRSE-F...FF VRDE-F...FF	229
	CLAPET ANTI-RETOUR PILOTE DIN 2353 - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE DIN 2353 - (POPPET TYPE)	VRSE-A...FF VRDE-A...FF	230
	CLAPET ANTI-RETOUR PILOTE DIN 2353 - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE DIN 2353 - (POPPET TYPE)	VRSE-AZ...FF VRDE-AZ...FF	231
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VBPS	232
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VBPSE A	232
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VPDE	233
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VPDE/F	233
	CLAPET ANTI-RETOUR PILOTE + BY PASS - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE + BY PASS (POPPET TYPE)	VRPSE	234
	CLAPET ANTI-RETOUR PILOTE DIN 2353 + BY PASS - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE DIN 2353 + BY PASS (POPPET TYPE)	VRPSE-DIN	234
	CLAPET ANTI-RETOUR PILOTE - (ETANCHEITE PAR CONE) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VRPC VCP	235
	VALVE PARACHUTE HOSE BURST VALVE	VUBA	236
	RACCORD POUR VALVE "VUBA" "VUBA" VALVE ADAPTER	CMF x VUBA CFF x VUBA	237
	VALVE PARACHUTE DIN 2353 HOSE BURST VALVE DIN 2353	VUBA DIN	237

CLAPETS ANTI-RETOUR PILOTES - PILOT OPERATED CHECK VALVES

VRSE...CIL

SIMPLE EFFET
SINGLE ACTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	H1	H	S	kg
VSG325.B10450	1/4"	1/4"	20	300	1:4.9	VRSE 010 CIL	84	88.5	24	68.5	27	10	40	20	0,45
VSG325.B20490	3/8"	3/8"	20	300	1:4.9	VRSE 020 CIL	86	90.5	26	72.0	31	12	45	25	0,65

Pression d'ouverture - Opening pressure : 1 bar

(*) = Couple de serrage - Tightening torque

VRSE 010 CIL 1/4" = 40 Nm - VRSE 010 CIL 3/8" = 55 Nm

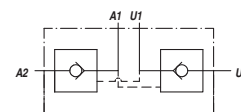
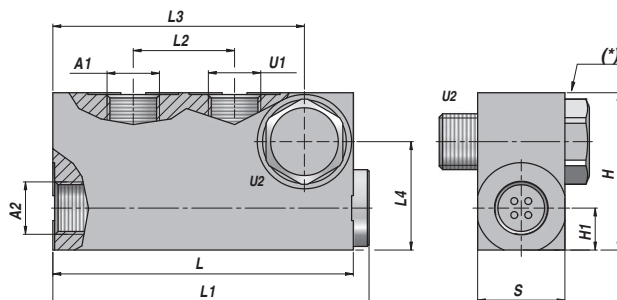
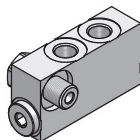
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

VRDE...CIL

DOUBLE EFFET
DOUBLE ACTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	H1	H	S	kg
VSG326.B10450	1/4"	1/4"	20	300	1:4.9	VRDE 010 CIL	84	88.5	24	68.5	27	10	40	20	0,45
VSG326.B20490	3/8"	3/8"	20	300	1:4.9	VRDE 020 CIL	86	90.5	26	72.0	31	12	45	25	0,65

Pression d'ouverture - Opening pressure : 1 bar

(*) = Couple de serrage - Tightening torque

VRDE 010 CIL 1/4" = 40 Nm - VRDE 010 CIL 3/8" = 55 Nm

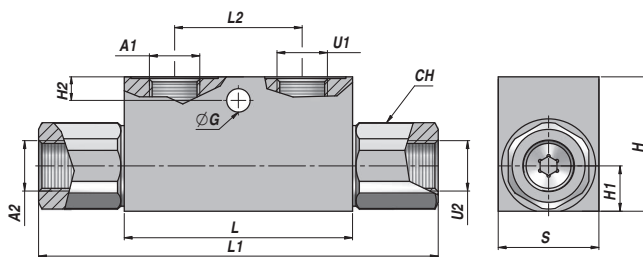
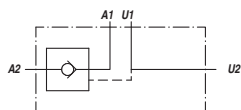
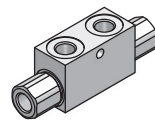
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)

SIMPLE EFFET
SINGLE ACTING

VRSE-F ...FF



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	H1	H2	ØG	CH	H	S	kg
VSG311.F00404	1/8"	1/8"	20	350	1:4.5	VRSE-F 005 FF	53	86	20	11	-	-	17	30	20	0,40
VSG311.F10454	1/4"	1/4"	30	350	1:4.5	VRSE-F 010 FF	68	118	38	13	7	7.0	24	40	30	0,68
VSG311.F15454	3/8"	3/8"	30	350	1:4.5	VRSE-F 015 FF	68	118	38	13	7	7.0	24	40	30	0,63
VSG311.F20404	3/8"	3/8"	50	300	1:4	VRSE-F 020 FF	80	144	40	16	15	8.5	27	50	30	0,97
VSG311.F25404	1/2"	1/2"	50	300	1:4	VRSE-F 025 FF	80	144	40	16	15	8.5	27	50	30	0,90
VSG311.F30404	1/2"	1/2"	80	300	1:4	VRSE-F 030 FF	90	171	40	20	15	8.5	30	60	40	1,69
VSG311.F40404	3/4"	3/4"	120	300	1:4	VRSE-F 040 FF	107	196	60	23	16	8.5	41	70	50	3,06

Pression d'ouverture - Opening pressure : bar 0.5 - 4 (standard) - 8

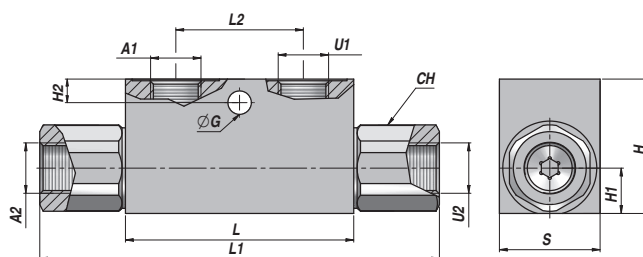
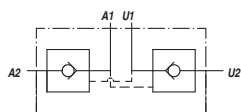
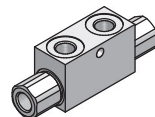
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)

DOUBLE EFFET
DOUBLE ACTING

VRDE-F ...FF



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	H1	H2	ØG	CH	H	S	kg
VSG312.F00404	1/8"	1/8"	20	350	1:4.5	VRDE-F 005 FF	53	86	20	11	-	-	17	30	20	0,40
VSG312.F10454	1/4"	1/4"	30	350	1:4.5	VRDE-F 010 FF	68	118	38	13	7	7.0	24	40	30	0,69
VSG312.F15454	3/8"	3/8"	30	350	1:4.5	VRDE-F 015 FF	68	118	38	13	7	7.0	24	40	30	0,64
VSG312.F20404	3/8"	3/8"	50	300	1:4	VRDE-F 020 FF	80	144	40	16	15	8.5	27	50	30	0,98
VSG312.F25404	1/2"	1/2"	50	300	1:4	VRDE-F 025 FF	80	144	40	16	15	8.5	27	50	30	0,91
VSG312.F30404	1/2"	1/2"	80	300	1:4	VRDE-F 030 FF	90	171	40	20	15	8.5	30	60	40	1,72
VSG312.F40404	3/4"	3/4"	120	300	1:4	VRDE-F 040 FF	107	196	60	23	16	8.5	41	70	50	3,11

Pression d'ouverture - Opening pressure : bar 0.5 - 4 (standard) - 8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

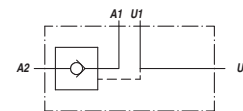
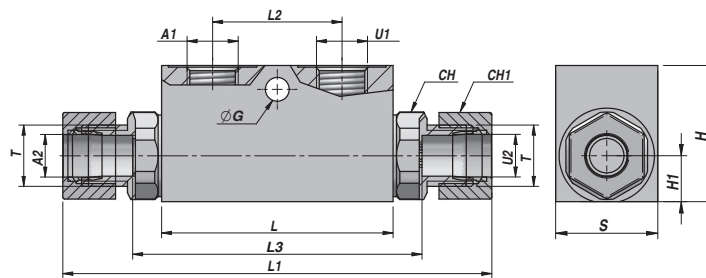
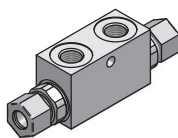
MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPETS ANTI-RETOUR PILOTES - PILOT OPERATED CHECK VALVES

VRSE-A...FF

SIMPLE EFFET
SINGLE ACTING

CLAPET ANTI-RETOUR PILOTE DIN 2353 (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)



AVEC ECROU ET BAGUE DE SERRAGE
WITH NUT AND CUTTING RING

Code Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	H1	H2	ØG	CH	CH1	H	S	kg
VSG323.F05454	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRSE-A 005 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,64
VSG323.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRSE-A 010 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,67
VSG323.F14454	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRSE-A 014 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,63
VSG323.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRSE-A 015 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,66
VSG323.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRSE-A 020 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,97
VSG323.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRSE-A 025 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,91
VSG323.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRSE-A 030 FF	90	180	40	133	20	15	8.5	30	32	60	40	1,67

Pression d'ouverture - Opening pressure : bar 0.5 - 4 (standard) - 8

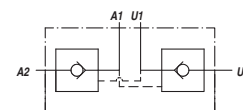
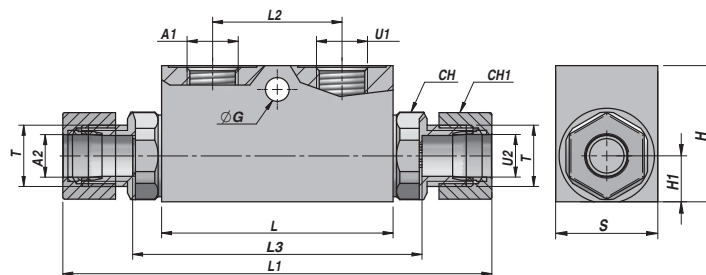
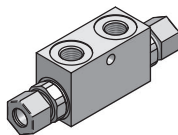
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

VRDE-A...FF

DOUBLE EFFET
DOUBLE ACTING

CLAPET ANTI-RETOUR PILOTE DIN 2353 (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)



AVEC ECROU ET BAGUE DE SERRAGE
WITH NUT AND CUTTING RING

Code Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	H1	H2	ØG	CH	CH1	H	S	kg
VSG324.F05454	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRDE-A 005 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,64
VSG324.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRDE-A 010 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,67
VSG324.F14454	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRDE-A 014 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,63
VSG324.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRDE-A 015 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,66
VSG324.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRDE-A 020 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,97
VSG324.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRDE-A 025 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,91
VSG324.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRDE-A 030 FF	90	180	40	133	20	15	8.5	30	32	60	40	1,67

Pression d'ouverture - Opening pressure : bar 0.5 - 4 (standard) - 8

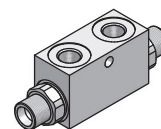
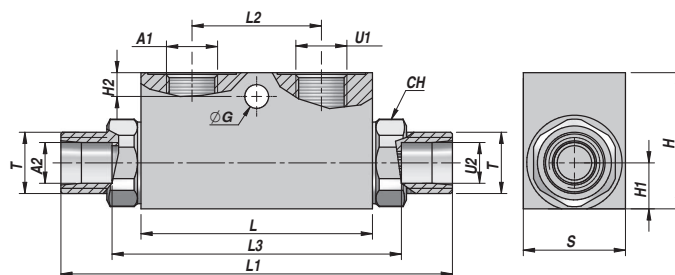
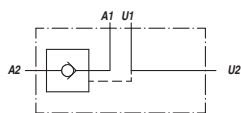
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPET ANTI-RETOUR PILOTE DIN 2353 (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)

SIMPLE EFFET
SINGLE ACTING

VRSE-AZ...FF



SANS ECROU ET BAGUE DE SERRAGE
WITHOUT NUT AND CUTTING RING

Code Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	H1	H2	ØG	CH	H	S	kg
VSG321.F05454	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRSE-AZ 005 FF	68	115	38	86	13	7	7.0	24	40	30	0,59
VSG321.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRSE-AZ 010 FF	68	115	38	86	13	7	7.0	24	40	30	0,62
VSG321.F14454	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRSE-AZ 014 FF	68	115	38	86	13	7	7.0	24	40	30	0,58
VSG321.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRSE-AZ 015 FF	68	115	38	86	13	7	7.0	24	40	30	0,61
VSG321.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRSE-AZ 020 FF	80	140	40	108	16	15	8.5	27	50	30	0,88
VSG321.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRSE-AZ 025 FF	80	140	40	108	16	15	8.5	27	50	30	0,82
VSG321.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRSE-AZ 030 FF	90	152	40	133	20	15	8.5	30	60	40	1,54

Pression d'ouverture - Opening pressure : bar 0,5 - 4 (standard) - 8

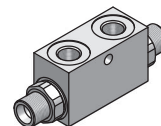
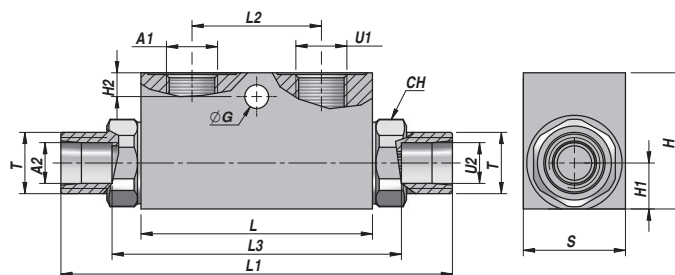
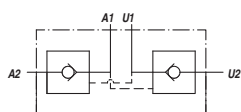
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPET ANTI-RETOUR PILOTE DIN 2353 (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)

DOUBLE EFFET
DOUBLE ACTING

VRDE-AZ...FF



SANS ECROU ET BAGUE DE SERRAGE
WITHOUT NUT AND CUTTING RING

Code Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	H1	H2	ØG	CH	H	S	kg
VSG322.F05454	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRDE-AZ 005 FF	68	115	38	86	13	7	7.0	24	40	30	0,59
VSG322.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRDE-AZ 010 FF	68	115	38	86	13	7	7.0	24	40	30	0,62
VSG322.F14454	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRDE-AZ 014 FF	68	115	38	86	13	7	7.0	24	40	30	0,58
VSG322.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRDE-AZ 015 FF	68	115	38	86	13	7	7.0	24	40	30	0,61
VSG322.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRDE-AZ 020 FF	80	140	40	108	16	15	8.5	27	50	30	0,88
VSG322.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRDE-AZ 025 FF	80	140	40	108	16	15	8.5	27	50	30	0,82
VSG322.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRDE-AZ 030 FF	90	152	40	133	20	15	8.5	30	60	40	1,54

Pression d'ouverture - Opening pressure : bar 0,5 - 4 (standard) - 8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

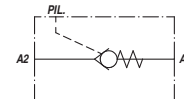
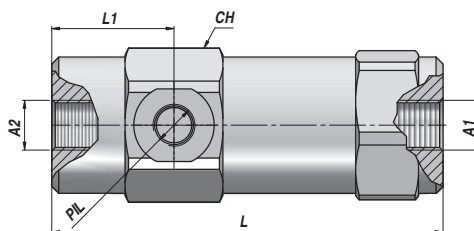
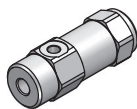
MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPETS ANTI-RETOUR PILOTES - PILOT OPERATED CHECK VALVES

VBPS

SIMPLE EFFET
SINGLE ACTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Code Code	A1 - A2 BSP	PIL BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	CH	kg
VSG341.109500	1/4"	1/4"	25	350	1:9.5	VBPS 010	103.0	32.5	36	0,69
VSG341.206000	3/8"	1/4"	40	350	1:6	VBPS 020	111.0	35.0	40	0,93
VSG341.304300	1/2"	1/4"	60	350	1:4.3	VBPS 030	122.0	38.0	42	1,08
VSG341.404000	3/4"	1/4"	90	300	1:4.4	VBPS 040	145.5	44.5	55	2,32
VSG341.503500	1"	1/4"	130	260	1:3.5	VBPS 050	164.0	44.5	55	2,36

Pression d'ouverture - Opening pressure : bar 1 (standard) - 4 - 8

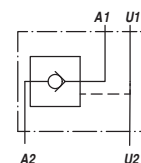
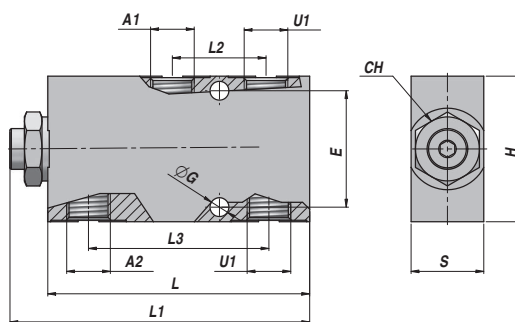
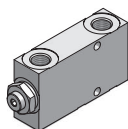
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VBPSE A

SIMPLE EFFET
SINGLE ACTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	ØG	E	H	S	kg
V1790.0274	3/8"	3/8"	30	350	01:08	VBPSE 3/8" A	80	96	33.5	50	8.5	40	60	30	1
V1790.0276	1/2"	1/2"	55	350	01:4.5	VBPSE 1/2" A	105	121	42	70	8.5	40	80	35	2

Pression d'ouverture - Opening pressure : bar 4,5 (VBPSE 3/8" A) - 5,5 (VBPSE 1/2" A)

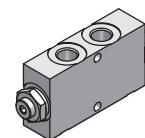
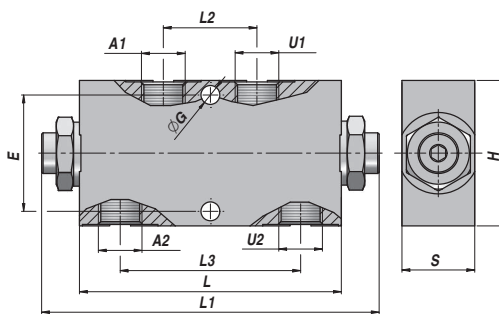
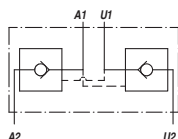
MATERIEL CORPS : ACIER ZINGUÉ
BODY MATERIAL : ZINC-PLATED STEEL

MONTAGE EN LIGNE
LINE MOUNTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)

DOUBLE EFFET
DOUBLE ACTING

VPDE



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	ØG	E	H	S	kg
VSG352.104004 **	1/4"	1/4"	20	350	1:4	VPDE 010	90	113	32	62	6.5	40	50	25	0,79
VSG352.154004 **	3/8"	3/8"	20	350	1:4	VPDE 015	90	113	32	62	6.5	40	50	25	0,76
VAG352.207004 *	3/8"	3/8"	35	210	1:7	VPDE 020	96	113	32	62	6.5	40	60	35	0,62
VAG352.257004 *	1/2"	1/2"	35	210	1:7	VPDE 025	96	113	32	62	6.5	40	60	35	0,60
VAG352.305004 *	1/2"	1/2"	50	210	1:5.2	VPDE 030	117	139	43	84	10.1	40	70	40	1,00

Pression d'ouverture - Opening pressure : bar 0.5 - 4 (standard) - 8

** Etanchéité par sphère - Ball type

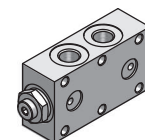
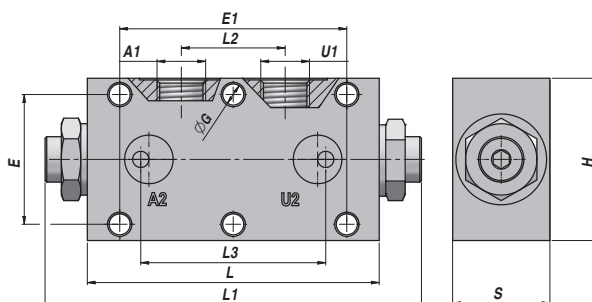
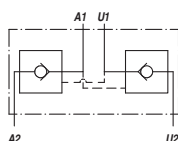
MATERIEL CORPS : ACIER /* = ALUMINIUM
BODY MATERIAL : STEEL /* = ALUMINIUM

MONTAGE EN LIGNE
LINE MOUNTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)

DOUBLE EFFET
DOUBLE ACTING

VPDE/F



Code Code	A1 - U1 BSP	A2 - U2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	ØG	E	E1	H	S	kg
VAG353.104004 **	1/4"	Ø5	20	210	1:4	VPDE-F 010	90	113	32	52	6.5	40	70	50	30	0,43
VAG353.154004 **	3/8"	Ø5	20	210	1:4	VPDE-F 015	90	113	32	52	6.5	40	70	50	30	0,43
VSG353.205187	3/8"	Ø6	30	350	1:5.5	V0187	90	117	32	62	6.5	40	70	60	35	1.34

Pression d'ouverture - Opening pressure : bar 0,5 - 4 (standard) - 8

** Etanchéité par sphère - Ball type

MATERIEL CORPS : ACIER /* = ALUMINIUM
BODY MATERIAL : STEEL /* = ALUMINIUM

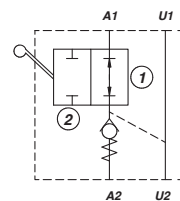
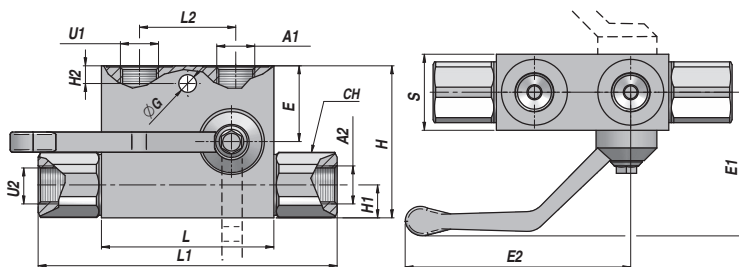
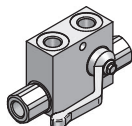
FLASQUABLE
FACE MOUNTING

CLAPETS ANTI-RETOUR PILOTES - PILOT OPERATED CHECK VALVES

VRPSE

**SIMPLE EFFET
SINGLE ACTING**

**CLAPET ANTI-RETOUR PILOTE + BY PASS (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE + BY PASS (POPPET TYPE)**



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	E	E1 max	E2 max	ØG	H2	CH	H1	H	S	kg
Version gauche - Left version																			
VSG331.104504	1/4"	1/4"	25	350	1:4.5	VRPSE 010-FL	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG331.154504	3/8"	3/8"	25	350	1:4.5	VRPSE 015-FL	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG331.204504	3/8"	3/8"	50	300	1:4	VRPSE 020-FL	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG331.254504	1/2"	1/2"	50	300	1:4	VRPSE 025-FL	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12
Version droite - Right version																			
VSG332.104504	1/4"	1/4"	25	350	1:4.5	VRPSE 010-FR	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG332.154504	3/8"	3/8"	25	350	1:4.5	VRPSE 015-FR	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG332.204504	3/8"	3/8"	50	300	1:4	VRPSE 020-FR	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG332.254504	1/2"	1/2"	50	300	1:4	VRPSE 025-FR	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12

Pression d'ouverture - Opening pressure : bar 0,5 - 4 (standard) - 8

SUR DEMANDE - ON REQUEST : "VRPDE..." CLAPET ANTI-RETOUR PILOTE DOUBLE EFFET - DOUBLE EFFECT VALVE

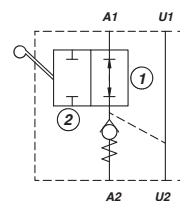
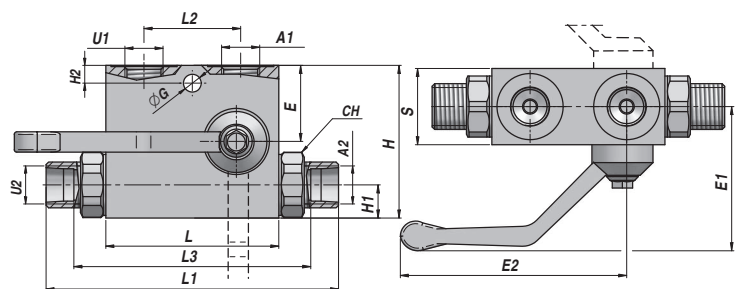
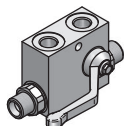
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

VRPSE-DIN

**SIMPLE EFFET
SINGLE ACTING**

**CLAPET ANTI-RETOUR PILOTE DIN 2353 + BY PASS (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE DIN 2353 + BY PASS (POPPET TYPE)**



Code Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	E	E1 max	E2 max	ØG	H2	CH	H1	H	S	kg
Version gauche - Left version																					
VSG333.104504	1/4"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 010-FL	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG333.154504	3/8"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 015-FL	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG333.204504	3/8"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 020-FL	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG333.254504	1/2"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 025-FL	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12
Version droite - Right version																					
VSG334.104504	1/4"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 010-FR	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG334.154504	3/8"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 015-FR	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG334.204504	3/8"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 020-FR	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG334.254504	1/2"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 025-FR	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12

Pression d'ouverture - Opening pressure : bar 0,5 - 4 (standard) - 8

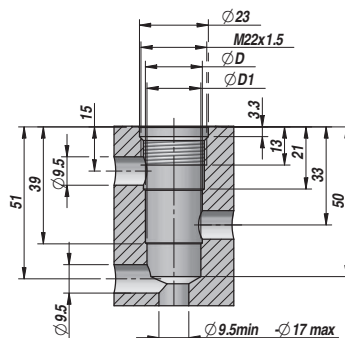
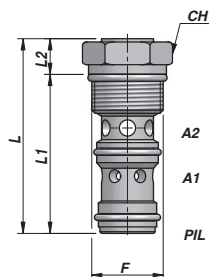
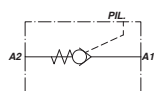
SUR DEMANDE - ON REQUEST : "VRPDE..." CLAPET ANTI-RETOUR PILOTE DOUBLE EFFET - DOUBLE EFFECT VALVE

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)

VRPC



Code Code	F	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	ØD	ØD1	CH	kg
VCM340.063404	M22x1.5	25	320	1:3.4	VRPC 06	57	49	8	19	18	27	0,10

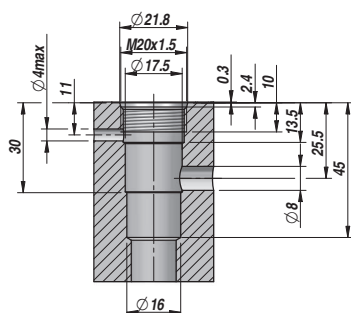
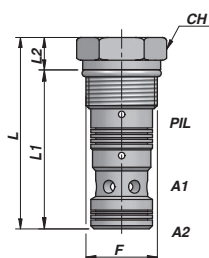
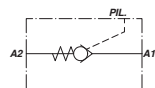
Pression d'ouverture - Opening pressure : 4 bar (standard) - 8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

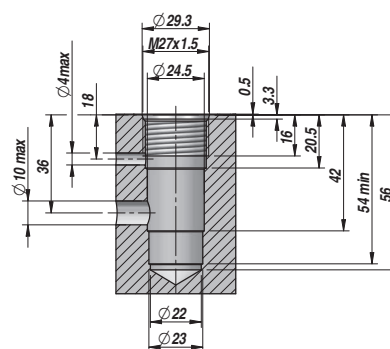
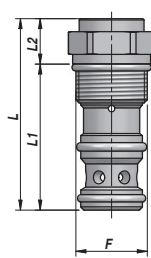
CARTOUCHE
CARTRIDGE

CLAPET ANTI-RETOUR PILOTE (ETANCHEITE PAR CONE)
PILOT OPERATED CHECK VALVE (POPPET TYPE)

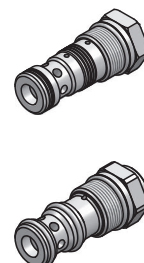
VCP



VCP 03M



VCP 04M



Code Code	F	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	CH	kg
VCM340.033103	M20x1.5	30	350	1:3	VCP 03M	46.3	39.3	7	24	0,08
VCM340.044004	M27x1.5	90	350	1:4	VCP 04M	67.0	49.0	18	32	0,10

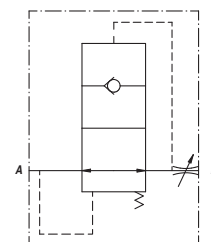
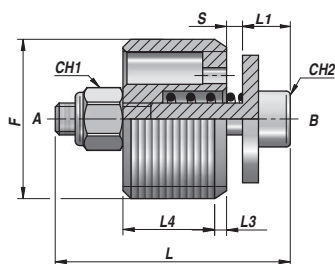
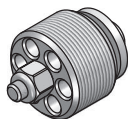
Pression d'ouverture - Opening pressure :

VCP 03M = 3 bar

VCP 04M = 4 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

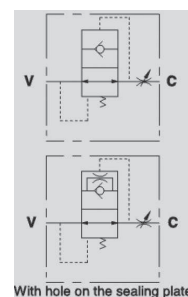
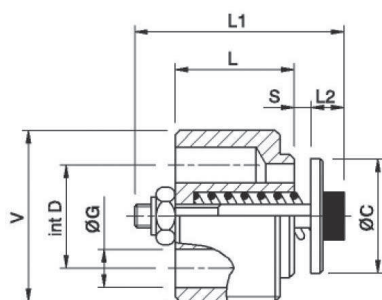
CARTOUCHE
CARTRIDGE

VUBA**VALVE PARACHUTE
HOSE BURST VALVE**

Code Code	F BSP	Q MAX l/min	P MAX bar	S	Q STD l/min	Type Type	L	L1	L3	L4	CH1	CH2	kg x 100
VCG390.100800	1/4"	29	350	0.8	15.5	VUBA 010 - 0.8	19	5.0	1.0	7.0	5.5	2.5	1,00
VCG390.201500	3/8"	45	350	1.5	35.5	VUBA 020 - 1.5	23	5.0	1.5	9.5	5.5	2.5	1,50
VCG390.301800	1/2"	67	350	1.9	60.0	VUBA 030 - 1.9	29	6.0	1.5	11.5	7.0	3.0	2,50
VCG390.402200	3/4"	169	350	2.2	149.0	VUBA 040 - 2.2	34	6.0	2.5	15.5	7.0	3.0	4,50
VCG390.502600	1"	223	350	2.6	190.0	VUBA 050 - 2.6	40	8.5	1.5	18.5	8.0	4.0	9,80

S = OVERTURE STANDARD - STANDARD OPENING

SURFACES CORPS TRAITEES - LAPPED TIGHT SURFACES

MATERIEL CORPS : ACIER
BODY MATERIAL : STEELCARTOUCHE
CARTRIDGE**VUBA****VALVE PARACHUTE
HOSE BURST VALVE**

Code Code	V BSP	Q MAX l/min	P MAX bar	S	Type Type	L	L1	L2	ØC	ØG	ØD(I)	kg x 100
V1601.0400	1/4"	20	350	1.0	V0770	8	18	5	9.5	2.5	8	0,6
V1601.0600	3/8"	50	350	1.2	V0780	10.5	23	5	12.5	3.5	10.5	1,2
V1601.0800	1/2"	80	350	1.6	V0790	13	29	5	15	4.5	12.5	2,4
V1601.1200	3/4"	140	350	2.1	V0800	18	34	7	18.5	6	16	4,8
V1601.1600	1"	180	350	2.8	V0810	20	40	8	25	7	19	9,8

S = OVERTURE STANDARD - STANDARD OPENING

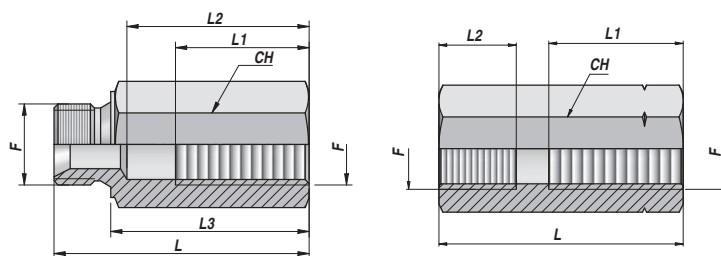
SURFACES CORPS TRAITEES - LAPPED TIGHT SURFACES

MATERIEL CORPS : ACIER
BODY MATERIAL : STEELCARTOUCHE
CARTRIDGE

RACCORD POUR VALVE "VUBA"
"VUBA" VALVE ADAPTER

CMF x VUBA

CFF x VUBA



TYPE CMF

TYPE CFF

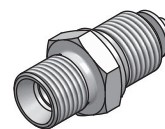
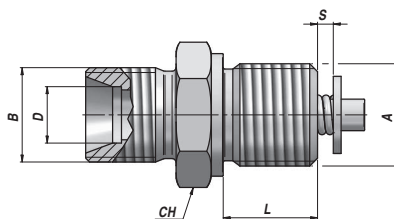
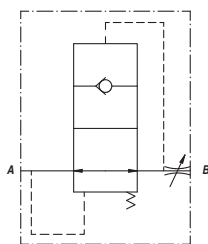
Code Code	F BSP	P MAX bar	Type Type	L	L1	L2	L3	CH	kg x 100
MALE-FEMELLE				MALE-FEMALE					
VCG391.100000	1/4"	350	CMFxVUBA-010	50	23	31	38	19	7,00
VCG391.200000	3/8"	350	CMFxVUBA-020	60	30	43	48	22	9,50
VCG391.300000	1/2"	350	CMFxVUBA-030	63	33	45	49	27	14,70
VCG391.400000	3/4"	300	CMFxVUBA-040	75	36	50	59	32	22,50
VCG391.500000	1"	250	CMFxVUBA-050	88	46	60	70	41	42,50
FEMELLE-FEMELLE				FEMALE-FEMALE					
VCG392.100000	1/4"	350	CFFxVUBA-010	50	20	12	-	19	7,00
VCG392.200000	3/8"	350	CFFxVUBA-020	58	27	14	-	22	9,80
VCG392.300000	1/2"	350	CFFxVUBA-030	60	33	19	-	27	14,50
VCG392.400000	3/4"	300	CFFxVUBA-040	76	36	19	-	32	22,20
VCG392.500000	1"	250	CFFxVUBA-050	85	46	18	-	41	43,50

MATERIEL : ACIER

MATERIAL : STEEL

VALVE PARACHUTE - DIN 2353
HOSE BURST VALVE - DIN 2353

VUBA DIN



Code Code	A BSP	B	Q MAX l/min	P MAX bar	S	Q STD l/min	Type Type	L	D	CH	kg x 100
V1690.0784	3/8"	M16x1.5	50	350	1.2	32	VUBA-DIN 3/8" T10L	11	10	22	6,00
V1690.0786	3/8"	M18x1.5	50	350	1.2	32	VUBA-DIN 3/8" T12L	11	12	22	6,50
V1690.0787	3/8"	M22x1.5	50	350	1.2	32	VUBA-DIN 3/8" T15L	11	15	24	9,70
V1690.0794	1/2"	M22x1.5	80	350	1.6	54	VUBA-DIN 1/2" T15L	13	15	27	11,50

S = OVERTURE STANDARD - STANDARD OPENING

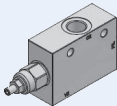
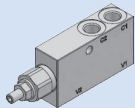
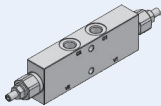
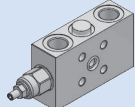
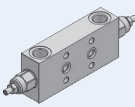
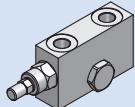
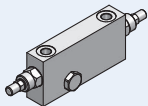
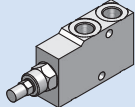
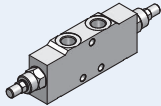
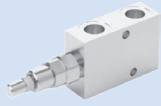
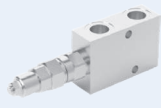
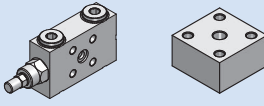
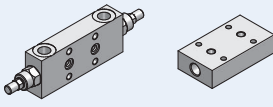
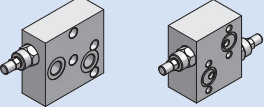
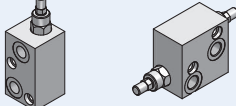
MATERIEL CORPS : ACIER

BODY MATERIAL : STEEL

CARTOUCHE

CARTRIDGE

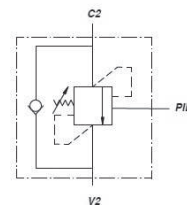
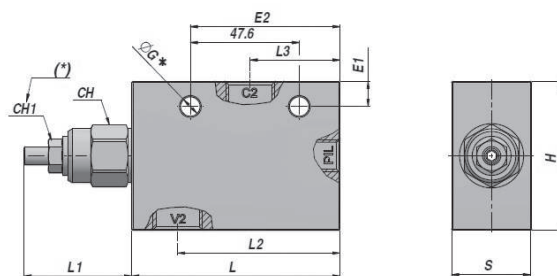
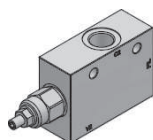
VALVES D'EQUILIBRAGES OVERCENTER VALVES

	Description - Description	Type	Page
	VALVE D'EQUILIBRAGE 3 VOIES 3 WAY OVERCENTER VALVE	VOSLP-N	240
	VALVE D'EQUILIBRAGE OVERCENTER VALVE	VOSL-N	240-241
	VALVE D'EQUILIBRAGE OVERCENTER VALVE	VODL-N	242
	VALVE D'EQUILIBRAGE FLASQUABLE OVERCENTER VALVE FACE MOUNTING	SUR DEMANDE / ON REQUEST	
		VOSL/N F	244
	VALVE D'EQUILIBRAGE FLASQUABLE OVERCENTER VALVE FACE MOUNTING	SUR DEMANDE / ON REQUEST	
		VODL-N F	245
	VALVE D'EQUILIBRAGE MONTAGE SUR VERIN OVERCENTER VALVE CYLINDER MOUNTING	VBCD/A SE-FLV	246
	VALVE D'EQUILIBRAGE MONTAGE SUR VERIN OVERCENTER VALVE CYLINDER MOUNTING	VBCD/A DE-FLV	246
	VALVE D'EQUILIBRAGE OVERCENTER VALVE	VBCD/A SE	247
	VALVE D'EQUILIBRAGE OVERCENTER VALVE	VBCD/A DE	247
	VALVE D'EQUILIBRAGE OVERCENTER VALVE	VBCD SE VBCD DE	248
	VALVE D'EQUILIBRAGE POUR CENTRE FERME OVERCENTER VALVE FOR CLOSED CENTER	VBCD SE CC VBCD DE CC	249
	VALVE D'EQUILIBRAGE FLASQUABLE OVERCENTER VALVE FACE MOUNTING	VBCD/FL SE	250
	VALVE D'EQUILIBRAGE FLASQUABLE OVERCENTER VALVE FACE MOUNTING	VBCD/FL DE	250
	VALVE D'EQUILIBRAGE POUR MOTEURS "MPP-MPR-MCP-MCR" OVERCENTER VALVE FOR "MPP-MPR-MCP-MCR" MOTORS	VBCDF SE (MP-MR) VBCDF DE (MP-MR)	251
	VALVE D'EQUILIBRAGE POUR MOTEURS "MPS-MCS" OVERCENTER VALVE FOR "MPS-MCS" MOTORS	VBCDF SE (MS) VBCDF DE (MS)	252

VOSLP-N

SIMPLE EFFET
SINGLE ACTING

VALVE D'EQUILIBRAGE 3 VOIES
3 WAY OVERCENTER VALVE



Code Code	V2 BSP	C2 BSP	PIL BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	E1	E2	ØG	CH	CH1	H	S	kg
VSG411.2042B0	3/8"	3/8"	1/4"	60	350	1:4	VOSLP/N1116	90	55.5	71	39	7.0	64.4	8.5	24	13	55	30	1,13
VSG411.3042B0	1/2"	1/2"	1/4"	60	350	1:4	VOSLP/N1116	90	55.5	71	39	11.0	64.4	8.5	24	13	65	35	1,53

(*)= CH1 : Couple de serrage - Tightening torque : Max 15 Nm

RESSORT - SPRING : Type "5" 150-350 bar (Réglage standard - Standard setting 280 bar)

SUR DEMANDE - ON REQUEST :

RESSORT - SPRING : Type "3" 50-210 bar (Réglage standard - Standard setting 150 bar)

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

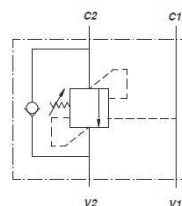
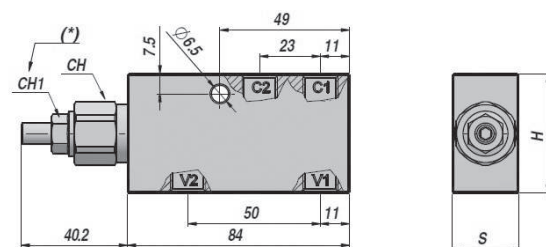
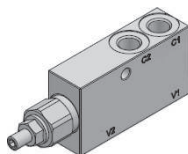
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VOSL-N78

SIMPLE EFFET
SINGLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	CH	CH1	H	S	kg
VSG410.1041B0	1/4"	1/4"	-	40	350	1:4	VOSL/N78	22	13	45	25	0,72

(*)= CH1 : Couple de serrage - Tightening torque : Max 15 Nm

RESSORT - SPRING : Type "5" 100-350 bar (Réglage standard - Standard setting 280 bar)

SUR DEMANDE - ON REQUEST :

RESSORT - SPRING : Type "3" 60-220 bar (Réglage standard - Standard setting 150 bar)

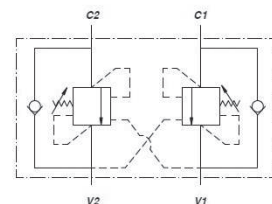
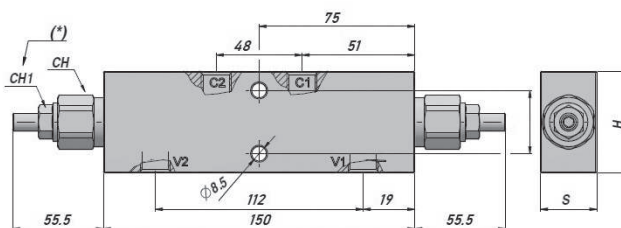
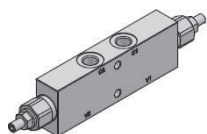
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VODL-N1116

DOUBLE EFFET
DOUBLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	CH	CH1	H	S	kg
VSG412.2042B0	3/8"	3/8"	-	60	350	1:4	VODL/N1116/38	24	13	55	30	1.91
VSG412.3042B0	1/2"	1/2"	-	60	350	1:4	VODL/N1116/12	24	13	65	35	2.55

(*)= CH1 : Couple de serrage - Tightening torque : Max 15 Nm

RESSORT - SPRING : Type "5" 150-350 bar (Réglage standard - Standard setting 280 bar)

SUR DEMANDE - ON REQUEST :

RESSORT - SPRING : Type "3" 50-210 bar (Réglage standard - Standard setting 150 bar)

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

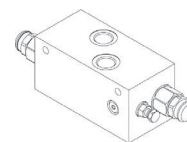
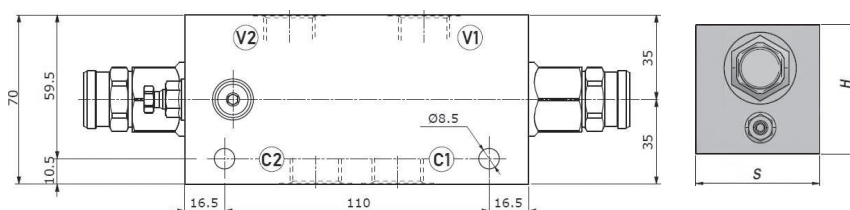
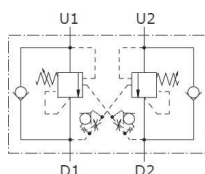
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE D'EQUILIBRAGE OVERCENTER VALVE

DOUBLE EFFET
DOUBLE ACTING

VODL-N1516-CS



Code Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	CH	CH1	H	S	kg
VSG412.4040B0	3/4"	3/4"	-	160	350	1:4	VODL/N1516/CS	27	24	70	70	5.3

(*)= CH1 : Couple de serrage - Tightening torque : Max 15 Nm

RESSORT - SPRING : Type "5" 150-350 bar (Réglage standard - Standard setting 280 bar)

SUR DEMANDE - ON REQUEST :

RESSORT - SPRING : Type "3" 100-210 bar (Réglage standard - Standard setting 150 bar)

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

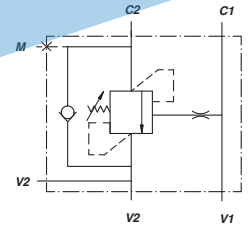
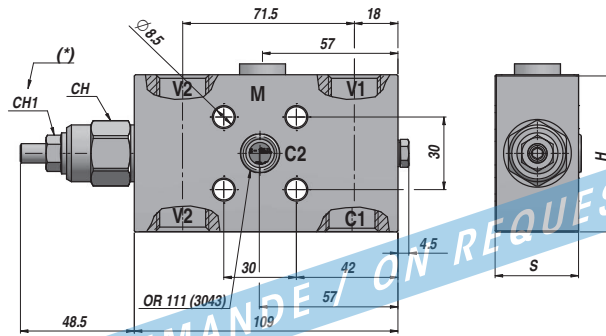
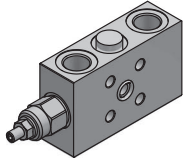
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VOSL-N1116

SIMPLE EFFET SINGLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1-V2 BSP	C1 BSP	C2	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	CH	CH1	H	S	kg
V515022106	3/8"	3/8"	ø8.5	1/4"	60	350	1:4	VOSL/N1116/38F1/G5.p4/ac	24	13	55	29.5	1,30
V515032106	1/2"	1/2"	ø8.5	1/4"	60	350	1:4	VOSL/N1116/12F1/G5.p4/ac	24	13	65	34.5	1,75

(*)= CH1 : Couple de serrage - *Tightening torque* : Max 15 Nm

RESSORT - SPRING: Type "G5" 50-350 bar (Réglage standard - *Standard setting* 350 bar)

SUR DEMANDE - ON REQUEST :

RESSORT - SPRING: Type "G3" 5-210 bar (Réglage standard - *Standard setting* 150 bar)

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

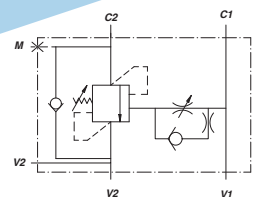
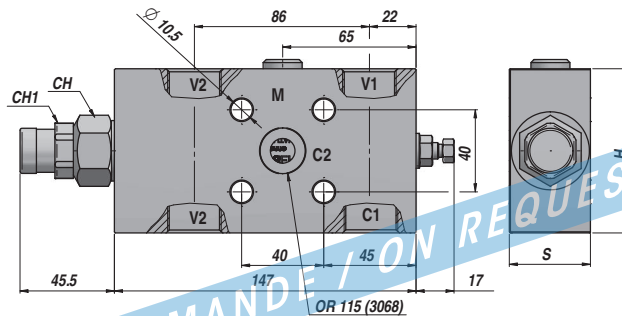
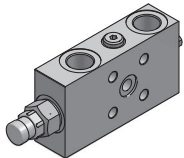
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VOSL-N1516

SIMPLE EFFET SINGLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE

[illegible]RESSORT - SPRING: Type "G7" 150-400 bar (Réglage standard - *Standard setting* 350 bar)

SUR DEMANDE - ON REQUEST:

RESSORT - SPRING: Type "G3" 5-210 bar (Réglage standard - *Standard setting* 150 bar)

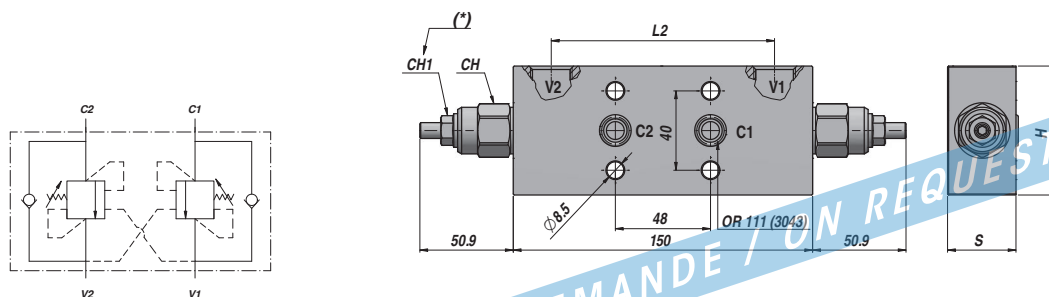
RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVEDOUBLE EFFET
DOUBLE ACTING

VODL-N1116



Code Code	V1-V2 BSP	C1-C2	M	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L2	CH	CH1	H	S	kg
V555122106	3/8"	Ø8.5	-	60	350	1:4	VODL/N1116/38F2/G5.p4/ac	112	24	13	55.0	29.5	1,80
V555132107	1/2"	Ø8.5	-	60	350	1:4	VODL/N1116/12F2/G5.p4/ac	112	24	13	65.0	34.5	2,40

(*)= CH1 : Couple de serrage - Tightening torque : Max 15 Nm

RESSORT - SPRING : Type "G5" 50-350 bar (Réglage standard - Standard setting 350 bar)

SUR DEMANDE - ON REQUEST :

RESSORT - SPRING : Type "G3" 5-210 bar (Réglage standard - Standard setting 150 bar)

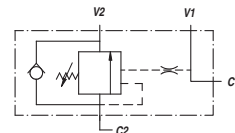
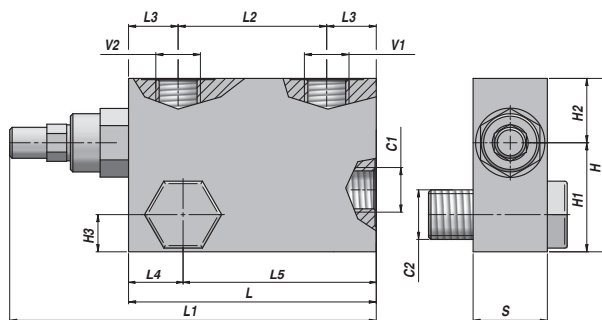
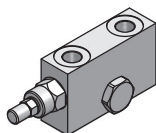
RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEELFLASQUABLE
FACE MOUNTING

VBCD/A SE-FLV

SIMPLE EFFET
SINGLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	H1	H2	H3	H	S	kg
V2190.0392FLV	3/8"	3/8"	40	350	1:4.5	VBCD/A SE-FLV 3/8"	100	150	60	20	22	78	40	30	15	70	30	1,35
V2190.0412FLV	1/2"	1/2"	60	350	1:4.5	VBCD/A SE-FLV 1/2"	100	150	60	20	24	76	40	30	15	70	30	1,31

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

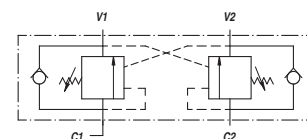
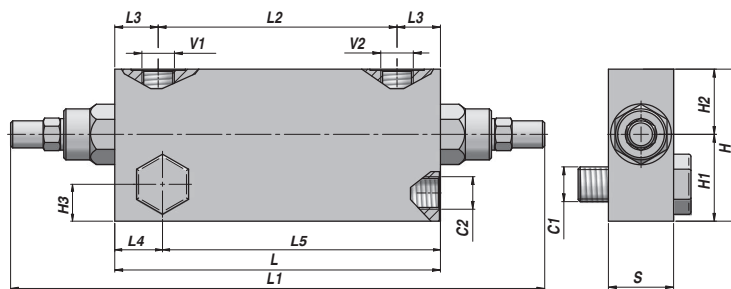
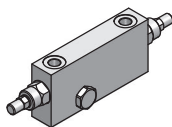
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

VBCD/A DE-FLV

DOUBLE EFFET
DOUBLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	H1	H2	H3	H	S	kg
V2290.0422FLV	3/8"	3/8"	40	350	1:4.5	VBCD/A DE-FLV 3/8"	150	250	110	20	22	128	44	26	17	70	30	2,41
V2290.0432FLV	1/2"	1/2"	60	350	1:4.5	VBCD/A DE-FLV 1/2"	150	250	110	20	24	126	50	30	19	80	30	2,70

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

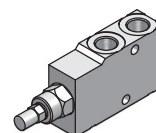
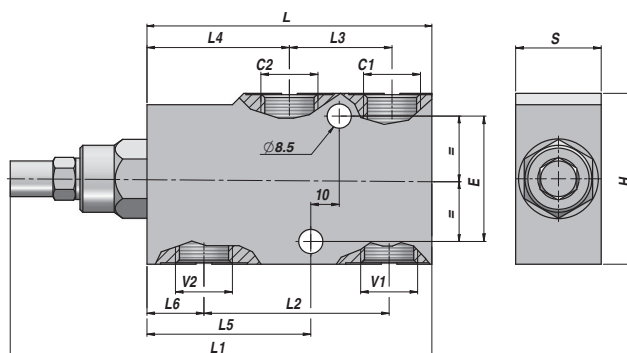
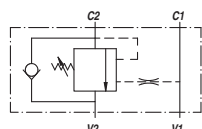
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE SUR VERIN
CYLINDER MOUNTING

VALVE D'EQUILIBRAGE OVERCENTER VALVE

SIMPLE EFFET
SINGLE ACTING

VBCD/A SE



Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	L6	E	H	S	kg
V2190.A400	1/4"	1/4"	20	350	1:4.5	VBCD/A SE 1/4"	76	132	49.0	25	39.0	41.5	20.0	28	55	30	0,97
V2190.A600	3/8"	3/8"	40	350	1:4.5	VBCD/A SE 3/8"	100	149	60.0	30	50.0	55.0	20.0	44	60	30	1,26
V2190.A800	1/2"	1/2"	60	350	1:4.5	VBCD/A SE 1/2"	100	149	65.0	36	50.0	57.5	20.0	44	60	30	1,20
V2190.A120	3/4"	3/4"	95	350	1:5.5	VBCD/A SE 3/4"	127	187	85.0	46	62.5	75.0	23.5	44	80	35	2,37
V2190.A160	1"	1"	160	350	1:5.5	VBCD/A SE 1"	156	213	109.5	70	63.0	75.0	23.5	70	90	50	5,52

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

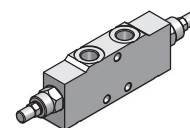
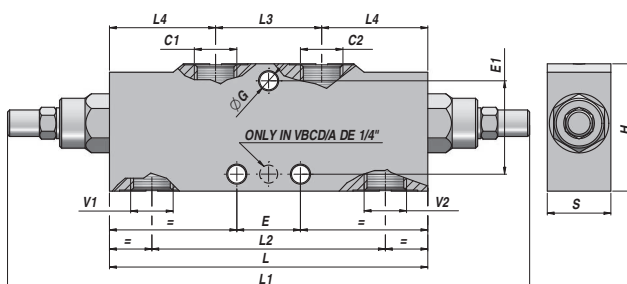
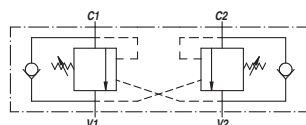
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE D'EQUILIBRAGE OVERCENTER VALVE

DOUBLE EFFET
DOUBLE ACTING

VBCD/A DE



Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V2290.A400	1/4"	1/4"	20	350	1:4.5	VBCD/A DE 1/4"	125	237	94	38	43.5	6.5	-	28	55	30	1,07
V2290.A600	3/8"	3/8"	40	350	1:4.5	VBCD/A DE 3/8"	150	248	110	50	50.0	8.5	30	44	60	30	1,94
V2290.A800	1/2"	1/2"	60	350	1:4.5	VBCD/A DE 1/2"	150	248	110	50	50.0	8.5	30	44	60	30	1,89
V2290.A120	3/4"	3/4"	95	350	1:5.5	VBCD/A DE 3/4"	190	304	143	65	62.5	8.5	44	64	80	35	3,82
V2290.A160	1"	1"	160	350	1:5.5	VBCD/A DE 1"	210	319	158	66	72.0	8.5	190	-	90	50	7,12

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

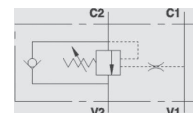
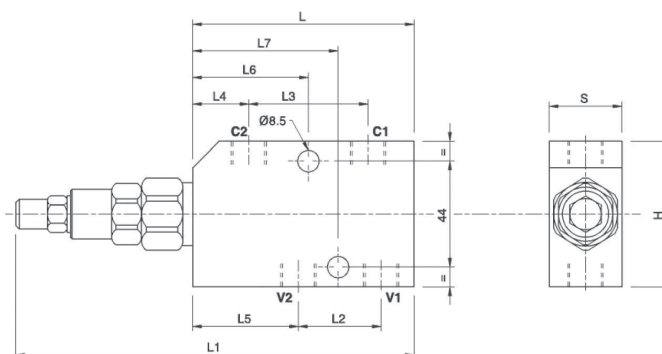
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VBCD SE

SIMPLE EFFET
SINGLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	L6	L7	H	S	kg
V2190.0600	3/8"	3/8"	35	350	1:3.1	VBCD SE 3/8"	90	162	32	48	23	42	48	58	60	30	1.19
V2190.0800	1/2"	1/2"	50	350	1:3.1	VBCD SE 1/2"	90	162	35	48	23	40.5	48	58	60	30	1.13
V2190.1200	3/4"	3/4"	105	350	1:5.5	VBCD SE 3/4"	118	190	47	71	23	47	72.5	72.5	80	35	2.15

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

SUR DEMANDE - ON REQUEST :

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

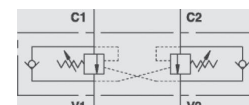
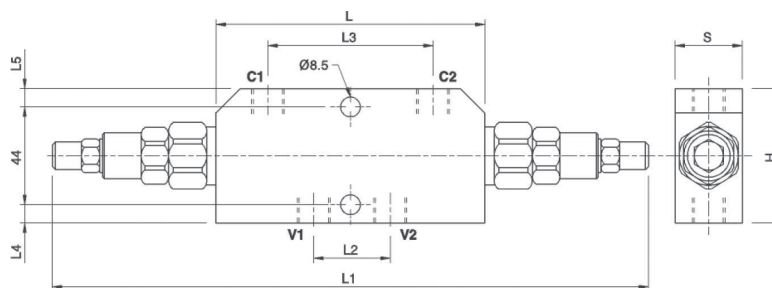
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VBCD DE

DOUBLE EFFET
DOUBLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	H	S	kg
V2290.0600	3/8"	3/8"	35	350	1:3.1	VBCD DE 3/8"	120	264	34	73	8	8	60	30	1.72
V2290.0800	1/2"	1/2"	50	350	1:3.1	VBCD DE 1/2"	120	264	36	73	8	8	60	30	1.69
V2290.1200	3/4"	3/4"	105	350	1:5.5	VBCD DE 3/4"	152	296	58	106	15	21	80	35	3

Réglage standard - Standard setting : 320 bar

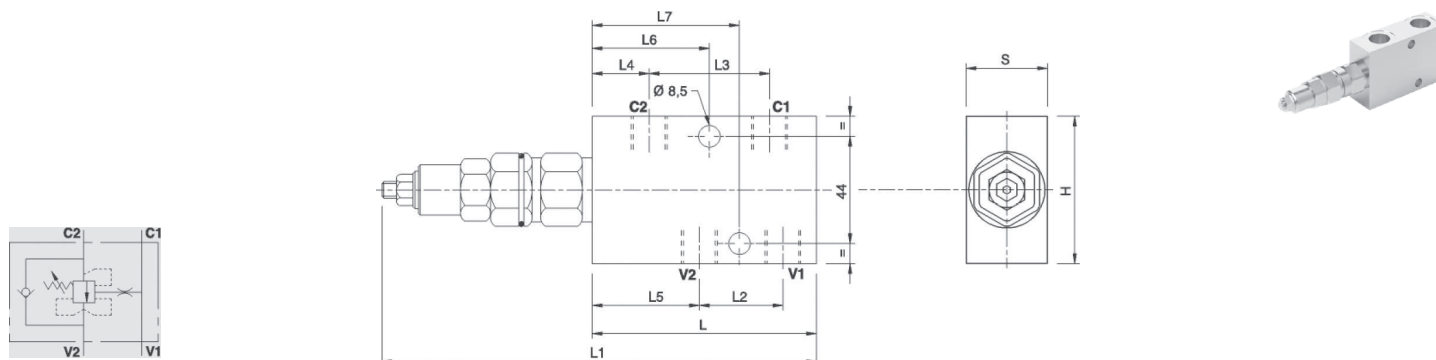
Réglage Minimum - Minimum setting : 200 bar

SUR DEMANDE - ON REQUEST :

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE D'EQUILIBRAGE POUR CENTRE FERME
OVERCENTER VALVE FOR CLOSED CENTER
SIMPLE EFFET
SINGLE ACTING
VBCD SE CC


Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	L6	L7	H	S	kg
V2190.C600	3/8"	3/8"	35	350	1:3.1	VBCD SE CC 3/8"	90	174	32	48	23	42	48	58	60	30	1.23
V2190.C800	1/2"	1/2"	50	350	1:3.1	VBCD SE CC 1/2"	90	174	35	48	23	40.5	48	58	60	30	1.23
V2190.C120	3/4"	3/4"	105	350	1:5.5	VBCD SE CC 3/4"	118	202	47	71	23	47	72.5	72.5	80	35	2.27

Réglage standard - Standard setting : 320 bar

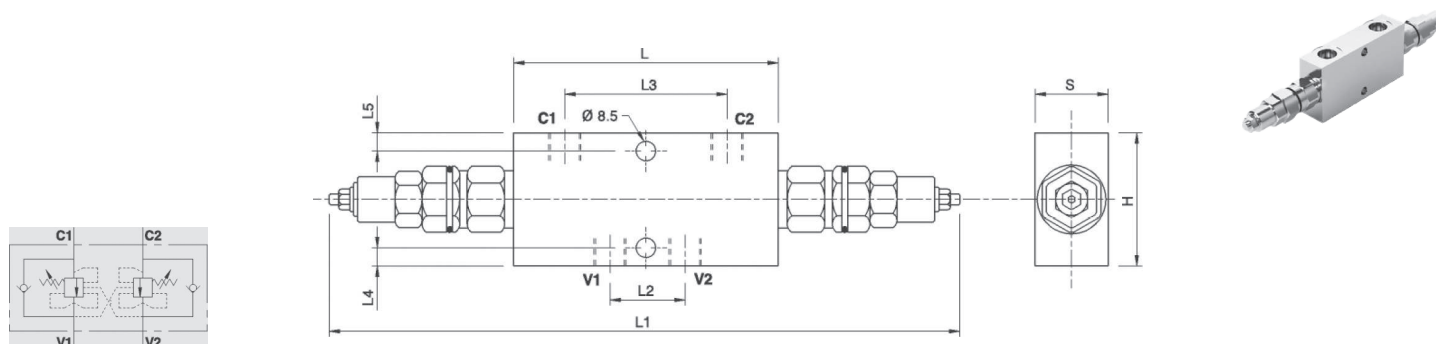
Réglage Minimum - Minimum setting : 200 bar

SUR DEMANDE - ON REQUEST :

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE D'EQUILIBRAGE POUR CENTRE FERME
OVERCENTER VALVE FOR CLOSED CENTER
DOUBLE EFFET
DOUBLE ACTING
VBCD DE CC


Code Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	L3	L4	L5	H	S	kg
V2290.C600	3/8"	3/8"	35	350	1:3.1	VBCD DE CC 3/8"	120	288	34	73	8	8	60	30	1.9
V2290.C800	1/2"	1/2"	50	350	1:3.1	VBCD DE CC 1/2"	120	288	36	73	8	8	60	30	1.85
V2290.C120	3/4"	3/4"	105	350	1:5.5	VBCD DE CC 3/4"	152	320	58	106	15	21	80	35	3.1

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

SUR DEMANDE - ON REQUEST :

RAPPORT DE PILOTAGE - PILOT RATIO : 1:8

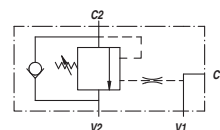
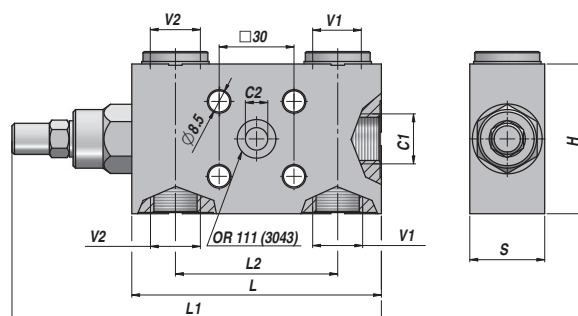
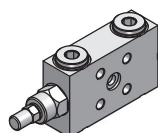
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VBCD/FL SE

SIMPLE EFFET
SINGLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1 - V2 BSP	C1 BSP	C2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	H	S	kg
V2190.B600	3/8"	3/8"	Ø9	40	350	1:4.5	VBCD/FL SE 3/8"	100	149	60	60	30	1,25
V2190.B800	1/2"	1/2"	Ø9	60	350	1:4.5	VBCD/FL SE 1/2"	100	149	65	60	30	1,21

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

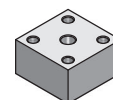
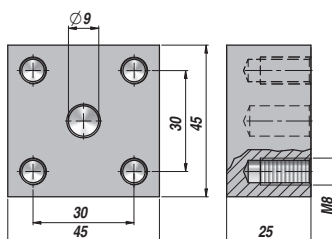
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

Embase pour VBCD...FL/SE - Sub-plate for VBCD...FL/SE

Code Code	Type Type
V9990.8000	B8000 - 45x45x25

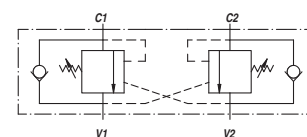
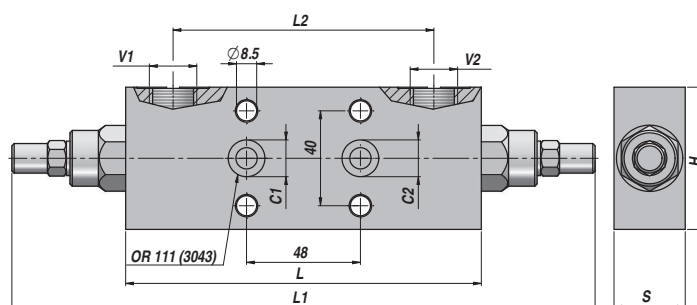
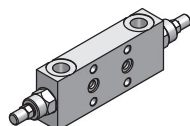
MATERIEL - MATERIAL : ACIER - STEEL



VBCD/FL DE

DOUBLE EFFET
DOUBLE ACTING

VALVE D'EQUILIBRAGE
OVERCENTER VALVE



Code Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	L	L1	L2	H	S	kg
V2290.B600	3/8"	Ø9	40	350	1:4.5	VBCD/FL DE 3/8"	150	248	110	60	30	2,01
V2290.B800	1/2"	Ø9	60	350	1:4.5	VBCD/FL DE 1/2"	150	248	110	60	30	1,98

Réglage standard - Standard setting : 320 bar

Réglage Minimum - Minimum setting : 200 bar

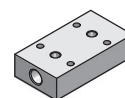
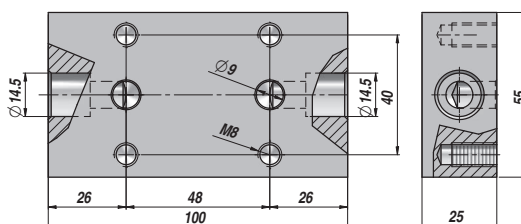
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

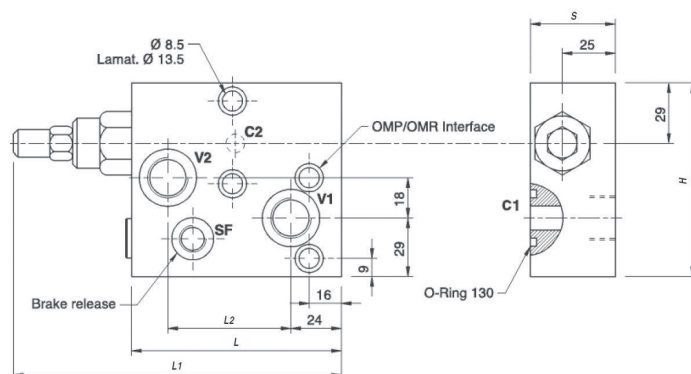
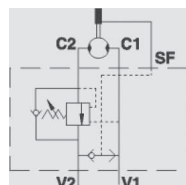
FLASQUABLE
FACE MOUNTING

Embase pour VBCD...FL/DE - Sub-plate for VBCD...FL/DE

Code Code	Type Type
V9990.8500	B8500 - 100x55x25

MATERIEL - MATERIAL : ACIER - STEEL



VALVE D'EQUILIBRAGE POUR MOTEURS MPP-MPR-MCP-MCR
OVERCENTER VALVE FOR "MPP-MRP-MCP-MCR" MOTORS
SIMPLE EFFET
SINGLE ACTING
VBCDF-SE (MP-MR)


Code Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	SF BSP	L	L1	L2	H	S	kg
V2190.F008	1/2"	Ø9	50	350	1:4.5	VBCDF-SE 1/2"-PR	-	100	149	57	94	40	2.69

VBCDF/SF-SE ...AVEC DEBLOCAGE FREIN - WITH BRAKE RELEASE PORT

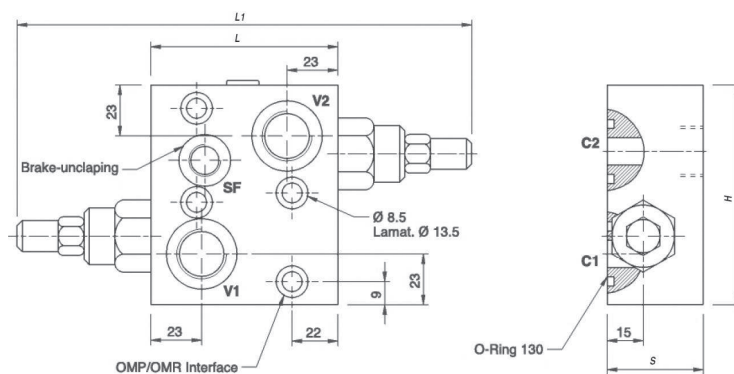
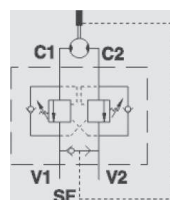
V2190.SF08	1/2"	Ø9	50	350	1:4.5	VBCDF-SE 1/2"-PR SF	1/4"	100	149	57	94	40	2.69
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Réglage standard - Standard setting : 300~ bar

Réglage Minimum - Minimum setting : 200 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VALVE D'EQUILIBRAGE POUR MOTEURS MPP-MPR-MCP-MCR
OVERCENTER VALVE FOR "MPP-MRP-MCP-MCR" MOTORS
DOUBLE EFFET
DOUBLE ACTING
VBCDF-DE (MP-MR)


Code Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	SF BSP	L	L1	L2	H	S	kg
V2290.F008	1/2"	Ø9	50	350	1:4.5	VBCDF-DE 1/2"-PR	-	80	172	-	94	50	2.71

VBCDF/SF-DE ...AVEC DEBLOCAGE FREIN - WITH BRAKE RELEASE PORT

V2290.SF08	1/2"	Ø9	50	350	1:4.5	VBCDF-DE 1/2"-PR SF	1/4"	80	172	-	94	40	2.71
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Réglage standard - Standard setting : 300~ bar

Réglage Minimum - Minimum setting : 200 bar

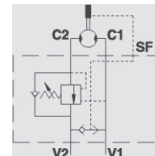
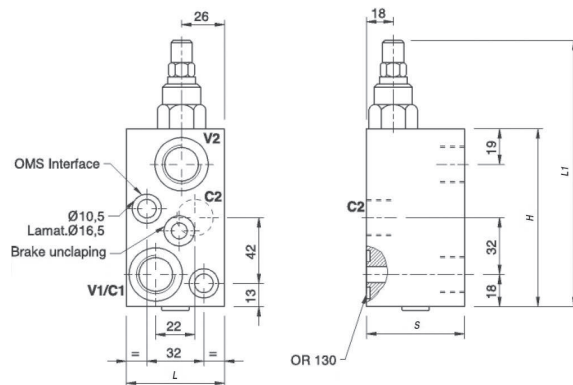
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VBCDF-SE (MS)

SIMPLE EFFET
SINGLE ACTING

VALVE D'EQUILIBRAGE POUR MOTEURS MPS-MCS
OVERCENTER VALVE FOR "MPS-MCS" MOTORS



Code Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	SF BSP	L	L1	L2	H	S	kg
V2190.F416	1/2"	Ø9	50	350	1:4.5	VBCDF-SE 1/2"-S	-	55	148	-	100	55	1.7

VBCDF/SF-SE ...AVEC DEBLOCAGE FREIN - WITH BRAKE RELEASE PORT

V2190.SF416	1/2"	Ø9	50	350	1:4.5	VBCDF-SE 1/2"-S SF	-	55	148	-	100	55	1.7
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Réglage standard - Standard setting : 300~ bar

Réglage Minimum - Minimum setting : 200 bar

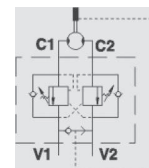
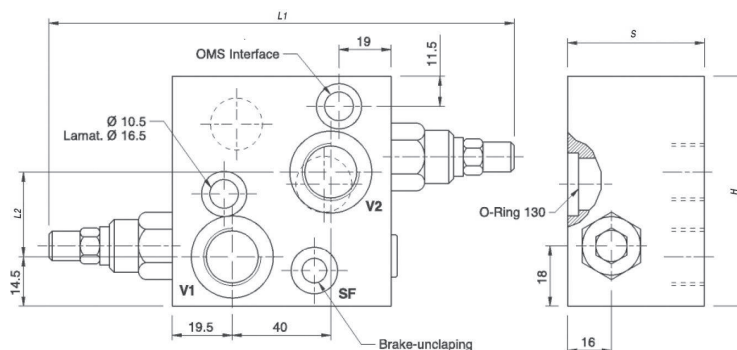
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VBCDF-DE (MS)

DOUBLE EFFET
DOUBLE ACTING

VALVE D'EQUILIBRAGE POUR MOTEURS MPS-MCS
OVERCENTER VALVE FOR "MPS-MCS" MOTORS



Code Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Type Type	SF BSP	L	L1	L2	H	S	kg
V2290.F426	1/2"	Ø9	50	350	1:4.5	VBCDF-DE 1/2"-S	-	-	170	30	80	50	2.15

VBCDF/SF-DE ...AVEC DEBLOCAGE FREIN - WITH BRAKE RELEASE PORT

V2290.SF426	1/2"	Ø9	50	350	1:4.5	VBCDF-DE 1/2"-S SF	1/4"	-	170	30	80	50	2.15
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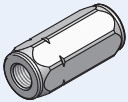
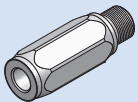
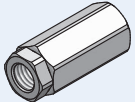
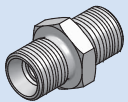
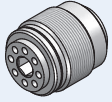
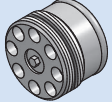
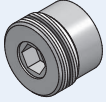
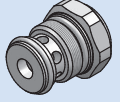
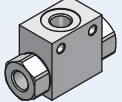
Réglage standard - Standard setting : 300~ bar

Réglage Minimum - Minimum setting : 200 bar

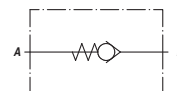
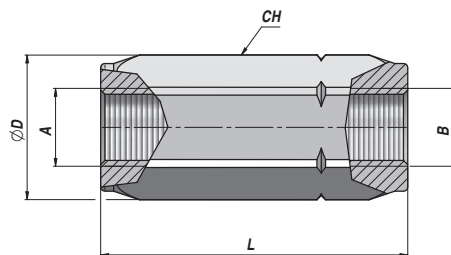
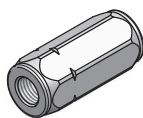
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

CLAPETS ANTI-RETOUR CHECK VALVES

	Description - Description	Type	Page
	CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE) CHECK VALVE (POPPET TYPE)	VUR/C - VU	254
	CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE) CHECK VALVE (POPPET TYPE)	VUR/CMF	254
	VALVE BI-DIRECTIONNELLES (ETANCHEITE PAR CONE) BIDIRECTIONAL CHECK VALVE (POPPET TYPE)	VRC	255
	CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE) CHECK VALVE (POPPET TYPE)	VU MM	255
	CLAPET ANTI-RETOUR (ETANCHEITE PAR SPHERE) CHECK VALVE (BALL TYPE)	VUI	256
	CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE) CHECK VALVE (POPPET TYPE)	VRR	256
	CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE) CHECK VALVE (POPPET TYPE)	VRRi	257
	CLAPET ANTI-RETOUR CHECK VALVE	VUC	257
	VALVE DE COMMUTATION SHUTTLE VALVE	VU/SF	258
	CLAPETS DE RUPTURE DE TUYAU AVEC RÉGLAGE EXTERNE HOSE BURST VALVES WITH EXTERNAL ADJUSTMENT	VUBR	258

VUR/C - VU

CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE)
CHECK VALVE (POPPET TYPE)

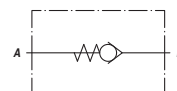
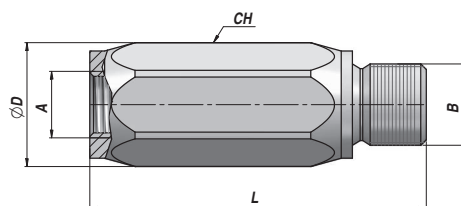
Code Code	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	ØD	CH	kg
VSG303.C10000	1/4"	30	400	VUR 010-C	58	21	19	0,10
VSG303.C20000	3/8"	50	400	VUR 020-C	62	27	24	0,18
VSG303.C30000	1/2"	90	350	VUR 030-C	71	33	30	0,31
VSG303.C40000	3/4"	130	300	VUR 040-C	83	40	36	0,56
VSG303.C50000	1"	180	270	VUR 050-C	106	59	45	0,91
VSG303.C60000	1"1/4	250	250	VUR 060-C	127	63	55	1,48
VSG303.C70000	1"1/2	380	200	VUR 070-C	138	74	65	2,37
V1501.0004	1/4"	20	350	VU 1/4"	62	21	19	0,1
V1501.0006	3/8"	45	350	VU 3/8"	68	26.5	24	0,18
V1501.0008	1/2"	70	350	VU 1/2"	77	34	30	0,32
V1501.0012	3/4"	110	350	VU 3/4"	88	40	36	0,49
V1501.0016	1"	160	350	VU 1"	105	46	41	0,68
V1501.0020	1"1/4	250	300	VU 1"1/4	135	63	55	1,64

Pression d'ouverture - Opening pressure : VUR [bar 0.5 (Standard) -4-8] - VU [bar 0,4/0,7 (Standard) -1-3-5-8]

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VUR/CMF

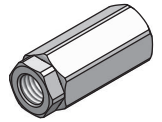
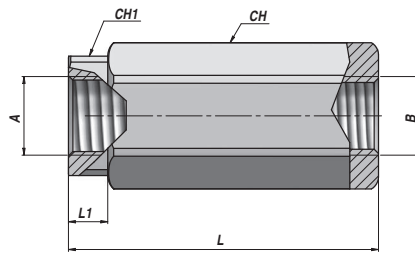
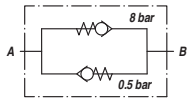
CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE)
CHECK VALVE (POPPET TYPE)

Code Code	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	ØD	CH	kg
VSG305.C10000	1/4"	30	400	VUR 010-CMF	58	21	19	0,10
VSG305.C20000	3/8"	50	400	VUR 020-CMF	62	27	24	0,18
VSG305.C30000	1/2"	90	350	VUR 030-CMF	71	33	30	0,31
VSG305.C40000	3/4"	130	300	VUR 040-CMF	76	40	36	0,56
VSG305.C50000	1"	180	270	VUR 050-CMF	106	59	45	0,91
VSG305.C60000	1"1/4	250	250	VUR 060-CMF	127	63	55	1,48

Pression d'ouverture - Opening pressure : bar 0.5 (Standard) - 4 - 8

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVE BI-DIRECTIONNELLES (ETANCHEITE PAR CONE)
BIDIRECTIONAL CHECK VALVE (POPPET TYPE)
VRC

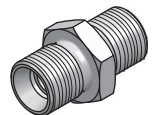
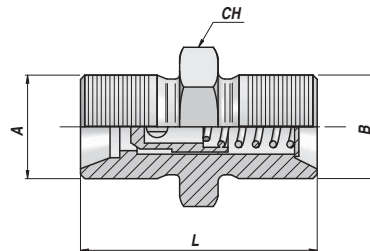
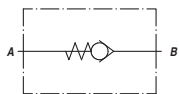
Code Code	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	CH	CH1	kg
V1590.0606	3/8"	35	350	VRC 3/8"	100	11	30	27	0,45
V1590.0616	1/2"	55	350	VRC 1/2"	118	26	30	27	0,45

Pression d'ouverture - Opening pressure : A > B = 0.5 bar

Pression d'ouverture - Opening pressure : B > A = 8 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE)
CHECK VALVE (POPPET TYPE)
VU MM

Code Code	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	CH	kg x 100
V1590.05941	1/4"	8	350	VU MM 1/4"-1	32	19	3,30
V1590.06041	3/8"	20	350	VU MM 3/8"-1	34	22	5,30
V1590.06141	1/2"	50	350	VU MM 1/2"-1	39	27	9,20
V1590.06241	3/4"	90	350	VU MM 3/4"-1	45	32	14,20
V1590.06341	1"	90	320	VU MM 1"-1	55	40	28,80
V1590.06371	1"1/4	250	320	VU MM 1"1/4-1	70	50	59,40
V1590.06381	1"1/2	300	320	VU MM 1"1/2-1	86	55	91,00
V1590.06391	2"	650	320	VU MM 2"-1	102	70	180,00

Pression d'ouverture - Opening pressure : VU MM 1/4" > 1" = bar 1 (Standard) - 3 - 6

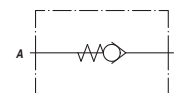
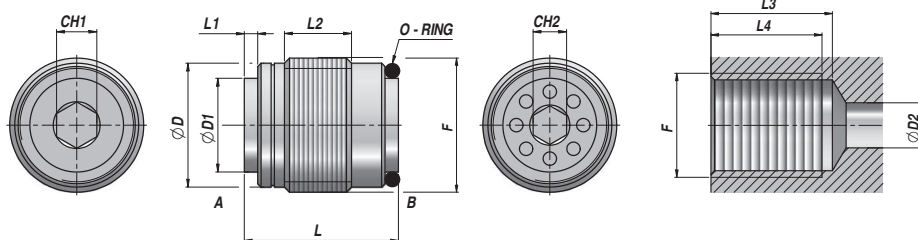
Pression d'ouverture - Opening pressure : VU MM 1"1/4 > 2" = bar 1 (Standard) - 6 - 9

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VUI

CLAPET ANTI-RETOUR (ETANCHEITE PAR SPHERE) CHECK VALVE (BALL TYPE)



Code Code	F BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØD	ØD1	CH1	CH2	L3	L4	ØD2	kg x 100
VCG301.100000	1/4"	18	350	VUI 010	17.0	1.0	6.0	11.3	9.2	3	3	28	25	8	1,00
VCG301.200000	3/8"	25	350	VUI 020	18.5	1.8	7.5	14.8	11.0	4	3	30	27	9	2,00
VCG301.300000	1/2"	50	350	VUI 030	23.0	1.8	9.5	18.5	14.0	6	5	36	32	12	4,00
VCG301.400000	3/4"	78	350	VUI 040	28.5	2.7	14.5	24.0	19.0	8	8	42	37	17	7,00

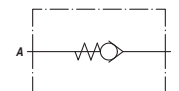
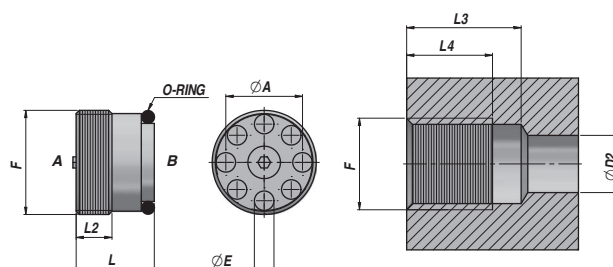
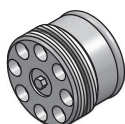
Pression d'ouverture - Opening pressure : bar 0.5

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

CARTOUCHE
CARTRIDGE

VRR

CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE) CHECK VALVE (POPPET TYPE)



Code Code	F BSP	Q MAX l/min	P MAX bar	Type Type	L	L2	ØA	ØE	L3	L4	ØD2	O-ring	kg x 100
VCG302.010000	1/4"	20	350	VRR 010	8.8	4.2	8.8	2.2	23.5	21.0	7	8x1	1,00
VCG302.020000	3/8"	50	350	VRR 020	12.0	7.0	10.8	3.0	26.5	24.0	9	11x1.5	2,00
VCG302.030000	1/2"	80	350	VRR 030	14.8	8.0	13.8	3.5	31.0	27.5	12	14x1.78	3,00

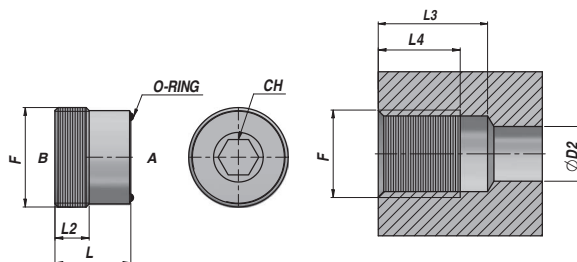
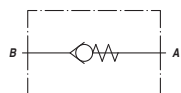
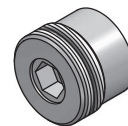
Pression d'ouverture - Opening pressure : bar 0.5

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

CARTOUCHE
CARTRIDGE

CLAPET ANTI-RETOUR (ETANCHEITE PAR CONE)
CHECK VALVE (POPPET TYPE)

VRRRI

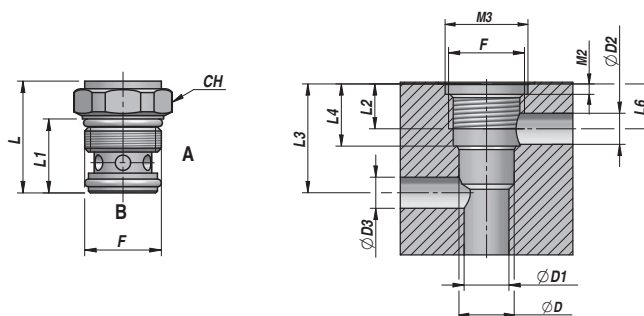
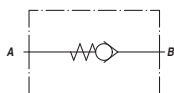


Code Code	F BSP	Q MAX l/min	P MAX bar	Type Type	L	L2	L3	L4	ØD2	CH	O-ring	kg x 100
VCG303.010000	1/4"	20	350	VRRRI 010	10.0	6	24.0	21.5	7	5	9x1	1,00
VCG303.020000	3/8"	50	350	VRRRI 020	11.5	7	25.5	23.0	9	6	10x1.5	2,00
VCG303.030000	1/2"	80	350	VRRRI 030	13.5	8	30.5	28.0	12	8	14.1x1.6	3,00

Pression d'ouverture - Opening pressure : bar 0.5

MATERIEL CORPS : ACIER
BODY MATERIAL : STEELCARTOUCHE
CARTRIDGECLAPET ANTI-RETOUR
CHECK VALVE

VUC



Code Code	F	Q MAX l/min	P MAX bar	Type Type	L	L1	ØD (H7)	L2	L3	L4	L5	L6	ØD1 max	ØD2 max	ØD3	M2	M3	CH	kg x 100
VCS302.200400	3/4-16 UNF	20	350	VUC 020	39.5	27.5	12.7	15	32	20.6	31	13	11	9	9.0	2.7	20.5	22	5,30
VCM302.400050	M22x1.5	40	300	VUC 040	34.5	28.0	19.0	13	33	21.0	32	15	18	9	9.5	3.3	23.0	27	7,50

VUC 020 : ETANCHEITE PAR SPHERE - BALL TYPE

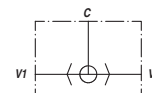
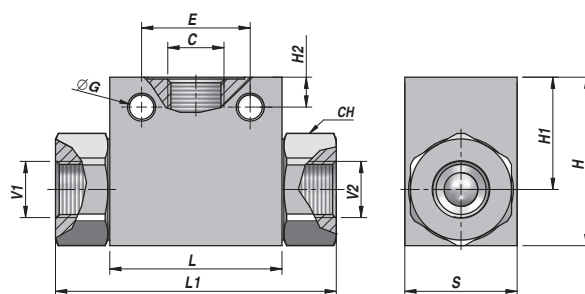
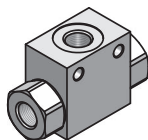
VUC 040 : ETANCHEITE PAR CONE - POPPET TYPE

Pression d'ouverture - Opening pressure : VUC 020: 4 bar - VUC 040: 0.5 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEELCARTOUCHE
CARTRIDGE

VU/SF

VALVE DE COMMUTATION SHUTTLE VALVE



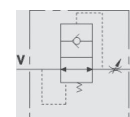
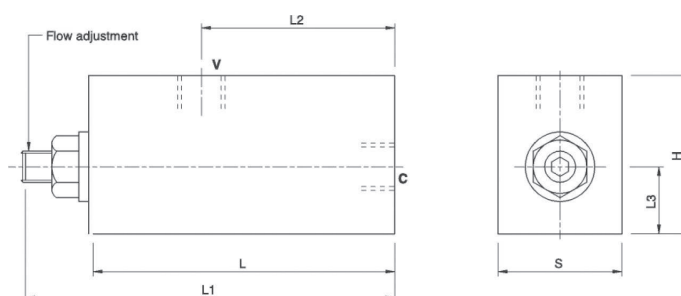
Code Code	C BSP	V1 - V2 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	ØG	E	H2	CH	H1	H	S	kg
VSG390.100000	1/4"	1/4"	35	500	VU/SF 010	36	69	5.5	25	7.5	22	22.5	35	25	0,27
VSG390.200000	3/8"	3/8"	50	500	VU/SF 020	45	75	6.5	29	8.0	27	30.0	45	30	0,46
VSG390.300000	1/2"	1/2"	90	500	VU/SF 030	57	94	5.5	36	9.0	30	32.0	50	35	0,74
VSG390.400000	3/4"	3/4"	140	350	VU/SF 040	65	100	6.5	50	6.5	41	37.5	60	50	1,41
VSG390.500000	1"	1"	180	300	VU/SF 050	80	126	10.5	60	11.0	46	54.5	80	50	1,87

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VUBR

CLAPETS DE RUPTURE DE TUYAU AVEC RÉGLAGE EXTERNE HOSE BURST VALVES WITH EXTERNAL ADJUSTMENT

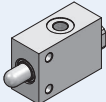
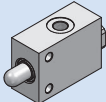
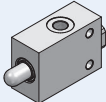
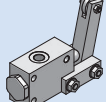
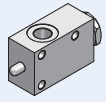
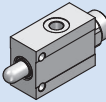
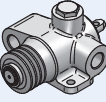
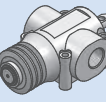
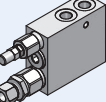
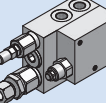
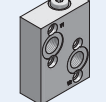
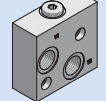
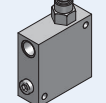


Code Code	V - C BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	H	S	kg
V1690.0785	3/8"	40	300	VUBR 3/8"	76	93	47	16	40	30	0.63
V1690.0795	1/2"	70	300	VUBR 1/2"	76	93	47	16	40	30	0.59

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

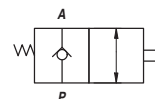
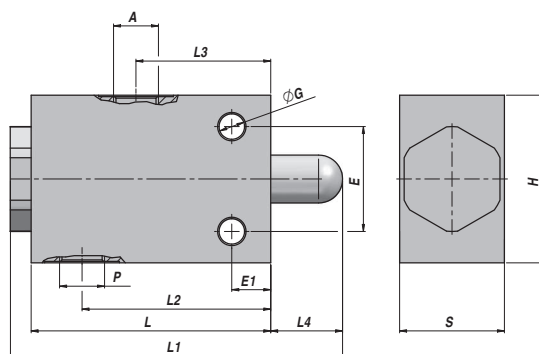
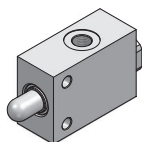
MONTAGE EN LIGNE
LINE MOUNTING

AUTRES VALVES FURTHER VALVES

	Description - Description	Type	Page
	VALVE FIN DE COURSE - NORMALEMENT FERMEE END-STROKE VALVE - NORMALLY CLOSED	FCS-C	260
	VALVE FIN DE COURSE - NORMALEMENT FERMEE END-STROKE VALVE - NORMALLY CLOSED	FC-C	260
	VALVE FIN DE COURSE - NORMALEMENT OUVERTE END-STROKE VALVE - NORMALLY OPEN	FC-A	261
	VALVE FIN DE COURSE CONTACT MECANIQUE - NORMALEMENT FERMEE MECHANICAL DRIVE END-STROKE VALVE - NORMALLY CLOSED	V-FCC..NC	261
	VALVE FIN DE COURSE - NORMALEMENT FERMEE END-STROKE VALVE - NORMALLY CLOSED	FCV...NC	262
	VALVE FIN DE COURSE - NORMALEMENT OUVERTE END-STROKE VALVE - NORMALLY OPEN	FCV...NA	262
	VALVE FIN DE COURSE - NORMALEMENT OUVERTE END-STROKE VALVE - NORMALLY OPEN	FCR-1T NA	263
	VALVE FIN DE COURSE - NORMALEMENT FERMEE END-STROKE VALVE - NORMALLY CLOSED	FCR-2T NC	263
	VALVE BASCULEMENT CHARRUE PLOUGH OVERTURNING VALVE	VRAP DE	264
	VALVE BASCULEMENT CHARRUE PLOUGH OVERTURNING VALVE	VRAP DE + LP	264
	VALVE DEBLOQUAGE FREINS POUR MOTEURS "MP-MR" BRAKE UNCLAMPING VALVE FOR "MP-MR" MOTORS	VSBF-MP/R	265
	VALVE DEBLOQUAGE FREINS POUR MOTEURS "MS" BRAKE UNCLAMPING VALVE FOR "MS" MOTORS	VSBF-MS	265
	VALVE REGENERATRICE DE CIRCUIT REGENERATIVE VALVE	VRSP	266

FCS-C

VALVE FIN DE COURSE - NORMALEMENT FERMÉE
END-STROKE VALVE - NORMALLY CLOSED



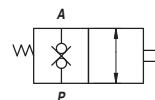
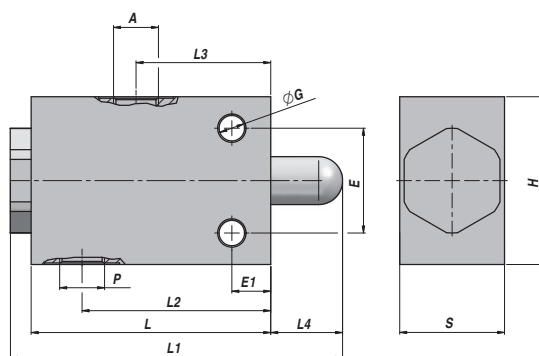
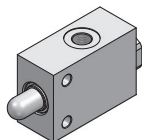
Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
VSG104.020000	3/8"	30	300	FCS-C 020	65	83	43	30	10	8.5	35	13.5	60	30	0,79
VSG104.030000	1/2"	60	300	FCS-C 030	80	103	51	37	13	10.5	40	13.5	75	35	1,28

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

FC-C

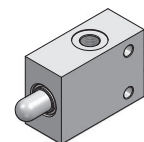
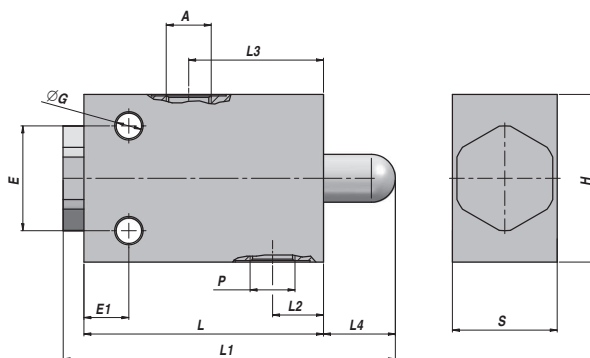
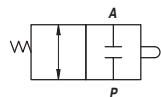
VALVE FIN DE COURSE ANTI-RETOUR DOUBLE - NORMALEMENT FERMÉE
END-STROKE VALVE - DOUBLE LOCK - NORMALLY CLOSED



Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
VSG105.020000	3/8"	30	300	FC-C 020	65	83	43	30	10	8.5	35	13.5	60	30	0,79
VSG105.030000	1/2"	60	300	FC-C 030	80	103	51	37	13	10.5	40	13.5	75	35	1,30

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

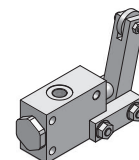
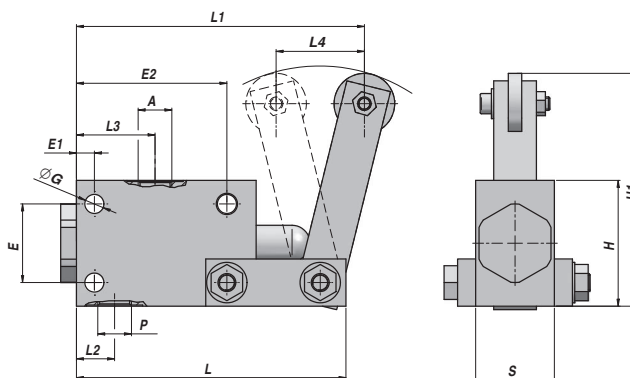
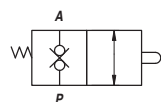
MONTAGE EN LIGNE
LINE MOUNTING

VALVE FIN DE COURSE - NORMALEMENT OUVERTE
END-STROKE VALVE - NORMALLY OPEN
FC-A

Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
VSG106.020000	3/8"	30	300	FC-A 020	65	81.5	17	28	12	8.5	40	15	60	30	0,80
VSG106.030000	1/2"	60	300	FC-A 030	65	81.5	17	28	12	8.5	40	15	60	30	0,80

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

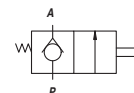
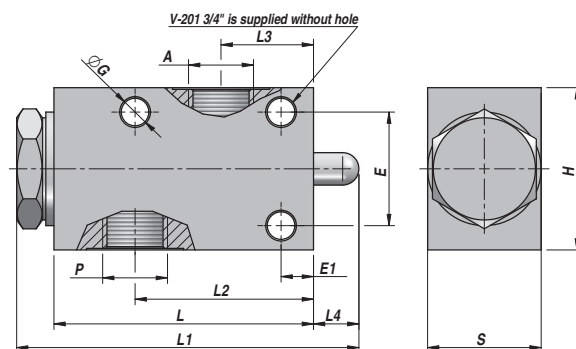
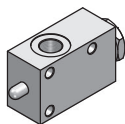
VALVE FIN DE COURSE CONTACT MECANIQUE - NORMALEMENT FERMEE
MECHANICAL DRIVE END-STROKE VALVE - NORMALLY CLOSED
V-FCC..NC

Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	E2	H1	H	S	kg
V7090.0815	1/2"	70	350	V-FCC 1/2"-NC	107	124.5	24.5	45	48	7	35	7	55	112.5	50	35	1,28

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

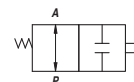
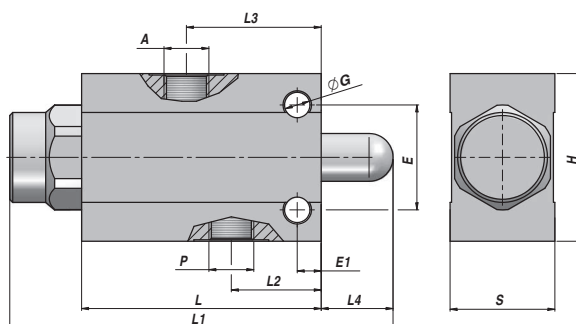
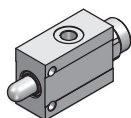
FCV ... NC

VALVE FIN DE COURSE - NORMALEMENT FERMÉE
END-STROKE VALVE - NORMALLY CLOSED

Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V7015.0600	3/8"	50	350	FC V-101 NC	80	105	55	30.0	14	8.5	35	10	50	35	0,96
V7015.0800	1/2"	70	350	FC V-121 NC	80	105	55	28.5	14	8.5	35	10	50	35	0,93
V7015.1200	3/4"	100	350	FC V-201 NC	88	115	61	23.0	14	8.5	50	20	70	45	0,86

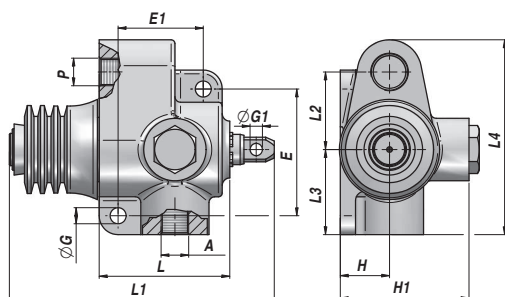
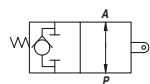
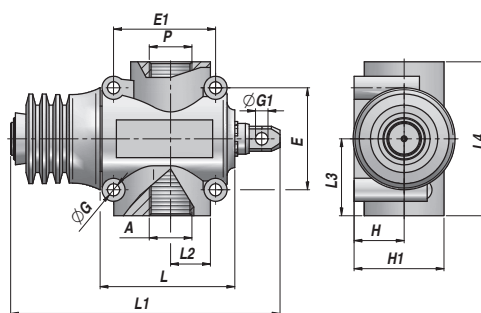
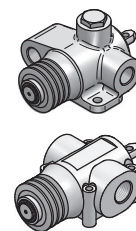
MATERIEL CORPS : ACIER
BODY MATERIAL : STEELMONTAGE EN LIGNE
LINE MOUNTING

FCV ... NA

VALVE FIN DE COURSE - NORMALEMENT OUVERTE
END-STROKE VALVE - NORMALLY OPEN

Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V7090.0817	3/8"	40	350	FC V-101 NA	80	129	30	45	24	8.5	35	8	56	35	1,24
V7090.0818	1/2"	60	350	FC V-121 NA	80	129	30	45	24	8.5	35	8	62	35	1,38

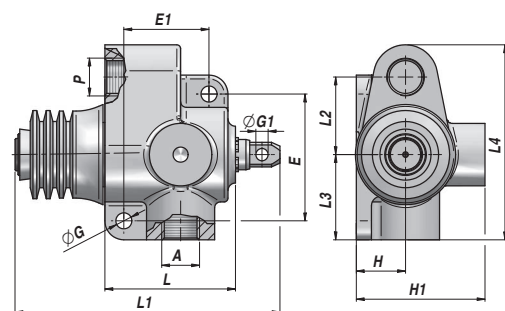
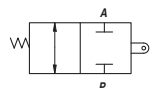
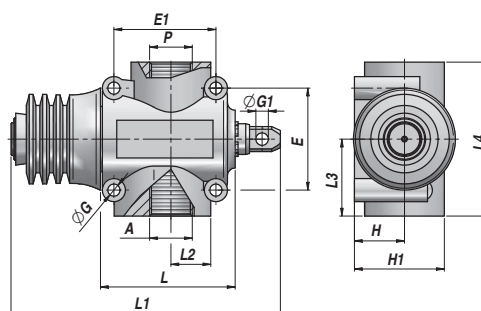
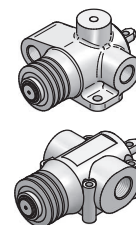
MATERIEL CORPS : ACIER
BODY MATERIAL : STEELMONTAGE EN LIGNE
LINE MOUNTING

VALVE FIN DE COURSE - NORMALEMENT OUVERTE
END-STROKE VALVE - NORMALLY OPEN
FCR-1T NA**FCR-1T 3/8" - 1/2"****FCR-1T 3/4"**

Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	ØG1	E	E1	H	H1	kg
V7090.0824	3/8"	60	350	FCR-1T 60-NA 38	69	130	41.0	45	103	8.5	6.5	66	45	26.0	68	1,63
V7090.0826	1/2"	80	350	FCR-1T 80-NA 12	69	130	41.0	45	103	8.5	6.5	66	45	26.0	68	1,62
V7090.1200	3/4"	120	350	FCR-1T120-NA 34	88	173	23.5	46	92	8.5	13.0	50	56	27.5	50	2,11

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

MONTAGE EN LIGNE
LINE MOUNTING

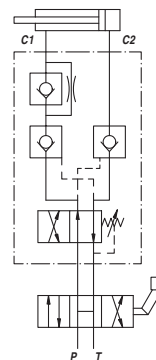
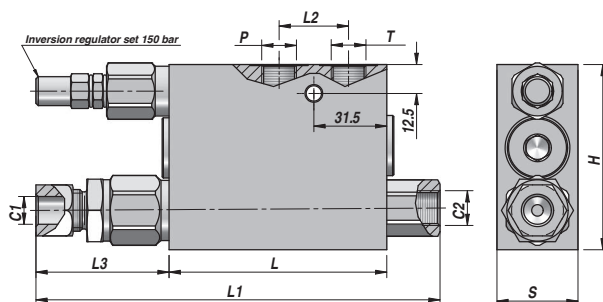
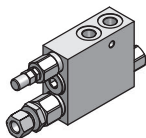
VALVE FIN DE COURSE - NORMALEMENT FERMEE
END-STROKE VALVE - NORMALLY CLOSED
FCR-2T NC**FCR-2T 3/8" - 1/2"****FCR-2T 3/4"**

Code Code	A - P BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	L4	ØG	ØG1	E	E1	H	H1	kg
V7090.0820	3/8"	60	350	FCR-2T 60-NC 38	69	130	41.0	45	103	8.5	6.5	66	45	26.0	68	1,65
V7090.0822	1/2"	80	350	FCR-2T 80-NC 12	69	130	41.0	45	103	8.5	6.5	66	45	26.0	68	1,65
V7090.0823	3/4"	120	350	FCR-2T120-NC 34	88	179	23.5	46	92	8.5	13.0	50	56	27.5	50	2,20

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

MONTAGE EN LIGNE
LINE MOUNTING

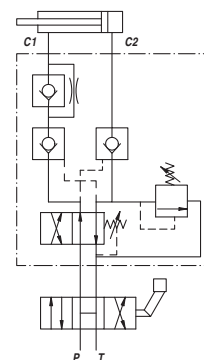
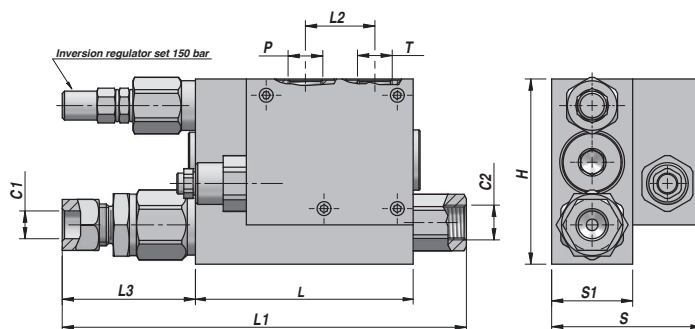
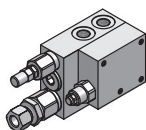
VRAP DE

DOUBLE EFFET
DOUBLE ACTINGVALVE BASCULEMENT CHARRUE
PLOUGH OVERTURNING VALVE

Code Code	P - T BSP	C2 BSP	C1	Inversion Pressure MAX bar	P MAX bar	Type Type	L	L1	L2	L3	H	S	kg
V1867.0282	3/8"	3/8"	Ø12	250	400	VRAP 40/ 50 DE	94	176	30	58	80	35	2,13
V1867.0600	3/8"	3/8"	Ø12	250	400	VRAP 60/ 80 DE	94	176	30	58	80	35	2,14
V1867.0601	3/8"	3/8"	Ø12	250	400	VRAP 80/100 DE	94	176	30	58	80	35	2,14
V1867.0302	3/8"	3/8"	Ø12	250	400	VRAP 100/110 DE	94	176	30	58	80	35	2,14
V1867.0320	3/8"	3/8"	Ø12	250	400	VRAP 110/130 DE	94	176	30	58	80	35	2,13

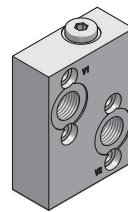
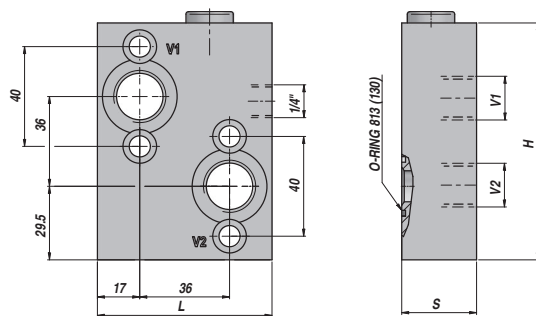
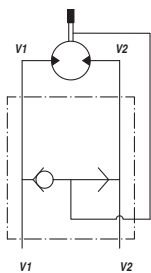
MATERIEL CORPS : ACIER
BODY MATERIAL : STEELMONTAGE SUR VERIN
CYLINDER MOUNTING

VRAP DE-LP

DOUBLE EFFET
DOUBLE ACTINGVALVE BASCULEMENT CHARRUE
PLOUGH OVERTURNING VALVE

Code Code	P - T BSP	C2 BSP	C1	Inversion Pressure MAX bar	P MAX bar	Type Type	L	L1	L2	L3	H	S	kg
V1867.0350	3/8"	3/8"	Ø12	250	400	VRAP 60/ 80 DE+LP	94	176	30	58	80	65	3,20
V1867.0360	3/8"	3/8"	Ø12	250	400	VRAP 80/100 DE+LP	94	176	30	58	80	65	3,19
V1867.0376	3/8"	3/8"	Ø12	250	400	VRAP 100/110 DE+LP	94	176	30	58	80	65	3,19
V1867.0380	3/8"	3/8"	Ø12	250	400	VRAP 110/130 DE+LP	94	176	30	58	80	65	3,16

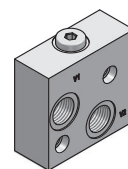
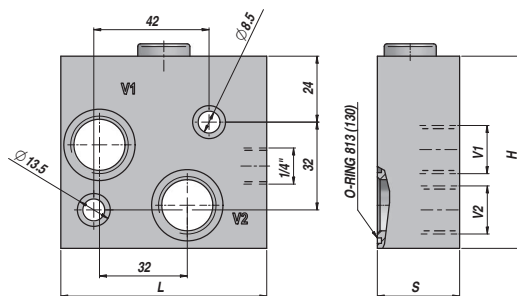
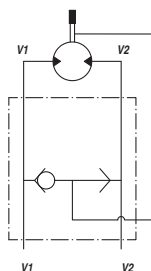
MATERIEL CORPS : ACIER
BODY MATERIAL : STEELMONTAGE SUR VERIN
CYLINDER MOUNTING

VALVE DEBLOQUAGE FREINS POUR MOTEURS "MPP-MPR-MCP-MCR"
BRAKE UNCLAMPING VALVE FOR "MPP-MPR-MCP-MCR" MOTORS
VSBF (MP-MR)


Code Code	V1 - V2 BSP	Q MAX l/min	P MAX bar	Type Type	L	H	S	kg
V6090.0333	1/2"	60	300	VSBF 1/2" MP/R	70	95	30	1,31

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VALVE DEBLOQUAGE FREINS POUR MOTEURS "MPS-MCS"
BRAKE UNCLAMPING VALVE FOR "MPS-MCS" MOTORS
VSBF (MS)


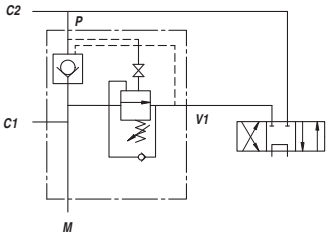
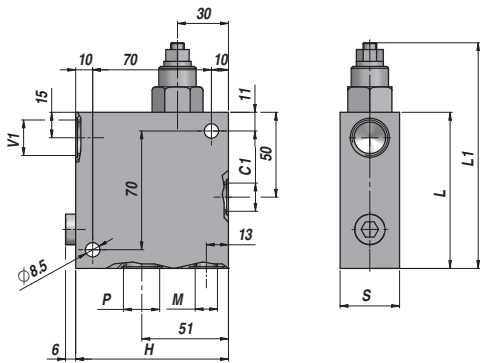
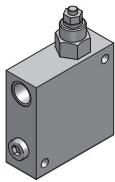
Code Code	V1 - V2 BSP	Q MAX l/min	P MAX bar	Type Type	L	H	S	kg
V6090.0334	1/2"	40	300	VSBF 1/2" MS	75	70	30	1,31

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

FLASQUABLE
FACE MOUNTING

VRSP

VALVE REGENERATRICE DE CIRCUIT
REGENERATIVE VALVE

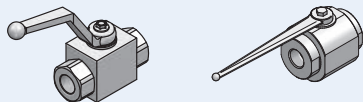
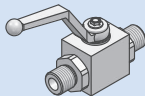
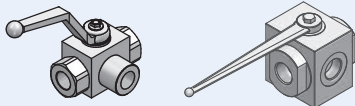
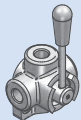
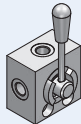
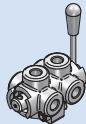
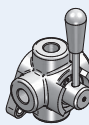
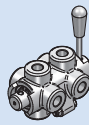
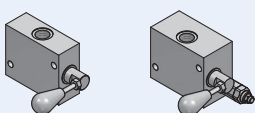


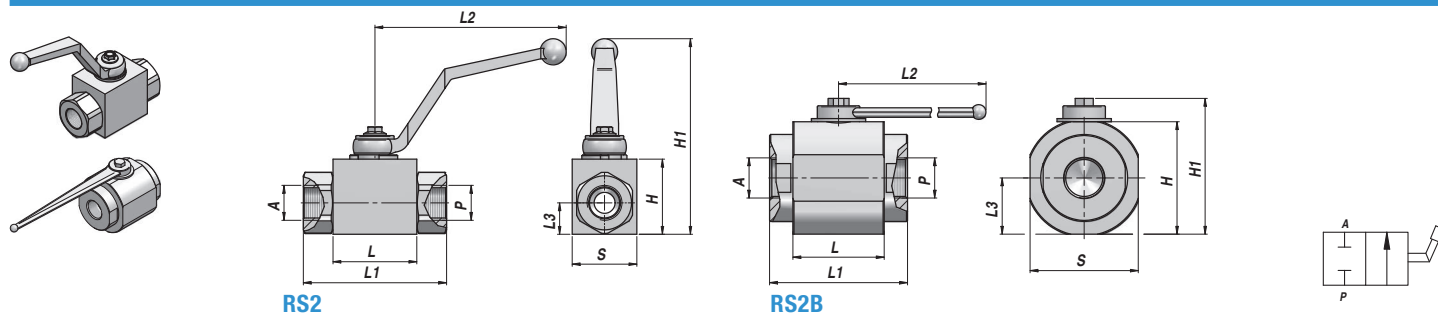
Code Code	V1-P-C1 BSP	M BSP	Q MAX l/m	P MAX bar	Type Type	L	L1 max	H	S	kg
V1220.0800	1/2"	1/4"	60	350	VRSP 1/2"	92	142	90	35	2,03
V1230.1200	3/4"	1/4"	95	350	VRSP 3/4"	120	177	105	40	3,50

RESSORT - SPRING :B= 60:350 bar (Standard)

MATERIEL CORPS : ACIER	MONTAGE EN LIGNE
BODY MATERIAL : STEEL	LINE MOUNTING

VANNES DE DIRECTION HYDRAULIC DIRECTIONAL CONTROL VALVES

	Description - Description	Type	Page
	ROBINET A BOISSEAU A 2 VOIES 2-WAY BALL VALVE	RS 2	268
	ROBINET A BOISSEAU A 2 VOIES - DIN 2353 2-WAY BALL VALVE - DIN 2353	RSD 2	268
	ROBINET A BOISSEAU A 3 VOIES 3-WAY BALL VALVE	RS 3/L RS 3/T	269
	ROBINET A BOISSEAU A 3 VOIES 3-WAY FLOW DEFLECT VALVE	D3-A D3-C	270
	ROBINET A BOISSEAU A 3 VOIES - HAUTE PRESSION 3-WAY FLOW DEFLECT VALVE - HIGH PRESSURE	DDF3 AP...A DDF3 AP...C	271
	ROBINET A BOISSEAU A 6 VOIES 6-WAY FLOW DEFLECT VALVE	D6-A D6-C	272
	INVERSEUR A 4 VOIES 4-WAY FLOW REVERSE	D4-A D4-C	273
	INVERSEUR A 8 VOIES 8-WAY FLOW REVERSE	D8-A D8-C	274
	INVERSEUR A 4 VOIES POUR MOTEURS "MPP-MPR-MCP-MCR" 4-WAY FLOW REVERSE FOR "MPP-MPR-MCP-MCR" MOTORS	BDR02 BDR05	275

RS 2
ROBINET A BOISSEAU A 2 VOIES
2-WAY BALL VALVE


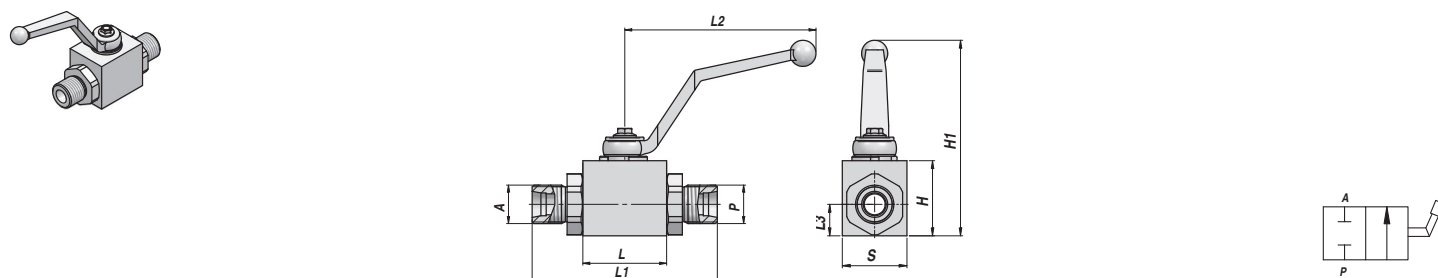
Code Code	A - P BSP	Série Series	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	H	H1	S	kg
DRSF204000	1/4"	-	25	500	RS 2 DN 6	42.4	71	110	14.5	35	91.5	30	0,50
DRSF206000	3/8"	-	35	500	RS 2 DN10	44.4	73	110	17.4	40	96.5	35	0,65
DRSF208000	1/2"	-	60	500	RS 2 DN13	48.4	83	110	18.0	43	99.5	37	0,77
DRSF212000	3/4"	-	100	400	RS 2 DN20	62.5	95	180	23.4	57	106.5	49	1,46
DRSF216000	1"	-	160	350	RS 2 DN25	66.5	112	180	29.5	65	116.5	55	2,23
DRSF220000	1"1/4-R	-	160	350	RS 2 DN25	66.5	120	180	29.5	65	116.5	55	2,30
DRSF224000	1"1/2	-	-	350	RS 2B DN40	85.0	131	300	53.5	107	134.5	102	7,39
DRSF232000	2"	-	-	350	RS 2B DN50	98.0	140	300	57.0	114	141.5	118	9,05

AVEC TROUS DE FIXATION - WITH *FIXING HOLES*

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

SUR DEMANDE : INOX AISI 316
ON REQUEST : STAINLESS STEEL AISI 316

RSD 2
ROBINET A BOISSEAU A 2 VOIES - DIN 2353
2-WAY BALL VALVE - DIN 2353


Code Code	A - P DIN	Série Series	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	H	H1	S	kg
DRSD208L00	M14x1.5	L	25	500	RSD2 08L DN06	42.4	76.0	110	14.5	35	91.5	30	0,48
DRSD210L00	M16x1.5	L	35	500	RSD2 10L DN10	44.4	76.5	110	17.4	40	96.5	35	0,60
DRSD212L00	M18x1.5	L	35	500	RSD2 12L DN10	44.4	79.5	110	17.4	40	96.5	35	0,62
DRSD215L00	M22x1.5	L	60	500	RSD2 15L DN13	48.4	87.0	110	18.0	43	99.5	37	0,73
DRSD218L00	M26x1.5	L	60	500	RSD2 18L DN13	48.4	87.0	110	18.0	43	99.5	37	0,75
DRSD222L00	M30x2	L	100	400	RSD2 22L DN20	62.5	110.0	180	23.4	57	106.5	49	1,46
DRSD228L00	M36x2	L	160	350	RSD2 28L DN25	66.5	117.0	180	29.5	65	116.5	55	2,13
DRSD210S00	M18x1.5	S	25	500	RSD2 10S DN06	42.4	76.0	110	14.5	35	91.5	30	0,50
DRSD212S00	M20x1.5	S	35	500	RSD2 12S DN10	44.4	76.0	110	17.4	40	96.5	35	0,60
DRSD214S00	M22x1.5	S	35	500	RSD2 14S DN10	44.4	82.5	110	17.4	40	96.5	35	0,63
DRSD216S00	M24x1.5	S	60	500	RSD2 16S DN13	48.4	89.0	110	18.0	43	99.5	37	0,67
DRSD220S00	M30x2	S	60	500	RSD2 20S DN13	48.4	93.0	110	18.0	43	99.5	37	0,79
DRSD225S00	M36x2	S	100	400	RSD2 25S DN20	62.5	111.0	180	23.4	57	106.5	49	1,49
DRSD230S00	M42x2	S	160	350	RSD2 30S DN25	66.5	121.0	180	29.5	65	116.5	55	2,15

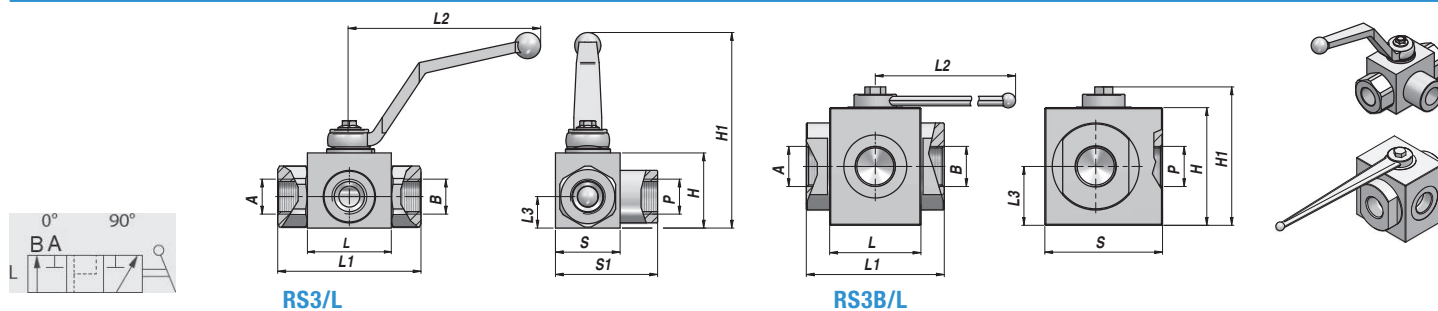
SUR DEMANDE - ON REQUEST :

TROUS DE FIXATION - *FIXING HOLES*

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

SUR DEMANDE : INOX AISI 316
ON REQUEST : STAINLESS STEEL AISI 316

ROBINET A BOISSEAU A 3 VOIES - CENTRE FERME
3-WAY BALL VALVE - CLOSED CENTRE
RS 3/L**RS3/L****RS3B/L**

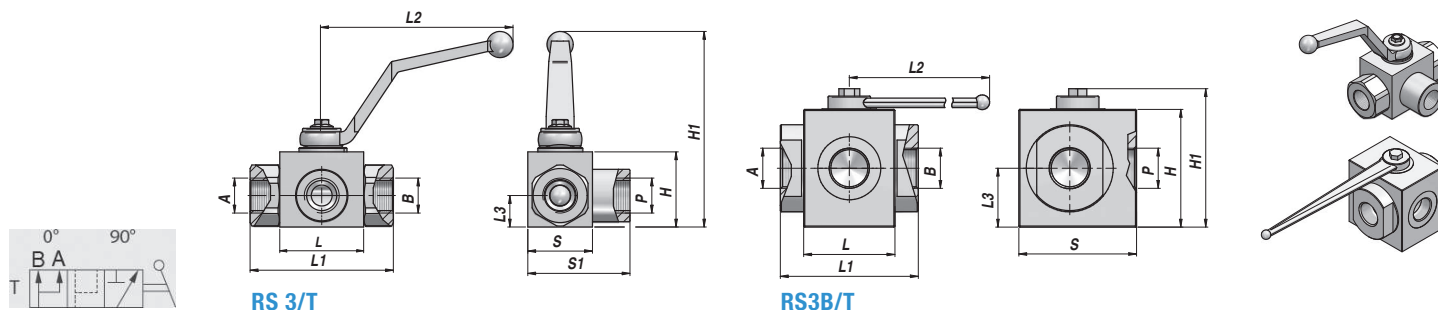
Code Code	A - P - B BSP	Schéma Scheme	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	H	H1	S	S1	kg
DRSF304000	1/4"	L	25	400	RS 3/L DN 6	42.4	71	110	14.5	35	91.5	30	48.5	0,54
DRSF306000	3/8"	L	35	400	RS 3/L DN10	44.4	73	110	17.4	40	96.5	35	54.5	0,70
DRSF308000	1/2"	L	60	350	RS 3/L DN13	48.4	83	110	18.0	43	99.5	37	58.5	0,83
DRSF312000	3/4"	L	100	350	RS 3/L DN20	62.5	95	180	23.4	57	106.5	49	75.0	1,58
DRSF316000	1"	L	160	350	RS 3/L DN25	66.5	112	180	29.5	65	116.5	55	89.0	2,42
DRSF320000	1"1/4-R	L	160	350	RS 3/L DN25	66.5	120	180	29.5	65	116.5	55	89.0	2,60
DRSF324000	1"1/2	L	-	350	RS 3B/L DN40	85.0	131	300	53.5	107	134.5	115	-	8,63
DRSF332000	2"	L	-	350	RS 3B/L DN50	98.0	140	300	57.0	114	141.5	128	-	10,61

AVEC TROUS DE FIXATION - WITH FIXING HOLES

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

SUR DEMANDE : INOX AISI 316
ON REQUEST : STAINLESS STEEL AISI 316

ROBINET A BOISSEAU A 3 VOIES - CENTRE OUVERT
3-WAY BALL VALVE - OPEN CENTRE
RS 3/T**RS 3/T****RS3B/T**

Code Code	A - P - B BSP	Schéma Scheme	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	L3	H	H1	S	S1	kg
DRSTF30400	1/4"	T	25	400	RS 3/T DN 6	42.4	71	110	14.5	35	91.5	30	48.5	0.54
DRSTF30600	3/8"	T	35	400	RS 3/T DN10	44.4	73	110	17.4	40	96.5	35	54.5	0.70
DRSTF30800	1/2"	T	60	350	RS 3/T DN13	48.4	83	110	18.0	43	99.5	37	58.5	0.83
DRSTF31200	3/4"	T	100	350	RS 3/T DN20	62.5	95	180	23.4	57	106.5	49	75.0	1.58
DRSTF31600	1"	T	160	350	RS 3/T DN25	66.5	112	180	29.5	65	116.5	55	89.0	2.42
DRSTF32000	1"1/4-R	T	160	350	RS 3/T DN25	66.5	120	180	29.5	65	116.5	55	89.0	2.60
DRSTF32400	1"1/2	T	-	350	RS 3B/T DN40	85.0	131	300	53.5	107	134.5	115	-	8.63
DRSTF33200	2"	T	-	350	RS 3B/T DN50	98.0	140	300	57.0	114	141.5	128	-	10.61

AVEC TROUS DE FIXATION - WITH FIXING HOLES

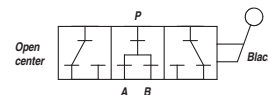
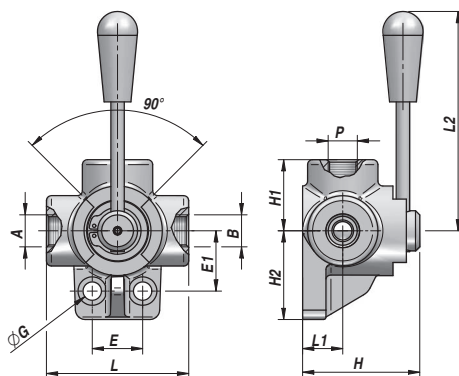
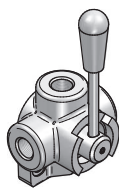
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

SUR DEMANDE : INOX AISI 316
ON REQUEST : STAINLESS STEEL AISI 316

D3-A

ROBINET A BOISSEAU A 3 VOIES - CENTRE OUVERT 3-WAY FLOW DEFLECT VALVE - OPEN CENTRE



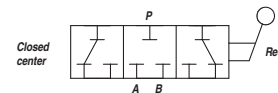
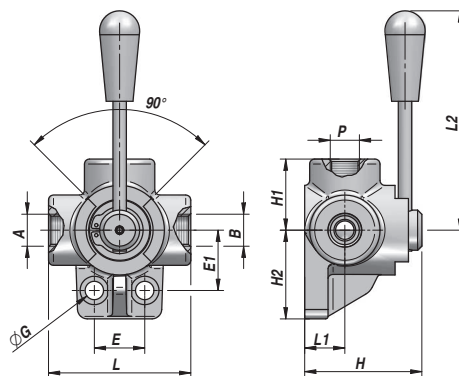
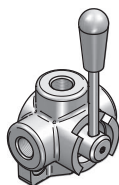
Code Code	A - P - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	E1	H	H1	H2	kg
V74367.A00400	1/4"	60	350	D3-A 104	70	21	115	8.5	25	32	57	-	-	0,8
V74367.A00600	3/8"	60	350	D3-A 100	70	21.0	115	8.5	25	32	57	-	-	0,8
V74367.A00800	1/2"	90	350	D3-A 101	80	24	115	8.5	25	36	63	-	-	1,2
V74367.A01200	3/4"	120	350	D3-A 102	90	26	115	8.5	25	42	67	-	-	1,8
V74367.A01600	1"	200	300	D3-A 103	98	31	115	8.5	25	50	77	-	-	2,7

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

MONTAGE EN LIGNE
LINE MOUNTING

D3-C

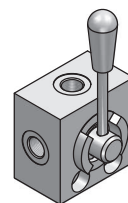
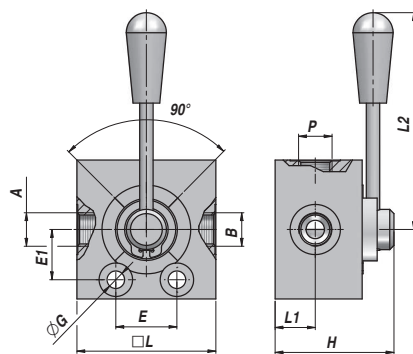
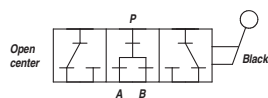
ROBINET A BOISSEAU A 3 VOIES - CENTRE FERME 3-WAY FLOW DEFLECT VALVE - CLOSED CENTRE



Code Code	A - P - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	E1	H	H1	H2	kg
V74367.C00400	1/4"	60	350	D3-C 111	70	21.0	115	8.5	25	32	57	-	-	0,8
V74367.C00600	3/8"	60	350	D3-C 107	70	21.0	115	8.5	25	32	57	-	-	0,8
V74367.C00800	1/2"	90	350	D3-C 108	80	24.0	115	8.5	32	36	63	-	-	1,2
V74367.C01200	3/4"	120	350	D3-C 109	90	26.0	115	10.5	32	42	67	-	-	1,8
V74367.C01600	1"	200	300	D3-C 110	98	31	115	10.5	32	50	77	-	-	2,7

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

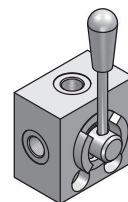
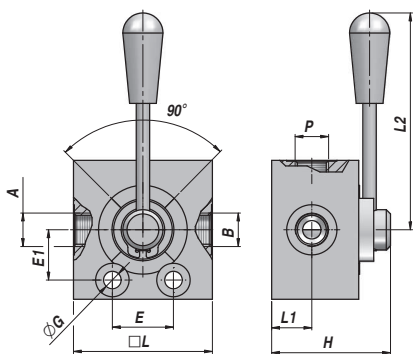
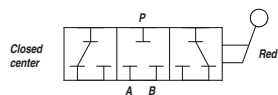
MONTAGE EN LIGNE
LINE MOUNTING

ROBINET A BOISSEAU A 3 VOIES "AP...A" - CENTRE OUVERT - HAUTE PRESSION
3-WAY FLOW DEFLECT VALVE "AP...A" - OPEN CENTRE - HIGH PRESSURE
DDF 3 AP...A


Code Code	A - P - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	E1	H	kg
V71367.A00600	3/8"	60	450	DDF3 AP 020 A	68	21.0	135	8.5	30.0	24.75	62	1,38
V71367.A00800	1/2"	90	400	DDF3 AP 030 A	83	24.0	130	10.5	36.5	30.00	71	2,38
V71367.A01200	3/4"	120	350	DDF3 AP 040 A	87	28.0	130	11.0	32.0	30.50	80	2,88
V71367.A01600	1"	180	320	DDF3 AP 050 A	106	31.5	160	11.0	60.0	38.00	89	4,76

MATERIEL CORPS : FONTE ZINGUEE
 BODY MATERIAL : ZINC PLATED CAST IRON

MONTAGE EN LIGNE
 LINE MOUNTING

ROBINET A BOISSEAU A 3 VOIES "AP...C" - CENTRE FERME - HAUTE PRESSION
3-WAY FLOW DEFLECT VALVE "AP...C" - CLOSED CENTRE - HIGH PRESSURE
DDF 3 AP...C


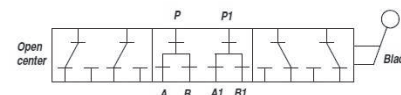
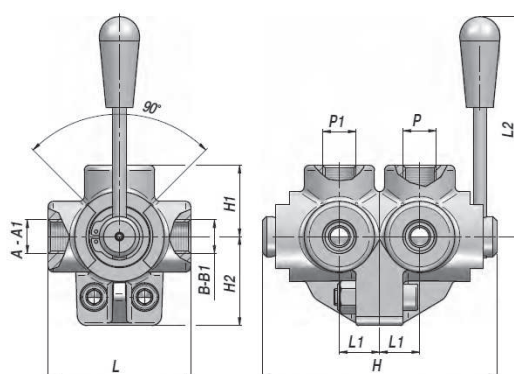
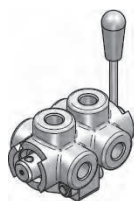
Code Code	A - P - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	E1	H	kg
V71367.C00600	3/8"	60	450	DDF3 AP 020 C	68	21.0	135	8.5	30.0	24.75	62	1,38
V71367.C00800	1/2"	90	400	DDF3 AP 030 C	83	24.0	130	10.5	36.5	30.00	71	2,38
V71367.C01200	3/4"	120	350	DDF3 AP 040 C	87	28.0	130	11.0	32.0	30.50	80	2,88
V71367.C01600	1"	180	320	DDF3 AP 050 C	106	31.5	160	11.0	60.0	38.00	89	4,76

MATERIEL CORPS : FONTE ZINGUEE
 BODY MATERIAL : ZINC PLATED CAST IRON

MONTAGE EN LIGNE
 LINE MOUNTING

D6-A

ROBINET A BOISSEAU A 6 VOIES - CENTRE OUVERT 6-WAY FLOW DEFLECT VALVE - OPEN CENTRE



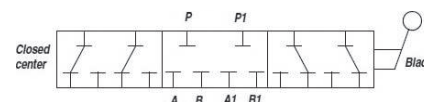
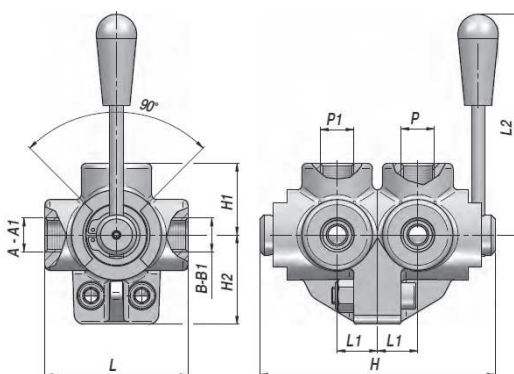
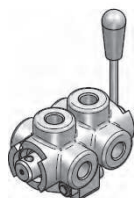
Code Code	A - P - B BSP	A1 - P1 - B1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	H	H1 + H2	kg
V74667.A00400	1/4"	1/4"	60	350	D6-A 104	70	21	115	112	75.5	1,5
V74667.A00600	3/8"	3/8"	60	350	D6-A 100	70	21.0	115	112	75.5	1,5
V74667.A00800	1/2"	1/2"	90	350	D6-A 101	80	24.0	115	124	86.0	2,3
V74667.A01200	3/4"	3/4"	120	350	D6-A 102	90	26.0	115	132	98.5	3,5
V74667.A01600	1"	1"	200	300	D6-A 103	98	31.0	115	152	110.0	5,3

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

MONTAGE EN LIGNE
LINE MOUNTING

D6-C

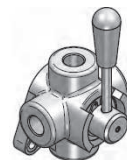
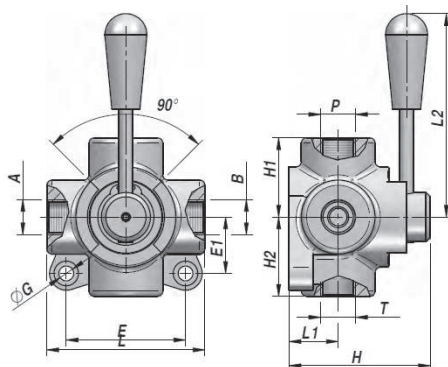
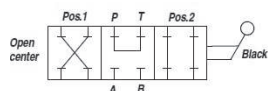
ROBINET A BOISSEAU A 6 VOIES - CENTRE FERME 6-WAY FLOW DEFLECT VALVE - CLOSED CENTRE



Code Code	A - P - B BSP	A1 - P1 - B1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	H	H1+ H2	kg
V74667.C00400	1/4"	1/4"	60	350	D6-C 111	21.0	24	115	112	75.5	1,5
V74667.C00600	3/8"	3/8"	60	350	D6-C 107	21.0	24	115	112	75.5	1,5
V74667.C00800	1/2"	1/2"	90	350	D6-C 108	24.0	24	115	124	86.0	2,3
V74667.C01200	3/4"	3/4"	120	350	D6-C 109	26.0	31	115	132	98.5	3,5
V74667.C01600	1"	1"	200	300	D6-C 110	31.0	31	115	152	110.0	5,3

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

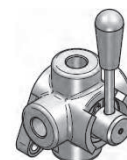
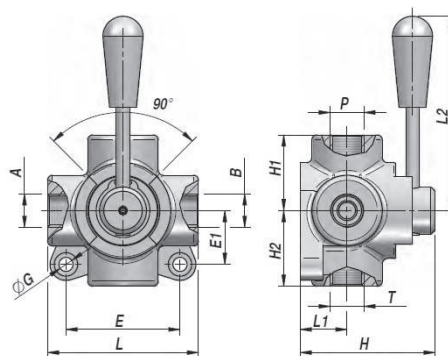
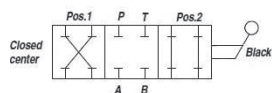
MONTAGE EN LIGNE
LINE MOUNTING

INVERSEUR 4VOIES - CENTRE OUVERT
4-WAY FLOW REVERSE - OPEN CENTRE
D4-A


Code Code	P - T BSP	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	E1	H	H1+H2	kg
V74467.A00400	1/4"	1/4"	60	350	D4-A 104	80	24	115	8.5	54	28	63	80	1,2
V74467.A00600	3/8"	3/8"	60	350	D4-A 100	80	24	115	8.5	54	28	63	80.0	1,2
V74467.A00800	1/2"	1/2"	90	350	D4-A 101	80	24	115	8.5	54	28	63	80.0	1,1
V74467.A01200	3/4"	3/4"	120	350	D4-A 102	94	31	115	10.5	74	38	77	94.0	2,2
V74467.A01600	1"	1"	200	300	D4-A 103	94	31	115	10.5	74	38	77	94.0	2

MATERIEL CORPS : FONTE ZINGUEE
 BODY MATERIAL : ZINC PLATED CAST IRON

MONTAGE EN LIGNE
 LINE MOUNTING

INVERSEUR 4VOIES - CENTRE FERME
4-WAY FLOW REVERSE - CLOSED CENTRE
D4-C


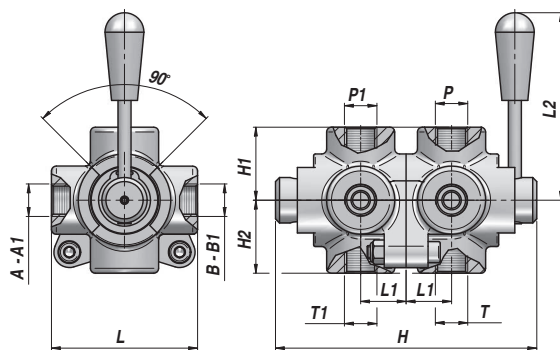
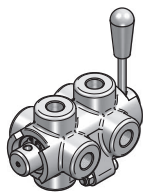
Code Code	P - T BSP	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	ØG	E	E1	H	H1 + H2	kg
V74467.C00400	1/4"	1/4"	60	350	D4-C 111	80	24	115	8.5	54	28	63	80.0	1,2
V74467.C00600	3/8"	3/8"	60	350	D4-C 107	80	24	115	8.5	54	28	63	80.0	1,2
V74467.C00800	1/2"	1/2"	90	350	D4-C 108	80	24	115	8.5	54	28	63	80.0	1,1
V74467.C01200	3/4"	3/4"	120	350	D4-C 109	94	31	115	10.5	74	38	77	94.0	2,2
V74467.C01600	1"	1"	200	300	D4-C 110	94	31	115	10.5	74	38	77	94.0	2

MATERIEL CORPS : FONTE ZINGUEE
 BODY MATERIAL : ZINC PLATED CAST IRON

MONTAGE EN LIGNE
 LINE MOUNTING

D8-A

INVERSEUR A 8 VOIES - CENTRE OUVERT 8-WAY FLOW REVERSE - OPEN CENTRE



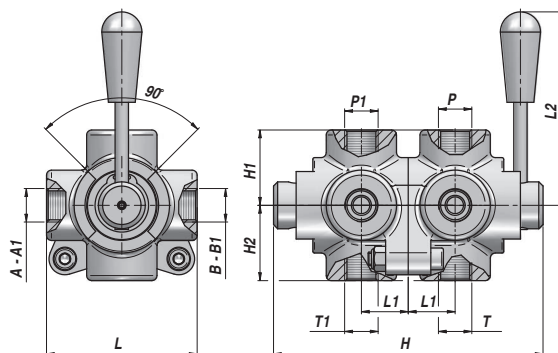
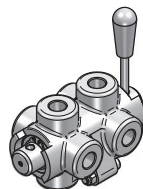
Code Code	P - T A - B BSP	P1 - T1 A1 - B1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	H	H1 + H2	kg
V74867.A00400	1/4"	1/4"	60	350	D8-A 104	80	24	115	124	80.0	2.3
V74867.A00600	3/8"	3/8"	60	350	D8-A 100	80	24	115	124	80.0	2.3
V74867.A00800	1/2"	1/2"	90	350	D8-A 101	80	24	115	124	80.0	2.1
V74867.A01200	3/4"	3/4"	120	350	D8-A 102	94	31	115	124	94.0	4.3
V74867.A01600	1"	1"	200	300	D8-A 103	94	31	115	124	94.0	4

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

MONTAGE EN LIGNE
LINE MOUNTING

D8-C

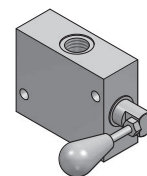
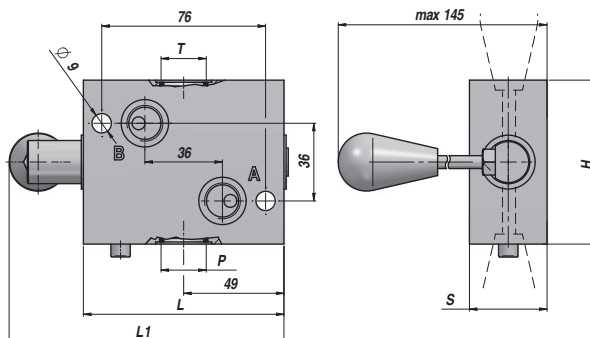
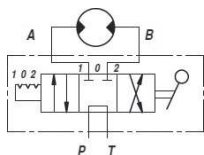
INVERSEUR A 8 VOIES - CENTRE FERME 8-WAY FLOW REVERSE - CLOSED CENTRE



Code Code	P - T A - B BSP	P1 - T1 A1 - B1 BSP	Q MAX l/min	P MAX bar	Type Type	L	L1	L2	H	H1 + H2	kg
V74867.C00400	1/4"	1/4"	60	350	D8-C 111	80	24	115	124	80	2.3
V74867.C00600	3/8"	3/8"	60	350	D8-C 107	80	24	115	124	80.0	2.3
V74867.C00800	1/2"	1/2"	90	350	D8-C 108	80	24	115	124	80.0	2.1
V74867.C01200	3/4"	3/4"	120	350	D8-C 109	94	31	115	152	94	4.3
V74867.C01600	1"	1"	200	300	D8-C 110	94	31	115	152	94.0	4

MATERIEL CORPS : FONTE
BODY MATERIAL : CAST IRON

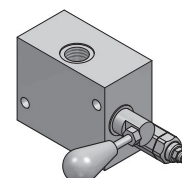
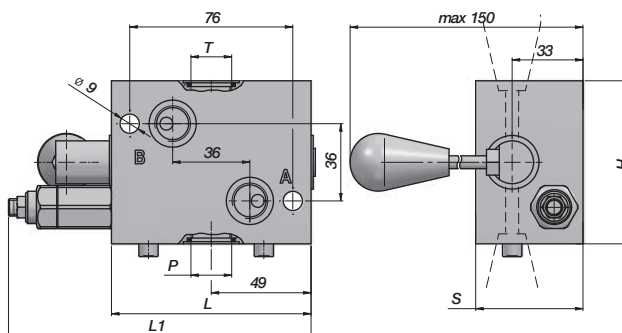
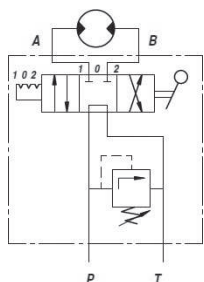
MONTAGE EN LIGNE
LINE MOUNTING

INVERSEURA 4VOIES POUR MOTEURS "MPP-MPR-MCP-MCR"
4-WAY FLOW REVERSE FOR "MPP-MPR-MCP-MCR" MOTORS
BDR02


Code Code	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	H	S	kg
VBDR012020	1/2"	50	210	BDR 12.02	93	128	70	35	0,76

MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

FLASQUABLE
FACE MOUNTING

INVERSEURA 4VOIES POUR MOTEURS "MPP-MPR-MCP-MCR" + V.M.P.
4-WAY FLOW REVERSE FOR "MPP-MPR-MCP-MCR" MOTORS + RELIEF VALVE
BDR05


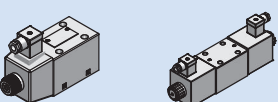
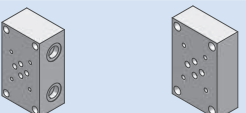
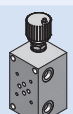
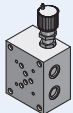
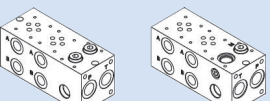
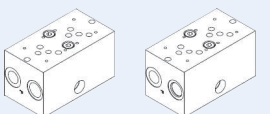
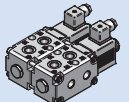
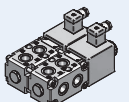
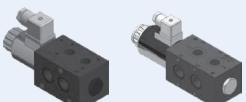
Code Code	A - B BSP	Q MAX l/min	P MAX bar	Type Type	L	L1 max	H	S	kg
VBDR012050	1/2"	60	250	BDR 12.05/25	93	150	70	48	1,07

RESSORT - SPRING : 30 : 250 bar

MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

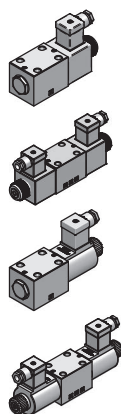
FLASQUABLE
FACE MOUNTING

ELECTROVANNES ET EMBASES DE MONTAGE SOLENOID VALVES AND SUBPLATES

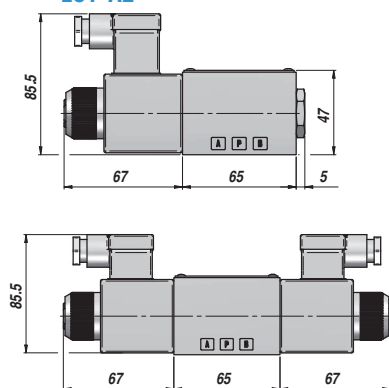
	Description - Description	Type	Page
	ELECTROVANNE SOLENOID OPERATED DIRECTIONAL VALVE	CETOP 3 EL10	278
	ELECTROVANNE SOLENOID OPERATED DIRECTIONAL VALVE	CETOP 3 ELC10	279
	ELECTROVANNE A CDE DE SECOURS SOLENOID OPERATED DIRECTIONAL VALVE + SAFETY MANUAL OVERRIDE	CETOP 3 ELC10M	280
	ELECTROVANNE SOLENOID OPERATED DIRECTIONAL VALVE	CETOP 5 EL20	281
	EMBASE DE MONTAGE POUR ELECTROVANNES SANS LP SUB-PLATE FOR SOLENOID VALVES WITHOUT RELIEF VALVE	CETOP 5 ELC20	282
	EMBASE DE MONTAGE POUR ELECTROVANNES SANS LP SUB-PLATE FOR SOLENOID VALVES WITHOUT RELIEF VALVE	CETOP 3 ES3-D-PL ES3-A-P EA06-08	283
	EMBASE DE MONTAGE POUR ELECTROVANNES AVEC LP SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE	CETOP 5 ES5-A-PL ES5-A-P EAS10-09	283
	EMBASE DE MONTAGE POUR ELECTROVANNES AVEC LP SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE	CETOP 3 ES3-B	284
	EMBASE MULTIPLE POUR ELECTROVANNES PREDISPOSEE LP MULTIPLE SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE READY	CETOP 5 ES5-B	284
	EMBASE MULTIPLE POUR ELECTROVANNES PREDISPOSEE LP MULTIPLE SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE READY	CETOP 3 EA06-21-38	285
	SELECTEUR DE CIRCUIT ELECTRIQUE (EMPILABLE) SOLENOID OPERATED DIVERTER VALVE (MODULAR TYPE)	CETOP 5 ES10-06-34	286
	SELECTEUR DE CIRCUIT ELECTRIQUE (EMPILABLE) SOLENOID OPERATED DIVERTER VALVE (MODULAR TYPE)	VS 241/F	287
	SELECTEUR DE CIRCUIT ELECTRIQUE (EMPILABLE) SOLENOID OPERATED DIVERTER VALVE (MODULAR TYPE)	VS 281/F	287
	SELECTEUR DE CIRCUIT ELECTRIQUE 3 VOIES 3 WAY SOLENOID OPERATED DIVERTER VALVE	VS82 VS92	288
	SELECTEUR DE CIRCUIT ELECTRIQUE 6 VOIES 6 WAY SOLENOID OPERATED DIVERTER VALVE	RS 06/-2 RS 10/-2	289

EL10

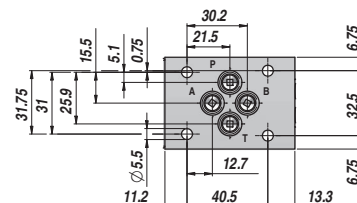
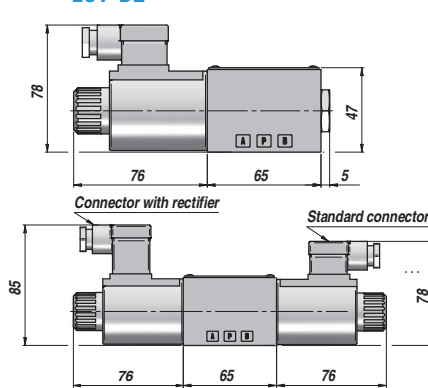
CETOP 3

ELECTROVANNE
SOLENOID OPERATED DIRECTIONAL VALVE

LC1-AZ



LC1-DZ



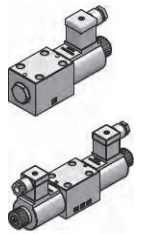
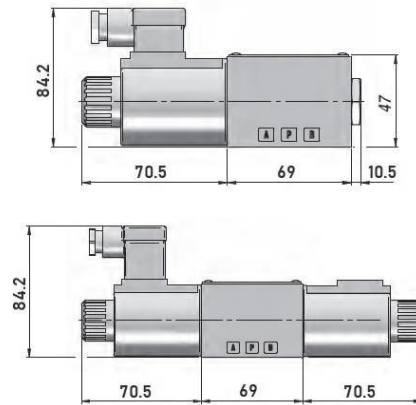
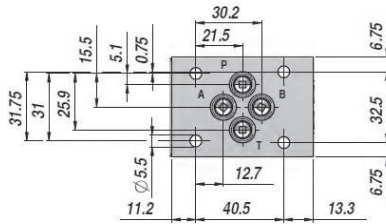
Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
EL10A02002450	LC1-A201 AZ	24/50VAC	 A201 (ex A2)	60	250	1,66
EL10A02011050	LC1-A201 AZ	110/50VAC		"	"	1,66
EL10A02022050	LC1-A201 AZ	220/50VAC		"	"	1,66
EL10A02012VDC	LC1-A201 DZ	12VDC		70	310	1,82
EL10A02024VDC	LC1-A201 DZ	24VDC	 B201 (ex B2)	"	"	1,82
EL10B02002450	LC1-B201 AZ	24/50VAC		60	250	1,66
EL10B02011050	LC1-B201 AZ	110/50VAC		"	"	1,66
EL10B02022050	LC1-B201 AZ	220/50VAC		"	"	1,66
EL10B02012VDC	LC1-B201 DZ	12VDC	 C201 (ex C2)	70	310	1,82
EL10B02024VDC	LC1-B201 DZ	24VDC		"	"	1,82
EL10C02002450	LC1-C201 AZ	24/50VAC		60	250	1,66
EL10C02011050	LC1-C201 AZ	110/50VAC		"	"	1,66
EL10C02022050	LC1-C201 AZ	220/50VAC	 E201 (ex E2)	"	"	1,66
EL10C02012VDC	LC1-C201 DZ	12VDC		70	310	1,82
EL10C02024VDC	LC1-C201 DZ	24VDC		"	"	1,82
EL10E02002450	LC1-E201 AZ	24/50VAC		60	250	1,66
EL10E02011050	LC1-E201 AZ	110/50VAC	 A301 (ex A11S)	"	"	1,66
EL10E02022050	LC1-E201 AZ	220/50VAC		"	"	1,66
EL10E02012VDC	LC1-E201 DZ	12VDC		70	310	1,82
EL10E02024VDC	LC1-E201 DZ	24VDC		"	"	1,82
EL10A11S02450	LC1-A301 AZ	24/50VAC	 Y301 (ex A11C)	60	250	1,25
EL10A11S11050	LC1-A301 AZ	110/50VAC		"	"	1,25
EL10A11S22050	LC1-A301 AZ	220/50VAC		"	"	1,25
EL10A11S12VDC	LC1-A301 DZ	12VDC		70	310	1,33
EL10A11S24VDC	LC1-A301 DZ	24VDC	 B301 (ex B11C)	"	"	1,33
EL10A11C02450	LC1-Y301 AZ	24/50VAC		60	250	1,25
EL10A11C11050	LC1-Y301 AZ	110/50VAC		"	"	1,25
EL10A11C22050	LC1-Y301 AZ	220/50VAC		"	"	1,25
EL10A11C12VDC	LC1-Y301 DZ	12VDC	 C301 (ex C11A)	70	310	1,33
EL10A11C24VDC	LC1-Y301 DZ	24VDC		"	"	1,33
EL10B11C02450	LC1-B301 AZ	24/50VAC		60	250	1,25
EL10B11C11050	LC1-B301 AZ	110/50VAC		"	"	1,25
EL10B11C22050	LC1-B301 AZ	220/50VAC	 C301 (ex C11A)	"	"	1,25
EL10B11C12VDC	LC1-B301 DZ	12VDC		70	310	1,33
EL10B11C24VDC	LC1-B301 DZ	24VDC		"	"	1,33
EL10C11A02450	LC1-C301 AZ	24/50VAC		60	250	1,25
EL10C11A11050	LC1-C301 AZ	110/50VAC	 C301 (ex C11A)	"	"	1,25
EL10C11A22050	LC1-C301 AZ	220/50VAC		"	"	1,25
EL10C11A12VDC	LC1-C301 DZ	12VDC		70	310	1,33
EL10C11A24VDC	LC1-C301 DZ	24VDC		"	"	1,33

SUR DEMANDE - ON REQUEST : VALVES MODULAIRES POUR ELECTROVANNES CETOP 3 - MODULAR VALVES FOR SOLENOID OPERATED DIRECTIONAL VALVES CETOP 3

ELECTROVANNE
SOLENOID OPERATED DIRECTIONAL VALVE

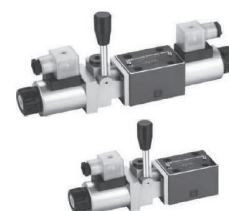
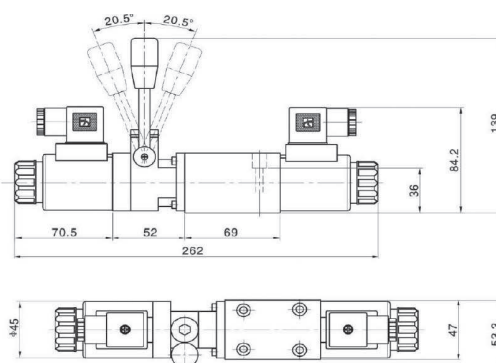
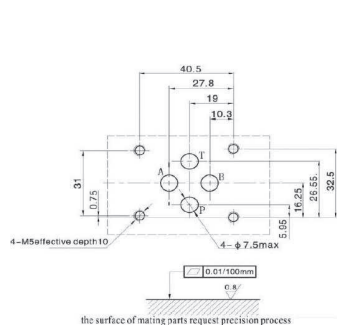
CETOP 3

ELC10



Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
ELC10A02002450	4WE6G-6X	24/50VAC	 A201 (ex A2)	60	250	2.1
ELC10A02011050	4WE6G-6X	110/50VAC				
ELC10A02022050	4WE6G-6X	220/50VAC				
ELC10A02012DC	4WE6G-6X	12VDC		80	310	
ELC10A02024DC	4WE6G-6X	24VDC	 B201 (ex B2)	60	250	
ELC10B02002450	4WE6E-6X	24/50VAC				
ELC10B02011050	4WE6E-6X	110/50VAC				
ELC10B02022050	4WE6E-6X	220/50VAC				
ELC10B02012DC	4WE6E-6X	12VDC	 C201 (ex C2)	80	310	
ELC10B02024DC	4WE6E-6X	24VDC				
ELC10C02002450	4WE6H-6X	24/50VAC		60	250	
ELC10C02011050	4WE6H-6X	110/50VAC				
ELC10C02022050	4WE6H-6X	220/50VAC	 E201 (ex E2)	80	310	
ELC10C02012DC	4WE6H-6X	12VDC				
ELC10C02024DC	4WE6H-6X	24VDC				
ELC10E02002450	4WE6J-6X	24/50VAC	 A301 (ex A11S)	60	250	1.6
ELC10E02011050	4WE6J-6X	110/50VAC				
ELC10E02022050	4WE6J-6X	220/50VAC				
ELC10E02012DC	4WE6J-6X	12VDC		80	310	
ELC10E02024DC	4WE6J-6X	24VDC	 Y301 (ex A11C)			
ELC10A11S02450	4WE6GA-6X	24/50VAC		60	250	
ELC10A11S11050	4WE6GA-6X	110/50VAC				
ELC10A11S22050	4WE6GA-6X	220/50VAC				
ELC10A11S12DC	4WE6GA-6X	12VDC	 B301 (ex B11C)	80	310	
ELC10A11S24DC	4WE6GA-6X	24VDC				
ELC10A11C02450	4WE6D-6X	24/50VAC		60	250	
ELC10A11C11050	4WE6D-6X	110/50VAC				
ELC10A11C22050	4WE6D-6X	220/50VAC	 C301 (ex C11A)	80	310	
ELC10A11C12DC	4WE6D-6X	12VDC				
ELC10A11C24DC	4WE6D-6X	24VDC				
ELC10B11C02450	4WE6EA-6X	24/50VAC		60	250	
ELC10B11C11050	4WE6EA-6X	110/50VAC				
ELC10B11C22050	4WE6EA-6X	220/50VAC				
ELC10B11C12DC	4WE6EA-6X	12VDC		80	310	
ELC10B11C24DC	4WE6EA-6X	24VDC				
ELC10C11A02450	4WE6HA-6X	24/50VAC		60	250	
ELC10C11A11050	4WE6HA-6X	110/50VAC				
ELC10C11A22050	4WE6HA-6X	220/50VAC				
ELC10C11A12DC	4WE6HA-6X	12VDC		80	310	
ELC10C11A24DC	4WE6HA-6X	24VDC				

SUR DEMANDE - ON REQUEST : VALVES MODULAIRES POUR ELECTROVANNES CETOP 3 - MODULAR VALVES FOR SOLENOID OPERATED DIRECTIONAL VALVES CETOP 3

ELC10M**CETOP 3****ELECTROVANNE AVEC CDE DE SECOURS**
SOLENOID OPERATED DIRECTIONAL VALVE WITH MANUAL LEVER CONTROL

Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
ELC10MA02002450	4WMME6G-6X	24/50VAC	 A201 (ex A2)	60	250	2,1
ELC10MA02011050	4WMME6G-6X	110/50VAC		"	"	"
ELC10MA02022050	4WMME6G-6X	220/50VAC		"	"	"
ELC10MA02012DC	4WMME6G-6X	12VDC		80	310	"
ELC10MA02024DC	4WMME6G-6X	24VDC	 B201 (ex B2)	"	"	"
ELC10MB02002450	4WMME6E-6X	24/50VAC		60	250	"
ELC10MB02011050	4WMME6E-6X	110/50VAC		"	"	"
ELC10MB02022050	4WMME6E-6X	220/50VAC		"	"	"
ELC10MB02012DC	4WMME6E-6X	12VDC	 C201 (ex C2)	80	310	"
ELC10MB02024DC	4WMME6E-6X	24VDC		"	"	"
ELC10MC02002450	4WMME6H-6X	24/50VAC		60	250	"
ELC10MC02011050	4WMME6H-6X	110/50VAC		"	"	"
ELC10MC02022050	4WMME6H-6X	220/50VAC	 E201 (ex E2)	"	"	"
ELC10MC02012DC	4WMME6H-6X	12VDC		80	310	"
ELC10MC02024DC	4WMME6H-6X	24VDC		"	"	"
ELC10ME02002450	4WMME6J-6X	24/50VAC		60	250	"
ELC10ME02011050	4WMME6J-6X	110/50VAC	 A301 (ex A11S)	"	"	"
ELC10ME02022050	4WMME6J-6X	220/50VAC		"	"	"
ELC10ME02012DC	4WMME6J-6X	12VDC		80	310	"
ELC10ME02024DC	4WMME6J-6X	24VDC		"	"	"
ELC10MA11S02450	4WMME6GA-6X	24/50VAC	 Y301 (ex A11C)	60	250	1,6
ELC10MA11S11050	4WMME6GA-6X	110/50VAC		"	"	"
ELC10MA11S22050	4WMME6GA-6X	220/50VAC		"	"	"
ELC10MA11S12DC	4WMME6GA-6X	12VDC		80	310	"
ELC10MA11S24DC	4WMME6GA-6X	24VDC	 B301 (ex B11C)	"	"	"
ELC10MA11C02450	4WMME6D-6X	24/50VAC		60	250	"
ELC10MA11C11050	4WMME6D-6X	110/50VAC		"	"	"
ELC10MA11C22050	4WMME6D-6X	220/50VAC		"	"	"
ELC10MA11C12DC	4WMME6D-6X	12VDC	 C301 (ex C11A)	80	310	"
ELC10MA11C24DC	4WMME6D-6X	24VDC		"	"	"
ELC10MB11C02450	4WMME6EA-6X	24/50VAC		60	250	"
ELC10MB11C11050	4WMME6EA-6X	110/50VAC		"	"	"
ELC10MB11C22050	4WMME6EA-6X	220/50VAC	 C301 (ex C11A)	"	"	"
ELC10MB11C12DC	4WMME6EA-6X	12VDC		80	310	"
ELC10MB11C24DC	4WMME6EA-6X	24VDC		"	"	"
ELC10MC11A02450	4WMME6HA-6X	24/50VAC		60	250	"
ELC10MC11A11050	4WMME6HA-6X	110/50VAC	 C301 (ex C11A)	"	"	"
ELC10MC11A22050	4WMME6HA-6X	220/50VAC		"	"	"
ELC10MC11A12DC	4WMME6HA-6X	12VDC		80	310	"
ELC10MC11A24DC	4WMME6HA-6X	24VDC		"	"	"

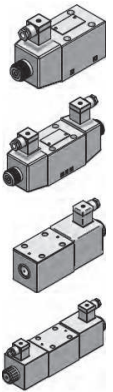
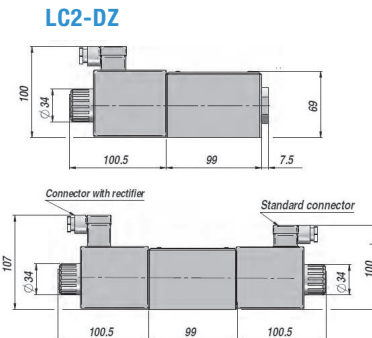
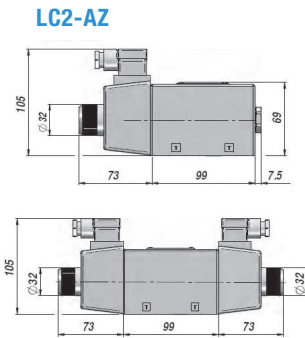
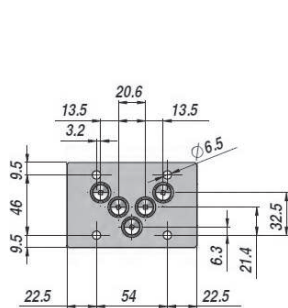
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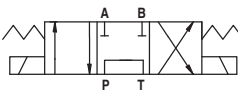
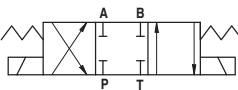
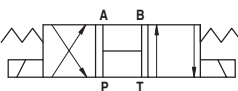
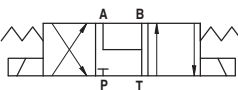
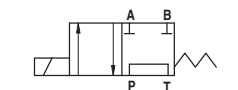
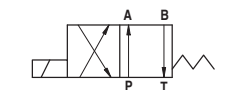
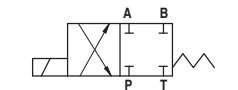
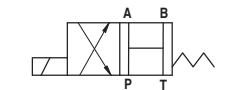
REFERENCES TENEES EN STOCK VOIR SITE INTERNET / REFERENCES HELD IN STOCK SEE WEBSITE

ELECTROVANNE
SOLENOID OPERATED DIRECTIONAL VALVE

CETOP 5

EL20

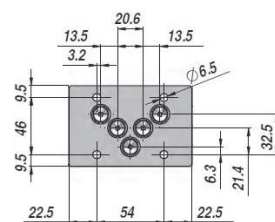
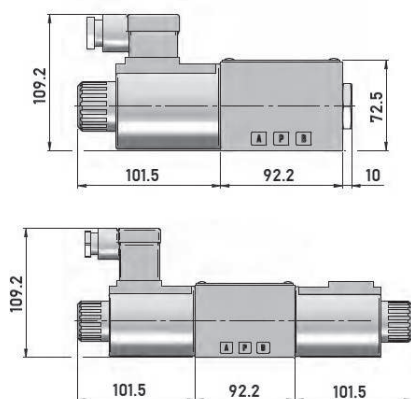
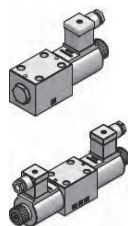


Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
EL20A02002450	LC2-A201 AZ	24/50VAC	 A201 (ex A2)	100	310	4.1
EL20A02011050	LC2-A201 AZ	110/50VAC		"	"	4.1
EL20A02022050	LC2-A201 AZ	220/50VAC		"	"	4.1
EL20A02012VDC	LC2-A201 DZ	12VDC		120	"	5.1
EL20A02024VDC	LC2-A201 DZ	24VDC		"	"	5.1
EL20B02002450	LC2-B201 AZ	24/50VAC	 B201 (ex B2)	100	310	4.1
EL20B02011050	LC2-B201 AZ	110/50VAC		"	"	4.1
EL20B02022050	LC2-B201 AZ	220/50VAC		"	"	4.1
EL20B02012VDC	LC2-B201 DZ	12VDC		120	"	5.1
EL20B02024VDC	LC2-B201 DZ	24VDC		"	"	5.1
EL20C02002450	LC2-C201 AZ	24/50VAC	 C201 (ex C2)	100	310	4.1
EL20C02011050	LC2-C201 AZ	110/50VAC		"	"	4.1
EL20C02022050	LC2-C201 AZ	220/50VAC		"	"	4.1
EL20C02012VDC	LC2-C201 DZ	12VDC		120	"	5.1
EL20C02024VDC	LC2-C201 DZ	24VDC		"	"	5.1
EL20E02002450	LC2-E201 AZ	24/50VAC	 E201 (ex E2)	100	310	4.1
EL20E02011050	LC2-E201 AZ	110/50VAC		"	"	4.1
EL20E02022050	LC2-E201 AZ	220/50VAC		"	"	4.1
EL20E02012VDC	LC2-E201 DZ	12VDC		120	"	5.1
EL20E02024VDC	LC2-E201 DZ	24VDC		"	"	5.1
EL20A11S02450	LC2-A301 AZ	24/50VAC	 A301 (ex A11S)	100	310	3.3
EL20A11S11050	LC2-A301 AZ	110/50VAC		"	"	3.3
EL20A11S22050	LC2-A301 AZ	220/50VAC		"	"	3.3
EL20A11S12VDC	LC2-A301 DZ	12VDC		120	"	4
EL20A11S24VDC	LC2-A301 DZ	24VDC		"	"	4
EL20A11C02450	LC2-Y301 AZ	24/50VAC	 Y301 (ex A11C)	100	310	3.3
EL20A11C11050	LC2-Y301 AZ	110/50VAC		"	"	3.3
EL20A11C22050	LC2-Y301 AZ	220/50VAC		"	"	3.3
EL20A11C12VDC	LC2-Y301 DZ	12VDC		120	"	4
EL20A11C24VDC	LC2-Y301 DZ	24VDC		"	"	4
EL20B11C02450	LC2-B301 AZ	24/50VAC	 B301 (ex B11C)	100	310	3.3
EL20B11C11050	LC2-B301 AZ	110/50VAC		"	"	3.3
EL20B11C22050	LC2-B301 AZ	220/50VAC		"	"	3.3
EL20B11C12VDC	LC2-B301 DZ	12VDC		120	"	4
EL20B11C24VDC	LC2-B301 DZ	24VDC		"	"	4
EL20C11A02450	LC2-C301 AZ	24/50VAC	 C301 (ex C11A)	100	310	3.3
EL20C11A11050	LC2-C301 AZ	110/50VAC		"	"	3.3
EL20C11A22050	LC2-C301 AZ	220/50VAC		"	"	3.3
EL20C11A12VDC	LC2-C301 DZ	12VDC		120	"	4
EL20C11A24VDC	LC2-C301 DZ	24VDC		"	"	4

SUR DEMANDE - ON REQUEST : VALVES MODULAIRES POUR ELECTROVANNES CETOP 5 - MODULAR VALVES FOR SOLENOID OPERATED DIRECTIONAL VALVES CETOP 5

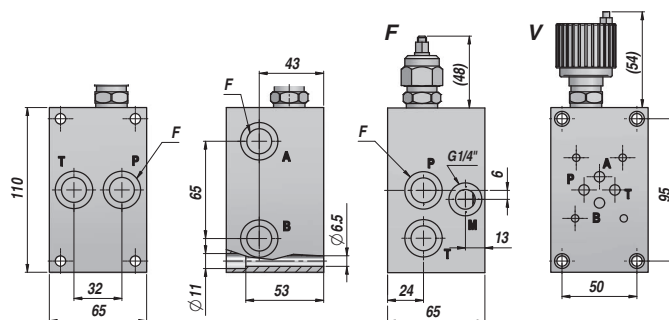
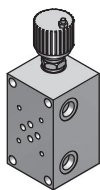
ELC20

CETOP 5

ELECTROVANNE
SOLENOID OPERATED DIRECTIONAL VALVE

Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
ELC20A02002450	4WE10G-6X	24/50VAC		120	310	6
ELC20A02011050	4WE10G-6X	110/50VAC		"	"	"
ELC20A02022050	4WE10G-6X	220/50VAC		"	"	"
ELC20A02012DC	4WE10G-6X	12VDC		"	"	"
ELC20A02024DC	4WE10G-6X	24VDC		120	310	"
ELC20B02002450	4WE10E-6X	24/50VAC		"	"	"
ELC20B02011050	4WE10E-6X	110/50VAC		"	"	"
ELC20B02022050	4WE10E-6X	220/50VAC		"	"	"
ELC20B02012DC	4WE10E-6X	12VDC		120	310	"
ELC20B02024DC	4WE10E-6X	24VDC		"	"	"
ELC20C02002450	4WE10H-6X	24/50VAC		"	"	"
ELC20C02011050	4WE10H-6X	110/50VAC		"	"	"
ELC20C02022050	4WE10H-6X	220/50VAC		120	310	"
ELC20C02012DC	4WE10H-6X	12VDC		"	"	"
ELC20C02024DC	4WE10H-6X	24VDC		"	"	"
ELC20E02002450	4WE10J-6X	24/50VAC		"	"	"
ELC20E02011050	4WE10J-6X	110/50VAC		120	310	4.3
ELC20E02022050	4WE10J-6X	220/50VAC		"	"	"
ELC20E02012DC	4WE10J-6X	12VDC		"	"	"
ELC20E02024DC	4WE10J-6X	24VDC		"	"	"
ELC20A11S02450	4WE10GA-6X	24/50VAC		120	310	"
ELC20A11S11050	4WE10GA-6X	110/50VAC		"	"	"
ELC20A11S22050	4WE10GA-6X	220/50VAC		"	"	"
ELC20A11S12DC	4WE10GA-6X	12VDC		"	"	"
ELC20A11S24DC	4WE10GA-6X	24VDC		120	310	"
ELC20A11C02450	4WE10D-6X	24/50VAC		"	"	"
ELC20A11C11050	4WE10D-6X	110/50VAC		"	"	"
ELC20A11C22050	4WE10D-6X	220/50VAC		"	"	"
ELC20A11C12DC	4WE10D-6X	12VDC		120	310	"
ELC20A11C24DC	4WE10D-6X	24VDC		"	"	"
ELC20B11C02450	4WE10EA-6X	24/50VAC		"	"	"
ELC20B11C11050	4WE10EA-6X	110/50VAC		"	"	"
ELC20B11C22050	4WE10EA-6X	220/50VAC		120	310	"
ELC20B11C12DC	4WE10EA-6X	12VDC		"	"	"
ELC20B11C24DC	4WE10EA-6X	24VDC		"	"	"
ELC20C11A02450	4WE10HA-6X	24/50VAC		"	"	"
ELC20C11A11050	4WE10HA-6X	110/50VAC		"	"	"
ELC20C11A22050	4WE10HA-6X	220/50VAC		"	"	"
ELC20C11A12DC	4WE10HA-6X	12VDC		"	"	"
ELC20C11A24DC	4WE10HA-6X	24VDC		"	"	"

SUR DEMANDE - ON REQUEST : VALVES MODULAIRES POUR ELECTROVANNES CETOP 5 - MODULAR VALVES FOR SOLENOID OPERATED DIRECTIONAL VALVES CETOP 5

ES3-B CETOP 3EMBASE DE MONTAGE POUR ELECTROVANNES AVEC LP
SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE

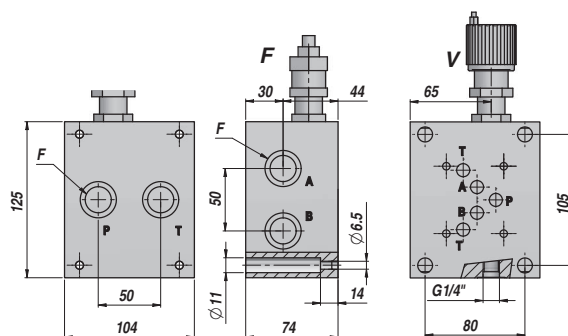
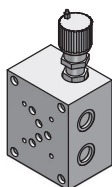
Code Code	Type Type	F BSP	kg
EV95050024	ES3-B-38-X.3F	3/8"	3,00
EV95050014	ES3-B-38-X.3V	3/8"	3,00

MATERIEL : FONTE
MATERIAL : CAST IRON

REGLAGE - SETTING : F = PAR CLEF - BY KEY V = PAR VOLANT - BY KNOB

PLAGE DE REGLAGE
SETTING RANGE

X.0F - X.0V : 5 - 50 bar
X.1F - X.1V : 30 - 100 bar
X.2F - X.2V : 50 - 210 bar
X.3F - X.3V : 100 - 350 bar (Standard)

ES5-B CETOP 5EMBASE DE MONTAGE POUR ELECTROVANNES AVEC LP
SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE

Code Code	Type Type	F BSP	kg
EV95070012	ES5-B-12-X.3F	1/2"	7,00
EV95070015	ES5-B-12-X.3V	1/2"	7,00

MATERIEL : FONTE
MATERIAL : CAST IRON

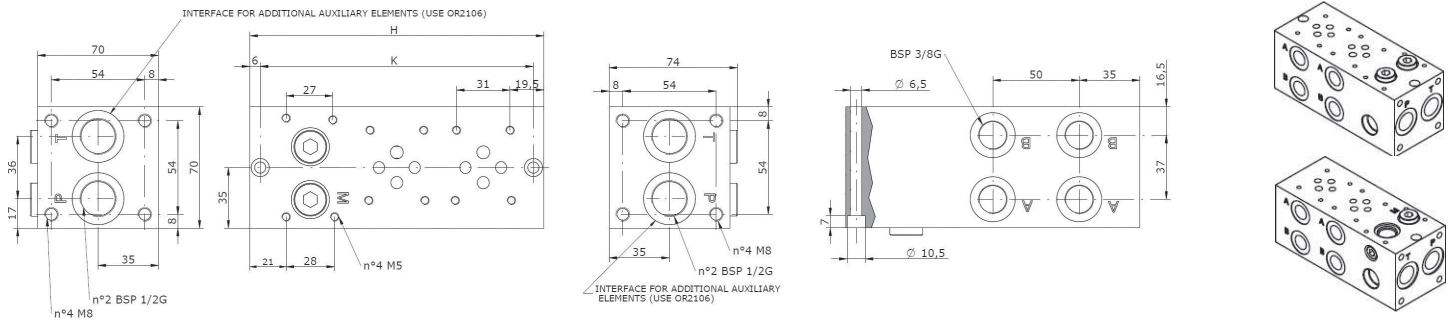
REGLAGE - SETTING : F = PAR CLEF - BY KEY V = PAR VOLANT - BY KNOB

PLAGE DE REGLAGE
SETTING RANGE

X.1F - X.1V : 5 - 60 bar
X.2F - X.2V : 35 - 120 bar
X.3F - X.3V : 80 - 300 bar (Standard)

EMBASE MULTIPLE POUR ELECTROVANNES PREDISPOSEE LP
MULTIPLE SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE READY

CETOP 3 EA06-21-38



Code Code	Type Type	N° postes Positions No.	A - B BSP	P - T BSP	H	K	kg
EVA0621380120	EA06-21-38-01-2	1	3/8"	1/2"	120	108	1.4
EVA0621380220	EA06-21-38-02-2	2			170	158	2
EVA0621380320	EA06-21-38-03-2	3			220	208	2.6
EVA0621380420	EA06-21-38-04-2	4			270	258	2.8
EVA0621380520	EA06-21-38-05-2	5			320	308	3.8
EVA0621380620	EA06-21-38-06-2	6			370	358	4.2
EVA0621380720	EA06-21-38-07-2	7			420	408	5.2
EVA0621380820	EA06-21-38-08-2	8			470	408	5.7
EVA0621380920	EA06-21-38-09-2	9			520	508	6.3
EVA0621381020	EA06-21-38-10-2	10			570	558	6.9

TYPE 2 OU 6 : EA06-21-38-__-2 : PREDISPOSEE LP / EA06-21-38-__-6 : PREDISPOSEE LP + By-Pass

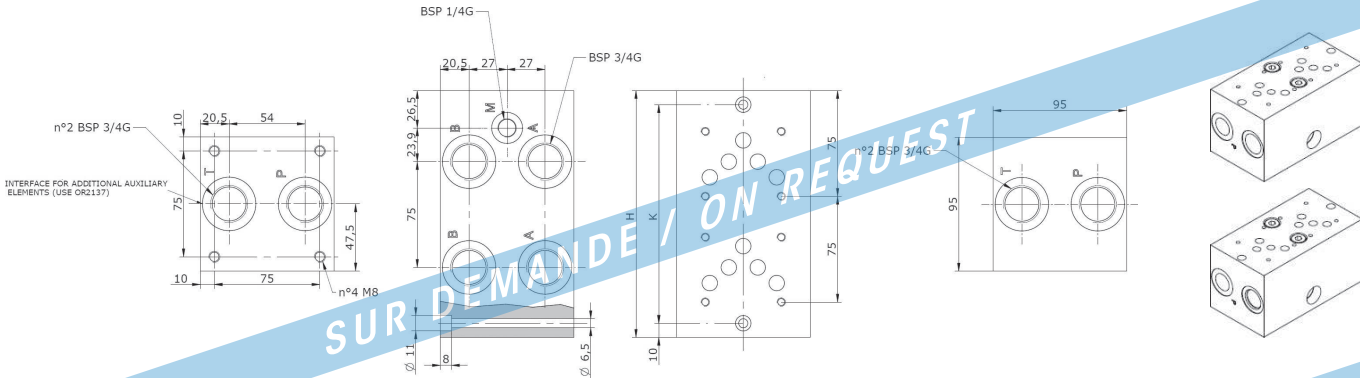
SUR DEMANDE MONTAGE LP : EMBASE MULTIPLE POUR ELECTROVANNES CETOP 3 AVEC LIMITEUR DE PRESSION
ON REQUEST RELIEF VALVE MOUNTING : MULTIPLE SUB-PLATE FOR CETOP 3 SOLENOID VALVES WITH RELIEF VALVE

MATERIEL : ALUMINIUM
MATERIAL : ALUMINIUM

ES10-06-34

CETOP 5

EMBASE MULTIPLE POUR ELECTROVANNES PREDISPOSEE LP
MULTIPLE SUB-PLATE FOR SOLENOID VALVES WITH RELIEF VALVE READY



Code Code	Type Type	N° postes Positions No.	A - B BSP	P - T BSP	H	K	kg
EVS1006340120	ES10-06-34-01-2	1	3/4"	3/4"	100	84	-
EVS1006340220	ES10-06-34-02-2	2			175	159	-
EVS1006340320	ES10-06-34-03-2	3			250	234	-
EVS1006340420	ES10-06-34-04-2	4			325	309	-
EVS1006340520	ES10-06-34-05-2	5			400	384	-
EVS1006340620	ES10-06-34-06-2	6			475	459	-
EVS1006340720	ES10-06-34-07-2	7			550	534	-
EVS1006340820	ES10-06-34-08-2	8			625	609	-
EVS1006340920	ES10-06-34-09-2	9			700	684	-
EVS1006341020	ES10-06-34-10-2	10			775	759	-

TYPE 2 OU 6 :

ES10-06-34-__-2 : PREDISPOSEE LP / ES10-06-34-__-6 : PREDISPOSEE LP + By-Pass

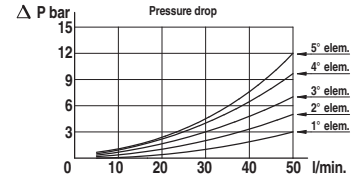
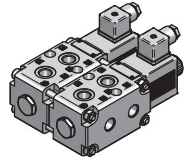
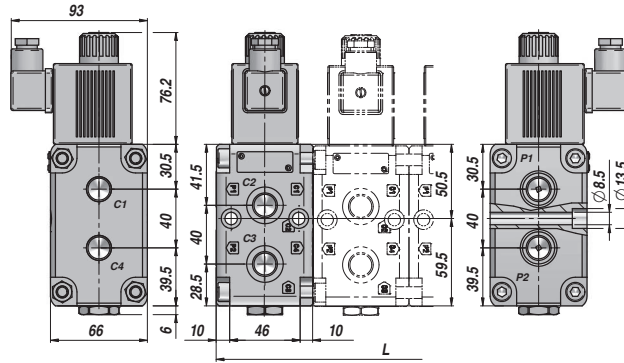
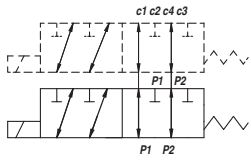
SUR DEMANDE MONTAGE LP : EMBASE MULTIPLE POUR ELECTROVANNES CETOP 5 AVEC LIMITEUR DE PRESSION
ON REQUEST RELIEF VALVE MOUNTING : MULTIPLE SUB-PLATE FOR CETOP 5 SOLENOID VALVES WITH RELIEF VALVE

MATERIEL : ACIER
MATERIAL : STEEL

SELECTEUR DE CIRCUIT ELECTRIQUE (EMPILABLE) SOLENOID OPERATED DIVERTER VALVE (MODULAR TYPE)

VS 241/F

DRAINAGE INTERNE INTERNAL DRAIN



Code Code	Code Code	Type Type	N° Elements Elements no.	Voies Ports	P1 - P2 C1 - C4 C2 - C3	Q MAX l/min	P MAX bar	L	kg
12 VDC	24 VDC				BSP				
ELVSF240112DC	ELVSF240124DC	VS241/F1-3/8"DZ-6B-DI-*-DIN-N	1	6	3/8"	50	250	66	3,35
ELVSF240212DC	ELVSF240224DC	VS241/F2-3/8"DZ-6B-DI-*-DIN-N	2	8	3/8"	50	250	132	6,70
ELVSF240312DC	ELVSF240324DC	VS241/F3-3/8"DZ-6B-DI-*-DIN-N	3	10	3/8"	50	250	198	10,05
ELVSF240412DC	ELVSF240424DC	VS241/F4-3/8"DZ-6B-DI-*-DIN-N	4	12	3/8"	50	250	264	13,40

*12DC= V12DC 24DC= V24DC

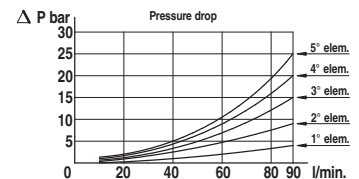
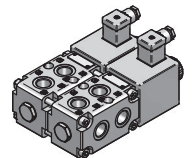
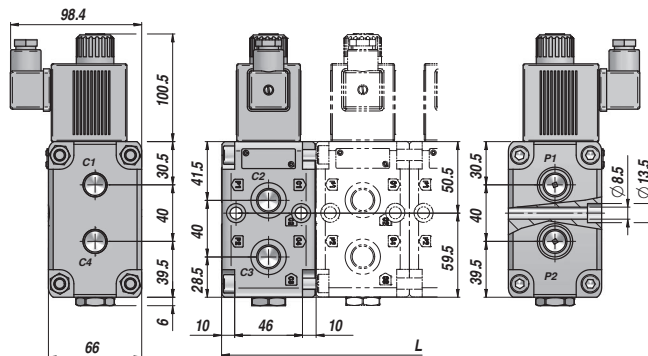
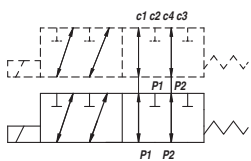
SUR DEMANDE : DRAINAGE EXTERNE P MAX.: 310 bar

ON REQUEST : EXTERNAL DRAIN P MAX.: 310 bar

SELECTEUR DE CIRCUIT ELECTRIQUE (EMPILABLE) SOLENOID OPERATED DIVERTER VALVE (MODULAR TYPE)

VS 281/F

DRAINAGE INTERNE INTERNAL DRAIN



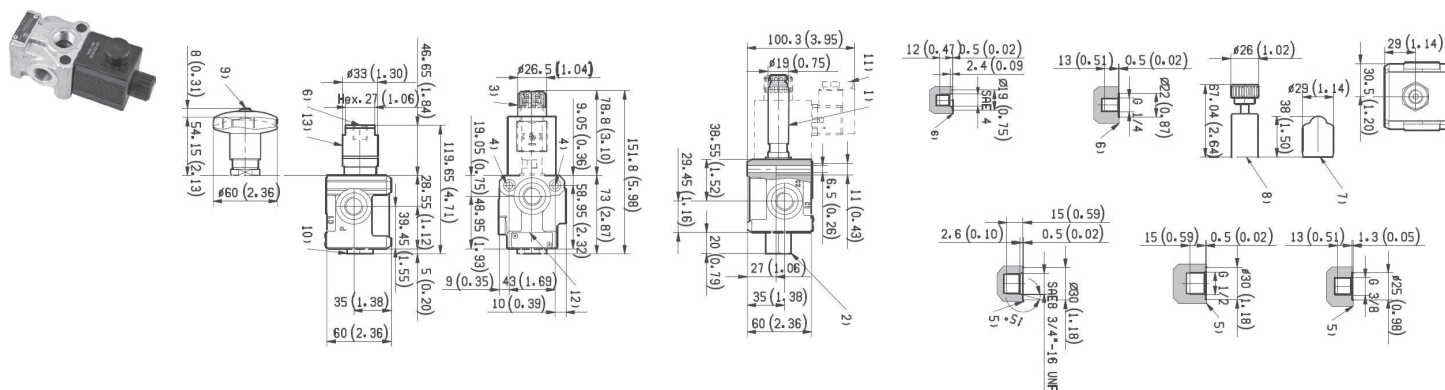
Code Code	Code Code	Type Type	N° Elements Elements no.	Voies Ports	P1 - P2 C1 - C4 C2 - C3	Q MAX l/min	P MAX bar	L	kg
12 VDC	24 VDC				BSP				
ELVSF280112DC	ELVSF280124DC	VS281/F1-3/8"DZ-6B-DI-*-DIN-N	1	6	1/2"	90	250	66	4,15
ELVSF280212DC	ELVSF280224DC	VS281/F2-3/8"DZ-6B-DI-*-DIN-N	2	8	1/2"	90	250	132	8,30
ELVSF280312DC	ELVSF280324DC	VS281/F3-3/8"DZ-6B-DI-*-DIN-N	3	10	1/2"	90	250	198	12,45
ELVSF280412DC	ELVSF280424DC	VS281/F4-3/8"DZ-6B-DI-*-DIN-N	4	12	1/2"	90	250	264	16,60

*12DC= V12DC 24DC= V24DC

SUR DEMANDE : DRAINAGE EXTERNE P MAX.: 310 bar

ON REQUEST : EXTERNAL DRAIN P MAX.: 310 bar

VS 82

SELECTEUR DE CIRCUIT ELECTRIQUE 3 VOIES
3 WAY SOLENOID OPERATED DIVERTER VALVE

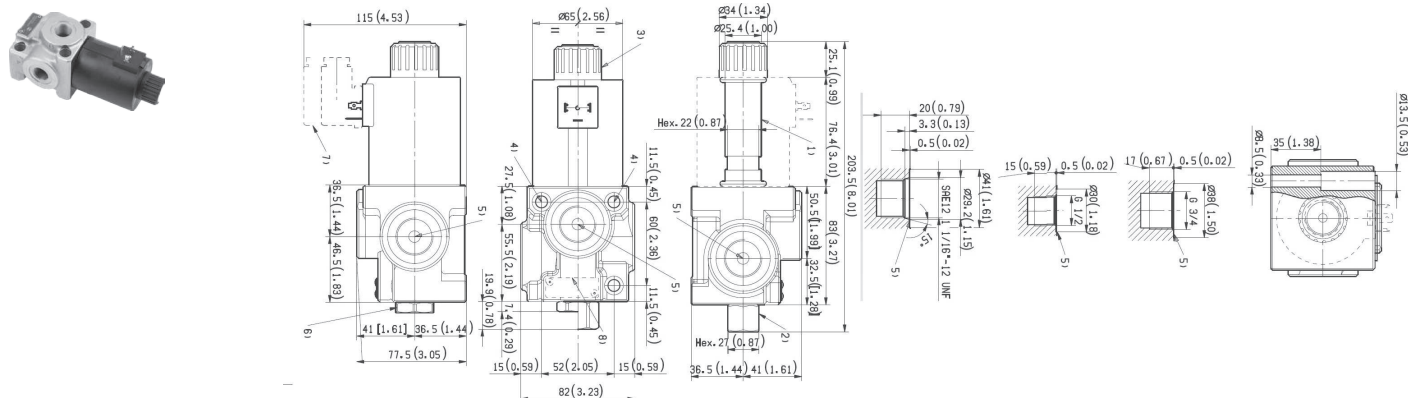
Code Code	Code Code	Type Type	N° Elements Elements no.	Voies Ports	P C1 - C2 BSP	Q MAX l/min	P MAX bar	kg
12 VDC	24 VDC							
ELVS082012	ELVS082024	L7054113AI*010	1	3	1/2"	60	250	1.74

Voltage type * : OB = V 12DC OC = V 24 DC

SUR DEMANDE : DRAINAGE EXTERNE P MAX.: 310 bar

ON REQUEST : EXTERNAL DRAIN P MAX.: 310 bar

VS 92

SELECTEUR DE CIRCUIT ELECTRIQUE 3 VOIES
3 WAY SOLENOID OPERATED DIVERTER VALVE

Code Code	Code Code	Type Type	N° Elements Elements no.	Voies Ports	P C1 - C2 BSP	Q MAX l/min	P MAX bar	kg
12 VDC	24 VDC							
ELVS092012	ELVS092024	L7065143AI*010	1	3	3/4"	140	250	4.5

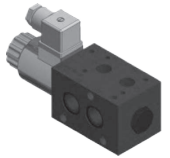
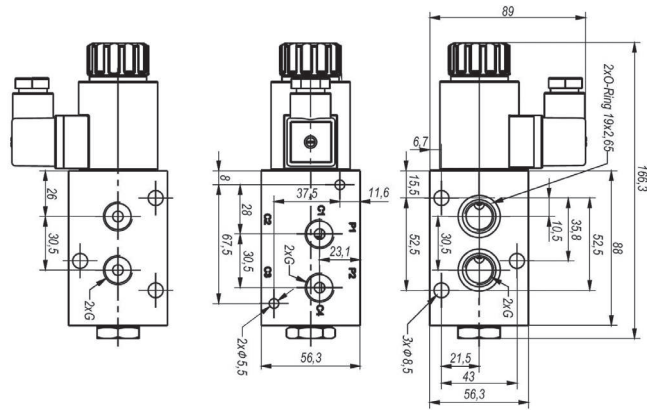
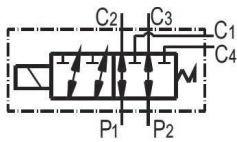
Voltage type * : OB = V 12DC OC = V 24 DC

SUR DEMANDE : DRAINAGE EXTERNE P MAX.: 310 bar

ON REQUEST : EXTERNAL DRAIN P MAX.: 310 bar

SELECTEUR DE CIRCUIT ELECTRIQUE
SOLENOID OPERATED DIVERTER VALVE

RS 06/-2



Code Code	Code Code	Type Type	N° Elements Elements no.	Voies Ports	P1 - P2 C1 - C4 C2 - C3 BSP	Q MAX l/min	P MAX bar	kg
12 VDC	24 VDC							
EL1RS063812DC	EL1RS063824DC	1RS0638/*-2	1	6	3/8"	50	250	2,29

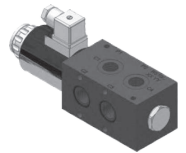
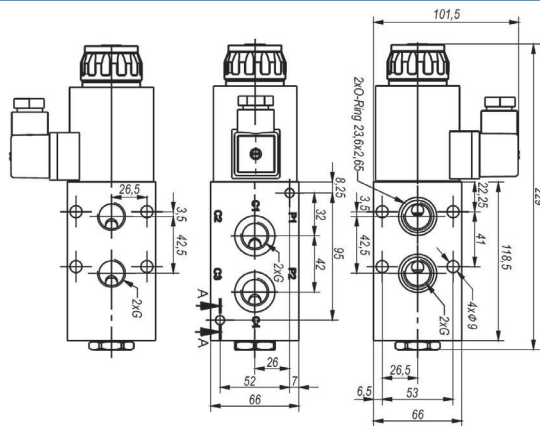
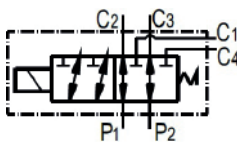
*12DC = V 12DC 24 DC = V 24 DC

SUR DEMANDE : DRAINAGE EXTERNE

ON REQUEST : EXTERNAL DRAIN

SELECTEUR DE CIRCUIT ELECTRIQUE
SOLENOID OPERATED DIVERTER VALVE

RS 10/-2



Code Code	Code Code	Type Type	N° Elements Elements no.	Voies Ports	P1 - P2 C1 - C4 C2 - C3 BSP	Q MAX l/min	P MAX bar	kg
12 VDC	24 VDC							
EL1RS101212DC	EL1RS101224DC	1RS10-12/*-2	1	6	1/2"	100	250	4,77

*12DC = V 12DC 24 DC = V 24 DC

SUR DEMANDE : DRAINAGE EXTERNE

ON REQUEST : EXTERNAL DRAIN

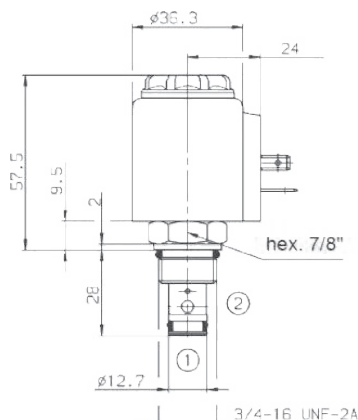
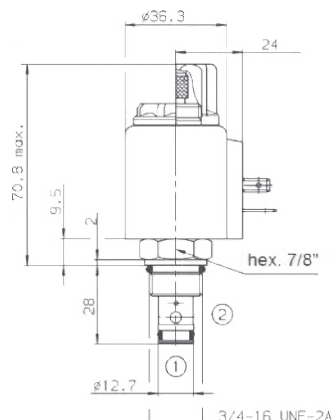
VALVES ELECTRIQUES SAE
SAE ELECTRIC VALVES

[illegible]

WS08**SAE 8****DISTRIBUTEUR A CLAPET 2/2 VALVES CARTOUCHE "SAE"
2/2 SOLENOID DIRECTIONAL VALVE "SAE" CARTRIDGE****NORMALEMENT FERME - NORMALLY CLOSED**

Type "WS08Z-01" / SAE 8

"WS-08Z-01" Type / SAE 8

Type "WS08ZR-01M" / SAE 8
avec Cde manuelle de secours
(flux inversé)"WS-08ZR-01M" Type / SAE8
with safety manual override
(reverse flow)

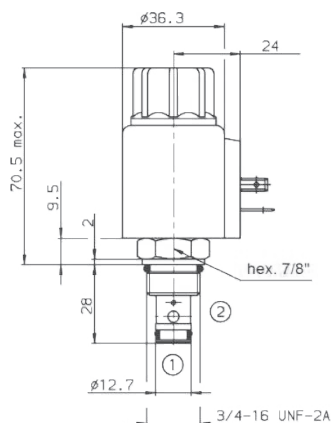
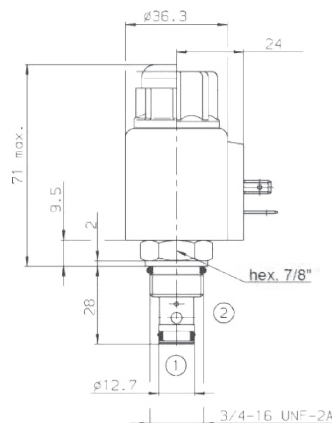
Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
HRV562611L40A0A	WS08Z-01 / NC	12 VDC		38	350	0,33
HRV562611L40A0D	WS08Z-01 / NC	24 VDC		38	350	0,33
HRV562611L40E2D	WS08ZR-01 M / NC	12 VDC		40	350	0,33
HRV562611L40E3D	WS08ZR-01 M / NC	24 VDC		40	350	0,33

SOLENOIDE DISPONIBLES SEPAREMENT 12VDC - 24VDC - 220/50VAC - SOLENOID AVAILABLE SEPARATELY 12VDC - 24VDC - 220/50VAC

BLOC FORE ALUMINIUM ORIFICE 3/8" ET 1/2" TENU EN STOCK - ALUMINUM BLOCK 3/8" AND 1/2" ORIFICE IN STOCK

NORMALEMENT OUVERT - NORMALLY OPENNormalement ouvert
Type "WS08Y-01" / SAE 8

"WS-08Y-01" Type / SAE 8

Type "WS08YR-01M" / SAE 8
avec Cde manuelle de secours
(flux inversé)"WS-08YR-01M" Type / SAE8 with
safety manual override
(reverse flow)

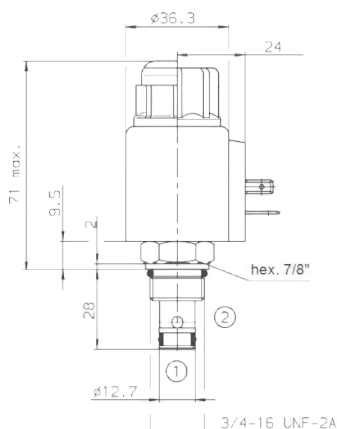
Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
HRV562611M0137H	WS08Y-01 / NO	12 VDC		38	350	0,33
HRV562611M0137L	WS08Y-01 / NO	24 VDC		38	350	0,33
HRV562611M0137U	WS08YR-01 M / NO (CDE VISSER)	12 VDC		40	350	0,33
HRV562611M0137S	WS08YR-01 M / NO (CDE VISSER)	24 VDC		40	350	0,33
HRV562611M0137N	WS08YR-01 M / NO (CDE INPULS.)	24 VDC		40	350	0,33

SOLENOIDE DISPONIBLES SEPAREMENT 12VDC - 24VDC - 220/50VAC - SOLENOID AVAILABLE SEPARATELY 12VDC - 24VDC - 220/50VAC

BLOC FORE ALUMINIUM ORIFICE 3/8" ET 1/2" TENU EN STOCK - ALUMINUM BLOCK 3/8" AND 1/2" ORIFICE IN STOCK

Type "WS08W-01M" / SAE 8
avec Cde manuelle de secours

"WS-08W-01M" Type / SAE8
with safety manual override



Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
HRV562611M3137B	WS08W-01 M / NC	12 VDC		19	250	0,33
HRV562611M3137C	WS08W-01 M / NC	24 VDC		19	250	0,33

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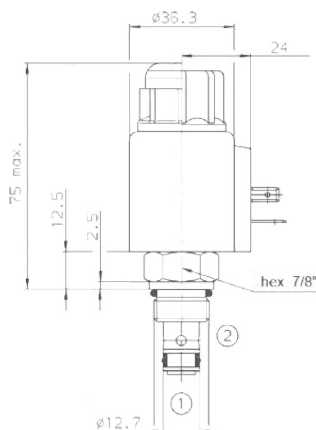
SOLENOIDE DISPONIBLES SEPAREMENT 12VDC - 24VDC - 220/50VAC - SOLENOID AVAILABLE SEPARATELY 12VDC - 24VDC - 220/50VAC

BLOC FORE ALUMINIUM ORIFICE 3/8" ET 1/2" TENU EN STOCK - ALUMINUM BLOCK 3/8" AND 1/2" ORIFICE IN STOCK

NORMALEMENT OUVERT - NORMALLY OPEN

Type "WS08V-01M" / SAE 8
avec Cde manuelle de secours

"WS-08V-01M" Type / SAE8
with safety manual override



Code Code	Type Type	Tension Voltage	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
HRV562611M3214D	WS08V-01 M / NO	12 VDC		20	350	0,33
HRV562611M3214E	WS08V-01 M / NO	24 VDC		20	350	0,33

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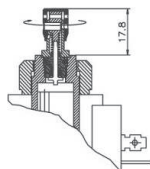
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SOLENOIDE DISPONIBLES SEPAREMENT 12VDC - 24VDC - 220/50VAC - SOLENOID AVAILABLE SEPARATELY 12VDC - 24VDC - 220/50VAC

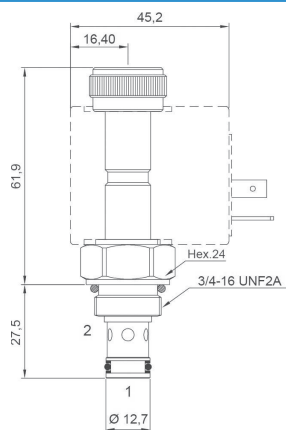
BLOC FORE ALUMINIUM ORIFICE 3/8" ET 1/2" TENU EN STOCK - ALUMINUM BLOCK 3/8" AND 1/2" ORIFICE IN STOCK

Type "0502.1 -- 5" / SAE 8
"0502.1 -- 5" Type / SAE 8

avec Cde manuelle de secours
with safety manual override



Push and
Twist



Code Code	Type Type	Tension Voltage	Position non piloté Unpowered position	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
CARTOUCHE SEUL - CARTRIDGE ONLY							
HRV0502100500	0502.1 -- 5 / SAE 8		NORMALEMENT FERME (NC)		20	250	0,14

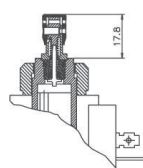
SOLENOIDE SEUL - SOLENOID ONLY

HRV094001000	94001	12 VDC					0,16
HRV094002000	94002	24 VDC					0,16
HRV093007130	9300713	24V RAC					0,16

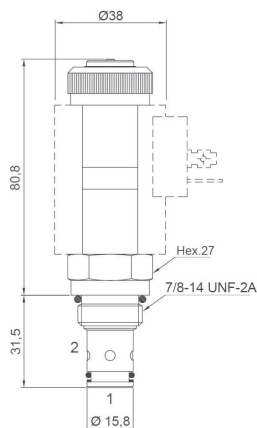
BLOC FORE ALUMINIUM ORIFICE 3/8" ET 1/2" TENU EN STOCK - ALUMINUM BLOCK 3/8" AND 1/2" ORIFICE IN STOCK

Type "0553.0 -- 4" / SAE 10
"0553.0 -- 4" Type / SAE 10

avec Cde manuelle de secours
with safety manual override

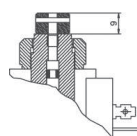


Push
Button

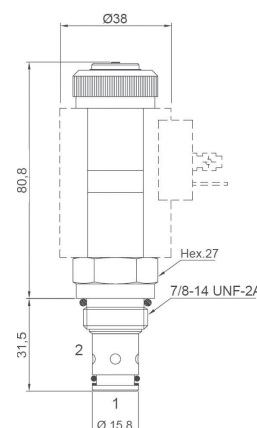


Type "0553.1 -- 6" / SAE 10
"0553.1 -- 6" Type / SAE 10

avec Cde manuelle de secours
with safety manual override



Unscrew type



Code Code	Type Type	Tension Voltage	Position non piloté Unpowered position	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
CARTOUCHE SEUL - CARTRIDGE ONLY							
HRV0553000400	0553.0 -- 4 / SAE 10		NORMALEMENT OUVERTE (NO)		60	350	0,28
HRV0553100600	0553.1 -- 6 / SAE 10		NORMALEMENT FERME (NC)		60	350	0,28

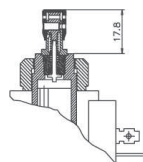
SOLENOIDE SEUL - SOLENOID ONLY

HRV0980111900	9801119	12 VDC					0,24
HRV0980121900	9801219	24 VDC					0,24
HRV0980161900	9801619	220V RAC					0,24

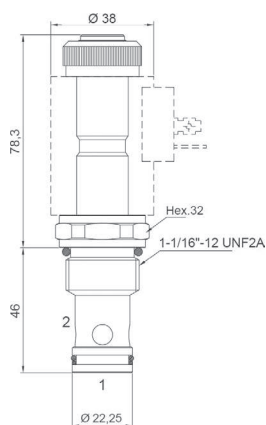
BLOC FORE ALUMINIUM ORIFICE 3/8" ET 1/2" TENU EN STOCK - ALUMINUM BLOCK 3/8" AND 1/2" ORIFICE IN STOCK

Type "0554.0 -- 4" / SAE 12
"0554.0 -- 4" Type / SAE 12

avec Cde manuelle de secours
with safety manual override

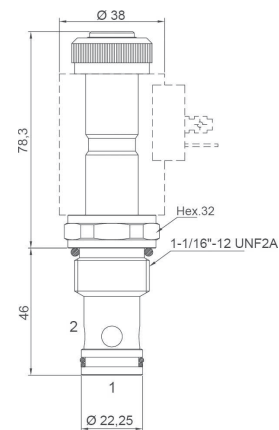
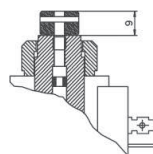


Push Button



Type "0554.1 -- 6" / SAE 12
"0554.1 -- 6" Type / SAE 12

avec Cde manuelle de secours
with safety manual override

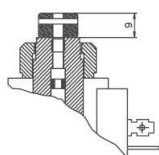


Code Code	Type Type	Tension Voltage	Position non piloté Unpowered position	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
CARTOUCHE SEUL - CARTRIDGE ONLY							
HRV0554000400	0554.0 -- 4 / SAE 12		NORMALEMENT OUVERTE (NO)		150	350	0,36
HRV0554100600	0554.1 -- 6 / SAE 12		NORMALEMENT FERME (NC)		150	350	0,36
SOLENOIDE SEUL - SOLENOID ONLY							
HRV0980111900	9801119	12 VDC					0,24
HRV0980121900	9801219	24 VDC					0,24
HRV0980161900	9801619	220V RAC					0,24

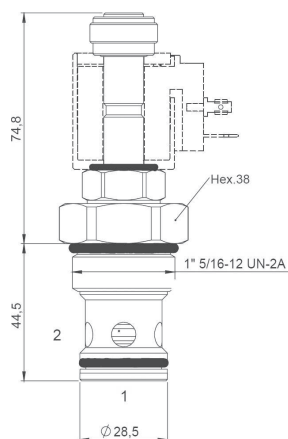
BLOC FORE ALUMINIUM ET ACIER ORIFICE 3/4" ET 1" TENU EN STOCK - ALUMINUM AND STEEL BLOCK 3/4" ET 1" ORIFICE IN STOCK

Type "0565.1 -- 6" / SAE 16
"0565.1 -- 6" Type / SAE 16

avec Cde manuelle de secours
with safety manual override



Unscrew type



Code Code	Type Type	Tension Voltage	Position non piloté Unpowered position	Symbole Hydraulique Hydraulic Symbol	Q MAX l/min	P MAX bar	kg
CARTOUCHE SEUL - CARTRIDGE ONLY							
HRV0565100600	0565.1 -- 6 / SAE 16		NORMALEMENT FERME (NC)		200	350	0,44
SOLENOIDE SEUL - SOLENOID ONLY							
HRV094001000	94001	12 VDC					0,16
HRV094002000	94002	24 VDC					0,16
HRV093007130	9300713	24V RAC					0,16

BLOC FORE SUR DEMANDE - BLOCK ON REQUEST

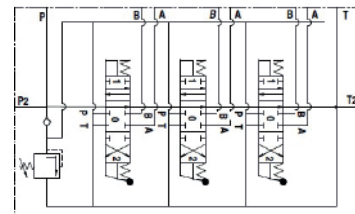
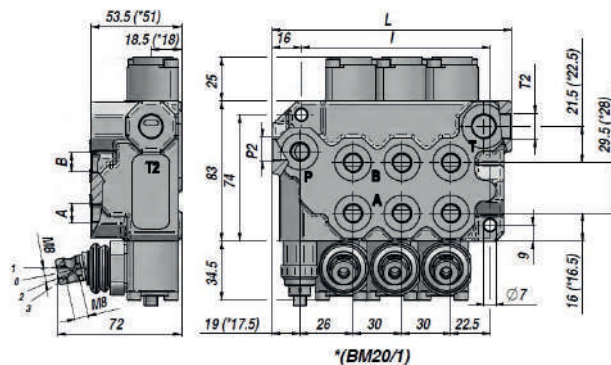
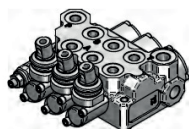
DISTRIBUTEURS MONOBLOC
MONOBLOCK VALVES[illegible]

BM 20

Qn
17 l/min

Q max
25 l/min

DISTRIBUTEUR MONOBLOC
MONOBLOCK VALVE



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM0111001	BM 20/1/GU/MO A1	1	1/4"	1/4"	3/8"	3/8"	3/8"	250	320	80	76	50	1.5
DBM0211001	BM 20/2/GU/MO A1 x 2	2									111.5	80	2.7
DBM0311001	BM 20/3/GU/MO A1 x 3	3									141.5	110	3.8
DBM0411001	BM 20/4/GU/MO A1 x 4	4									171.5	140	4.6
DBM0511001	BM 20/5/GU/MO A1 x 5	5									201.5	170	5.4
DBM0611001	BM 20/6/GU/MO A1 x 6	6									231.5	200	6.2

PN = Pression nominale - Nominal pressure

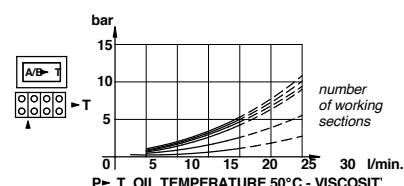
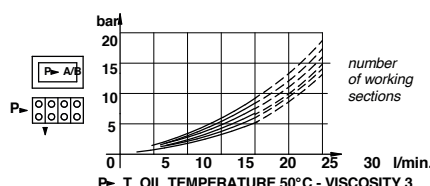
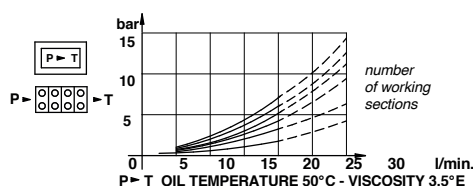
P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP PREDISPOSITION POUR CENTRE A SUIVRE

THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
K	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
16	

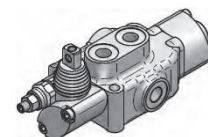
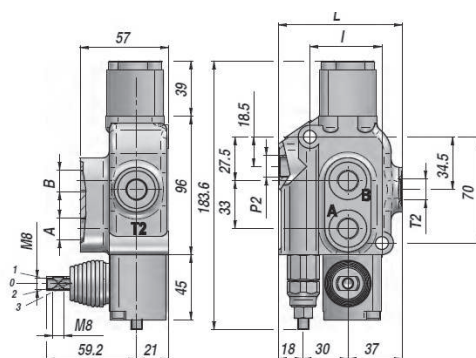
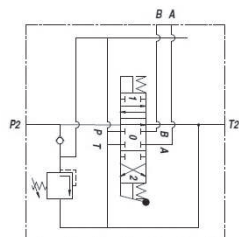
SUR DEMANDE ON REQUEST	
MC	Commande manuelle + teton Manual operator with cam
MX	Levier de sécurité Safety lever
DO	Came de commande Cam operator
JS	Double commande Joystick
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre fermé Closed center plug

DISTRIBUTEUR MONOBLOC MONOBLOCK VALVE

Q_n
35 l/min

Q_{max}
45 l/min

BM 30



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM1111001	BM 30/1/GU/MO A1	1	3/8"			3/8"	3/8"	250		80	85	46	2.2

PN = Pression nominale - Nominal pressure

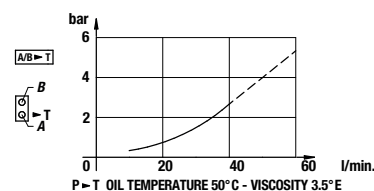
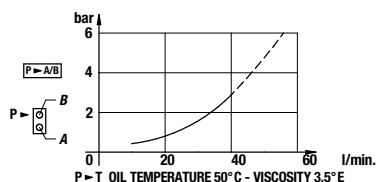
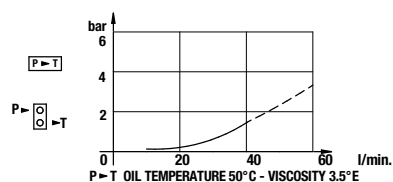
P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP

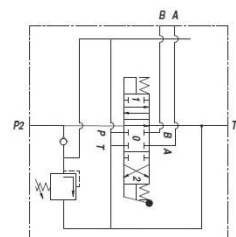
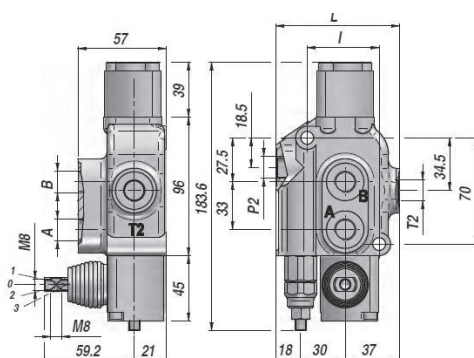
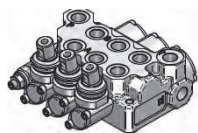
THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Come de commande Cam operator
1P	Commande pneumatique Pneumatic operator
MSW	Microrupteur Microswitch

BM 35**Q_n**
25 l/min**Q_{max}**
35 l/min**DISTRIBUTEUR MONOBLOC**
MONOBLOCK VALVE

Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM8111001	BM 35/1/GU/MO A1	1	3/8"	3/8"	3/8"	3/8"	3/8"	250	320	80	81.5	50	1.8
DBM8211001	BM 35/2/GU/MO A1 x 2	2									111.5	80	2.7
DBM8311001	BM 35/3/GU/MO A1 x 3	3									141.5	110	3.8
DBM8411001	BM 35/4/GU/MO A1 x 4	4									171.5	140	4.6
DBM8511001	BM 35/5/GU/MO A1 x 5	5									201.5	170	5.4
DBM8611001	BM 35/6/GU/MO A1 x 6	6									231.5	200	6.2

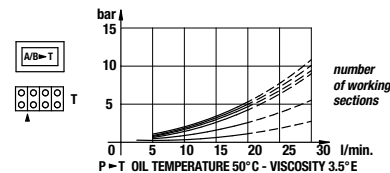
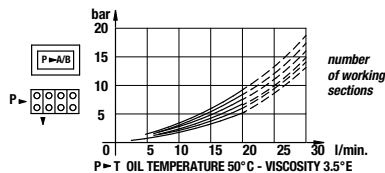
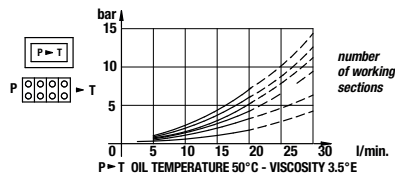
PN = Pression nominale - Nominal pressure

P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMÉE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE
 THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
K	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
16	

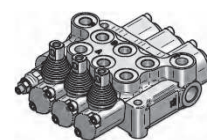
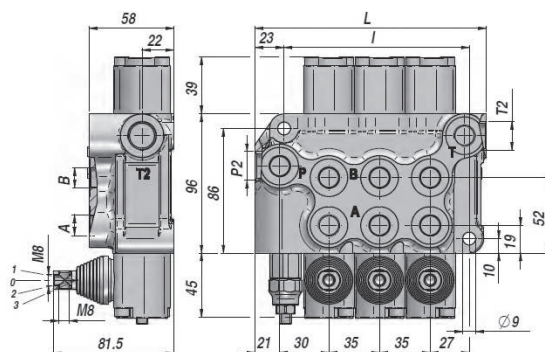
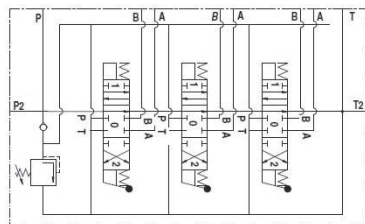
SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Came de commande Cam operator
JS	Double commande Joystick
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre fermé Closed center plug

DISTRIBUTEUR MONOBLOC MONOBLOCK VALVE

Qn
35 l/min

Q max
45 l/min

BM 40



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM2111001	BM 40/1/GU/MO A1	1	3/8"	3/8"	3/8"	1/2"	1/2"	250	320	80	90	55	2.5
DBM2211001	BM 40/2/GU/MO A1x2	2									125	90	3.7
DBM2311001	BM 40/3/GU/MO A1x3	3									160	125	5
DBM2411001	BM 40/4/GU/MO A1x4	4									195	160	6.2
DBM2511001	BM 40/5/GU/MO A1x5	5									230	195	7.4
DBM2611001	BM 40/6/GU/MO A1x6	6									265	230	8.6
DBM2711001	BM 40/7/GU/MO A1x7	7									300	265	9.8
DBM2811001	BM 40/8/GU/MO A1x8	8									335	300	11

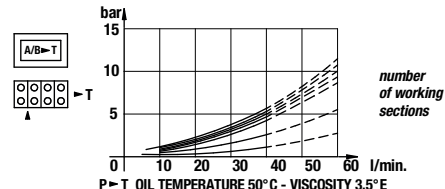
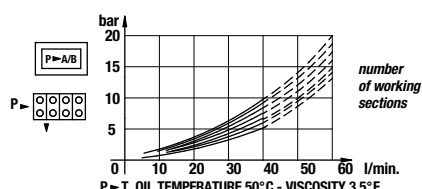
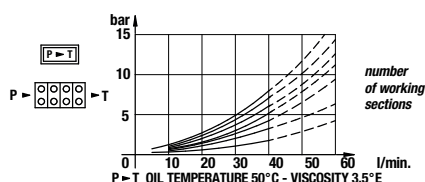
PN = Pression nominale - Nominal pressure

P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

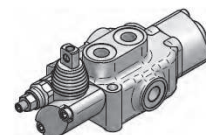
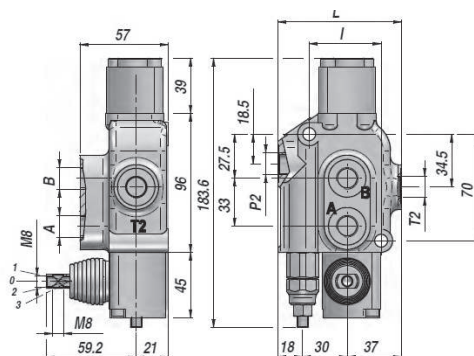
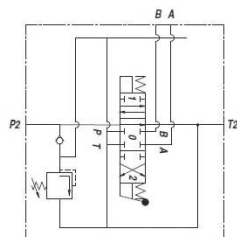
LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE
THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Come de commande Cam operator
JS	Double commande Joystick
1P	Commande pneumatique Pneumatic operator
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre fermé Closed center plug

BM 45**Qn**
45 l/min**Q max**
60 l/min**DISTRIBUTEUR MONOBLOC**
MONOBLOCK VALVE

Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM1120001	BM 45/1/GU/MO A1	1	1/2"			1/2"	1/2"	250		80	85	46	2,2

PN = Pression nominale - Nominal pressure

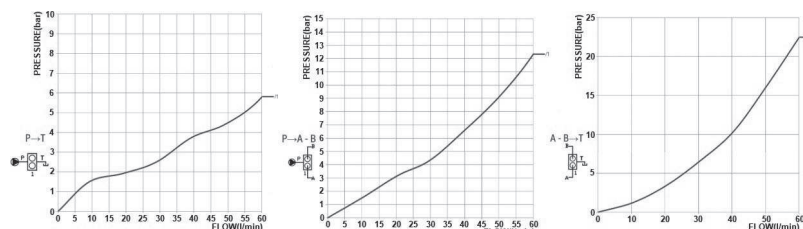
P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP

THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

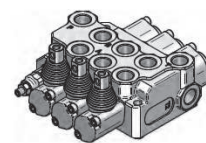
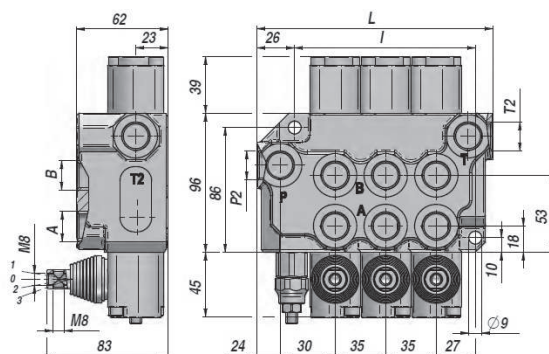
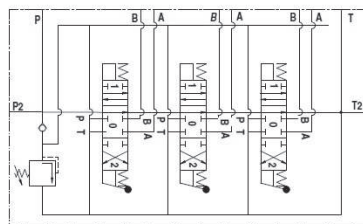
SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Come de commande Cam operator
1P	Commande pneumatique Pneumatic operator
MSW	Microrupteur Microswitch

DISTRIBUTEUR MONOBLOC MONOBLOCK VALVE

Qn
50 l/min

Q max
60 l/min

BM 50



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM3111001	BM 50/1/GU/MO A1	1	1/2"	1/2"	1/2"	1/2"	1/2"	250	320	80	94	55	2,8
DBM3211001	BM 50/2/GU/MO A1x2	2									129	90	4,2
DBM3311001	BM 50/3/GU/MO A1x3	3									164	125	5,5
DBM3411001	BM 50/4/GU/MO A1x4	4									199	160	6,7
DBM3511001	BM 50/5/GU/MO A1x5	5									234	195	7,9
DBM3611001	BM 50/6/GU/MO A1x6	6									269	230	9,3
DBM3811001	BM 50/8/GU/MO A1x8	8									339	300	12,8

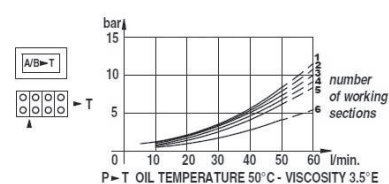
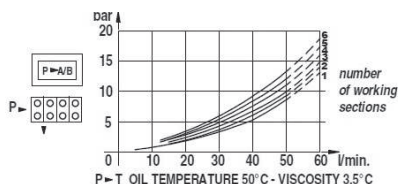
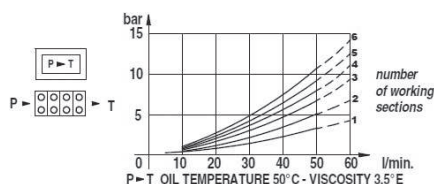
PN = Pression nominale - Nominal pressure

P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE
THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

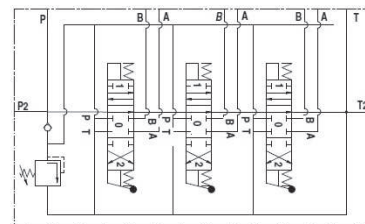
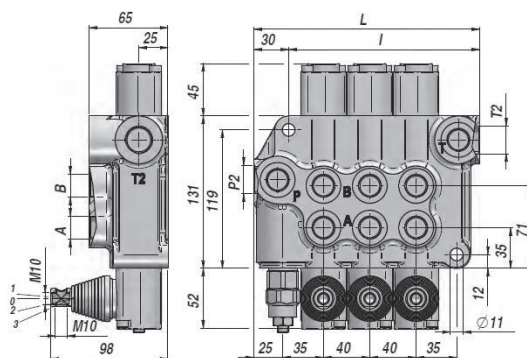
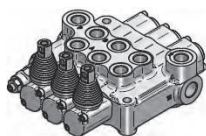
SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Come de commande Cam operator
JS	Double commande Joystick
1P	Commande pneumatique Pneumatic operator
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre fermé Closed center plug

BM 70

Qn
65l/min

Q max
90 l/min

DISTRIBUTEUR MONOBLOC
MONOBLOCK VALVE



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM4111020	BM 70/1/GU/MO A1	1	1/2"	1/2"	1/2"	3/4"	3/4"	250	320	80	117	66	4,6
DBM4211001	BM 70/2/GU/MO A1x2	2									157	106	7
DBM4311001	BM 70/3/GU/MO A1x3	3									197	146	9,2
DBM4411001	BM 70/4/GU/MO A1x4	4									237	186	11,5
DBM4511001	BM 70/5/GU/MO A1x5	5									277	226	13,7
DBM4611001	BM 70/6/GU/MO A1x6	6									317	266	16

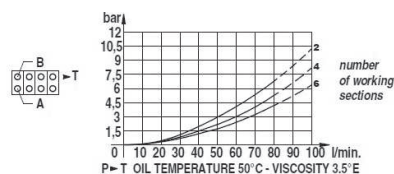
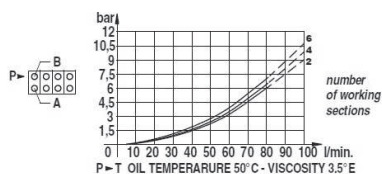
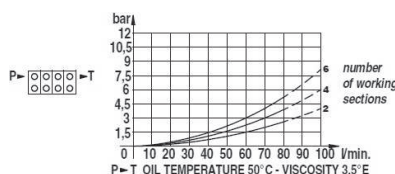
PN = Pression nominale - Nominal pressure

P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PRÉDISPOSITION POUR CENTRE A SUIVRE
THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

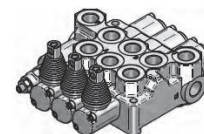
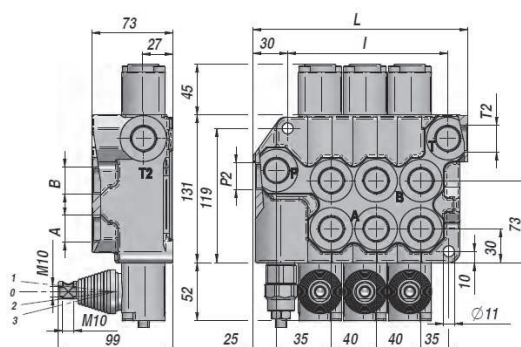
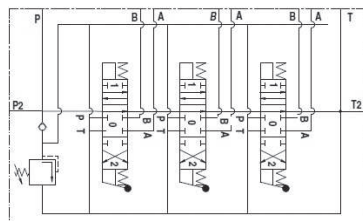
SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
DO	Come de commande Cam operator
JS	Double commande Joystick
1P	Commande pneumatique Pneumatic operator
HO	Commande hydraulique Hydraulic control
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre fermé Closed center plug

DISTRIBUTEUR MONOBLOC MONOBLOCK VALVE

Qn
90 l/min

Q max
100 l/min

BM 100



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM5111001	BM100/1/GU/MO A1	1									115	66	4,7
DBM5211001	BM100/2/GU/MO A1 x 2	2	3/4"	3/4"	3/4"	3/4"	3/4"	250	320	80	115	106	7,2
DBM5311001	BM100/3/GU/MO A1 x 3	3									195	146	9,5

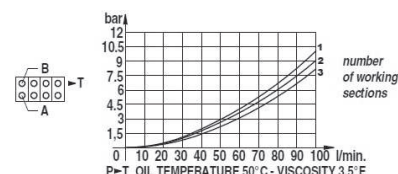
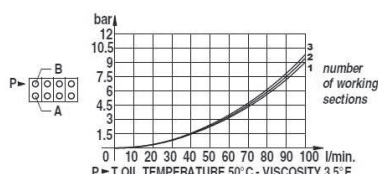
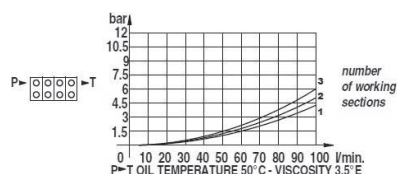
PN = Pression nominale - Nominal pressure

P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PRÉDISPOSITION POUR CENTRE A SUIVRE
THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

SUR DEMANDE ON REQUEST	
MC	Commande manuelle + t��ton Manual control with cam
DO	Come de commande Cam operator
JS	Double commande Joystick
1P	Commande pneumatique Pneumatic operator
HO	Commande hydraulique Hydraulic control
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre ferm�� Closed center plug

DISTRIBUTEURS MONOBLOC ET EMPILABLES - MONOBLOCK AND SECTIONAL VALVES

BM 150

Q_n
140 l/min

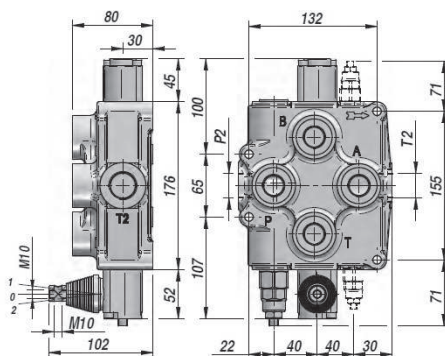
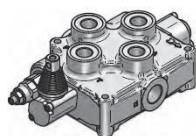
Q_{max}
180 l/min

BM 180

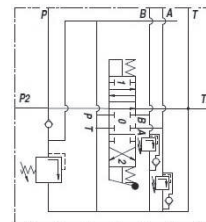
Q_n
170 l/min

Q_{max}
190 l/min

DISTRIBUTEUR MONOBLOC
MONOBLOCK VALVE



SCHEMA AVEC "VLC-AB"
DIAGRAM WITH "VLC-AB"



Code <i>Code</i>	Type <i>Type</i>	N° Leviers <i>Sections No.</i>	Orlfaces - <i>Threads</i>					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBM61111001	BM150/1/GU/MO A1	1	3/4"	3/4"	3/4"	1"	1"	250	320	80	160	132	8,2
DBM71111001	BM180/1/GU/MO A1	2	1"	1"	1"	1"	1"	250	320	80	160	132	8,2

PN = Pression nominale - Nominal pressure

P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

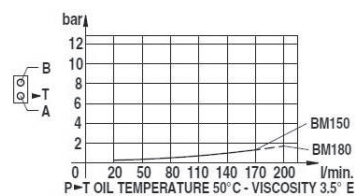
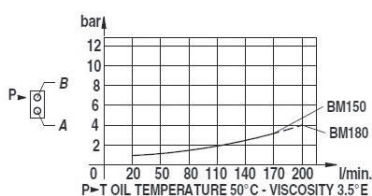
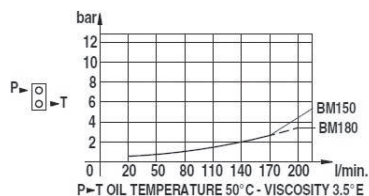
Limiteur de pression - Relief Valve : X=30:90 bar (70) - U= 80:230 bar (140) (Standard) - K= 150:300 bar (200)

SUR DEMANDE : VALVES AUXILIAIRES VL = LIMITEUR DE PRESSION - VC = VALVE ANTICAVITATION - VLC = LIMITEUR DE PRESSION ET VALVE ANTICAVITATION

ON REQUEST : AUXILIARY VALVES VL = RELIEF VALVE - VC = ANTICAVITATION VALVE - VLC = RELIEF VALVE AND ANTICAVITATION VALVE

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE

THESE CODES REFER TO: DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



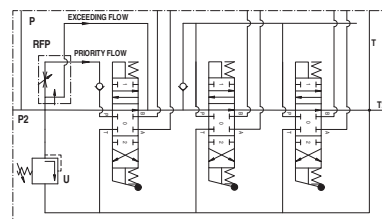
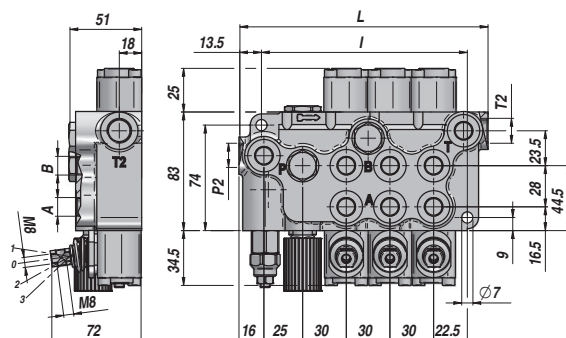
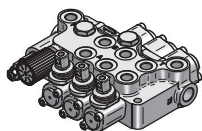
TIROIR SPOOL TYPE	
A	
B	
C	
D	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	

SUR DEMANDE ON REQUEST	
MC	Commande manuelle + téton Manual control with cam
DO	Come de commande Cam operator
1P	Commande pneumatique Pneumatic operator
HO	Commande hydraulique Hydraulic control
MSW	Microrupteur Microswitch
CO	Centre a suivre Power beyond (carry over)
CCP	Centre fermé Closed center plug

DISTRIBUTEURS MONOBLOC + REGULATEUR DE DEBIT PRIORITAIRE MONOBLOCK VALVES WITH FLOW CONTROL

[illegible]

BF 201**Q_n**
17 l/min**Q_{max}**
25 l/min**DISTRIBUTEUR MONOBLOC + RFP**
MONOBLOCK VALVE + RFP

Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBF0108001	BF 201/1/GU/MO A1	1									106	80	2,40
DBF0208001	BF 201/2/GU/MO A1 x 2	2									136	110	3,20
DBF0308001	BF 201/3/GU/MO A1 x 3	3	1/4"	1/4"	3/8"	3/8"	3/8"	250	320	80	166	140	4,00
DBF0408001	BF 201/4/GU/MO A1 x 4	4									196	170	4,80
DBF0508001	BF 201/5/GU/MO A1 x 5	5									226	200	5,60

RFP = Regulateur de débit prioritaire (compense en pression) - Priority control flow divider (pressure compensated)

PN = Pression nominale - Nominal pressure

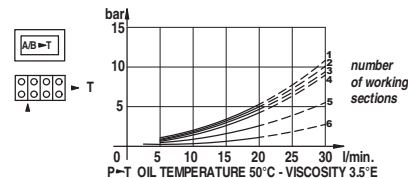
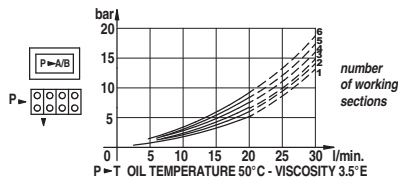
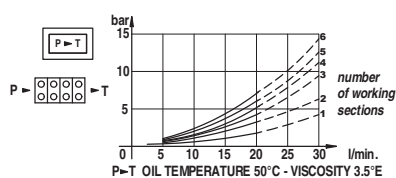
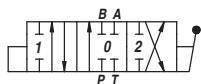
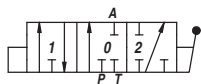
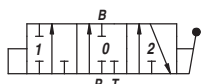
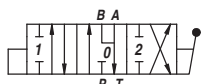
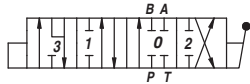
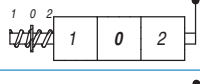
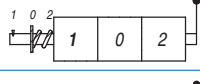
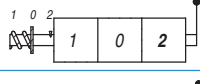
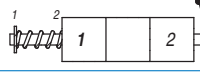
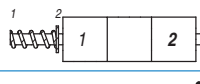
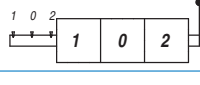
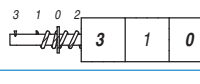
P MAX U = Pression maxi sur les orifices - Max. pressure on ports

P MAX S = Pression maxi sur le retour - Max. pressure in tank-line

Limiteur de pression - Relief Valve : X=30:90bar (70) - U=80:230bar (140) (Standard) - K=150:300bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE

THESE CODES REFER TO : DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER

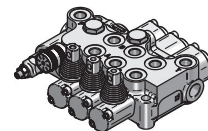
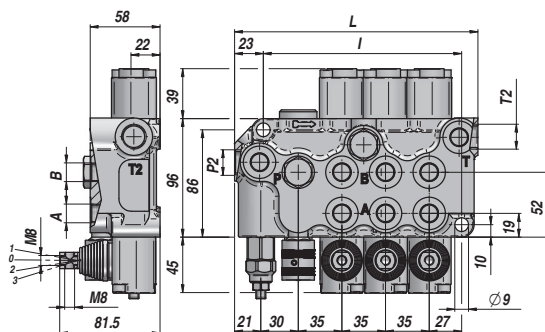
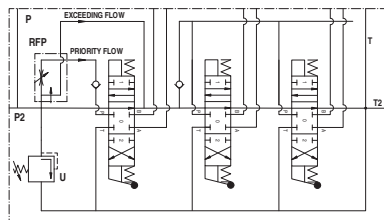
**TIROIR**
SPOOL TYPE**A****B****C****D****K****POSITIONNEUR**
SPOOL CONTROL**1****2****3****6****7****8****16****SUR DEMANDE**
ON REQUEST**MC**Commande manuelle + taton
Manual control with cam**MX**Levier de sécurité
Safety lever**DO**Came de commande
Cam control**JS**Double commande
Joystick**MSW**Microrupteur
Microswitch**CO**Centre à suivre
Power beyond (carry over)

DISTRIBUTEUR MONOBLOC + RFP MONOBLOCK VALVE + RFP

Qn
35 l/min

Q max
45 l/min

BF 401



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBF2111001	BF 401/1/GU/MO A1	1									125	90	3,90
DBF2211001	BF 401/2/GU/MO A1x2	2									160	125	5,20
DBF2311001	BF 401/3/GU/MO A1x3	3									195	160	6,40
DBF2411001	BF 401/4/GU/MO A1x4	4	3/8"	3/8"	3/8"	1/2"	1/2"	250	320	80	230	195	7,60
DBF2511001	BF 401/5/GU/MO A1x5	5									265	230	8,80
DBF2611001	BF 401/6/GU/MO A1x6	6									300	265	10,00

RFP = Regulateur de débit prioritaire (compense en pression) - Priority control flow divider (pressure compensated)

PN = Pression nominale - Nominal pressure

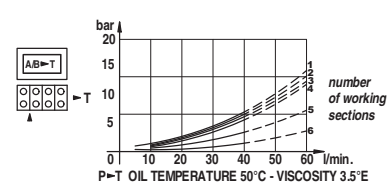
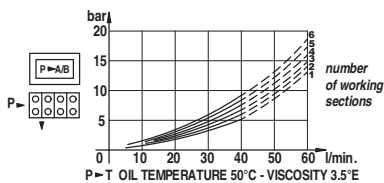
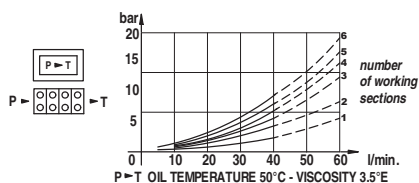
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Limiteur de pression - Relief Valve : X=30:90bar (70) - U=80:230bar (140) (Standard) - K=150:300bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE

THESE CODES REFER TO : DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER



TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

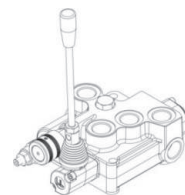
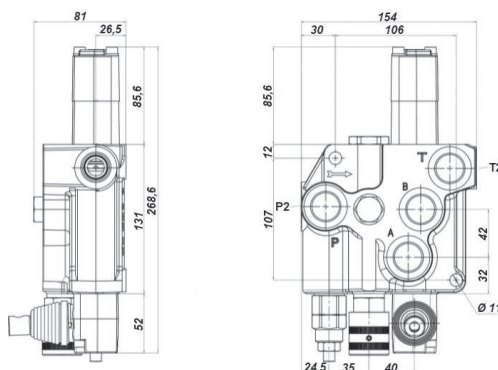
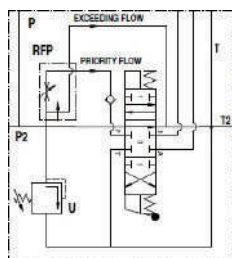
SUR DEMANDE ON REQUEST	
MC	Commande manuelle + teton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Came de commande Cam control
JS	Double commande Joystick
1P	Commande pneumatique Pneumatic control
MSW	Microrupteur Microswitch
CO	Centre à suivre Power beyond (carry over)

DISTRIBUTEUR MONOBLOC + RFP MONOBLOCK VALVE + RFP

Qn
90 l/min

Q max
120 l/min

BF 901



Code Code	Type Type	N° Leviers Sections No.	Orifices - Threads					PN bar	P MAX U bar	P MAX S bar	L	I	kg
			A-B BSP	P BSP	T BSP	P2 BSP	T2 BSP						
DBF5110001	BF 901/1/GU/MO A1	1	3/4"	3/4"	3/4"	3/4"	3/4"	250	320	80	154	106	7.41

RFP = Regulateur de débit prioritaire (compense en pression) - Priority control flow divider (pressure compensated)

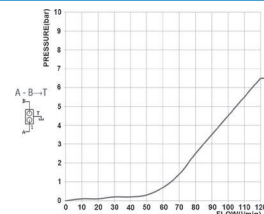
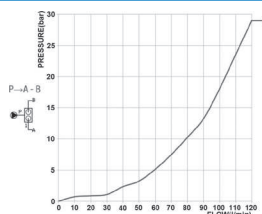
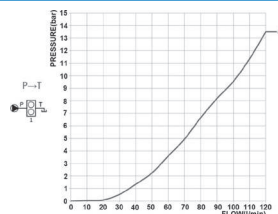
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Limiteur de pression - Relief Valve : X=30:90bar (70) - U=80:230bar (140) (Standard) - K=150:300bar (200)

LES CODES CORRESPONDENT A : DOUBLE EFFET - 3 POSITIONS - RAPPEL RESSORT - A/B FERMEE - ORIFICES BSP - PREDISPOSITION POUR CENTRE A SUIVRE
THESE CODES REFER TO : DOUBLE ACTING TYPE - 3 POSITIONS - SPRING RETURN - A/B PORTS CLOSED - BSP THREADS - MACHINED FOR CARRY-OVER

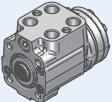
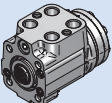
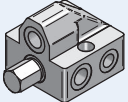
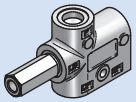
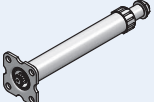
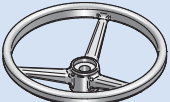
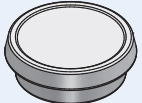
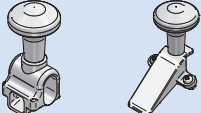


TIROIR SPOOL TYPE	
A	
B	
C	
D	
L	
Z	

POSITIONNEUR SPOOL CONTROL	
1	
2	
3	
6	
7	
8	
12	
42	

SUR DEMANDE ON REQUEST	
MC	Commande manuelle + teton Manual control with cam
MX	Levier de sécurité Safety lever
DO	Came de commande Cam control
JS	Double commande Joystick
1P	Commande pneumatique Pneumatic control
MSW	Microrupteur Microswitch
CO	Centre à suivre Power beyond (carry over)

ORBITROLS ET ACCESSOIRES STEERING UNITS AND ACCESSORIES

	Description - Description	Type	Page
	ORBITROL "M+S HYDRAULIC" "M+S HYDRAULICS" STEERING UNIT	HKUS.../4	314
	ORBITROL "M+S HYDRAULIC" "M+S HYDRAULICS" STEERING UNIT	HKUS.../5	314
	VALVE PRIORITAIRE POUR ORBITROL LOAD-SENSING PRIORITY VALVE FOR LOAD-SENSING STEERING UNIT	VPRD	315
	VALVE PRIORITAIRE POUR ORBITROL LOAD-SENSING PRIORITY VALVE FOR LOAD-SENSING STEERING UNIT	VPRTA	315
	COLONNE DE DIRECTION STEERING COLUMN	ACI	315
	VOLANT STEERING WHEEL	AV	316
	BOUCHON POUR VOLANT CAP FOR STEERING-WHEEL	AT	316
	BOULE POUR VOLANT HARD KNOB FOR STEERING-WHEEL	AP	316

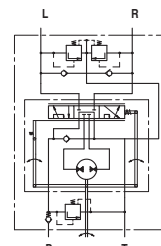
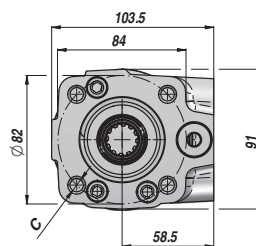
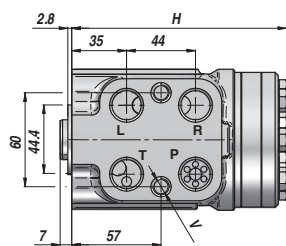
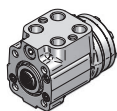
HKUS.../4

ORBITROL "M+S HYDRAULIC" "M+S HYDRAULIC" STEERING UNIT

CENTRE OUVERT OPEN CENTER

NON REACTIF NON LOAD REACTION

AVEC VALVES WITH VALVES



Code Code	Type Type	cm ³ /tr cm ³ /rev	LP RF bar	VAS SV bar	P MAX bar	P-T R-L BSP	V (x 2)	C (x 4)	H	kg
DHKUS04410	HKUS 40/4/100	39.6	100	160	140	1/2"	M10x1	M10	130.8	5,30
DHKUS05410	HKUS 50/4/100	49.5			140				132.2	5,40
DHKUS06410	HKUS 63/4/100	65.6			170				133.9	5,50
DHKUS08410	HKUS 80/4/100	79.2			170				136.2	5,60
DHKUS10410	HKUS 100/4/100	99.0			170				138.8	5,70
DHKUS12410	HKUS 125/4/100	123.8			170				142.2	5,80
DHKUS16410	HKUS 160/4/100	158.4			170				146.8	6,00
DHKUS20410	HKUS 200/4/100	198.0			170				152.2	6,30
DHKUS25410	HKUS 250/4/100	247.5			170				158.8	6,50
DHKUS32410	HKUS 320/4/100	316.8			170				168.2	7,00
DHKUS40410	HKUS 400/4/100	396.0			170				178.8	7,40
DHKUS50410	HKUS 500/4/100	495.0			170				192.0	8,00

VALVES INTEGRES : VALVE ANTI-RETOUR + LIMITEUR DE PRESSION (LP) + VALVE ANTICAVITATION + VALVE ANTICHOCK (VA)

BUILT-IN VALVES : CHECK VALVE + RELIEF VALVE (RF) + ANTICAVITATION VALVES + SHOCK VALVES (SV)

HKUS.../5

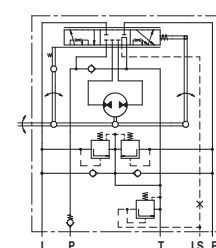
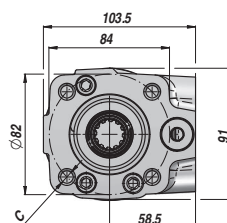
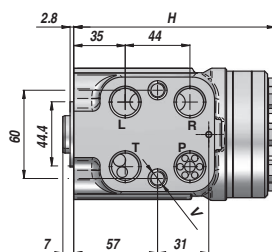
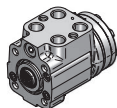
ORBITROL "M+S HYDRAULIC" "M+S HYDRAULIC" STEERING UNIT

CENTRE FERME CLOSED CENTER

NON REACTIF NON LOAD REACTION

AVEC VALVES WITH VALVES

LOAD SENSING



Code Code	Type Type	cm ³ /tr cm ³ /rev	LP RF bar	VAS SV bar	P MAX bar	P BSP	V (x 2)	C (x 4)	H	kg
DHKUS50401	HKUS 40/5/100	39.6	100	160	125	1/2"	M10x1	M10	130.8	5,30
DHKUS50501	HKUS 50/5/100	49.5			150				132.2	5,40
DHKUS50601	HKUS 63/5/100	65.6			175				133.9	5,50
DHKUS50801	HKUS 80/5/100	79.2			175				136.2	5,60
DHKUS51001	HKUS 100/5/100	99.0			175				138.8	5,70
DHKUS51201	HKUS 125/5/100	123.8			175				142.2	5,80
DHKUS51601	HKUS 160/5/100	158.4			175				146.8	6,00
DHKUS52001	HKUS 200/5/100	198.0			175				152.2	6,30
DHKUS52501	HKUS 250/5/100	247.5			175				158.8	6,50
DHKUS53201	HKUS 320/5/100	316.8			175				168.2	7,00
DHKUS54001	HKUS 400/5/100	396.0			175				178.8	7,40

VALVES INTEGRES : VALVE ANTI-RETOUR + LIMITEUR DE PRESSION (LP) + VALVE ANTICAVITATION + VALVE ANTICHOCK (VA)

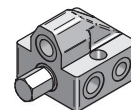
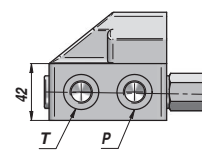
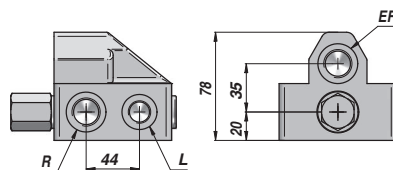
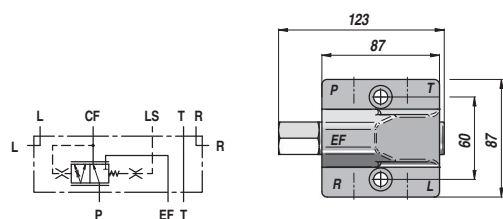
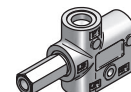
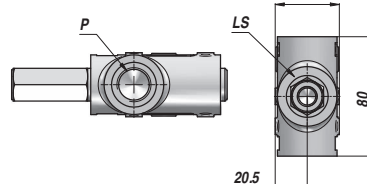
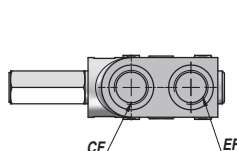
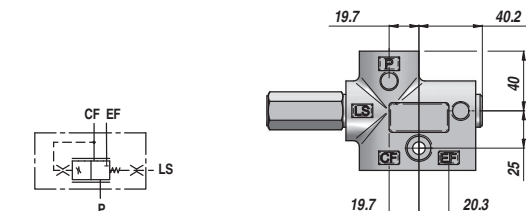
BUILT-IN VALVES : CHECK VALVE + RELIEF VALVE (RF) + ANTICAVITATION VALVES + SHOCK VALVES (SV)

HKUS.../5 = POUR VALVE PRIORITAIRE FLASQUABLE - FOR FACE MOUNTING PRIORITY VALVE

SUR DEMANDE - ON REQUEST :

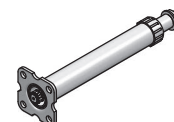
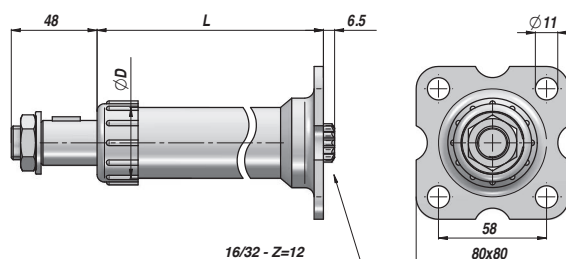
HKUS.../5T = POUR VALVE PRIORITAIRE EN LIGNE - FOR PIPE MOUNTING PRIORITY VALVE

HKUS.../5D - HKUS.../5DT = AVEC SIGNAL DYNAMIQUE - WITH DYNAMIC SIGNAL

VALVE PRIORITAIRE POUR ORBITROL LOAD-SENSING
PRIORITY VALVE FOR LOAD-SENSING STEERING UNIT
VPRD
VPRTA

PRD - STATIC SIGNAL

PRTA - STATIC SIGNAL

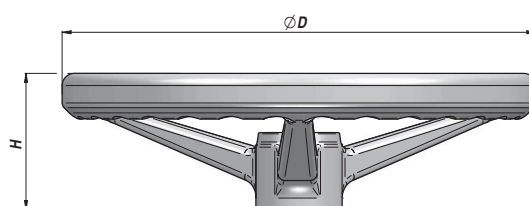
Code Code	Type Type	Signal Signal	Q MAX l/min	Ressort Spring	P - EF BSP	T - R - L BSP	CF BSP	LS BSP	kg
VPRD0800 **	PRD 80/** (x HKUS.../5)	Static	80	4-7-10 bar	1/2"	3/8"			2,25
VPRDD080 **	PRD-D 80/** (x HKUS.../5)	Dynamic	80	4-7-10 bar	1/2"	3/8"			2,25
VPRTA080 **	PRTA 80/** (x HKUS.../5T)	Static	80	4-7-10 bar	1/2"		1/2"	1/4"	1,30
VPRTAD08 **	PRTA-D 80/** (x HKUS.../5T)	Dynamic	80	4-7-10 bar	1/2"		1/2"	1/4"	1,30

** = 04 - 07 - 10 bar

COLONNE DE DIRECTION
STEERING COLUMN
ACI


Code Code	L	ØD	Cône Taper	kg
ACI0075000	75	38	Type 1 1:20 Ø23.2 M18x1.5	0,70
ACI0150000	165			0,97
ACI0200000	200			1,05
ACI0270000	270			1,25
ACI0350000	350			1,45
ACI0400000	400			1,55
ACI0450000	450			1,65
ACI0520000	520			1,92
ACI0600000	600			2,05
ACI0750000	775			2,45

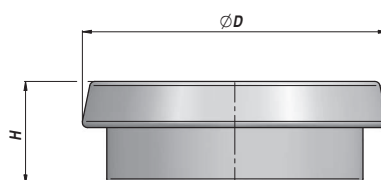
AV

VOLANT
STEERING-WHEEL

Code Code	Type Type	ØD	H	Cône Taper	kg
AV00320001	360	352	105	1.20 (Type 1)	1,80
AV00320105	390	387	140	1.20 (Type 1)	2,00

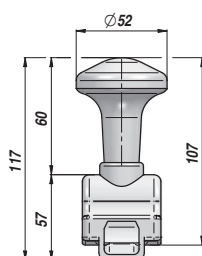
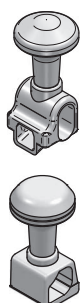
AUTRES DIAMETRES SUR DEMANDE - OTHER DIMENSIONS ON REQUEST

AT

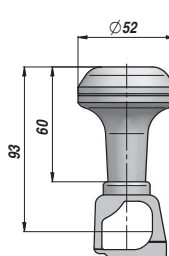
BOUCHON POUR VOLANT
CAP FOR STEERING-WHEEL

Code Code	Pour volant For steering-wheel	ØD	H	kg x 100
AT00470064	360/390	62	20	1,30

AP

BOULE POUR VOLANT
HARD KNOB FOR STEERING-WHEEL

Type 360



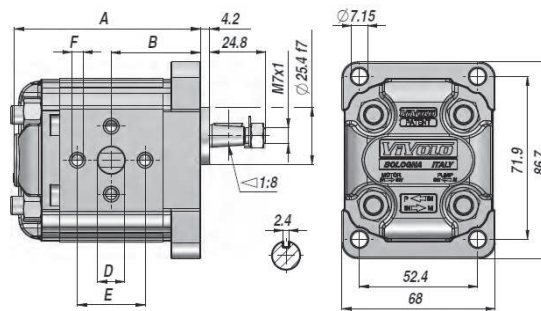
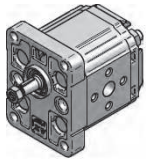
Type 390

Code Code	Pour volant For steering-wheel	kg x 100
AP00340212	Type 360	8,50
AP00340263	Type 390	7,60

MOTEURS A ENGRENAGES
GEAR MOTORS

[illegible]

XV1U



Code Code	Type Type	cm ³ /cycle cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
1U160*FIIA	XV 1U/ 0,9	0,91	240	280	6000	700	78,1	37,3	ø12x30xM6	ø12x30xM6	0,95
1U170*FIIA	XV 1U/ 1,2	1,17	250	290	6000	700	79	37,8	ø12x30xM6	ø12x30xM6	0,97
1U180*FIIA	XV 1U/ 1,7	1,56	250	290	6000	700	80,5	38,5	ø12x30xM6	ø12x30xM6	1,01
1U200*FIIA	XV 1U/ 2,2	2,08	250	290	6000	700	82,5	39,5	ø12x30xM6	ø12x30xM6	1,03
1U210*FIIA	XV 1U/ 2,6	2,6	250	300	6000	700	84,5	40,5	ø12x30xM6	ø12x30xM6	1,06
1U230*FIIA	XV 1U/ 3,2	3,12	250	300	6000	700	86,5	41,5	ø12x30xM6	ø12x30xM6	1,09
1U250*FIIA	XV 1U/ 3,8	3,64	250	300	6000	700	88,5	42,5	ø12x30xM6	ø12x30xM6	1,12
1U270*FIIA	XV 1U/ 4,3	4,16	250	300	6000	700	90,5	43,5	ø12x30xM6	ø12x30xM6	1,17
1U290*FIIA	XV 1U/ 4,9	4,94	250	300	6000	700	93,5	45	ø12x30xM6	ø12x30xM6	1,2
1U310*FIIA	XV 1U/ 5,9	5,85	250	300	5000	700	97	46,8	ø12x30xM6	ø12x30xM6	1,26
1U320*FIIA	XV 1U/ 6,5	6,5	250	300	5000	700	98,5	48	ø12x30xM6	ø12x30xM6	1,3
1U340*FIIA	XV 1U/ 7,8	7,54	220	260	5000	700	103,5	50	ø12x30xM6	ø12x30xM6	1,36
1U360*FIIA	XV 1U/ 9,8	9,88	190	230	4000	700	112,5	54,5	ø12x30xM6	ø12x30xM6	1,5

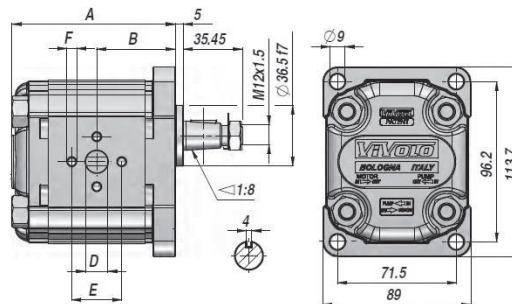
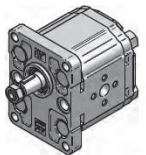
*1 = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*2 = ROTATION DROITE - CLOCKWISE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

XV2U



Code Code	Type Type	cm ³ /cycle cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
2U410*E00A	XV 2U/ 4	4,2	260	300	3500	700	87,2	41,7	ø13,5x30xM6	ø13,5x30xM6	2,2
2U430*E00A	XV 2U/ 6	6	260	300	3500	700	90,2	43,2	ø13,5x30xM6	ø13,5x30xM6	2,3
2U450*E00A	XV 2U/ 9	8,4	260	300	3500	700	94,2	45,2	ø13,5x30xM6	ø13,5x30xM6	2,4
2U470*E00A	XV 2U/ 11	10,8	260	300	3500	700	98,2	47,2	ø13,5x30xM6	ø13,5x30xM6	2,5
2U490*EPOA	XV 2U/ 14	14,4	250	290	3500	700	104,2	50,2	ø20,0x40xM8	ø13,5x30xM6	2,7
2U510*EPOA	XV 2U/ 17	16,8	230	270	3500	700	108,2	52,2	ø20,0x40xM8	ø13,5x30xM6	2,8
2U530*EPOA	XV 2U/ 19	19,2	210	250	3000	700	112,2	54,2	ø20,0x40xM8	ø13,5x30xM6	2,9
2U550*EPOA	XV 2U/ 22	22,8	200	240	3000	700	118,2	57,2	ø20,0x40xM8	ø13,5x30xM6	3,05
2U570*EQPA	XV 2U/ 26	26,2	170	210	3000	700	122,2	59,2	ø23,5x40xM8	ø20,0x40xM8	3,15
2U590*EQPA	XV 2U/ 30	30	160	200	2500	700	130,2	63,2	ø23,5x40xM8	ø20,0x40xM8	3,4
2U610*EQPA	XV 2U/ 34	34,2	150	190	2500	700	137,2	66,7	ø23,5x40xM8	ø20,0x40xM8	3,6
2U630*EQPA	XV 2U/ 40	39,6	140	180	2000	700	146,2	71,2	ø23,5x40xM8	ø20,0x40xM8	3,8

*1 = ROTATION GAUCHE - ANTICLOCKWISE

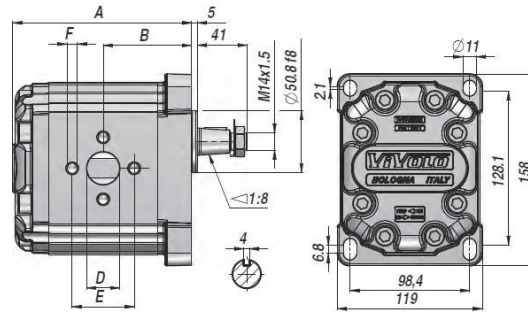
P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*2 = ROTATION DROITE - CLOCKWISE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

GR. 3 MOTEUR A ENGRENAGES UNIDIRECTIONNELS UNIDIRECTIONAL GEAR MOTORS

XV3U



Code Code	Type Type	cm ³ /cycle cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
3U660*AAAA	XV-3U/15	14,89	300	320	3000	700	124	61	ø20x40xM8	ø20x40xM8	7,01
3U680*AAAA	XV-3U/18	17,37	300	320	3000	700	126	62	ø20x40xM8	ø20x40xM8	7,07
3U700*AAAA	XV-3U/21	21,1	280	300	3000	700	129	63,5	ø20x40xM8	ø20x40xM8	7,15
3U720*AAAA	XV-3U/27	26,97	250	270	3000	700	133	65,5	ø20x40xM8	ø20x40xM8	7,25
3U740*ABBA	XV-3U/32	32,27	250	270	3000	700	138	68	ø27x51xM10	ø27x51xM10	7,39
3U780*ABBA	XV-3U/38	38,47	250	270	2800	700	143	70,5	ø27x51xM10	ø27x51xM10	7,52
3U790*ABBA	XV-3U/43	43,44	250	270	2800	700	147	72,5	ø27x51xM10	ø27x51xM10	7,63
3U800*ABBA	XV-3U/47	47,16	230	250	2800	700	150	74	ø27x51xM10	ø27x51xM10	7,71
3U810*ABBA	XV-3U/51	50,88	230	250	2800	700	153	75,5	ø27x51xM10	ø27x51xM10	7,79
3U820*ABBA	XV-3U/54	54,6	230	250	2300	700	156	77	ø27x51xM10	ø27x51xM10	7,87
3U830*ACCA	XV-3U/61	60,81	230	250	2300	700	161	79,5	ø36x62xM10	ø36x62xM10	8,01
3U850*ACCA	XV-3U/64	64,53	210	230	2300	700	164	81	ø36x62xM10	ø36x62xM10	8,09
3U860*ACCA	XV-3U/70	70,74	200	220	2300	700	169	83,5	ø36x62xM10	ø36x62xM10	8,22
3U870*ACCA	XV-3U/74	74,46	180	200	2300	700	172	85	ø36x62xM10	ø36x62xM10	8,3
3U890*ACCA	XV-3U/90	86,87	150	170	2300	700	182	90	ø36x62xM10	ø36x62xM10	8,57

*1 = ROTATION GAUCHE - ANTICLOCKWISE

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*2 = ROTATION DROITE - CLOCKWISE

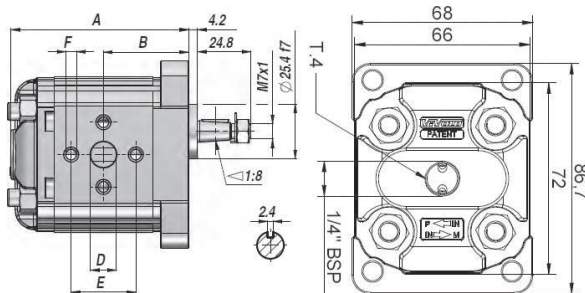
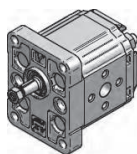
P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

SUR DEMANDE - ON REQUEST: CORPS TARAUDE "BSP" - "BSP" THREADED HOUSING - POMPES TYPE BOSCH - GERMAN STANDARDIZED PUMPS -
POMPES TYPE "SAE" - "SAE" TYPE PUMPS

XV1M

MOTEUR A ENGRENAGES BIDIRECTIONNELS BIDIRECTIONAL GEAR MOTORS

GR. 1



Code Code	Type Type	cm ³ /cycle cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
1M1601FII*	XV 1M/ 0,9	0,91	240	280	6000	700	78,1	37,3	ø12x30xM6	ø12x30xM6	0,95
1M1701FII*	XV 1M/ 1,2	1,17	250	290	6000	700	79	37,8	ø12x30xM6	ø12x30xM6	0,97
1M1801FII*	XV 1M/ 1,7	1,56	250	290	6000	700	80,5	38,5	ø12x30xM6	ø12x30xM6	1,01
1M2001FII*	XV 1M/ 2,2	2,08	250	290	6000	700	82,5	39,5	ø12x30xM6	ø12x30xM6	1,03
1M2101FII*	XV 1M/ 2,6	2,6	250	300	6000	700	84,5	40,5	ø12x30xM6	ø12x30xM6	1,06
1M2301FII*	XV 1M/ 3,2	3,12	250	300	6000	700	86,5	41,5	ø12x30xM6	ø12x30xM6	1,09
1M2501FII*	XV 1M/ 3,8	3,64	250	300	6000	700	88,5	42,5	ø12x30xM6	ø12x30xM6	1,12
1M2701FII*	XV 1M/ 4,3	4,16	250	300	6000	700	90,5	43,5	ø12x30xM6	ø12x30xM6	1,17
1M2901FII*	XV 1M/ 4,9	4,94	250	300	6000	700	93,5	45	ø12x30xM6	ø12x30xM6	1,2
1M3101FII*	XV 1M/ 5,9	5,85	250	300	5000	700	97	46,8	ø12x30xM6	ø12x30xM6	1,26
1M3201FII*	XV 1M/ 6,5	6,5	250	300	5000	700	98,5	48	ø12x30xM6	ø12x30xM6	1,3
1M3401FII*	XV 1M/ 7,8	7,54	220	260	5000	700	103,5	50	ø12x30xM6	ø12x30xM6	1,36
1M3601FII*	XV 1M/ 9,8	9,88	190	230	4000	700	112,5	54,5	ø12x30xM6	ø12x30xM6	1,5

*E = DRAINAGE EXTERNE 1/4" BSP - EXTERNAL DRAINAGE 1/4" BSP

P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

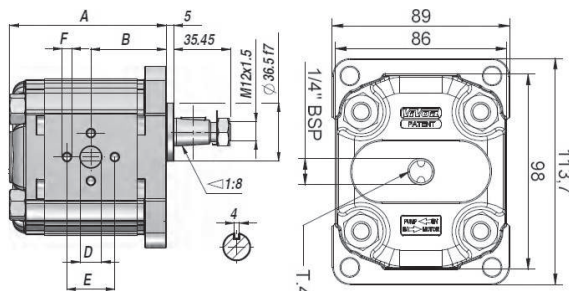
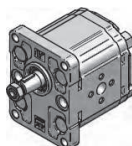
*F = DRAINAGE INTERNE - INTERNAL DRAINAGE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

XV2M

MOTEUR A ENGRENAGES BIDIRECTIONNELS BIDIRECTIONAL GEAR MOTORS

GR. 2



Code Code	Type Type	cm ³ /cycle cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
2M4101E00*	XV 2M/ 4	4,2	260	300	3500	700	87,2	41,7	ø13,5x30xM6	ø13,5x30xM6	2,2
2M4301E00*	XV 2M/ 6	6	260	300	3500	700	90,2	43,2	ø13,5x30xM6	ø13,5x30xM6	2,3
2M4501E00*	XV 2M/ 9	8,4	260	300	3500	700	94,2	45,2	ø13,5x30xM6	ø13,5x30xM6	2,4
2M4701E00*	XV 2M/ 11	10,8	260	300	3500	700	98,2	47,2	ø13,5x30xM6	ø13,5x30xM6	2,5
2M4901E00*	XV 2M/ 14	14,4	250	290	3500	700	104,2	50,2	ø20,0x40xM8	ø13,5x30xM6	2,7
2M5101E00*	XV 2M/ 17	16,8	230	270	3500	700	108,2	52,2	ø20,0x40xM8	ø13,5x30xM6	2,8
2M5301E00*	XV 2M/ 19	19,2	210	250	3000	700	112,2	54,2	ø20,0x40xM8	ø13,5x30xM6	2,9
2M5501E00*	XV 2M/ 22	22,8	200	240	3000	700	118,2	57,2	ø20,0x40xM8	ø13,5x30xM6	3,05
2M5701EQP*	XV 2M/ 26	26,2	170	210	3000	700	122,2	59,2	ø23,5x40xM8	ø20,0x40xM8	3,15
2M5901EQP*	XV 2M/ 30	30	160	200	2500	700	130,2	63,2	ø23,5x40xM8	ø20,0x40xM8	3,4
2M6101EQP*	XV 2M/ 34	34,2	150	190	2500	700	137,2	66,7	ø23,5x40xM8	ø20,0x40xM8	3,6
2M6301EQP*	XV 2M/ 40	39,6	140	180	2000	700	146,2	71,2	ø23,5x40xM8	ø20,0x40xM8	3,8

*E = DRAINAGE EXTERNE 1/4" BSP - EXTERNAL DRAINAGE 1/4" BSP

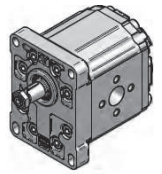
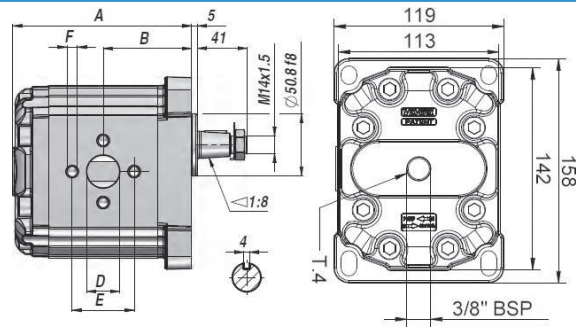
P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*F = DRAINAGE INTERNE - INTERNAL DRAINAGE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

GR. 3 MOTEUR A ENGRENAGES BIDIRECTIONNELS
BIDIRECTIONAL GEAR MOTORS

XV3M



Code Code	Type Type	cm ³ /cycle cm ³ /rev	P MAX bar		tours/min rpm		A	B	Aspiration Suction D x E x F	Refoulement Delivery D x E x F	kg
			P1	P3	MAX	MIN					
3M6601AAA*	XV-3M/15	14,89	250	270	3000	700	124	61	ø20x40xM8	ø20x40xM8	7,01
3M6801AAA*	XV-3M/18	17,37	250	270	3000	700	126	62	ø20x40xM8	ø20x40xM8	7,07
3M7001AAA*	XV-3M/21	21,1	250	270	3000	700	129	63,5	ø20x40xM8	ø20x40xM8	7,15
3M7201AAA*	XV-3M/27	26,97	250	270	3000	700	133	65,5	ø20x40xM8	ø20x40xM8	7,25
3M7401ABB*	XV-3M/32	32,27	250	270	3000	700	138	68	ø27x51xM10	ø27x51xM10	7,39
3M7801ABB*	XV-3M/38	38,47	250	270	2800	700	143	70,5	ø27x51xM10	ø27x51xM10	7,52
3M7901ABB*	XV-3M/43	43,44	250	270	2800	700	147	72,5	ø27x51xM10	ø27x51xM10	7,63
3M8001ABB*	XV-3M/47	47,16	230	250	2800	700	150	74	ø27x51xM10	ø27x51xM10	7,71
3M8101ABB*	XV-3M/51	50,88	230	250	2800	700	153	75,5	ø27x51xM10	ø27x51xM10	7,79
3M8201ABB*	XV-3M/54	54,6	230	250	2300	700	156	77	ø27x51xM10	ø27x51xM10	7,87
3M8301ACC*	XV-3M/61	60,81	230	250	2300	700	161	79,5	ø36x62xM10	ø36x62xM10	8,01
3M8501ACC*	XV-3M/64	64,53	210	230	2300	700	164	81	ø36x62xM10	ø36x62xM10	8,09
3M8601ACC*	XV-3M/70	70,74	200	220	2300	700	169	83,5	ø36x62xM10	ø36x62xM10	8,22
3M8701ACC*	XV-3M/74	74,46	180	200	2300	700	172	85	ø36x62xM10	ø36x62xM10	8,3
3M8901ACC*	XV-3M/90	86,87	150	170	2300	700	182	90	ø36x62xM10	ø36x62xM10	8,57

*E = DRAINAGE EXTERNE 1/4" BSP - EXTERNAL DRAINAGE 1/4" BSP

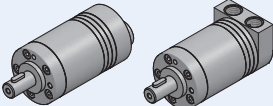
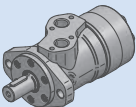
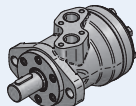
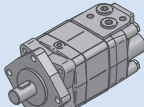
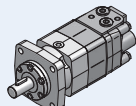
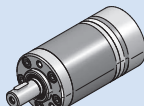
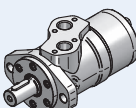
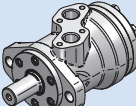
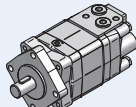
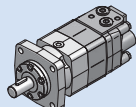
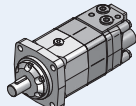
P1 = PRESSION MAXI D'EXERCICE - MAX. WORKING PRESSURE

*F = DRAINAGE INTERNE - INTERNAL DRAINAGE

P3 = PRESSION MAXI DE POINTE - MAX. PEAK PRESSURE

SUR DEMANDE - ON REQUEST: CORPS TARAUDE "BSP" - "BSP" THREADED HOUSING - POMPES TYPE BOSCH - GERMAN STANDARDIZED PUMPS -
POMPES TYPE "SAE" - "SAE" TYPE PUMPS

MOTEURS HYDRAULIC MOTORS

	Description - Description	Type	Page
	MOTEUR "Z-J HYDRAULIC" "Z-J HYDRAULIC" MOTOR	MCM MCMS	324
	MOTEUR "Z-J HYDRAULIC" "Z-J HYDRAULIC" MOTOR	MCPN	325
	MOTEUR "Z-J HYDRAULIC" "Z-J HYDRAULIC" MOTOR	MCRN	326
	MOTEUR "Z-G HYDRAULIC" "Z-G HYDRAULIC" MOTOR	MCSY	327
	MOTEUR "Z-G HYDRAULIC" "Z-G HYDRAULIC" MOTOR	MCT	328
	MOTEUR "M+S HYDRAULIC" "M+S HYDRAULIC" MOTOR	MPM (MM)	329
	MOTEUR "M+S HYDRAULIC" "M+S HYDRAULIC" MOTOR	MPP (MP)	330
	MOTEUR "M+S HYDRAULIC" "M+S HYDRAULIC" MOTOR	MPR (MR)	331
	MOTEUR "M+S HYDRAULIC" "M+S HYDRAULIC" MOTOR	MPS MPSY (MS-MSY)	332
	MOTEUR "M+S HYDRAULIC" "M+S HYDRAULIC" MOTOR	MPT (MT)	333
	MOTEUR "M+S HYDRAULIC" "M+S HYDRAULIC" MOTOR	MPV (MV)	334

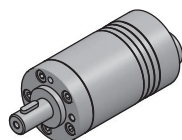
MCM-MCMS

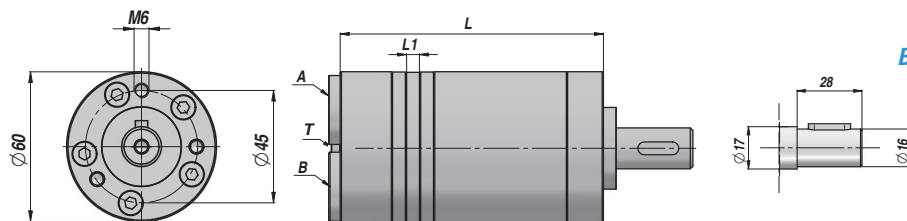
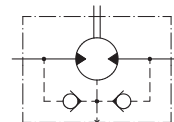

MOTEUR "Z-J HYDRAULIC"
"Z-J HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø16
PARALLEL SHAFT Ø16

SANS BRIDE
WITHOUT FLANGE

ALIMENTATIONS ARRIERES - REAR PORTS

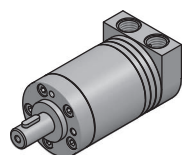

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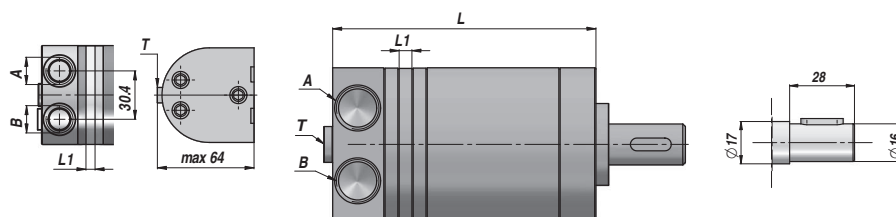
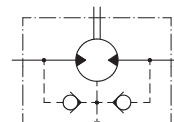
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

CLAPET ANTI-RETOUR
INTEGRE
BUILT-IN CHECK VALVES


Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>													
MCM00008C0	MC-M 08 C	8.2	1950	11	16	100	140	140*	3/8"	1/8"	104.0	3.5	1.90
MCM00012C0	MC-M 12 C	12.9	1550	16	20	100	140	140*			106.0	5.5	2.00
MCM00020C0	MC-M 20 C	19.9	1000	25	20	100	140	140*			109.0	8.5	2.10
MCM00032C0	MC-M 32 C	31.6	630	40	20	100	140	140*			114.0	13.5	2.20
MCM00040C0	MC-M 40 C	39.8	500	45	20	90	140	140*			117.5	17.0	2.30
MCM00050C0	MC-M 50 C	50.3	400	46	20	70	140	140*			122.0	21.5	2.40

* = AVEC DRAINAGE - WITH DRAIN

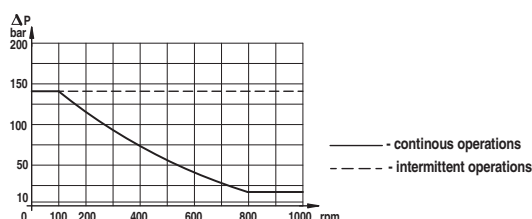
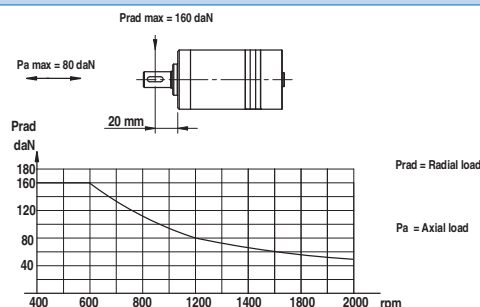
ALIMENTATIONS LATERALES - SIDE PORTS


PEINTURE NOIRE
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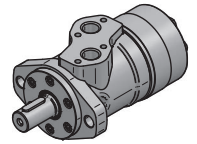
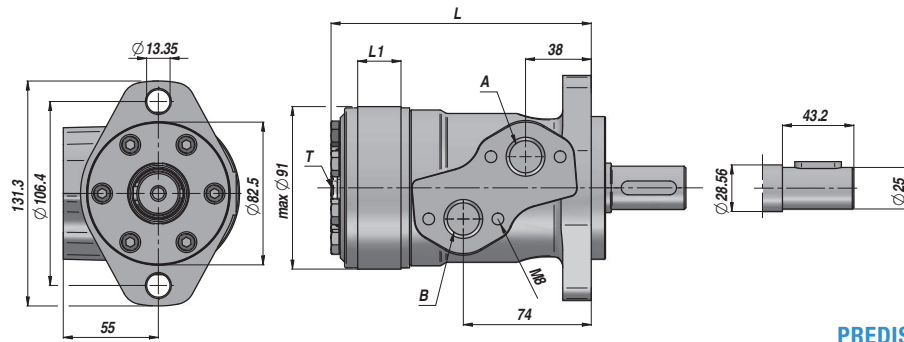
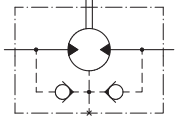
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

CLAPET ANTI-RETOUR
INTEGRE
BUILT-IN CHECK VALVES


Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>													
MCM00S08C0	MC-MS 08 C	8.2	1950	11	16	100	140	140*	3/8"	1/8"	105.0	3.5	1,90
MCM00S12C0	MC-MS 12 C	12.9	1550	16	20	100	140	140*			107.0	5.5	2,00
MCM00S20C0	MC-MS 20 C	19.9	1000	25	20	100	140	140*			110.0	8.5	2,10
MCM00S32C0	MC-MS 32 C	31.6	630	40	20	100	140	140*			115.0	13.5	2,20
MCM00S40C0	MC-MS 40 C	39.8	500	45	20	90	140	140*			118.5	17.0	2,30
MCM00S50C0	MC-MS 50 C	50.3	400	46	20	70	140	140*			123.0	21.5	2,40

* = AVEC DRAINAGE - WITH DRAIN

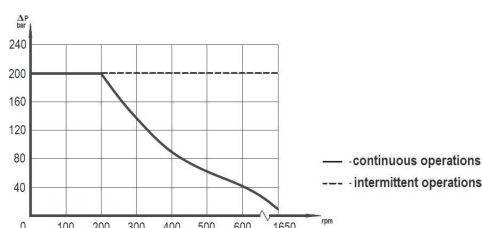
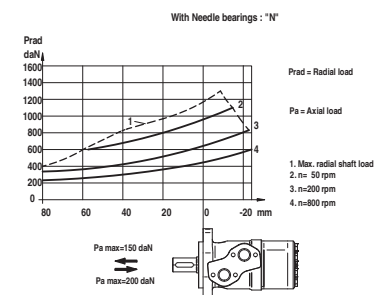
PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN

CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS


MOTEUR "Z-J HYDRAULIC"
"Z-J HYDRAULIC" MOTOR
ARBRE CYLINDRIQUE Ø25
PARALLEL SHAFT Ø25
BRIDE "SAE A" - 2 TROUS
"SAE A" FLANGE - 2 HOLES

MCPN
Standard: ARBRE RENFORCE POUR CHARGES RADIALES - WITH NEEDLE BEARINGS FOR RADIAL LOADS
CLAPET ANTI-RETOUR
INTEGRE
BUILT-IN CHECK VALVES

PEINTURE NOIRE
BLACK PAINTED
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

Code Code	Type Type		cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
							Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - CONTINUOUS WORK														
MCPN036CD0	MC-PN	36 CD	36.0	1500	5.5	55	125	165	165 *	1/2"	1/4"	137.0	7.0	5,60
MCPN050CD0	MC-PN	50 CD	51.7	1150	10.0	60	140	165	165 *			137.0	7.0	5,60
MCPN080CD0	MC-PN	80 CD	77.7	770	14.6	60	140	165	165 *			140.5	10.5	5,70
MCPN100CD0	MC-PN	100 CD	96.2	615	18.2	60	140	165	165 *			143.0	13.0	5,90
MCPN125CD0	MC-PN	125 CD	120.2	490	23.6	60	140	165	165 *			146.0	16.0	6,00
MCPN160CD0	MC-PN	160 CD	157.2	383	30.2	60	140	165	165 *			151.0	21.0	6,20
MCPN200CD0	MC-PN	200 CD	194.5	310	36.0	60	140	165	165 *			157.0	26.0	6,40
MCPN250CD0	MC-PN	250 CD	240.3	250	38.0	60	110	165	165 *			162.0	32.0	6,60
MCPN315CD0	MC-PN	315 CD	314.5	192	37.5	60	90	165	165 *			172.0	42.0	6,90
MCPN400CD0	MC-PN	400 CD	389.5	155	36.0	60	70	165	165 *			182.0	52.0	7,40
MCPN500CD0	MC-PN	500 CD	486.5	120	38.5	60	60	165	165 *			195.0	65.0	8,00

* = AVEC DRAINAGE - WITH DRAIN

PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN

CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS


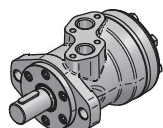
MCRN

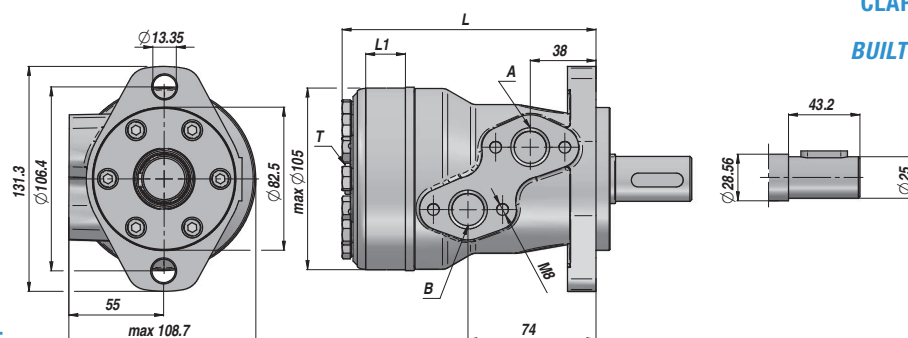
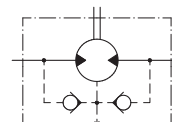

MOTEUR "Z-J HYDRAULIC"
"Z-J HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø25
PARALLEL SHAFT Ø25

BRIDE "SAE A" - 2 TROUS
"SAE A" FLANGE - 2 HOLES

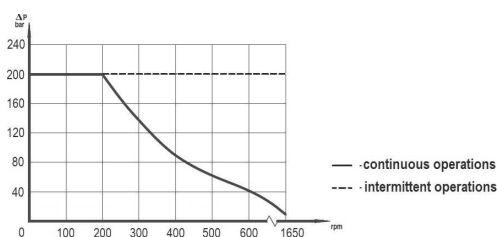
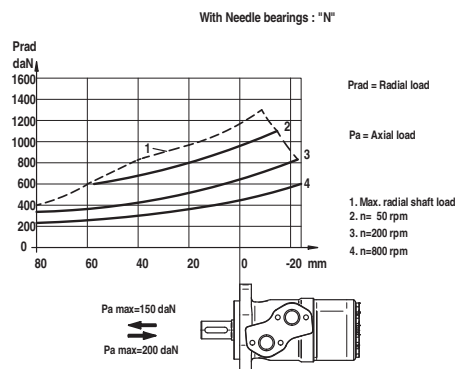
Standard: ARBRE RENFORCE POUR CHARGES RADIALES - WITH NEEDLE BEARINGS FOR RADIAL LOADS


PEINTURE NOIRE
BLACK PAINTED

PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

CLAPET ANTI-RETOUR
INTÈGRE
BUILT-IN CHECK VALVES


Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
			TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>										
MCRN036CD0	MC-RN 36 CD	36.0	1085	7.2	40	140	175	175 *	1/2"	1/4"	137.0	7.0	6,50
MCRN050CD0	MC-RN 50 CD	51.7	960	10.0	50	140	175	175 *			140.0	10.0	6,70
MCRN080CD0	MC-RN 80 CD	81.5	750	19.5	60	175	175	175 *			146.0	16.0	6,90
MCRN100CD0	MC-RN 100 CD	102.0	600	24.0	60	175	175	175 *			150.0	20.0	6,90
MCRN125CD0	MC-RN 125 CD	127.2	475	30.0	60	175	175	175 *			155.0	25.0	7,20
MCRN160CD0	MC-RN 160 CD	157.2	378	36.0	60	165	175	175 *			161.5	30.5	7,50
MCRN200CD0	MC-RN 200 CD	194.5	310	36.0	60	130	175	175 *			170.0	38.1	8,00
MCRN250CD0	MC-RN 250 CD	253.3	240	39.0	60	110	175	175 *			180.0	50.0	8,50
MCRN315CD0	MC-RN 315 CD	317.5	190	39.0	60	90	175	175 *			192.0	62.0	9,00
MCRN400CD0	MC-RN 400 CD	381.4	155	36.5	60	70	175	175 *			204.0	74.0	9,30

* = AVEC DRAINAGE - WITH DRAIN

PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN

CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS


MOTEUR "Z-G HYDRAULIC"
"Z-G HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø32
PARALLEL SHAFT Ø32

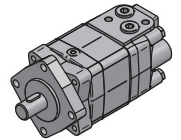
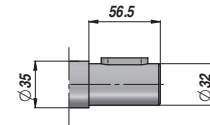
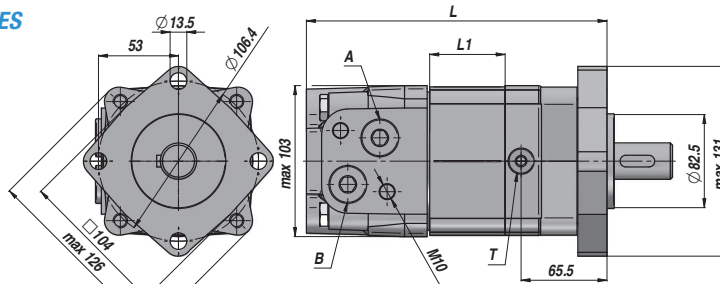
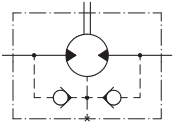
BRIDE "SAE A" - 4 TROUS
"SAE A" FLANGE - 4 HOLES



MCSY

Standard: ARBRE RENFORCE POUR CHARGES RADIALES - WITH NEEDLE BEARINGS FOR RADIAL LOADS

CLAPET ANTI-RETOUR
INTÉGRE
BUILT-IN CHECK VALVES



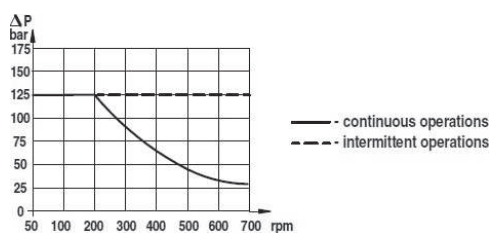
PEINTURE NOIRE
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PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

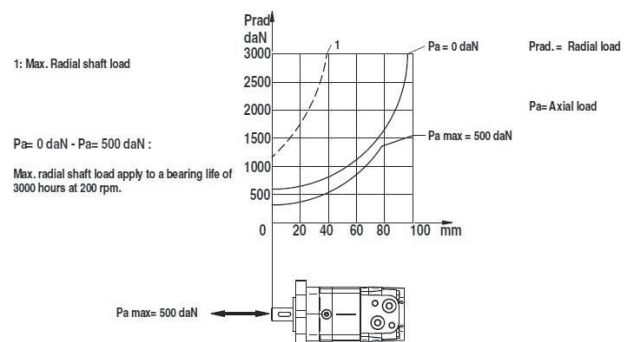
Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
MCS080C0YT	MC-S 80 C	80.5	805	22.6	65	205	230	140 *	1/2"	1/4"	170	11.0	9,8
MCS100C0YT	MC-S100 C	100.5	745	28.2	75	205	230	140 *			173.5	14.5	10
MCS125C0YT	MC-SY125 C	126.3	590	35.5	75	205	230	140 *			178	19.0	10,3
MCS160C0YT	MC-SY160 C	160.8	465	45.1	75	205	230	140 *			184	25.0	10,7
MCS200C0YT	MC-SY200 C	200.9	370	56.4	75	205	230	140 *			191	32.0	11,1
MCS250C0YT	MC-SY250 C	252.6	295	68.4	75	200	230	140 *			200	41.0	11,6
MCS315C0YT	MC-SY315 C	321.5	230	87.0	75	200	230	140 *			212	53.0	12,3
MCS400C0YT	MC-SY400 C	401.9	185	81.3	75	155	230	140 *			226	67.0	13,2
MCS475C0YT	MC-SY500 C	476.5	155	72.8	75	120	230	140 *			239	80.0	14,3

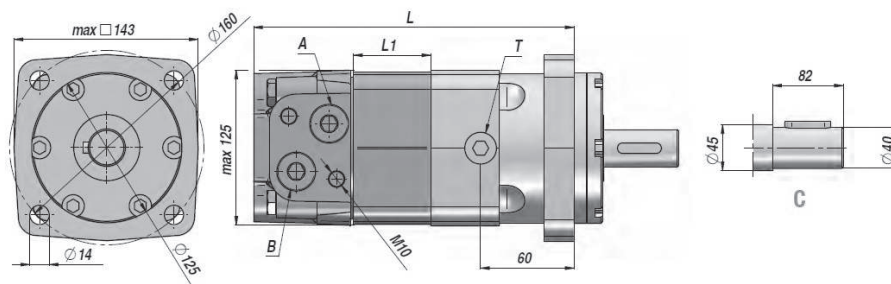
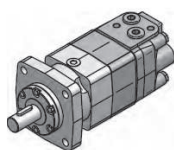
* = AVEC DRAINAGE - WITH DRAIN

PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN



CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS





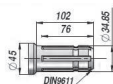
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

[illegible]

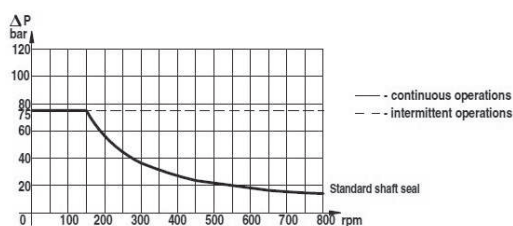
* = AVEC DRAINAGE - WITH DRAIN

OPTION

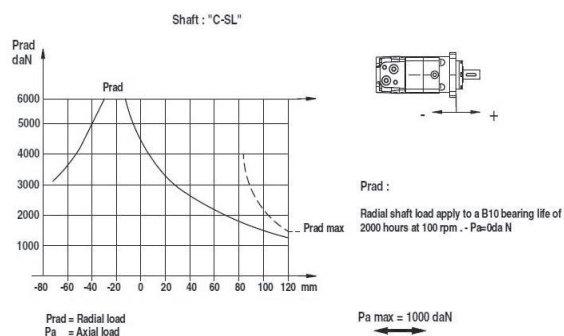
SL



PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN



CHARGES ADMISSIBLES SUR L'ARBRE PERMISSIBLE SHAFT LOADS



MOTEUR "M+S HYDRAULIC"
"M+S HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø16
PARALLEL SHAFT Ø16

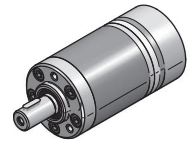
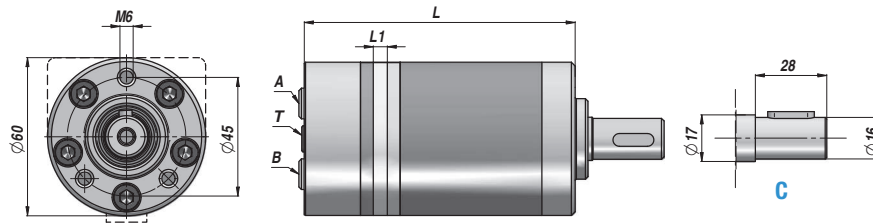
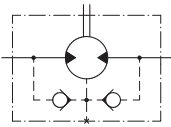
SANS BRIDE
WITHOUT FLANGE



MPM (MM)

Standard: ALIMENTATIONS ARRIERES - REAR PORTS

CLAPET ANTI-RETOUR
INTEGRE
BUILT-IN CHECK VALVES



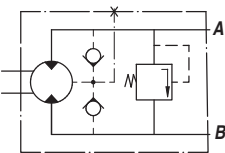
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
						TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>							
MPM008NC16	MPM 8 C	8.2	1950	1.1	16	105.0	140	140 *	3/8"	1/8"	104.0	3.5	1.90
MPM012NC16	MPM 12 C	12.9	1550	1.6	20	105.0	140	140 *			106.0	5.5	2.00
MPM020NC16	MPM 20 C	20.0	1000	2.5	20	105.0	140	140 *			109.0	8.5	2.10
MPM032NC16	MPM 32 C	31.8	630	4.0	20	105.0	140	140 *			114.0	13.5	2.20
MPM040NC16	MPM 40 C	40.0	500	4.1	20	82.5	140	140 *			117.5	17.0	2.30
MPM050NC16	MPM 50 C	50.0	400	4.5	20	70.0	140	140 *			121.5	21.0	2.50

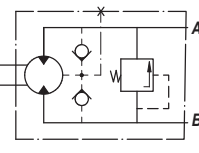
* = AVEC DRAINAGE - WITH DRAIN

OPTION

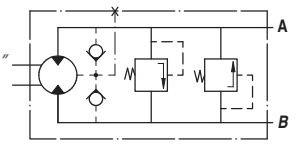
MPM-P.../ R
LP SUR LA LIGNE "A"
RELIEF VALVE ON LINE "A"



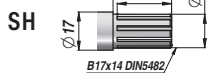
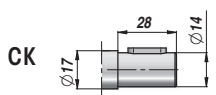
MPM-P.../ L
LP SUR LA LIGNE "B"
RELIEF VALVE ON LINE "B"



MPM-D...
LP SUR LES LIGNES "A/B"
RELIEF VALVE ON LINES "A/B"

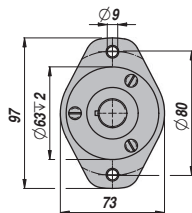


OPTION



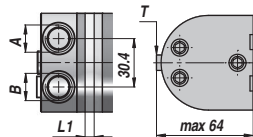
OPTION

F: (Oval Mount)

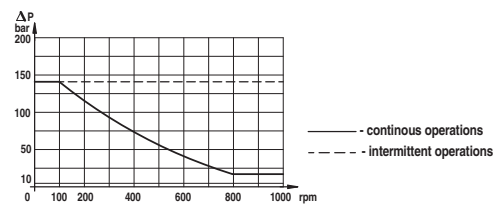


OPTION

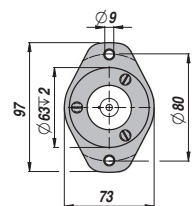
S: ALIMENTATIONS LATÉRALES
SIDE PORTS



PRESSION MAXI EN RETOUR SANS DRAINAGE MAX. RETURN PRESSURE WITHOUT DRAIN



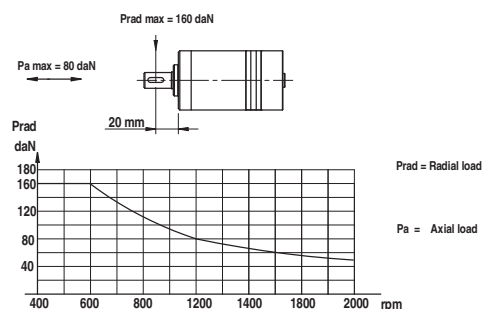
FLANGE KIT
Code: MF48443014



AVEC N.3 VIS M6x14"
WITH No.3 SCREWS M6x14"

CHARGES ADMISSIBLES SUR L'ARBRE PERMISSIBLE SHAFT LOADS

Shaft: "C-CK-SH"



MPP (MP)

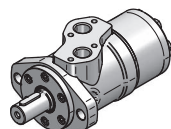


MOTEUR "M+S HYDRAULIC"
"M+S HYDRAULIC" MOTOR

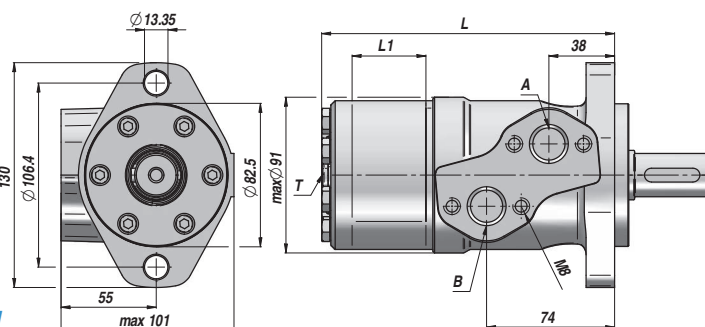
ARBRE CYLINDRIQUE Ø25
PARALLEL SHAFT Ø25

BRIDE "SAE A" - 2 TROUS
"SAE A" FLANGE - 2 HOLES

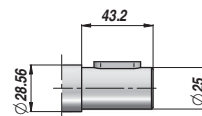
Standard: ALIMENTATIONS LATÉRALES - SIDE PORTS



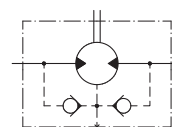
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION



CLAPET ANTI-RETOUR
INTÉGRÉ
BUILT-IN CHECK VALVES



C



Code <i>Code</i>	Type <i>Type</i>	cm³/tr <i>cm³/rev</i>	n. Max tours/min <i>rpm</i>	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute <i>Drop</i> Δp	Entrée <i>Inlet</i>	Retour <i>Return</i>					
			TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>										
MSP025NC25**	MPP 25 CD	25.0	1600	3.3	40	100	175	175 *	1/2"	1/4"	134.0	5.20	5,60
MSP032NC25**	MPP 32 CD	32.0	1560	4.3	50	100	175	175 *			135.0	6.30	5,60
MSP040NC25**	MPP 40 CD	40.0	1500	6.2	60	120	175	175 *			136.5	7.40	5,70
MSP050NC25	MPP 50 C	49.5	1210	9.4	60	140	175	175 *			135.5	6.67	5,80
MSP080NC25	MPP 80 C	79.2	755	15.1	60	140	175	175 *			139.5	10.67	5,90
MSP100NC25	MPP 100 C	99.0	605	19.3	60	140	175	175 *			142.0	13.33	6,10
MSP125NC25	MPP 125 C	123.8	486	23.7	60	140	175	175 *			145.5	16.67	6,20
MSP160NC25	MPP 160 C	158.4	378	31.3	60	140	175	175 *			150.0	21.33	6,40
MSP200NC25	MPP 200 C	198.0	303	36.6	60	140	175	175 *			155.5	26.67	6,60
MSP250NC25	MPP 250 C	247.5	242	38.0	60	110	175	175 *			162.0	33.33	6,80
MSP315NC25	MPP 315 C	316.8	190	38.0	60	90	175	175 *			171.5	42.67	7,10
MSP400NC25	MPP 400 C	396.0	150	36.0	60	70	175	175 *			182.0	53.33	7,60
MSP500NC25	MPP 500 C	495.0	120	39.0	60	60	140	140 *			195.5	66.63	8,90
MSP630NC25	MPP 630 C	623.6	95	44.0	60	55	140	140 *			213.0	84.00	9,50

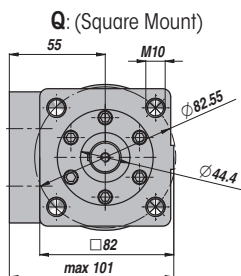
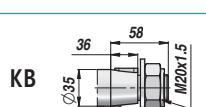
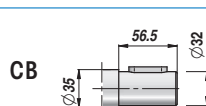
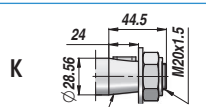
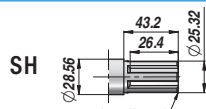
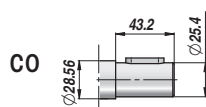
* = AVEC DRAINAGE - WITH DRAIN

** Que en version "D" - "D" Version only (voir graphique - see diagram)

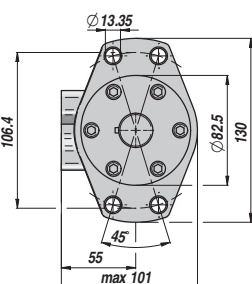
OPTION

OPTION

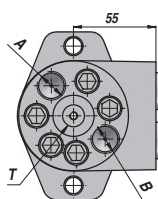
OPTION



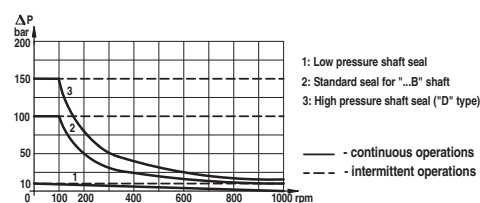
F: SAE A/4 (Oval Mount)



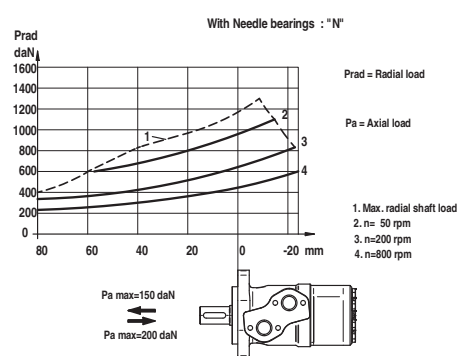
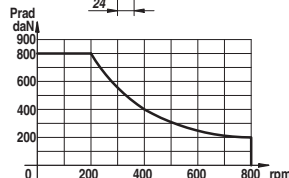
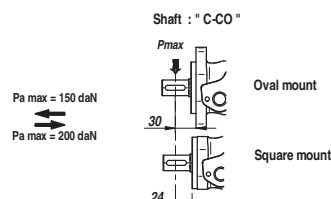
E: ALIMENTATIONS ARRIÈRES
REAR PORTS



PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN



CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS



VERSIONS SPECIALES - SPECIAL VERSIONS

D: joint d'arbre - shaft seal: max 150 bar

N/D: arbre renforcé - with needle bearings

W: moto-rue - wheel mount

MOTEUR "M+S HYDRAULIC"
"M+S HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø25
PARALLEL SHAFT Ø25

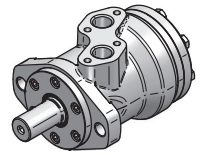
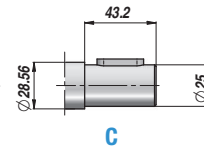
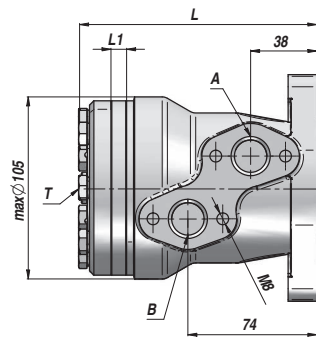
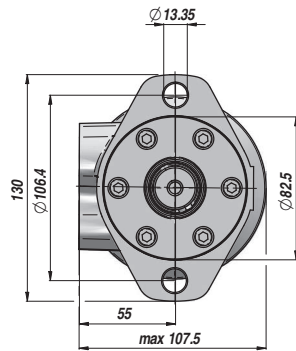
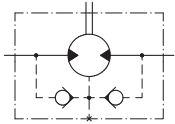
BRIDE "SAE A" - 2 TROUS
"SAE A" FLANGE - 2 HOLES



MPR (MR)

Standard: ALIMENTATIONS LATÉRALES - SIDE PORTS

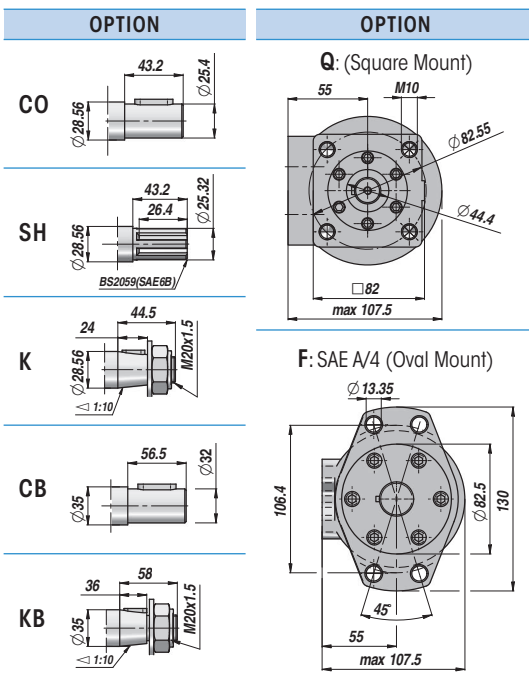
CLAPET ANTI-RETOUR
INTÉGRÉ
BUILT-IN CHECK VALVES



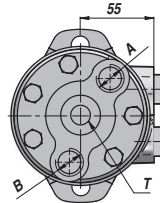
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>													
MSR050NC25	MPR 50 C	51.5	775	10.0	40	140	175	175 *	1/2"	1/4"	138.0	9.0	6,80
MSR080NC25	MPR 80 C	80.3	750	20.0	60	175	175	175 *			143.0	14.0	6,90
MSR100NC25	MPR 100 C	99.8	600	24.0	60	175	175	175 *			146.0	17.4	7,20
MSR125NC25	MPR 125 C	125.7	475	30.0	60	175	175	175 *			150.5	21.8	7,30
MSR160NC25	MPR 160 C	159.6	375	39.0	60	175	175	175 *			156.5	27.8	7,50
MSR200NC25	MPR 200 C	199.8	300	38.5	60	140	175	175 *			163.5	34.8	8,00
MSR250NC25	MPR 250 C	250.1	240	39.0	60	110	175	175 *			172.0	43.5	8,40
MSR315NC25	MPR 315 C	315.7	190	36.0	60	85	175	175 *			183.0	54.8	9,10
MSR400NC25	MPR 400 C	397.0	150	38.0	60	65	175	175 *			198.0	69.4	9,80

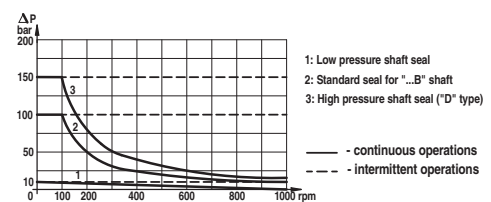
* = AVEC DRAINAGE - WITH DRAIN



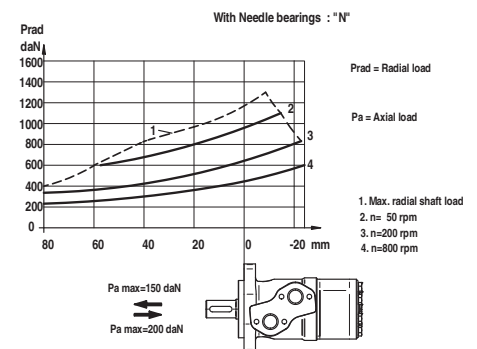
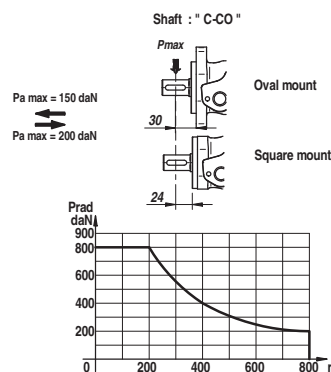
OPTION
E: ALIMENTATIONS ARRIÈRES
REAR PORTS



PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN



CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS



VERSIONS SPECIALES - SPECIAL VERSIONS

D: joint d'arbre - shaft seal: max 150 bar
N/D: arbre renforcé - with needle bearings
W: moto-rue - wheel mount

MPS/Y (MS/Y)

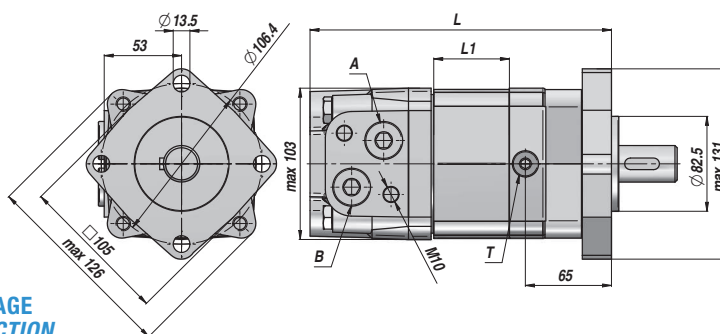
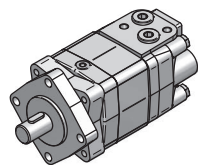


MOTEUR "M+S HYDRAULIC"
"M+S HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø32
PARALLEL SHAFT Ø32

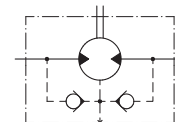
BRIDE "SAE A" - 4 TROUS
"SAE A" FLANGE - 4 HOLES

Standard: ALIMENTATIONS LATÉRALES - SIDE PORTS



CLAPET ANTI-RETOUR
INTÉGRÉ
BUILT-IN CHECK VALVES

PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION



Code Code	Type Type		cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
							Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>														
MPS080NC32	MPS	80 C	80.5	810	24.0	65	210	230	140 *	1/2"	1/4"	168	14.0	9,90
MPS100NC32	MPS	100 C	100.0	750	30.5	75	210	230	140 *			171	17.4	10,10
MPS125NC32	MPS	125 C	125.7	600	37.5	75	210	230	140 *			176	21.8	10,40
MPS160NC32	MPS	160 C	159.7	470	49.0	75	210	230	140 *			182	27.8	10,80
MPS200NC32	MPSY	200 C	200.0	375	61.0	75	210	230	140 *			189	34.8	11,20
MPS250NC32	MPSY	250 C	250.0	300	72.0	75	200	230	140 *			197	43.5	11,70
MPS315NC32	MPSY	315 C	314.9	240	82.5	75	200	230	140 *			209	54.8	12,40
MPS400NC32	MPSY	400 C	397.0	190	86.5	75	160	230	140 *			223	69.4	13,10
MPS475NC32	MPSY	475 C	474.6	160	85.0	75	130	230	140 *			237	82.6	14,10
MPS525NC32	MPSY	525 C	522.7	145	85.0	75	115	230	140 *			229	74.5	14,60
MPS565NC32	MPSY	565 C	564.9	130	85.0	75	105	230	140 *			235	80.2	15,00

* = AVEC DRAINAGE - WITH DRAIN

OPTION

CO

OPTION

Q: (Square Mount)

OPTION

**E: ALIMENTATIONS ARRIÈRES
REAR PORTS**

**PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN**

OPTION

K

OPTION

SH

OPTION

F: SAE A/4 (Oval Mount)

OPTION

SL

VERSIONS SPECIALES - SPECIAL VERSIONS

W: moto-rue - wheel mount

B: avec frein a tambour - with drum brake

S/V: versions courte - short versions

**CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS**

Shaft : "C-CO-K-SH-SL"

Prad = Radial load
Pa = Axial load

Prad max

Pa max = 500 daN

Radial shaft load apply to a B10 bearing life of 2000 hours at 100 rpm. - Pa=0da N

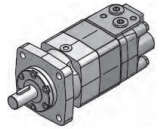
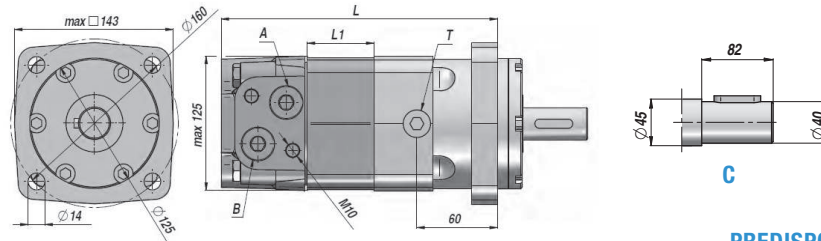
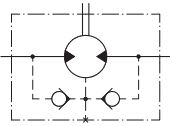
MOTEUR "M+S HYDRAULIC"
"M+S HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø40
PARALLEL SHAFT Ø40

BRIDE CARREE - 4 TROUS
SQUARE FLANGE - 4 HOLES


MPT (MT)

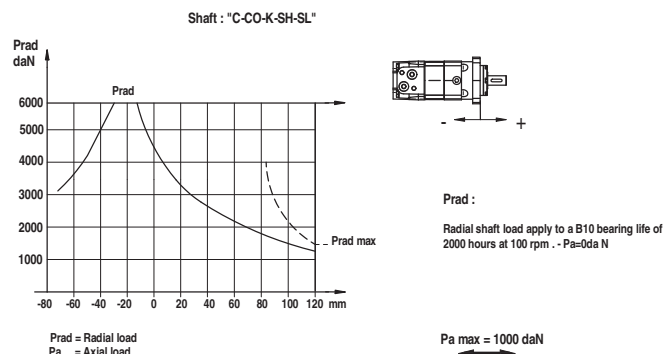
Standard: ALIMENTATIONS LATÉRALES - SIDE PORTS

CLAPET ANTI-RETOUR
INTÉGRÉ
BUILT-IN CHECK VALVES

PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>													
MPT160NC40	MPT 160 C	161.1	622	47	100	200	210	140 *	3/4"	1/4"	190	16.5	20,00
MPT200NC40	MPT 200 C	201.4	620	59	125	200	210	140 *			195	21.5	20,50
MPT250NC40	MPT 250 C	251.8	496	73	125	200	210	140 *			201	27.8	21,00
MPT315NC40	MPT 315 C	326.3	382	95	125	200	210	140 *			211	37.0	22,00
MPT400NC40	MPT 400 C	410.9	304	108	125	180	210	140 *			221	47.5	23,00
MPT500NC40	MPT 500 C	523.6	238	122	125	160	210	140 *			235	61.5	24,00
MPT630NC40	MPT 630 C	631.2	197	130	125	140	210	140 *			231	57.5	24,00
MPT725NC40	MPT 725 C	724.3	172	127	125	120	210	140 *			240	66.5	24,50

* = AVEC DRAINAGE - WITH DRAIN

OPTION	OPTION	OPTION	PRESSION MAXI EN RETOUR SANS DRAINAGE MAX. RETURN PRESSURE WITHOUT DRAIN
CO 	W: (Wheel Mount) 	E: ALIMENTATIONS ARRIERES REAR PORTS 	
K 			
SH 			
SL 			

CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS


VERSIONS SPECIALES - SPECIAL VERSIONS

W: moto-rue - wheel mount

S/V: versions courte - short versions

M: version renforcée - reinforced version

MPV (MV)

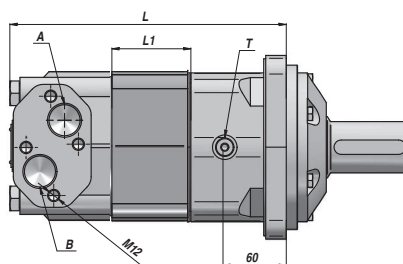
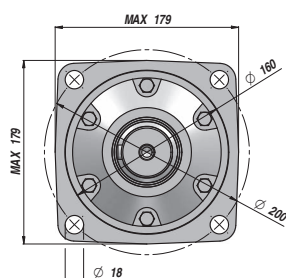
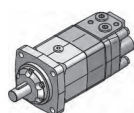


MOTEUR "M+S HYDRAULIC"
"M+S HYDRAULIC" MOTOR

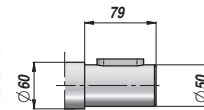
ARBRE CYLINDRIQUE Ø50
PARALLEL SHAFT Ø50

BRIDE CARREE - 4 TROUS
SQUARE FLANGE - 4 HOLES

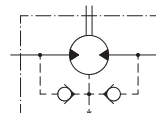
Standard: ALIMENTATIONS LATÉRALES - SIDE PORTS



CLAPET ANTI-RETOUR
INTÉGRE
BUILT-IN CHECK VALVES



C



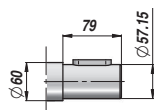
PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

Code Code	Type Type	cm³/tr cm³/rev	n. Max tours/min rpm	M Max daNm	Q MAX l/min	P MAX bar			A - B	T	L	L1	kg
						Chute Drop Δp	Entrée Inlet	Retour Return					
TRAVAIL EN CONTINU - <i>CONTINUOUS WORK</i>													
MPV315C000	MPV 315 C	314.5	510	92	160	200	210	140 *	1"	1/4"	214.5	22.0	31,80
MPV400C000	MPV 400 C	400.9	500	118	200	200	210	140 *			221.5	29.0	32,60
MPV500C000	MPV 500 C	499.6	400	146	200	200	210	140 *			229.5	37.0	33,50
MPV630C000	MPV 630 C	629.1	320	166	200	180	210	140 *			240.0	47.5	34,90
MPV800C000	MPV 800 C	801.8	250	188	200	160	210	140 *			254.0	61.5	36,50

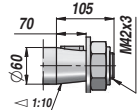
* = AVEC DRAINAGE - WITH DRAIN

OPTION

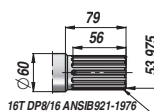
CO



K

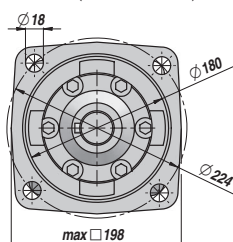


SH

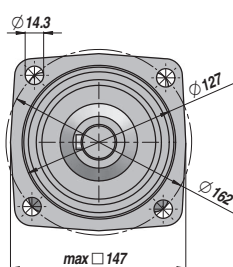


OPTION

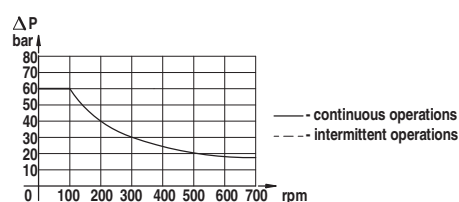
W: (Wheel Mount)



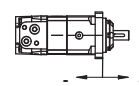
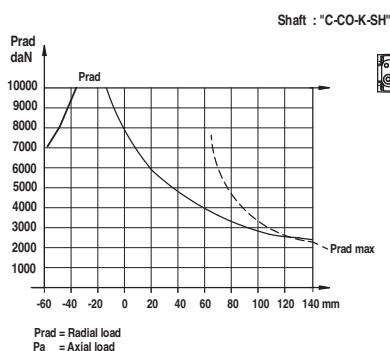
C: SAE C Mount



PRESSION MAXI EN RETOUR SANS DRAINAGE
MAX. RETURN PRESSURE WITHOUT DRAIN



CHARGES ADMISSIBLES SUR L'ARBRE
PERMISSIBLE SHAFT LOADS



Prad :
Radial shaft load apply to a B10 bearing life of
2000 hours at 100 rpm. - Pa=0da N

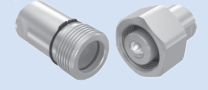
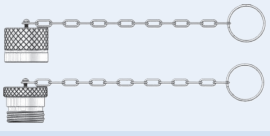
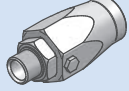
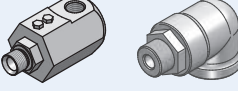
Pa max = 1500 daN

VERSIONS SPECIALES - SPECIAL VERSIONS

W: moto-rue - wheel mount

S/V: versions courte - short versions

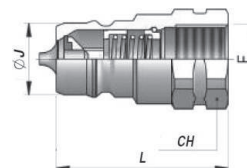
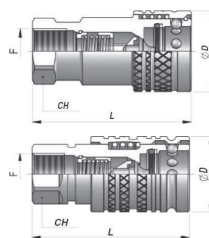
COUPLEURS RAPIDES ET COUPLEURS ROTATIFS QUICK AND ROTARY COUPLINGS

	Description - Description	Type	Page
	COUPLEUR A CLAPET - ISO 7241 "A" VALVE QUICK COUPLING - ISO 7241 "A"	ABIR.NP AIPPV1	336
	COUPLEUR A CLAPET - ISO 7241 "B" VALVE QUICK COUPLING - ISO 7241 "B"	AIPBV1	336
	COUPLEUR A BILLE BALL QUICK COUPLING	AIPDS1	336
	COUPLEUR A CLAPET - Type H5000 VALVE QUICK COUPLING - H5000 Type	AIPDV1	337
	COUPLEUR A CLAPET FACE PLATE - ISO 16028 (DN06->DN30) 250 bar FLAT FACE VALVE QUICK COUPLING - ISO 16028 (DN06->DN30) 250 bar	AIPLT1	337
	COUPLEUR A CLAPET FACE PLATE - ISO 16028 (DN06->DN30) 350 bar FLAT FACE VALVE QUICK COUPLING - ISO 16028 (DN06->DN30) 350 bar	AIPLT4	337
	COUPLEUR A VISSER -Type Faster CVE SCREW COUPLING - Faster CVE Type	AIPVE1	338
	COUPLEUR A VISSER AVEC BOUCHON -Type ROFLE. SCREW COUPLING WITH CAP - ROFLE. Type	AIPVR1	338
	COUPLEUR A VISSER FACE PLATE FLAT FACE SCREW COUPLING	AIPVT4	338
	COUPLEUR A VISSER HEXAGONALE - ISO 14541 (DN06->DN20) HEXAGONAL SCREW COUPLING - ISO 14541 (DN06->DN20)	AIPVV3	339
	BOUCHON DE PROTECTION COUPLEUR PROTECTION CAP	AISP	340
	COUPLEUR ROTATIF EN LIGNE IN LINE ROTARY COUPLING	AGG	341
	COUPLEUR ROTATIF A 90° 90° ROTARY COUPLING	AGG90	341

ABIR.NP / AIPPV1

COUPLEUR A CLAPET
VALVE QUICK COUPLING

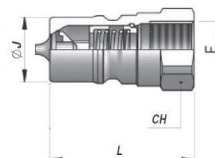
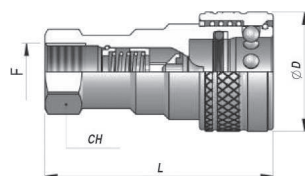

“PUSH-PULL”



Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / ISO 7241 A						
ABIRFNP004000	1/4"	350	49.2	26	19	0,11
ABIRFNP006000	3/8"	350	60,5	30	22	0,15
ABIRFNP008000	1/2"	250	70	38	27	0,27
ABIRFNP012000	3/4"	250	84,3	45	34	0,43
ABIRFNP016000	1"	250	101	52	41	0,7
ABIRFNP020000	1"1/4	200	117	70	50	1,51
FEMELLE - FEMALE / ISO 7241 A "PUSH-PULL"						
AIPPV11313002	1/2"	250	70	38	27	0,3

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / ISO 7241 A						
ABIRMNP004000	1/4"	350	35	11.85	19	0,04
ABIRMNP006000	3/8"	350	42,5	17.3	22	0,06
ABIRMNP008000	1/2"	250	48	20.55	27	0,1
ABIRMNP012000	3/4"	250	57	29.1	34	0,18
ABIRMNP016000	1"	250	67,5	34.35	41	0,3
ABIRMNP020000	1"1/4	200	75	45	50	0,56

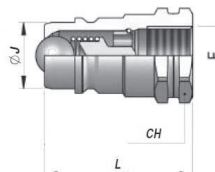
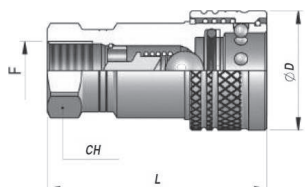
AIPBV1

COUPLEUR A CLAPET
VALVE QUICK COUPLING


Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / ISO 7241 B						
AIPBV10606002	1/4"	250	60	28	19	0,12
AIPBV11010002	3/8"	250	67.2	35	22	0,19

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / ISO 7241 B						
AIPBV10606003	1/4"	250	38	14.2	19	0,04
AIPBV11010003	3/8"	250	42.5	19.1	22	0,6

AIPDS1

COUPLEUR A BILLE
BALL QUICK COUPLING


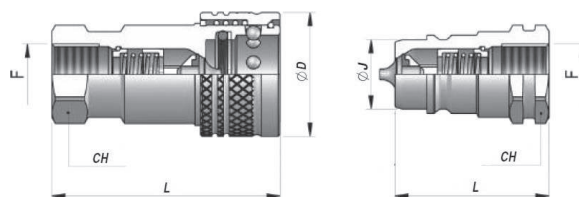
Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / ISO 7241 A						
AIPDS11010002	3/8"	250	63	34	24	0,21

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / ISO 7241 A						
AIPDS11010003	3/8"	250	42.5	19	24	0,09

** COUPLES - COUPLED

COUPLEUR A CLAPET
VALVE QUICK COUPLING

AIPDV1

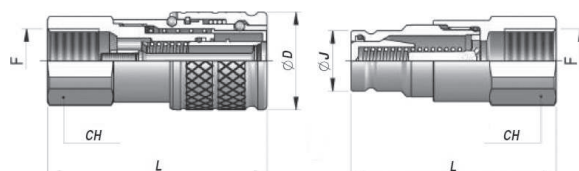


Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / TYPE H5000						
AIRFVPDV10400	1/4"	400	55.5	27	19	0,12
AIRFVPDV10600	3/8"	350	63	34	24	0,2
AIRFVPDV11200	3/4"	250	86	47	34	0,47
AIRFVPDV11600	1"	250	98.8	52	41	0,74

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / TYPE H5000						
AIRMVPDV10400	1/4"	400	38	14.2	19	0,05
AIRMVPDV10600	3/8"	350	42.5	19	24	0,08
AIRMVPDV11200	3/4"	250	57	27.9	34	0,18
AIRMVPDV11600	1"	250	65.5	31.3	41	0,28

COUPLEUR A CLAPET FACE PLATE
FLAT FACE VALVE QUICK COUPLING

AIPLT1

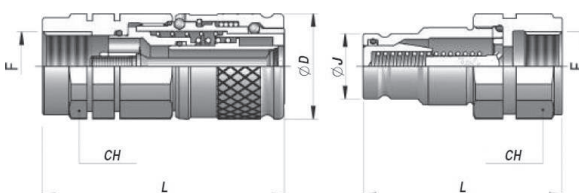


Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / ISO 16028 (DN06->DN30)						
AIPLT10606002	1/4"	300	58.5	28	22	0,18
AIPLT11310002	3/8"	250	67.3	32	27	0,26
AIPLT11313002	1/2"	250	72.3	32	27	0,25
AIPLT12019002	3/4"	250	84	38	36	0,44
AIPLT12525002	1"	250	93.6	48	46	0,79

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / ISO 16028 (DN06->DN30)						
AIPLT10606003	1/4"	300	52	16.2	22	0,1
AIPLT11310003	3/8"	250	63.5	19.76	27	0,16
AIPLT11313003	1/2"	250	67.5	19.76	27	0,15
AIPLT12019003	3/4"	250	74.5	24.55	36	0,28
AIPLT12525003	1"	250	86	29.95	41	0,42

COUPLEUR A CLAPET FACE PLATE
FLAT FACE VALVE QUICK COUPLING

AIPLT4

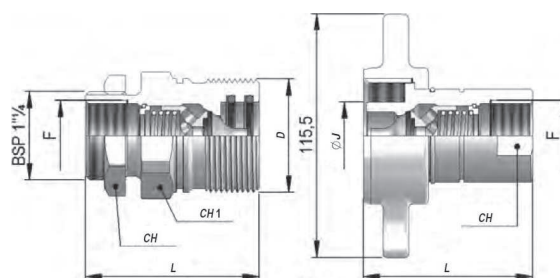


Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / ISO 16028 (DN06->DN30) 350 BAR						
AIPLT40606112	1/4"	400	58.5	28	22	0,18
AIPLT41310112	3/8"	350	73.5	32	30	0,31
AIPLT41313112	1/2"	350	73.5	32	30	0,29
AIPLT42013112	1/2"	350	83.5	38	36	0,53
AIPLT42019112	3/4"	350	83.5	38	36	0,5
AIPLT42519112	3/4"	350	94.5	48	41	0,81
AIPLT42525112	1"	350	97.5	48	41	0,78
AIPLT43025112	1"	350	109.3	55	50	1,24
AIPLT43031112	1"1/4	350	109.3	55	55	1,24

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / ISO 16028 (DN06->DN30) 350 BAR						
AIPLT40606113	1/4"	400	52	16.2	22	0,1
AIPLT41310113	3/8"	350	60.5	19.76	30	0,16
AIPLT41313113	1/2"	350	60.5	19.76	30	0,15
AIPLT42013113	1/2"	350	72.5	24.55	36	0,3
AIPLT42019113	3/4"	350	74.5	24.55	36	0,23
AIPLT42519113	3/4"	350	86	29.95	41	0,48
AIPLT42525113	1"	350	86	29.95	41	0,41
AIPLT43025113	1"	350	90	36	50	0,73
AIPLT43031113	1"1/4	350	90	36	55	0,77

** COUPLES - COUPLED

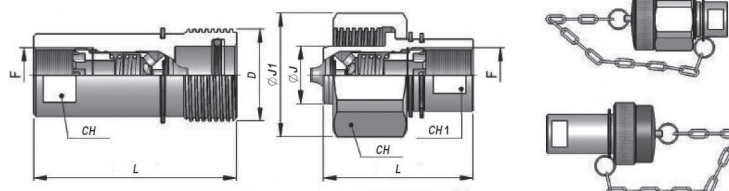
AIPVE1

COUPLEUR A VISSER
SCREW COUPLING


Code Code	F BSP	P MAX bar**	L	D	CH / CH1	kg
FEMELLE - FEMALE / TYPE FASTER CVE						
AIPVE12019002	3/4"	350	78	1 3/4 10 UNS	50 / 46	0,7
AIPVE12525002	1"	300	83	2 1/8 10 UNS	50 / 55	0,92

Code Code	F BSP	P MAX bar**	L	ØJ	CH	kg
MÂLE - MALE / TYPE FASTER CVE						
AIPVE12019003	3/4"	350	76	25.3	33	0,76
AIPVE12525003	1"	300	81	31.7	40	0,87

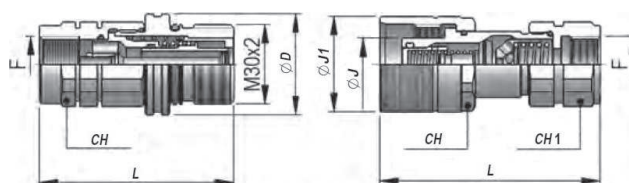
AIPVR1

COUPLEUR A VISSER AVEC BOUCHON
SCREW COUPLING WITH CAP


Code Code	F BSP	P MAX bar**	L	D	CH	kg
FEMELLE - FEMALE / TYPE ROFLE.						
AIPVR11313002C	1/2"	470	95	40	26	0,54
AIPVR12019002C	3/4"	400	99	44.7	30	0,73
AIPVR12525002C	1"	350	106	58	40	1,26
AIPVR13031002C	1 1/4"	320	118	66	48	1,71

Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE / TYPE ROFLE.						
AIPVR11313003C	1/2"	470	70	26 / 55	50 / 26	0,57
AIPVR12019003C	3/4"	400	73	28 / 60	55 / 30	0,68
AIPVR12525003C	1"	350	81	36.8 / 77	70 / 40	1,26
AIPVR13031003C	1 1/4"	320	88	47 / 88	80 / 48	1,93

AIPVT4

COUPLEUR A VISSER FACE PLATE
FLAT FACE SCREW COUPLING


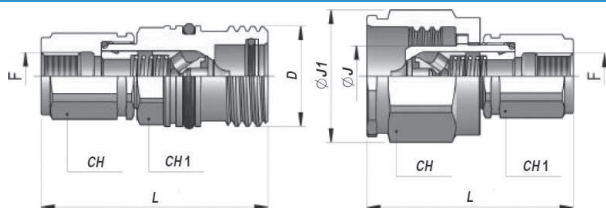
Code Code	F BSP	P MAX bar**	L	ØD	CH	kg
FEMELLE - FEMALE / DIN 3852 2 X						
AIPVT41313112	1/2"	350	73,5	38	30	0,3

Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE / DIN 3852 2 X						
AIPVT41313113	1/2"	350	75	19.7 / 36	32 / 30	0,3

** COUPLES - COUPLED

COUPLEUR AVISSEUR HEXAGONALE
HEXAGONAL SCREW COUPLING

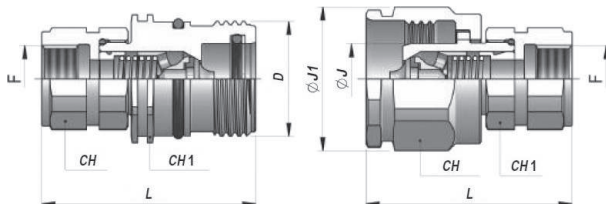
AIPVV3



3/8" M28x2

Code Code	F BSP	P MAX bar**	L	D	CH / CH1	kg
FEMELLE - FEMALE/ISO 14541 (DN06->DN20)						
AIPVV31010112	3/8"	400	64	M28x2	22 / 24	0,16

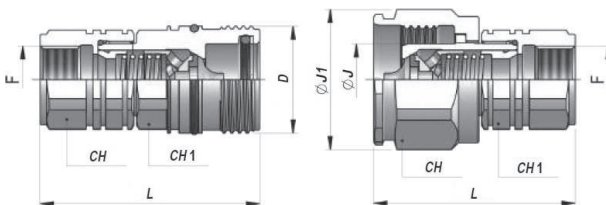
Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE/ISO 14541 (DN06->DN20)						
AIPVV31010113E	3/8"	400	60.2	17.5/38	34 / 22	0,18



1/2" M36x2

Code Code	F BSP	P MAX bar**	L	D	CH / CH1	kg
FEMELLE - FEMALE/ISO 14541 (DN06->DN20)						
AIPVV31313112	1/2"	400	67	M36x2	30 / 36	0,31

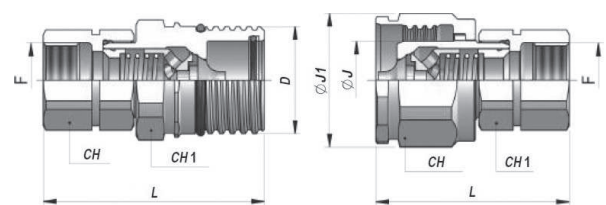
Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE/ISO 14541 (DN06->DN20)						
AIPVV31313113E	1/2"	400	64.5	22/45	41/30	0,28



3/4" M42x2

Code Code	F BSP	P MAX bar**	L	D	CH / CH1	kg
FEMELLE - FEMALE/ISO 14541 (DN06->DN20)						
AIPVV32019112	3/4"	300	85.5	M42x2	36 / 36	0,48

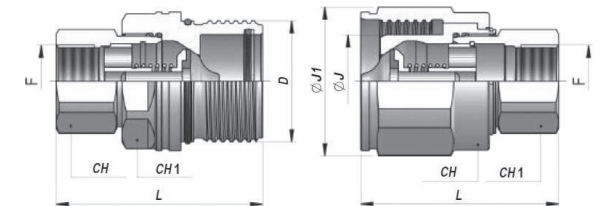
Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE/ISO 14541 (DN06->DN20)						
AIPVV32019113E	3/4"	300	78.5	28/55	50/36	0,54



3/4" M48x3
1" M48x3

Code Code	F BSP	P MAX bar**	L	D	CH / CH1	kg
FEMELLE - FEMALE/ISO 14541 (DN06->DN20)						
AIPVV32519112	3/4"	300	100	M48x3	41 / 50	0,82
AIPVV32525112	1"	300	100	M48x3	41 / 50	0,77

Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE/ISO 14541 (DN06->DN20)						
AIPVV32519113E	3/4"	300	87.5	35/60	55 / 41	0,74
AIPVV32525113E	1"	300	87.5	35/60	55 / 41	0,69

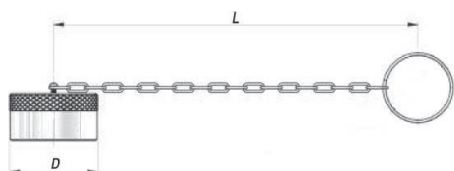


1"1/4 M70x3

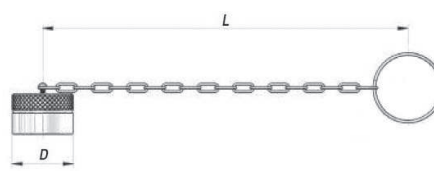
Code Code	F BSP	P MAX bar**	L	D	CH / CH1	kg
FEMELLE - FEMALE/ISO 14541 (DN06->DN20)						
AIPVV33031112	1"1/4	300	119.2	M70x3	55 / 70	1,88

Code Code	F BSP	P MAX bar**	L	ØJ / ØJ1	CH / CH1	kg
MÂLE - MALE/ISO 14541 (DN06->DN20)						
AIPVV33031113E	1"1/4	300	114.5	53.9/86	80 / 55	2,1

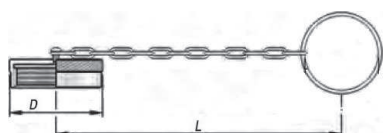
** COUPLES - COUPLED



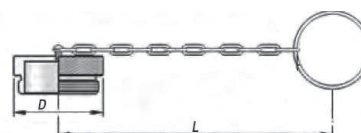
Code Code	Matériel Material	Per For	ØD	L	kg
FEMELLE - FEMALE					
AISPLT0132020	ALU.	AIPLT4	40	200	0,05



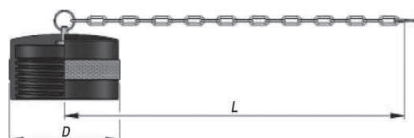
Code Code	Matériel Material	Per For	ØD	L	kg
MÂLE - MALE					
AISPLT0132030	ALU.	AIPLT4	30	200	0,04



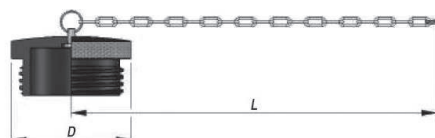
Code Code	Matériel Material	Per For	ØD	L	kg
FEMELLE - FEMALE					
AISPVE020202	ACIER	AIPVE1	49.5	270	0,1
AISPVE025202	ACIER	AIPVE1	59.5	270	0,13



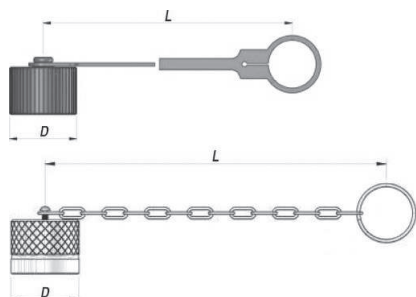
Code Code	Matériel Material	Per For	ØD	L	kg
MÂLE - MALE					
AISPVE020203	ACIER	AIPVE1	49	270	0,17
AISPVE025203	ACIER	AIPVE1	59.5	270	0,22



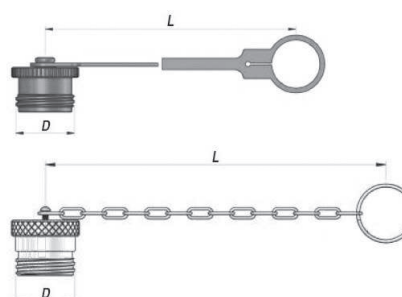
Code Code	Matériel Material	Per For	ØD	L	kg
FEMELLE - FEMALE					
AISPVR020002	PVC	AIPVR1	57	200	0,07
AISPVR030002	PVC	AIPVR1	76	265	0,11



Code Code	Matériel Material	Per For	ØD	L	kg
MÂLE - MALE					
AISPVR020003	PVC	AIPVR1	57	200	0,08
AISPVR030003	PVC	AIPVR1	76	265	0,13



Code Code	Matériel Material	Per For	ØD	L	kg
FEMELLE - FEMALE					
AISPVV006002	PP	AIPVV3	29	120	0,01
AISPVV010002	PP	AIPVV3	34	180	0,01
AISPVV010202	ALU.	AIPVV3	34	205	0,04
AISPVV013002	PP	AIPVV3	42	135	0,02



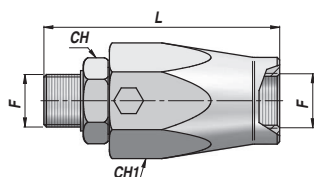
Code Code	Matériel Material	Per For	ØD	L	kg
MÂLE - MALE					
AISPVV006002	PP	AIPVV3	29	120	0,01
AISPVV010003	PP	AIPVV3	34	180	0,01
AISPVV010203	ALU.	AIPVV3	34	205	0,05
AISPVV013003	PP	AIPVV3	41.5	135	0,01

Autres dimensions sur demande - Other dimensions on request

BOUCHON DE PROTECTION COUPLEUR - PROTECTION CAP

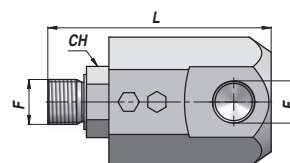
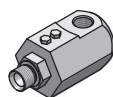
AGG

COUPLEUR ROTATIF EN LIGNE
IN LINE ROTARY COUPLING

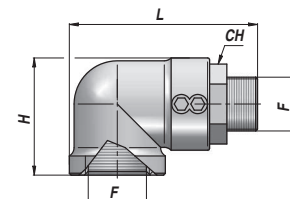
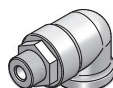


AGG90

COUPLEUR ROTATIF A 90°
90° ROTARY COUPLING



1/4" - 3/8" - 1/2" - 3/4" - 1"



1"1/4 - 1"1/2 - 2"

Code Code	F BSP	P MAX bar	L	CH	CH1	kg
AGG167.000400	1/4"	200	63	19	30	0,21
AGG167.000600	3/8"	200	66	24	34	0,30
AGG167.000800	1/2"	150	73	27	36	0,33
AGG167.001200	3/4"	150	80	34	45	0,54
AGG167.001600	1"	100	90	41	60	1,03
AGG167.002000	1"1/4	100	98	50	60	1,14
AGG167.002400	1"1/2	80	107	55	70	1,68
AGG167.003200	2"	50	117	70	80	2,52

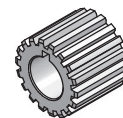
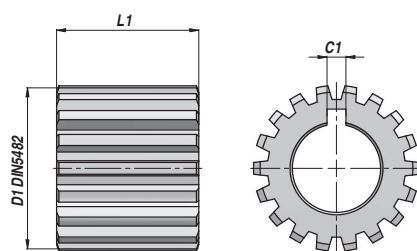
Code Code	F BSP	P MAX bar	L	CH	kg
AGG967.000400	1/4"	200	71	19	0,28
AGG967.000600	3/8"	200	77	24	0,40
AGG967.000800	1/2"	150	86	27	0,55
AGG967.001200	3/4"	150	100	34	1,05
AGG967.001600	1"	100	113	41	1,45
AGG967.002000	1"1/4	100	118	50	1,83
AGG967.002400	1"1/2	80	138	55	3,00
AGG967.003200	2"	50	152	70	3,54

P MA X: pression maxi en rotation - Max rotation pressure

[illegible]

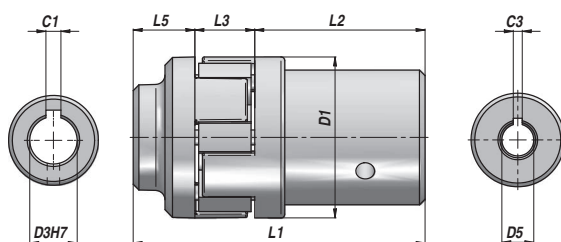
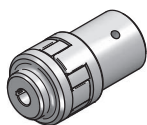
NOIX D'ACCOUPLEMENT
SPLINED COUPLING

BF



Code Code	Type Type	Pompe Pump	C1	D1 DIN 5482	Nr. dents Teeth Nr.	Conicité Taper	L1	kg
BF31000400	BF1-1	GR.1	2.40	20x17	12	1:8	14.5	0,02
BF31001000	BF2/1-1	GR.1	2.40	25x22	14		14.5	0,02
BF31000700	BF2	GR.2	3.17	"	"		22.0	0,03
BF31000800	BF2T	GR.2T	4.00	"	"		22.5	0,04
BF31001900	BF2 Z15	GR.2	3.17	28x25	15		22.0	0,05
BF31002000	BF2T Z15	GR.2T	4.00	"	"		22.5	0,06
BF31003300	BF2.5/2	GR.2	3.17	32x28	17		22.0	0,08
BF31003000	BF2.5/2T	GR.2T	4.00	"	"		22.5	0,08
BF31002300	BF2.5	GR.2.5	4.00	"	"		26.0	0,07
BF31003900	BF3/2	GR.2	3.17	35x31	18		22.0	0,11
BF31004000	BF3/2T	GR.2T	4.00	"	"		22.5	0,11
BF31003500	BF3	GR.3	4.00	"	"		26.0	0,10
BF31005600	BF3.5/2	GR.2	3.17	40x36	20		22.0	0,15
BF31006200	BF3.5/2T	GR.2T	4.00	"	"		22.5	0,15
BF31005800	BF3.5/3	GR.3	4.00	"	"		26.0	0,15
BF31005400	BF3.5	GR.3.5	4.80	"	"		32.0	0,16
BF31007000	BF4/2	GR.2	3.17	48x44	23		22.0	0,24
BF31007100	BF4/2T	GR.2T	4.00	"	"		22.5	0,24
BF31007200	BF4/3	GR.3	4.00	"	"		26.0	0,26
BF31007300	BF4/3.5	GR.3.5	4.80	"	"		32.0	0,30
BF31006600	BF4	GR.4	6.40	"	"		42.0	0,29

MATERIEL : ACIER
MATERIAL : STEEL



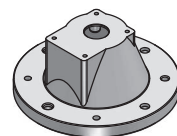
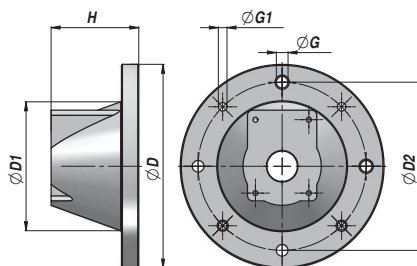
Code Code	Type Type	D1	L1	Moteur Electrique Electric Motor					Pompe Pump				kg
				Kw	ØD3	C1	L2		GR.	D5	C3	L5	
BHS10200002	0414-S04-4S1UN	45	64,3	0.25 - 0.37	14	5	30		GR.1	1:8	2.4	18.3	0,2
BHS10200006	0419-S04-041UN	45	89.3	0.55 - 0.75	19	6	50		GR.1	1:8	2.4	23.3	0,3
BHS10200012	0424-S04-042UN	45	88.5	1.1 - 1.5	24	8	50		GR.2	1:8	3.2 / 4	22.5	0,3
BHS10200014	0528-S05-051UN	55	99.5	2.2 - 3	28	8	60		GR.1	1:8	2.4	21.5	0,5
BHS10200017	0528-S05-052UN	55	99.5	2.2 - 3	28	8	60		GR.2	1:8	3.2 / 4	21.5	0,4
BHS10200024	0738-S07-072UN	74	122	5.5 - 9	38	10	80		GR.2	1:8	3.2 / 4	22	0,9
BHS10200026	0738-S07-073UN	74	123.5	5.5 - 9	38	10	80		GR.3	1:8	4	23.5	0,9
BHS10200028	1042-S10-102UN	104	174.5	11 - 15	42	12	110		GR.2	1:8	3.2 / 4	40.5	1,9
BHS10200030	1042-S10-103UN	104	174.5	11 - 15	42	12	110		GR.3	1:8	4	40.5	2
BHS10200033	1048-S10-103UN	104	174.5	18.5 - 22	48	12	110		GR.3	1:8	4	40.5	2
BHS10200037	0424-S04-041UN	45	89.3	1.1 - 1.5	24	8	50		GR.1	1:8	2.4	23.3	0,3
BHS10200042	0419-S04-042UN	45	88.5	0.55 - 0.75	19	6	50		GR.2	1:8	3.2 / 4	22.5	0,3
BHS10210048	1048-S10-102UN	104	174.5	18.5 - 22	48	12	110		GR.2	1:8	3.2 / 4	40.5	1,8

MATERIEL : ALUMINIUM
MATERIAL : ALUMINIUM

Demi-accouplement côté pompe / moteur disponible sur demande
Pump / motor side half-coupling available on request

LANTERNE POUR MOTEUR ELECTRIQUE
BELL-HOUSING TO CONNECT ELECTRIC MOTOR

AHS



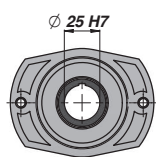
Code Code	Type Type	ØD	Moteur Electrique Electric Motor kW	Pompe Pump	ØD1	H	ØG	ØG1	ØD2	kg
AHS15000001	350MS4F2UN	350	11 - 15 - 18.5 - 22	GR.2	260	181	18	M16	300	2,7
AHS30100200	160MS4F1UN	160	0.25 - 0.37	GR.1	110	70	10	M8	130	0,4
AHS30202800	200MS4F1UN	200	55 - 75	GR.1	135	95	11.5	M10	165	0,7
AHS30203500	200ME4F2UN	200	55 - 75	GR.2	135	95	11.5	M10	165	0,7
AHS30302500	250MS4F1UN	250	2.2 - 3 - 4	GR.1	184	106	14.5	M12	215	1
AHS30302600	250MS4F2UN	250	2.2 - 3 - 4	GR.2	184	106	14.5	M12	215	1
AHS30400800	300MS4F2UN	300	5.5 - 9	GR.2	234	130	14.5	M12	265	1,55
AHS30400900	300MS4F3UN	300	5.5 - 9	GR.3	234	130	14.5	M12	265	1,5
AHS30509200	350MS4F3UN	350	11 - 15 - 18.5 - 22	GR.3	260	181	18	M16	300	2,7

DISPONIBLES AVEC BAGUE DE REDUCTION - ALSO AVAILABLE WITH ADAPTER RING

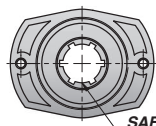
MATERIEL : ALUMINIUM

MATERIAL : ALUMINIUM

REDUCTEUR GR.2 - BRIDE SAE A GR.2 REDUCTION GEAR - SAE A FLANGE

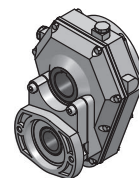
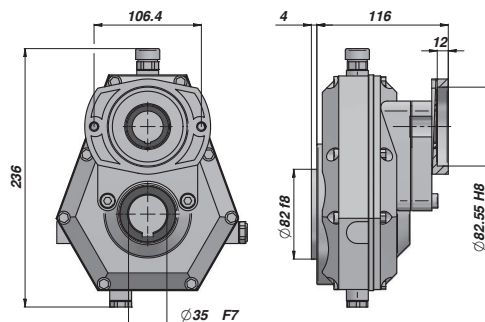
BR95


**Cilindrique
Parallel**



**Cannelé
Splined**

SAE 6B

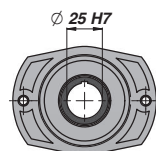


Code Code	Type Type	Arbre - Shaft		Rapport Ratio	kg
		Entrée - Input	Sortie - Output		
BR95001010	95001-1	Cylindrique Parallel Ø25"	Arbre creux Hollow shaft Ø35"	1.5	5,1
BR95001020	95001-2			2.0	5,1
BR95001030	95001-3			2.5	5,1
BR95001040	95001-4			3.0	5,1
BR95001050	95001-5			3.5	5,1
BR95001060	95001-5			3.8	5,1
BR95002010	95002-1	Cannelé Splined SAE 6B"	Arbre creux Hollow shaft Ø35"	1.5	5,1
BR95002020	95002-2			2.0	5,1
BR95002030	95002-3			2.5	5,1
BR95002040	95002-4			3.0	5,1
BR95002050	95002-5			3.5	5,1
BR95002060	95002-6			3.8	5,1

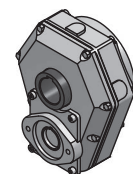
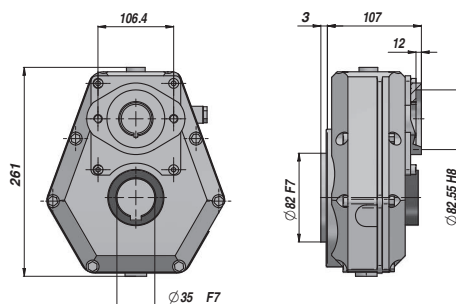
MATERIEL CORPS : ALUMINIUM

BODY MATERIAL : ALUMINIUM

REDUCTEUR GR.3 - BRIDE SAE A GR.3 REDUCTION GEAR - SAE A FLANGE

BR96


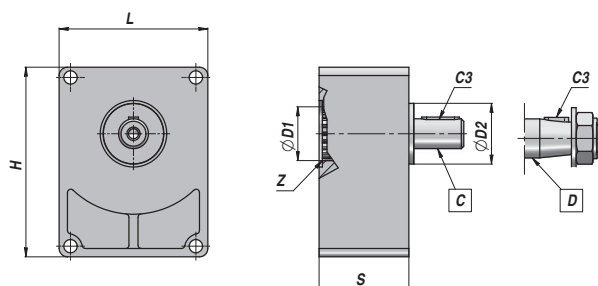
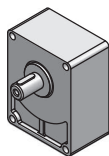
**Cilindrique
Parallel**



Code Code	Type Type	Arbre - Shaft		Rapport Ratio	kg
		Entrée - Input	Sortie - Output		
BR96001010	96001-1	Cylindrique Parallel Ø25"	Arbre creux Hollow shaft Ø35"	1.5	8,5
BR96001020	96001-2			2.0	8,5
BR96001030	96001-3			2.5	8,5
BR96001040	96001-4			3.0	8,5
BR96001050	96001-5			3.5	8,5
BR96001060	96001-6			3.8	8,5

MATERIEL CORPS : ALUMINIUM

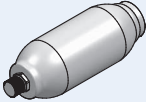
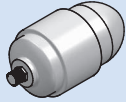
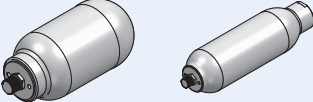
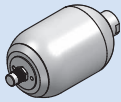
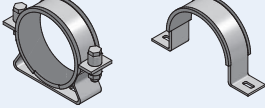
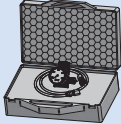
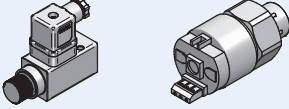
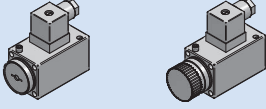
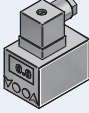
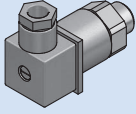
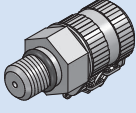
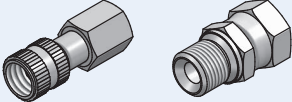
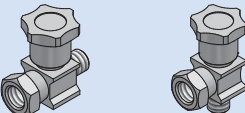
BODY MATERIAL : ALUMINIUM

BU**CONTRE PALIER
BELT PULLEY SUPPORT**

Code Code	Type Type	Pompe Pump	ØD1	Z DIN 5482	ØD2	Arbre Shaft	C3	L	H	S	kg
BU12010002	25601	GR.1	25.4	Z14 - 25x22	50.8	C = Ø18	6x6x25	75.0	93.0	40.0	0,8
BU12020001	25602	GR.2	36.5	Z14 - 25x22	36.5	C = Ø18	6x6x30	89.4	114.0	54.5	1,4
BU12020007	25603	GR.2	36.5	Z15 - 28x25	50.8	C = Ø22	6x6x40	89.4	114.0	54.5	1,75
BU12030001	25604/6	GR.3	50.8	Z18 - 35x31	50.8	C = Ø24	8x7x40	126	150	52.0	2,2
BU12010001	25401	GR.1	25.4	Z14 - 25x22	50.8	D = Conique Taper ed 1:8	4 x 6.5	75.0	93.0	40.0	0,8
BU12020004	25402	GR.2	36.5	Z14 - 25x22	36.5		4 x 6.5	89.4	114.0	54.5	1,4
BU12020008	25403	GR.2	36.5	Z15 - 28x25	50.8		4 x 6.5	89.4	114.0	54.5	1,75
BU12030002	25404/6	GR.3	50.8	Z18 - 35x31	50.8		4 x 7.5	126	150	52.0	2,2

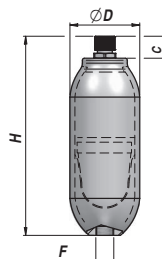
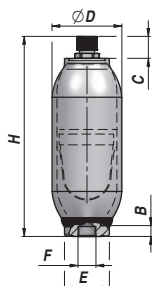
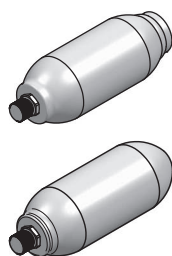
MATERIEL : ALUMINIUM
MATERIAL : ALUMINIUM

ACCUMULATEURS ET INSTRUMENTS DE MESURE ACCUMULATORS AND MEASUREMENT INSTRUMENTS

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	ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR	HST	352
	ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE BLADDER HYDROPNEUMATIC ACCUMULATOR	HTR	353
	ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE BLADDER HYDROPNEUMATIC ACCUMULATOR	HB HBR	353
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H

ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR



H990R - H3000R

En conformité à - *Compliant with* :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
GOST-R (Russia)
SELO (China)

Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	E	B	C	F	Q MAX l/min	kg
ACH0000350	H 350 R	250	lt 0.35	190	70	35	15	23	M18x1.5	35	1,7
ACH0000500	H 500 R	250	lt 0.45	167	92	55	17	23	M18x1.5	50	1,9
ACH0000700	H 700 R	250	lt 0.70	220	92	40	17	23	M18x1.5	40	2,7
ACH0000990	H 990 R	250	lt 0.99	251	92	-	-	23	M18x1.5	50	4
ACH0001000	H 1000 R	250	lt 1.00	200	115	60	19	23	M18x1.5	50	3,5
ACH0001500	H 1500 R	250	lt 1.50	270	115	60	19	23	M18x1.5	40	6,2
ACH0002200	H 2200 R	250	lt 2.20	350	115	60	19	23	M18x1.5	40	7,9
ACH0002800	H 2800 R	250	lt 2.80	391	115	-	-	23	M18x1.5	60	9,8
ACH0004000	H 4000 R	210	lt 3.80	320	170	95	15	23	3/4" BSP	80	14

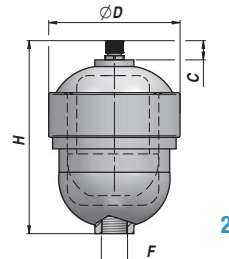
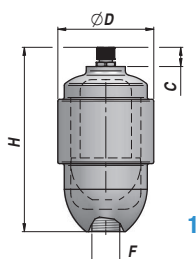
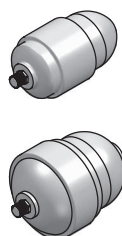
Température d'exercice - *Working temperature* : -20°C - +80°C

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MATERIEL MEMBRANE : NBR
DIAPHRAGM MATERIAL : NBR

HST

ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE, REPARABLE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR, REPARABLE



En conformité à - *Compliant with* :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
GOST-R (Russia)
SELO (China)

Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	C	F	Q MAX l/min	Dessin Drawing	kg
ACHST00050	HST 0.05	300	0.05	98	60	22	3/8" BSP	35	1	1,1
ACHST00100	HST 0.12	300	0.12	151	53	22	M18x1.5	45	1	1,6
ACHST00150	HST 0.15	300	0.15	141	80	22	M18x1.5	45	1	2,5
ACHST00350	HST 0.35	300	0.35	152	101	22	M18x1.5	50	1	4
ACHST00500	HST 0.5	300	0.50	175	124	22	M18x1.5	60	1	5,5
ACHST00700	HST 0.7	300	0.70	218	100	22	M18x1.5	55	1	5,5
ACHST00800	HST 0.8	300	0.80	185	138	22	M18x1.5	60	2	6,3
ACHST01300	HST 1.3	300	1.30	232	125	22	M18x1.5	55	1	8,2
ACHST01500	HST 1.5	300	1.50	270	138	22	M18x1.5	55	2	8,9
ACHST02300	HST 2.3	300	2.30	340	138	22	M18x1.5	55	2	11,5

Température d'exercice - *Working temperature* : -20°C - +80°C

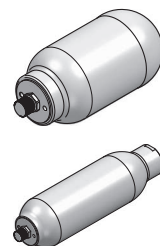
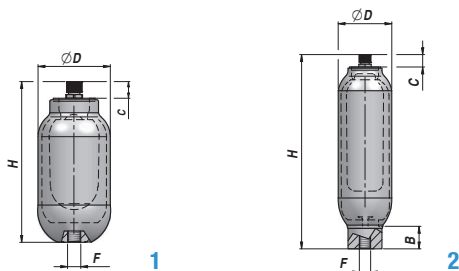
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MATERIEL MEMBRANE : NBR
DIAPHRAGM MATERIAL : NBR

ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE, ACCES VESSIE HAUT
BLADDER HYDROPNEUMATIC ACCUMULATOR, TOP REPARABLE

HTR

En conformité à - Compliant with :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
ASME VIII Div.1
GOST-R (Russia)
SELO (China)

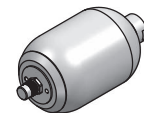
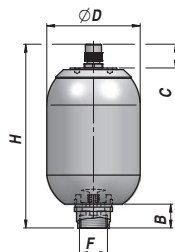


Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	B	C	F	Q MAX l/min	Dessin Drawing	kg
ACHTR01500	HTR 1.5	250	lt 1.50	280	115	25	15	M18x1.5	40	1	5,3
ACHTR02500	HTR 2.5	250	lt 2.50	483	115	50	15	1"1/4 BSP	110	2	11,5
ACHTR04501	HTR 4.5	210	lt 4.50	395	170	80	15	1"1/4 BSP	400	2	15
ACHTR06500	HTR 6.5	210	lt 6.50	520	170	60	20	1"1/4 BSP	350	2	24
ACHTR10000	HTR 10	210	lt 10.00	760	170	80	15	1"1/4 BSP	300	2	31

ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE, ACCES VESSIE BAS
BLADDER HYDROPNEUMATIC ACCUMULATOR, BOTTOM REPARABLE

HB

En conformité à - Compliant with :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
ASME-USTAMP
GOST-R (Russia)
SELO (China)



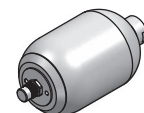
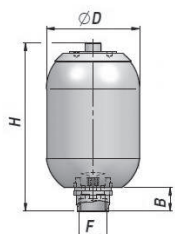
Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	B	C	F BSP	Q MAX l/min	kg
ACHB010000	HB 1	350	lt 1.00	295	114	52	55	3/4"	220	4,5
ACHB025330	HB 2.5	350	lt 2.50	520	114	63	58	1"1/4	220	12
ACHB045330	HB 4.5	350	lt 4.00	410	168	63	58	1"1/4	400	16
ACHB060330	HB 6	350	lt 6.00	505	168	63	58	1"1/4	350	19,5

Litrages supérieurs sur demande, jusqu'à 49 lt - Higher liter sizes on request, up to 49 lt

ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE, ACCES VESSIE HAUT
BLADDER HYDROPNEUMATIC ACCUMULATOR, TOP REPARABLE

HBR

En conformité à - Compliant with :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
ASME-USTAMP
GOST-R (Russia)
SELO (China)



Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	B	C	F BSP	Q MAX l/min	kg
ACHBR04000	HBR4	350	lt 4.00	350	168.3	54	-	1"1/4	400	16
ACHBR06000	HBR6	350	lt 6.00	480	168.3	54	-	1"1/4	350	19,5
ACHBR10000	HBR10	300	lt 10.00	735	168.3	54	-	1"1/4	300	36

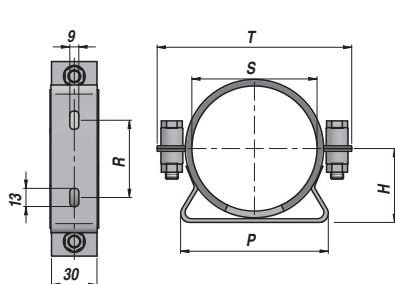
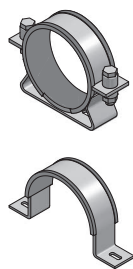
Litrages supérieurs sur demande, jusqu'à 49 lt - Higher liter sizes on request, up to 49 lt

Température d'exercice - Working temperature : -20°C - +80°C

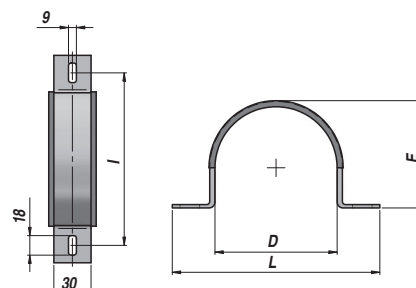
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL
MATERIEL VESSIE : NBR
BLADDER MATERIAL : NBR

ACR-ACRE

COLLIERS POUR FIXAGE ACCUMULATEURS MOUNTING CLAMPS FOR ACCUMULATORS



ACR



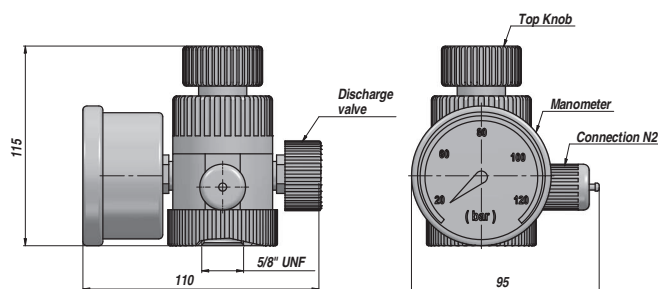
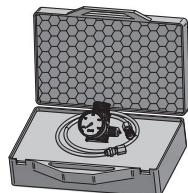
ACRE

Code Code	Type Type	S	R	T	H	P	L	I	D	E	kg
ACR1140000	CR 114	114 ÷ 116	100	180	66	137	-	-	-	-	0,84
ACR1680000	CR 168	168 ÷ 172	148	230	93	180	-	-	-	-	1,00
ACR2230000	CR 223	216 ÷ 225	216	290	110	253	-	-	-	-	1,22
ACRE070000	CRE 70	-	-	-	-	-	125	99	70	68	0,12
ACRE092000	CRE 92	-	-	-	-	-	150	125	92	90	0,15
ACRE115000	CRE 115	-	-	-	-	-	185	160	115	113	0,20
ACRE125000	CRE 125	-	-	-	-	-	190	165	125	123	0,25
ACRE138000	CRE 138	-	-	-	-	-	215	190	138	136	0,30

MATERIEL : ACIER
MATERIAL : STEEL

ACAR

OUTILLAGE DE GONFLAGE ACCUMULATEURS CASE FOR FILLING AND CONTROL DEVICE FOR ACCUMULATORS



Code Code	Type Type	Echelle du manomètre Pressure gauge range	Manomètre Pressure gauge	Tuyaux Flexible Flexible hose	kg
ACAR100000	AR1- 40	0 > 40 bar	Ø63	5/64" DN2 L=2500 mm	1,00
ACAR200000	AR2- 60	0 > 60 bar			1,00
ACAR300000	AR3-100	0 > 100 bar			1,00
ACAR400000	AR4-160	0 > 160 bar			1,00
ACAR500000	AR5-250	0 > 250 bar			1,00
ACAR600000	AR6-400	0 > 400 bar			1,00

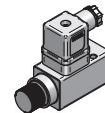
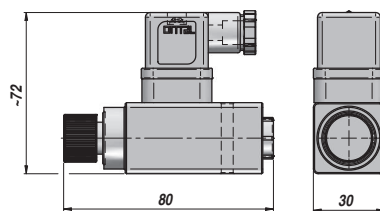
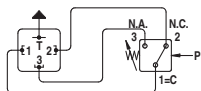
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

PRESSOSTAT REGLABLE ADJUSTABLE PRESSURE SWITCH

F5

EGALEMENT DISPONIBLE
AVEC MOLETTE DE REGLAGE
Type "APIF5*P"

ALSO AVAILABLE
WITH KNOB "APIF5*P" Type



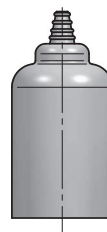
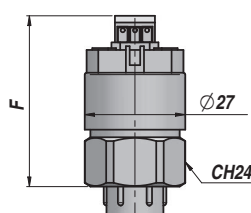
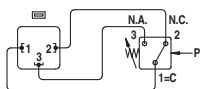
Code Code	Type Type	Plage de réglage Setting Range	Exécution Execution	P MAX bar	Filetage Thread BSP	kg
APIF530000	F53	5 > 50 bar	Piston	300	1/4"	0,15
APIF550000	F55	15 > 150 bar		350		0,15
APIF570000	F57	30 > 300 bar		400		0,15

Température d'exercice - Working temperature : -20°C - +80°C

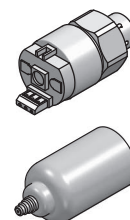
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

PRESSOSTAT REGLABLE ET CAPUCHON DE PROTECTION (P1) ADJUSTABLE PRESSURE SWITCH AND PROTECTION CAP (P1)

F4



P1 / Code: WPB200P0010



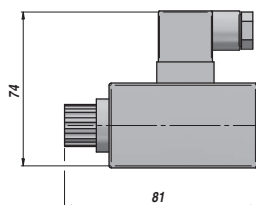
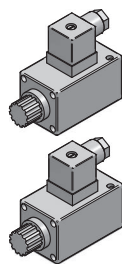
Code Code	Type Type	Plage de réglage Setting Range	Exécution Execution	P MAX bar	Filetage Thread BSP	kg
APIF4R10P2	F4R-1-P2	0.2 > 2.5 bar	Membrane	25	1/4"	0,05
APIF4S10P2	F4S-1-P2	1 > 12 bar	Membrane	25		0,05
APIF4T10P2	F4T-1-P2	5 > 50 bar	Piston	300		0,05
APIF4V10P2	F4V-1-P2	10 > 100 bar	Piston	300		0,05
APIF4Z10P2	F4Z-1-P2	20 > 200 bar	Piston	300		0,05
APIF4Y10P2	F4Y-1-P2	50 > 400 bar	Piston	600		0,05

Température d'exercice - Working temperature : -20°C - +80°C

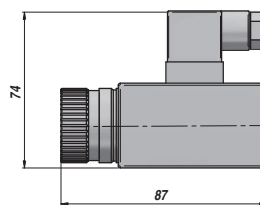
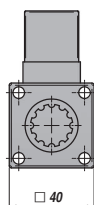
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

K5

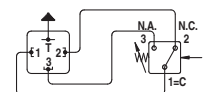
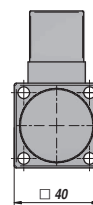
PRESSOSTAT REGLABLE ADJUSTABLE PRESSURE SWITCH



K



KP



Code Code	Type Type	Plage de réglage Setting Range	Exécution Execution	P MAX bar	Connection Connection	kg
APIK530000	K53	2 > 40 bar	Piston	200	1/4" BSP femelle ou montage direct sur embase Cetop	0,35
APIK540000	K54	5 > 100 bar		300		0,35
APIK550000	K55	20 > 200 bar		400		0,35
APIK570000	K57	30 > 300 bar		500		0,35
APIK590000	K59	40 > 400 bar		600		0,35
APIK53P000	K53-P	2 > 40 bar		200		0,40
APIK54P000	K54-P	5 > 100 bar		300		0,40
APIK55P000	K55-P	20 > 200 bar		400		0,40
APIK57P000	K57-P	30 > 300 bar		500		0,40
APIK59P000	K59-P	40 > 400 bar		600		0,40

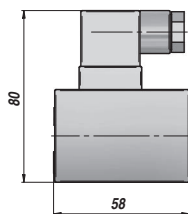
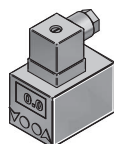
Température d'exercice - Working temperature : -20°C - +80°C

MATERIEL CORPS : ALUMINIUM

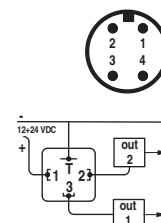
BODY MATERIAL : ALUMINIUM

KLV5

PRESSOSTAT ELECTRONIQUE VISUEL ELECTRONIC PRESSURE SWITCH DISPLAY



+12/24 VDC = Pin 1
GND = Pin 2
NC = Pin 3
NA = Pin 4



Code Code	Type Type	Plage de réglage Setting Range	Exécution Execution	P MAX bar	Filetage Thread BSP	kg
APIKLV5010	KLV50.1-B-M3	0 > 2 bar	B-M3 **	7.5	1/4"	0,43
APIKLV5000	KLV50-B-M3	0 > 5 bar		12.0		0,43
APIKLV5100	KLV51-B-M3	0 > 10 bar		25.0		0,43
APIKLV5200	KLV52-B-M3	0 > 20 bar		50.0		0,43
APIKLV5300	KLV53-B-M3	0 > 50 bar		120.0		0,43
APIKLV5400	KLV54-B-M3	0 > 100 bar		250.0		0,43
APIKLV5500	KLV55-B-M3	0 > 200 bar		500.0		0,43
APIKLV5900	KLV59-B-M3	0 > 400 bar		600.0		0,43
APIKLV5960	KLV59.6-B-M3	0 > 600 bar		800.0		0,43

** B-M3 = Contacts séparés : Ouvert + Fermé (NA + NC) - Avec connecteur

** B-M3 = Separate contacts : Open + Closed (NO + NC) - With connector

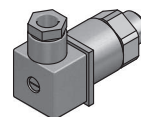
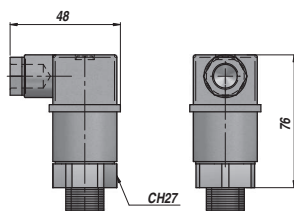
Température d'exercice - Working temperature : -20°C - +80°C

MATERIEL CORPS : ALUMINIUM

BODY MATERIAL : ALUMINIUM

THERMOSTAT BIMETALLIQUE BIMETALLIC THERMOSTAT

TM4



Code Code	Type Type	Valeur d'intervention par défaut Fix set switching °C	Contact électrique Electric contact	P MAX bar	Filetage Thread BSP	kg
ATTM44A100	TM44 -A1	40	NA = Normalement ouvert Normally Open	200	1/2"	0,07
ATTM45A100	TM45 -A1	50				0,07
ATTM46A100	TM46 -A1	60				0,07
ATTM47A100	TM47 -A1	70				0,07
ATTM48A100	TM48 -A1	80				0,07
ATTM49A100	TM49 -A1	90				0,07
ATTM490A10	TM49.0-A1	100				0,07
ATTM491A10	TM49.1-A1	110				0,07
ATTM492A10	TM49.2-A1	120				0,07

Température d'exercice - Working temperature : -20°C - +80°C

MATERIEL CORPS : LAITON

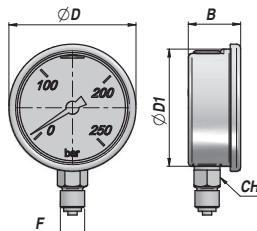
BODY MATERIAL : BRASS

MANOMETRE EN BAIN DE GLYCERINE - FIXATION RADIALE GLYCERINE PRESSURE GAUGE - RADIAL FITTING

AMGR

EGALEMENT DISPONIBLE
AVEC FIXATION 'AXIALE'
Type "AMGP"

ALSO AVAILABLE
'AXIAL' FITTING "AMGP" Type



Code Code	DN	F BSP	Echelle Range bar	B	CH	ØD	kg
AMGR063010	63	1/4"	0 / 10	28.0	14	68.0	0,20
AMGR063025	63		0 / 25				0,20
AMGR063060	63		0 / 60				0,20
AMGR063100	63		0 / 100				0,20
AMGR063160	63		0 / 160				0,20
AMGR063250	63		0 / 250				0,20
AMGR063400	63		0 / 400				0,20
AMGR063600	63		0 / 600				0,20
AMGR100010	100	1/2"	0 / 10	33.9	17	109.8	0,40
AMGR100025	100		0 / 25				0,40
AMGR100060	100		0 / 60				0,40
AMGR100100	100		0 / 100				0,40
AMGR100160	100		0 / 160				0,40
AMGR100250	100		0 / 250				0,40
AMGR100400	100		0 / 400				0,40
AMGR100600	100		0 / 600				0,40

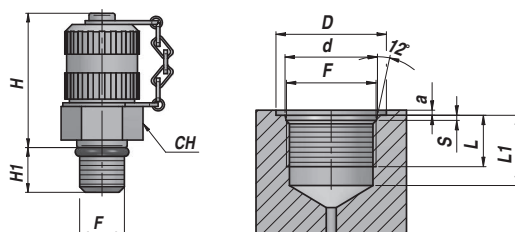
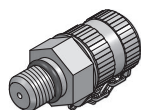
Pour fixation 'AXIALE' remplacer le code "AMGR" par "AMGP", UNIQUEMENT sur Ø63 ! - For 'AXIAL' fitting replace the code "AMGR" by "AMGP", ONLY on Ø63 !

MATERIEL CORPS : BOITE INOX

BODY MATERIAL : STAINLESS STEEL CASING

AM-E

PRISE DE PRESSION M16x2 - TYPE "E"
THREADED COUPLING M16x2 - TYPE "E"



TYPE E

Code Code	F	PN bar	H	H1	CH	d	D	L	L1	S	a	kg x100
AM0171X20C *	7/16"-20UNF	630	37	9	17	12.4	17	11.5	14.0	2.4	1.6	6,50
AM0112X20C	1/2"-20UNF	630	37	10	17	14.0	18	11.5	14.0	2.4	1.6	6,80
AM0191X18C *	9/16"-18UNF	630	37	10	19	15.6	20	12.7	15.5	2.5	1.6	7,60
AM0134X16C	3/4"-16UNF	630	37	14	22	20.5	25	16.0	20.0	2.6	2.4	8,00

PN = Pression Nominale - Nominal pressure

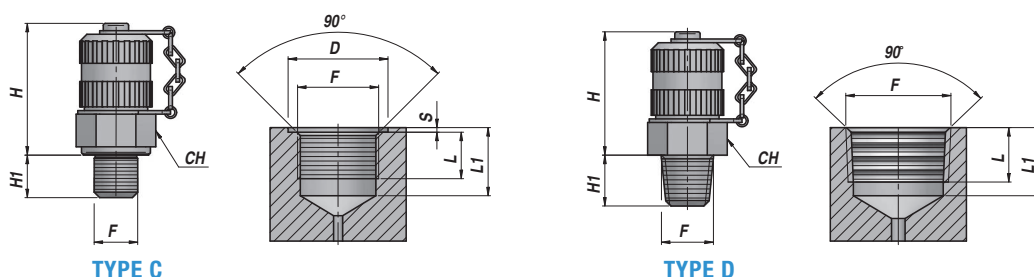
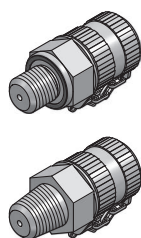
* = SUR DEMANDE : ACIER INOX AISI316 - ON REQUEST : STAINLESS STEEL AISI 316

MATERIEL : ACIER

MATERIAL : STEEL

AM-C / AM-D

PRISE DE PRESSION M16x2 - TYPE "C" ET TYPE "D"
THREADED COUPLING M16x2 - TYPE "C" AND TYPE "D"



TYPE C

TYPE D

Code Code	Type Type	F	PN	H	H1	CH	D	L	L1	S	kg x100
AM0718G00C *	C	1/8"	630	37	8	17	17	10.0	13.5	1.0	6,80
AM0714G00C *	C	1/4"	630	37	12	19	20	14.0	18.5	1.0	7,50
AM0738G00C *	C	3/8"	630	37	14	22	24	16.0	18.5	1.5	9,40
AM0712G00C *	C	1/2"	630	37	15	27	30	18.0	24.0	1.5	12,60
AM0410X10C *	C	M10x1	630	37	8	17	17	10.0	13.5	1.0	6,80
AM0612X15C *	C	M12x1.5	630	37	10	17	18	12.0	18.5	1.0	6,90
AM0614X15C *	C	M14x1.5	630	37	12	19	20	14.0	18.5	1.0	7,60
AM0616X15C	C	M16x1.5	630	37	12	22	22	14.0	18.5	1.5	8,50
AM0818280C *	D	1/8"	400	37	10	17	-	5.5	12.0	-	6,30
AM0814190C *	D	1/4"	630	37	12	19	-	8.5	13.5	-	7,40
AM0838190C	D	3/8"	630	37	14	22	-	12.0	20.0	-	8,00

PN = Pression Nominale - Nominal pressure

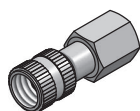
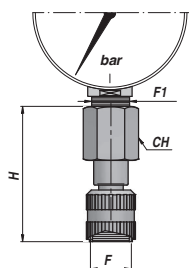
* = SUR DEMANDE : ACIER INOX AISI316 - ON REQUEST : STAINLESS STEEL AISI 316

MATERIEL : ACIER

MATERIAL : STEEL

SUPPORT MANOMETRE
GAUGE ADAPTER

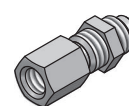
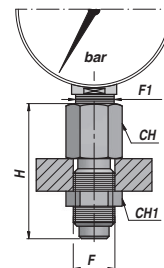
AM20



SUPPORT MANOMETRE
GAUGE ADAPTER

AM18

CLOISON
BULKHEAD ADAPTER



Code Code	F	F1	PN	H	CH	kg x100
AM20140000 *	M16x2	1/4"	630	50	19	7,20
AM20120000 *	M16x2	1/2"	630	55	27	11,60

Code Code	F	F1	PN	H	CH/CH1	kg x100
AM18140000 *	M16x2	1/4"	630	50	19/19	6,20
AM18120000 *	M16x2	1/2"	630	57	27/19	11,10

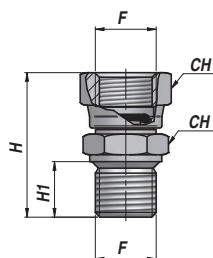
PN = Pression Nominale - Nominal pressure

MATERIEL : ACIER

MATERIAL : STEEL

CONNECTION SUPPORT MANOMETRE ORIENTABLE
SWIVEL PRESSURE GAUGE CONNECTION

AM18.M



Code Code	F	PN	H	H1	CH	kg x100
AM1814M000 *	1/4"	400	34	11	17	3,50
AM1812M000 *	1/2"	400	46	15	27	14,13

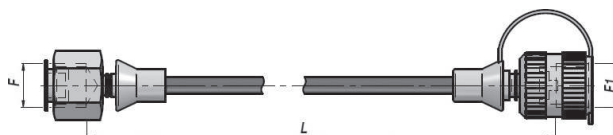
PN = Pression Nominale - Nominal pressure

MATERIEL : ACIER

MATERIAL : STEEL

TUYAUX CAPILLAIRES POUR HAUTE PRESSION AVEC RACCORDS
MICRO HOSE FOR HYGH PRESSURE WITH FITTINGS

ARS0



Code Code	PN	L mm	F	F1
ARS0.01002	630	1000	1/4"	M16x2
ARS0.02010	630	2000	1/4"	M16x2

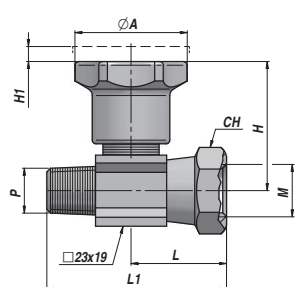
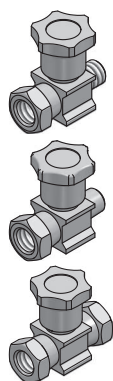
PN = Pression Nominale - Nominal pressure

MATERIEL : ACIER

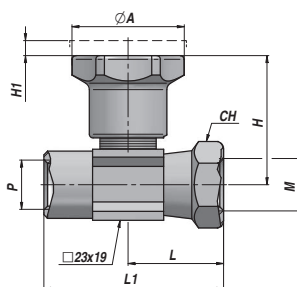
MATERIAL : STEEL

EMIL

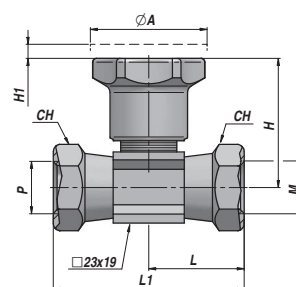
ROBINET D'EXCLUSION MANOMETRE - TYPE EN LIGNE
GAUGE ISOLATOR - LINE TYPE



A



B



C

Code Code	P	M BSP	Q MAX l/min	P MAX bar	Type Type	L1	L	H	H1	ØA	CH	kg
EMIL01A.0400	1/4" BSPT	1/4"	5	350	EMIL 01-A	50	27	38	4	30	19	0,13
EMIL01B.0400	1/4" BSP	1/4"	5	350	EMIL 01-B	48	27	38	4	30	19	0,14
EMIL01C.0400	1/4" BSP	1/4"	5	350	EMIL 01-C	50	27	38	4	30	19	0,15

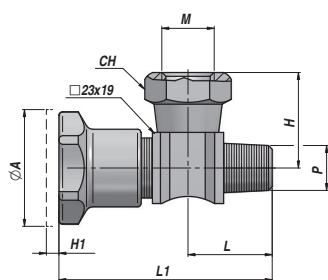
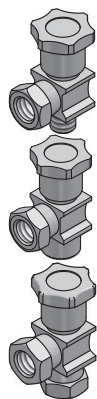
SUR DEMANDE : ECRU TRAVERSÉE DE CLOISON - ON REQUEST : PANEL MOUNTING NUT

MATÉRIEL CORPS : ACIER
BODY MATERIAL : STEEL

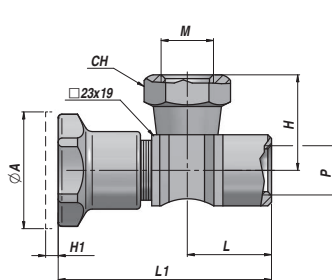
MONTAGE EN LIGNE
LINE MOUNTING

EM90

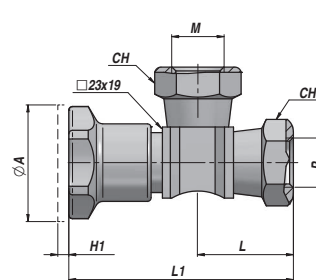
ROBINET D'EXCLUSION MANOMETRE - TYPE 90°
GAUGE ISOLATOR - 90° TYPE



A



B



C

Code Code	P	M BSP	Q MAX l/min	P MAX bar	Type Type	L1	L	H	H1	ØA	CH	kg
EM9001A.0400	1/4" BSPT	1/4"	5	350	EM90 01-A	60	24	38	4	30	19	0,13
EM9001B.0400	1/4" BSP	1/4"	5	350	EM90 01-B	58	22	38	4	30	19	0,13
EM9001C.0400	1/4" BSP	1/4"	5	350	EM90 01-C	62	26	38	4	30	19	0,14

SUR DEMANDE : ECRU TRAVERSÉE DE CLOISON - ON REQUEST : PANEL MOUNTING NUT

MATÉRIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

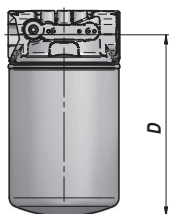
FILTRES ET ACCESSOIRES FILTER AND ACCESSORIES

[illegible]

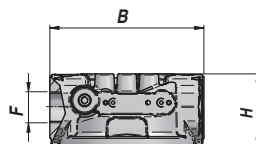
AFACA

AFAC - AFCA

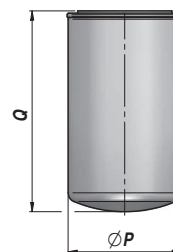
FILTRE ASPIRATION EN LIGNE "SPIN-ON"
IN-LINE SUCTION "SPIN-ON" FILTER



AFACA



AFAC

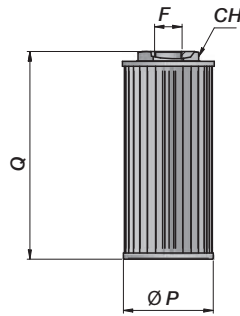
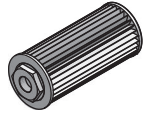


AFCA

AFACA					AFAC						AFCA					
FILTRE COMPLET COMPLETE FILTER					TETE FILTRE FILTER HEAD						CARTOUCHE ELEMENT					
Code Code	Type Type	l/min max	D	kg	Code Code	Type Type	F BSP	B	H	kg	Code Code	Type Type	µm	ØP	Q	kg
AFACA06010	HF620-20.135 SP010	30	174	1,05	AFAC008001	HF620-20-B02	3/4"	94	48.5	0,34	AFCA006010	HEK45-20.135 SP010	10	96	148	0,51
AFACA06030	HF620-20.135 SP025	35	174	1,05							AFCA006030	HEK45-20.135 SP025	25	96	148	0,51
AFACA06060	HF620-20.135 MS060	40	174	1,05							AFCA006060	HEK45-20.135 MS060	60	96	148	0,51
AFACA08010	HF620-20.180 SP010	35	236	1,28							AFCA008010	HEK45-20.180 SP010	10	96	210	0,7
AFACA08030	HF620-20.180 SP025	40	236	1,28							AFCA008030	HEK45-20.180 SP025	25	96	210	0,7
AFACA08060	HF620-20.180 MS060	40	236	1,28							AFCA008060	HEK45-20.180 MS060	60	96	210	0,95
AFACA16010	HF620-30.155 SP010	75	213	1,87	AFAC016001	HF620-30-B02	1"1/4	134	64	0,71	AFCA016010	HEK45-30.155 SP010	10	126	180	1,15
AFACA16030	HF620-30.155 SP025	90	213	1,87							AFCA016030	HEK45-30.155 SP025	25	126	180	1,15
AFACA16060	HF620-30.155 MS060	100	213	1,87							AFCA016060	HEK45-30.155 MS060	60	126	180	1,22
AFACA20010	HF620-30.210 SP010	80	261	2,17							AFCA020010	HEK45-30.210 SP010	10	126	228	1,41
AFACA20030	HF620-30.210 SP025	100	261	2,17							AFCA020030	HEK45-30.210 SP025	25	126	228	1,41
AFACA20060	HF620-30.210 MS060	105	261	2,17							AFCA020060	HEK45-30.210 MS060	60	126	228	1,8

CREPINES ASPIRATION
THREADED SUCTION FILTER

AFIOA

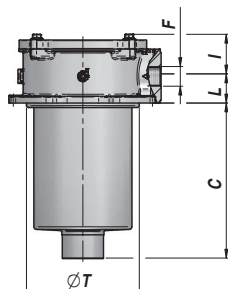
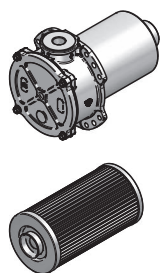


Code Code	Type Type	l/min	F BSP	µm	ØP	Q	CH	kg
AFIOA02000	HF410-10.060 MS090	15	3/8"	90	52	84	27	0,1
AFIOA02060	HF410-10.060 MI060	10	3/8"	60	52	84	27	0,1
AFIOA03500	HF410-20.077 MS090	25	1/2"	90	70	104	34	0,2
AFIOA03560	HF410-20.077 MI060	20	1/2"	60	70	104	34	0,2
AFIOA05000	HF410-20.077 MS090	30	3/4"	90	70	104	34	0,2
AFIOA05030	HF410-20.077 MI025	20	3/4"	25	70	104	34	0,2
AFIOA05060	HF410-20.077 MI060	25	3/4"	60	70	104	34	0,2
AFIOA09000	HF410-20.122 MS090	45	1"	90	70	148	50	0,25
AFIOA09030	HF410-20.122 MI025	30	1"	25	70	148	50	0,25
AFIOA09060	HF410-20.122 MI060	35	1"	60	70	148	50	0,25
AFIOA13030	HF410-30.162 MI025	60	1"1/4	25	99	195	60	0,45
AFIOA13060	HF410-30.162 MI060	85	1"1/4	60	99	195	60	0,45
AFIOA13090	HF410-30.162 MS090	105	1"1/4	90	99	195	60	0,45
AFIOA18000	HF410-30.195 MS090	130	1"1/2	90	99	228	60	0,5
AFIOA36000	HF410-40.195 MS090	230	2"	90	130	235	100	1,15

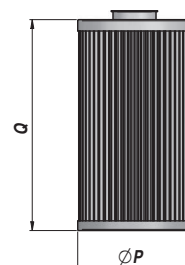
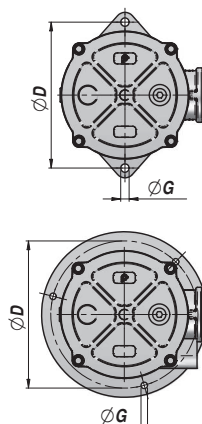
AFIO

AFCR

FILTRE RETOUR SEMI PLONGE
RETURN-LINE FILTER



AFIO



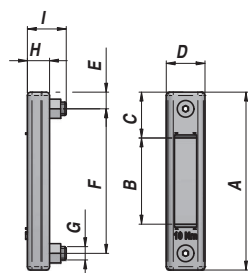
AFCR

AFIO			FILTRE COMPLET COMPLETE FILTER								
Code Code	Type Type	l/min max	kg	F BSP	ØT	C	L	I	ØD	ØG	
AFIO030010	HF502-10.060 RP010	25	0,43	1/2"	66.5	83	20.5	34	89	M6	
AFIO030030	HF502-10.060 RP025	45	0,43								
AFIO050030	HF502-20.077 RP025	65	0,96	1/2"	87.5	103	28.5	44.5	115	M8	
AFIO050060	HF502-20.077 MI060	70	0,96								
AFIO060030	HF502-20.077 RP025	75	0,96	3/4"	87.5	103	28.5	44.5	115		
AFIO080010	HF502-20.122 RP010	75	1,07	3/4"	87.5	148	28.5	44.5	115	M8	
AFIO080030	HF502-20.122 RP025	95	1,07								
AFIO080060	HF502-20.122 MI060	90	1,07								
AFIO100000	HF502-20.122 MS090	105	1,07	1"							
AFIO100010	HF502-20.122 RP010	75	1,07	1"							
AFIO100030	HF502-20.122 RP025	100	1,07	1"	87.5	148	28.5	44.5	115	M8	
AFIO100060	HF502-20.122 MI060	100	1,07	1"							
AFIO10061	HF502-20.122 MI060	90	1,07	3/4"							
AFIO150010	HF502-30.195 RP010	190	2,24	1"	129	230	35.5	53	175	M10	
AFIO150030	HF502-30.195 RP025	210	2,24								
AFIO180000	HF502-30.195 MS90	270	2,24	1"1/4	129	230	35.5	53	175	M10	
AFIO180030	HF502-30.195 RP025	270	2,24								
AFIO200010	HF502-30.239 RP010	230	2,46	1"1/4	129	273	35.5	53	175	M10	

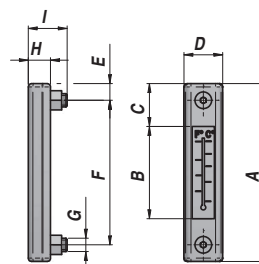
AFCR		CARTOUCHE ELEMENT					
Code Code	Type Type	Pour AFIO Type For AFIO Type	µm	ØP	Q	kg	
AFCR003577	HEK02-20.122 RP010	HF502-20.122	10	70	140	0,32	
AFCR003584	HEK02-20.122 RP025	HF502-20.122	25	70	140	0,32	
AFCR010151	HEK02-30.195 MI060	HF502-30.195	60	99	212	0,72	
AFCR010191	HEK02-30.195 RP025	HF502-30.195	25	99	212	0,72	
AFCR030000	HEK02-10.060 MS090	HF502-10.060	90	52	75	0,12	
AFCR030030	HEK02-10.060 RP025	HF502-10.060	25	52	75	0,12	
AFCR050030	HEK02-20.064 RP025	HF502-20.077	25	-	-	0,21	
AFCR060030	HEK02-20.077 RP025	HF502-20.077	25	70	95	0,29	
AFCR100030	HEK02-20.122 RP025	HF502-20.122	25	70	140	0,3	
AFCR100060	HEK02-20.122 MI060	HF502-20.122	60	70	140	0,3	
AFCR180010	HEK02-30.195 RP010	HF502-30.195	10	99	212	0,72	
AFCR180030	HEK02-30.195 RP025	HF502-30.195	25	99	212	0,72	
AFCR200010	HEK02-30.239 RP010	HF502-30.239	10	99	255	0,8	

INDICATEUR DE NIVEAU HUILE VERTICAL
VERTICAL OIL LEVEL GAUGE

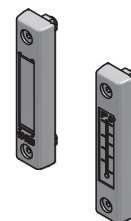
LVO - LVOT



LVO



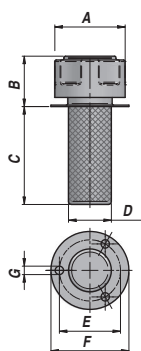
LVOT



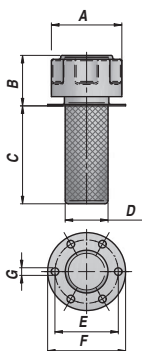
Code Code	Type Type	A	B	C	D	E	F	G	H	I	kg
ALV0007610	LVO 76/10	108	31	39	37	16	76	M10	23	41	0,20
ALV0007612	LVO 76/12	108	31				76	M12			0,20
ALV0012710	LVO 127/10	159	82				127	M10			0,24
ALV0012712	LVO 127/12	159	82				127	M12			0,24
ALV0025412	LVO 254/12	285	209				254	M12			0,40
ALVOT07610	LVOT 76/10	108	31	39	37	16	76	M10	23	41	0,20
ALVOT07612	LVOT 76/12	108	31				76	M12			0,20
ALVOT12710	LVOT 127/10	159	82				127	M10			0,24
ALVOT12712	LVOT 127/12	159	82				127	M12			0,24
ALVOT25412	LVOT 254/12	285	209				254	M12			0,40

BOUCHON DE REMPLISSAGE AVEC RENIFLARD
FILLER CAP WITH BREATHER

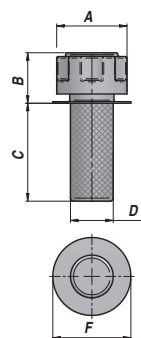
TCO



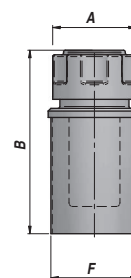
TCO300



TCO500



TCO501



TCO502



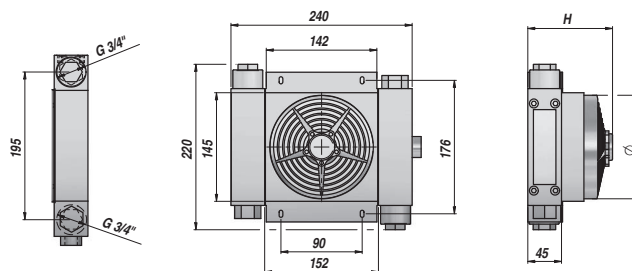
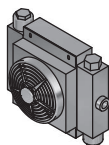
Code Code	Type Type	Reniflard - Breather		A	B	C	D	E	F	G	kg
		µm	l/min								
ATC0300000	TCO 300/4	40	300	46	35	63	28	41	51	5.5	0,10
ATC0301000	TCO 300/1	10	270	46	35	63	28	41	51	5.5	0,10
ATC0500000	TCO 500/4	40	500	70	46	100	40	73	84	5.5	0,25
ATC0501000	TCO 500/1	10	470	70	46	100	40	73	84	5.5	0,25
ATC0500100	TCO 501/4	40	500	70	46	100	40	-	84	-	0,25
ATC0501100	TCO 501/1	10	470	70	46	100	40	-	84	-	0,25
ATC0500200	TCO 502/4	40	500	70	180	-	-	-	64	-	0,60
ATC0501200	TCO 502/1	10	470	70	180	-	-	-	64	-	0,60

ECHANGEUR THERMIQUE AIR/HUILE
HEAT EXCHANGERS - AIR/OIL

[illegible]

GRS25

ECCHANGEUR THERMIQUE AIR/HUILE HEAT EXCHANGER - AIR/OIL

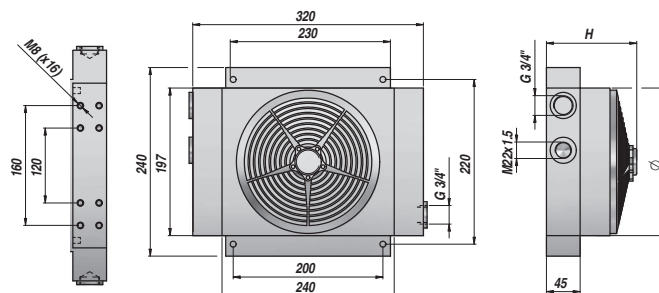
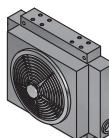


Code <i>Code</i>	Type <i>Type</i>	Type de moteur <i>Setting</i>	Q l/min	H mm	Ventilateur - <i>Fan</i>		Masse radiant <i>Radiator mass</i>	Absorption <i>Consumption</i>	kg
					Ø				
AS0189380011	GRS25-12 A	V12DC	10/80	160	167	Aspirant <i>Sucking</i>	0.99 dm3	5.2 A	4.00
AS0189380021	GRS25-24 A	V24DC	10/80	160	167			2.8 A	4.00
AS0189380031	GRS25-230 A	V230/50-60Hz	10/80	155	170			0.23 A	4.00
AS0189380041	GRS25-400 A	V230/400/50-60Hz	10/80	155	170			0.9 A	4.00
AS0189380051	GRS25-Hyd. A	for GR.1 gear motor *	10/80	165	170			0.6 kW	4.00

* Moteur à engrenages GR.1 fourni sur demande - *Gr.1 gear motor supplied on request*

GRS50

ECCHANGEUR THERMIQUE AIR/HUILE HEAT EXCHANGER - AIR/OIL

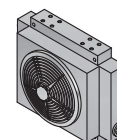
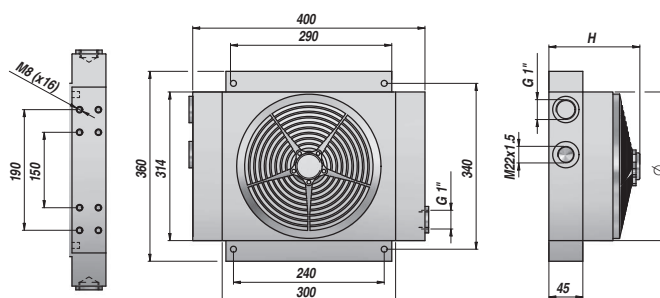


Code <i>Code</i>	Type <i>Type</i>	Type de moteur <i>Setting</i>	Q l/min	H mm	Ventilateur - <i>Fan</i>		Masse radiant <i>Radiator mass</i>	Absorption <i>Consumption</i>	kg
					Ø				
AS0100610011	GRS50-12 A	V12DC	10/80	140	190	Aspirant <i>Sucking</i>	2.13 dm3	8.0 A	5,00
AS0100610021	GRS50-24 A	V24DC	10/80	140	190			4.3 A	5,00
AS0100610031	GRS50-230 A	V230/50-60Hz	10/80	135	200			0.34 A	5,00
AS0100610041	GRS50-400 A	V230/400/50-60Hz	10/80	135	200			0.13 A	5,00
AS0100610051	GRS50-Hyd. A	for GR.1 gear motor *	10/80	145	195			0.7 kW	5,00

* Moteur à engrenages GR.1 fourni sur demande - *Gr.1 gear motor supplied on request*

ECHANGEUR THERMIQUE AIR/HUILE
HEAT EXCHANGER - AIR/OIL

GRS100

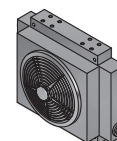
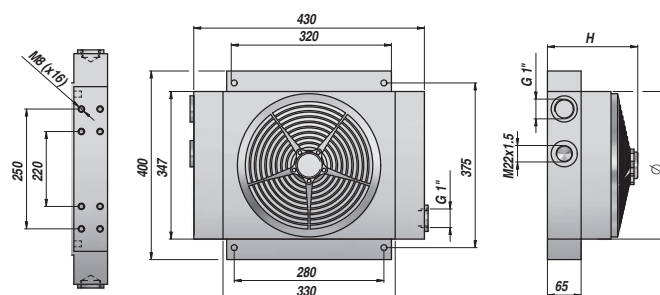


Code Code	Type Type	Type de moteur Setting	Q l/min	H mm	Ventilateur - Fan	Masse radiant Radiator mass	Absorption Consumption	kg	
					Ø				
AS0100630011	GRS100-12 A	V12DC	20/120	210	305	Aspirant Sucking	4.24 dm3	15.0 A	9.00
AS0100630021	GRS100-24 A	V24DC	20/120	210	305			7.8 A	9.00
AS0100630031	GRS100-230 A	V230/50-60Hz	20/120	175	300			1.55 A	9.00
AS0100630041	GRS100-400 A	V230/400/50-60Hz	20/120	175	300			0.48 A	9.00
AS0100630051	GRS100-Hyd. A	for GR.2 gear motor *	20/120	228	300			0.41 kW	9.00

* Moteur à engrenages GR.2 fourni sur demande - Gr.2 gear motor supplied on request

ECHANGEUR THERMIQUE AIR/HUILE
HEAT EXCHANGER - AIR/OIL

GRS150



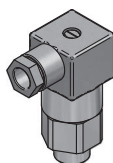
Code Code	Type Type	Type de moteur Setting	Q l/min	H mm	Ventilateur - Fan	Masse radiant Radiator mass	Absorption Consumption	kg
					Ø			
AS0100650011	GRS150-12 A	V12DC	30/140	230	305	Aspirant Sucking	15.0 A	13.00
AS0100650021	GRS150-24 A	V24DC	30/140	230	305		7.8 A	13.00
AS0100650031	GRS150-230 A	V230/50-60Hz	30/140	195	300		1.55 A	13.00
AS0100650041	GRS150-400 A	V230/400/50-60Hz	30/140	195	300		0.48 A	13.00
AS0100650051	GRS150-Hyd. A	for GR.2 gear motor *	30/140	245	300		0.41 kW	13.00

* Moteur à engrenages GR.2 fourni sur demande - Gr.2 gear motor supplied on request

THERMOSTAT
THERMOSTAT

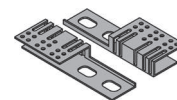
ATER

Code Code	Température Temperature	Filetage Thread	kg
ATERODIN4050	40/50 °C	M22x1.5	0,20
ATERODIN5060	50/60 °C	M22x1.5	0,20
ATERODIN6070	60/70 °C	M22x1.5	0,20
ATERODIN7080	70/80 °C	M22x1.5	0,20

PATTES DE FIXATION (PAIRE)
MOUNTING BRACKETS (PAIR)

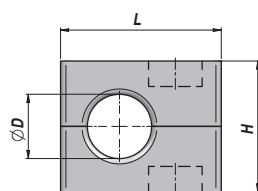
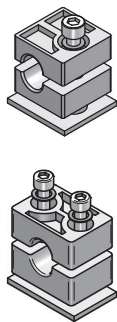
ASTU

Code Code	Pcs Pcs	kg
ASTU00002000	2	1,00

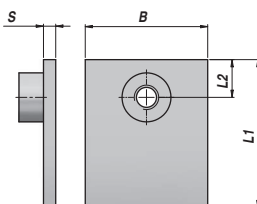


[illegible]

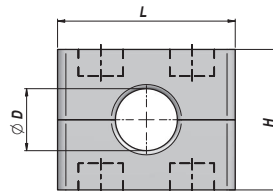
ADS

COLLIER DE SERRAGE TUBES - SERIE STANDARD (POLYPROPYLENE)
CLAMP - STANDARD SERIES (POLYPROPYLENE)

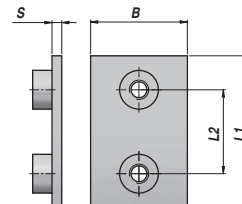
C1



P1

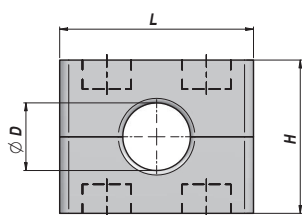
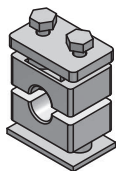


C2-C8

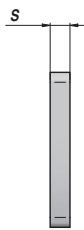


P2-P8

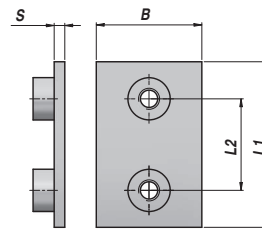
CORPS COLLIER CLAMP BODY						PLAQUE A SOUDER WELD PLATE							VIS TC-EI SOCKET CAP SCREW ISO 4762			RONDELLE WASHER		
Code Code	Type Type	ØD mm	L	H	kg x100	Code Code	Type Type	L1	L2	B	S	kg x100	Code Code	Type Type	Size	Code Code	Type Type	Pcs. Pcs
ADSPPC1006	C1	6.0	28	27	1,31	ADP1000000	P1	31.5	10	30	3	2,61	ADVTC02000	TCEI1	1 x M6x20	ADSRP06000	RP	1
ADSPPC1064		6.4			1,32													
ADSPPC1008		8.0			1,27													
ADSPPC1095		9.5			1,25													
ADSPPC1010		10.0			1,20													
ADSPPC1012		12.0			1,11													
ADSPPC1127		12.7			1,08													
ADSPPC2006	C2	6.0	37	27	1,73	ADP2000000	P2	36	20	30	3	3,21	ADVTC02000	TCEI2	2 x M6x20	ADSRP06000	RP	2
ADSPPC2064		6.4			1,68													
ADSPPC2008		8.0			1,65													
ADSPPC2095		9.5			1,60													
ADSPPC2010		10.0			1,57													
ADSPPC2012		12.0			1,48													
ADSPPC2127		12.7			1,48													
ADSPPC3127	C3	12.7	42	33	2,49	ADP3000000	P3	42	26	30	3	3,58	ADVTC03000	TCEI3	2 x M6x25	ADSRP06000	RP	2
ADSPPC3135		13.5			2,16													
ADSPPC3014		14.0			2,10													
ADSPPC3015		15.0			2,04													
ADSPPC3016		16.0			1,97													
ADSPPC3172		17.2			1,91													
ADSPPC3018		18.0			1,86													
ADSPPC4019	C4	19.0	50	36	2,96	ADP4000000	P4	50	33	30	3	4,47	ADVTC04000	TCEI4	2 x M6x30	ADSRP06000	RP	2
ADSPPC4020		20.0			2,86													
ADSPPC4213		21.3			2,76													
ADSPPC4022		22.0			2,74													
ADSPPC4023		23.0			2,63													
ADSPPC4025		25.0			2,44													
ADSPPC4254		25.4			2,40													
ADSPPC5269	C5	26.9	57	42	3,33	ADP5000000	P5	60	40	30	3	4,83	ADVTC05000	TCEI5	2 x M6x35	ADSRP06000	RP	2
ADSPPC5028		28.0			3,21													
ADSPPC5029		29.0			3,14													
ADSPPC5030		30.0			3,00													
ADSPPC5032		32.0			2,82													



CP1-5



P CP1-5

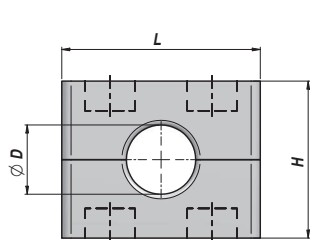
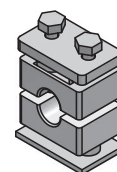


PS CP1-5

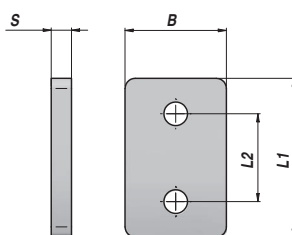
CORPS COLLIER CLAMP BODY						PLAQUE A SOUDER WELD PLATE							PLAQUE SUPERIEURE UPPER PLATE							VIS TE-CP HEXAGON HEAD BOLT ISO 4014 / 4017		
Code Code	Type Type	ØD mm	L	H	kg x100	Code Code	Type Type	L1	L2	B	S	kg x100	Code Code	Type Type	L1	L2	B	S	kg x100	Code Code	Type Type	Size
ADSPPCP01006	CP1	6.0	57	33	3,00	ADPCP0100000	P CP1	74	33	30	8	14,80	ADPSCP010000	PS CP1	56	33	30	8	9,22	ADVTECP01000	TE CP1	2 x M10x45
ADSPPCP01064		6.4			2,99																	
ADSPPCP01008		8.0			2,88																	
ADSPPCP01095		9.5			2,91																	
ADSPPCP01010		10.0			2,90																	
ADSPPCP01012		12.0			2,84																	
ADSPPCP01127		12.7			2,92																	
ADSPPCP01135		13.5			2,81																	
ADSPPCP01014		14.0			2,76																	
ADSPPCP01015		15.0			2,75																	
ADSPPCP01016		16.0			2,71																	
ADSPPCP01172		17.2			2,72																	
ADSPPCP01018		18.0			2,65																	
ADSPPCP01019		19.0			2,64																	
ADSPPCP01020		20.0			2,56																	
ADSPPCP02019	CP2	19.0	69	49	5,73	ADPCP0200000	P CP2	86	45	30	8	17,19	ADPSCP020000	PS CP2	69	45	30	8	11,85	ADVTECP02000	TE CP2	2 x M10x60
ADSPPCP02020		20.0			5,65																	
ADSPPCP02213		21.3			5,58																	
ADSPPCP02022		22.0			5,44																	
ADSPPCP02025		25.0			5,27																	
ADSPPCP02254		25.4			5,24																	
ADSPPCP02269		26.9			5,36																	
ADSPPCP02028		28.0			5,19																	
ADSPPCP02030		30.0			4,95																	
ADSPPCP03030	CP3	30.0	84	60	7,80	ADPCP0300000	P CP3	100	60	30	8	19,75	ADPSCP030000	PS CP3	84	60	30	8	14,79	ADVTECP03000	TE CP3	2 x M10x70
ADSPPCP03032		32.0			7,59																	
ADSPPCP03337		33.7			7,49																	
ADSPPCP03035		35.0			7,46																	
ADSPPCP03036		36.0			7,28																	
ADSPPCP03038		38.0			7,17																	
ADSPPCP03040		40.0			6,87																	
ADSPPCP03042		42.4			6,78																	
ADSPPCP03043		43.0			6,45																	
ADSPPCP03045		45.0			6,38																	

COLLIER DE SERRAGE - SERIE LOURDE (POLYPROPYLENE)
CLAMP - HEAVY SERIES (POLYPROPYLENE)

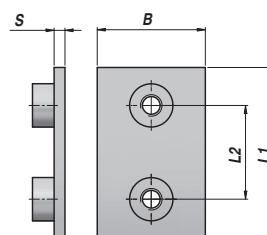
ADSCP



CP1-5



P CP1-5

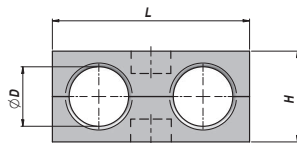
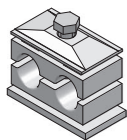


PS CP1-5

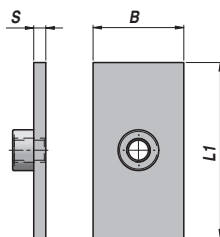
CORPS COLLIER CLAMP BODY						PLAQUE A SOUDER WELD PLATE								PLAQUE SUPERIEURE UPPER PLATE								VIS TE-CP HEXAGON HEAD BOLT ISO 4014 / 4017		
Code Code	Type Type	ØD mm	L	H	kg x100	Code Code	Type Type	L1	L2	B	S	kg x100	Code Code	Type Type	L1	L2	B	S	kg x100	Code Code	Type Type	Size		
ADSPPCP04337	CP4	33.7	116	88	23,47	ADPCP0400000	P CP4	140	90	45	10	48,11	ADPSCP0400000	PS CP4	115	90	45	10	37,62	ADVTECP04000	TE CP4	2 x M12x100		
ADSPPCP04038		38.0			21,15																			
ADSPPCP04040		40.0			20,80																			
ADSPPCP04424		42.4			20,45																			
ADSPPCP04445		44.5			22,42																			
ADSPPCP04045		45.0			20,00																			
ADSPPCP04483		48.3			19,06																			
ADSPPCP04050		50.0			19,00																			
ADSPPCP04508		50.8			19,00																			
ADSPPCP04053		53.0			18,50																			
ADSPPCP04054		54.0			18,47																			
ADSPPCP04055		55.0			18,20																			
ADSPPCP04056		56.0			18,15																			
ADSPPCP04572		57.2			17,96																			
ADSPPCP04060		60.3			17,33																			
ADSPPCP04635		63.5			16,57																			
ADSPPCP04065		65.0			16,20																			
ADSPPCP04070		70.0			14,97																			
ADSPPCP05603	CP5	60.3	155	118	42,61	ADPCP0500000	P CP5	180	122	60	10	84,07	ADPSCP0500000	PS CP5	152	122	60	10	64,87	ADVTECP05000	TE CP5	2 x M16x130		
ADSPPCP05065		65.0			41,85																			
ADSPPCP05066		66.0			42,02																			
ADSPPCP05070		70.0			40,12																			
ADSPPCP05073		73.0			40,24																			
ADSPPCP05761		76.1			39,80																			
ADSPPCP05080		80.0			37,85																			
ADSPPCP05085		85.0			36,70																			
ADSPPCP05889		88.9			35,24																			
ADSPPCP05090		90.0			34,80																			

MATERIEL CORPS COLLIER : POLYPROPYLENE - MATERIEL PLAQUE : ACIER ZINGUE - MATERIEL VIS ET RONDELLE : ACIER 8.8
 CLAMP BODY MATERIAL : POLYPROPYLENE - PLATE MATERIAL : ZINC PLATED STEEL - SCREW AND WASHER MATERIAL : STEEL 8.8

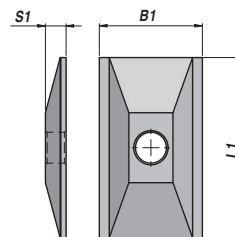
ADD

COLLIER DE SERRAGE TUBES - SERIE DOUBLE "CF" (POLYPROPYLENE)
CLAMP - "CF" DOUBLE SERIES (POLYPROPYLENE)

CF1-5



P CF1-5



PS CF1-5

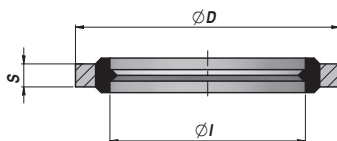
CORPS COLLIER CLAMP BODY						PLAQUE A SOUDER WELD PLATE						PLAQUE SUPERIEURE UPPER PLATE						VISTE HEXAGON HEAD BOLT ISO 4014 / 4017		
Code Code	Type Type	ØD mm	L	H	kg x100	Code Code	Type Type	L1	B	S	kg x100	Code Code	Type Type	L1	B1	S1	kg x100	Code Code	Type Type	Size
ADDCF10060	CF1	6.0	36	27	1,60	ADPCF01000	P CF1	37	30	3	2,94	ADPSCF1000	PS CF1	34.5	30	7	2,31	ADVTECF0100	TE CF1	1 x M6x35
ADDCF10064		6.4			1,62															
ADDCF10080		8.0			1,52															
ADDCF10095		9.5			1,59															
ADDCF10100		10.0			1,38															
ADDCF10120		12.0			1,22															
ADDCF10127		12.7			1,18															
ADDCF20127	CF2	12.7	54	27	2,13	ADPCF02000	P CF2	55	30	5	6,60	ADPSCF2000	PS CF2	52.0	30	7	3,52	ADVTECF0200	TE CF2	1 x M8x35
ADDCF20135		13.5			2,33															
ADDCF20140		14.0			2,03															
ADDCF20150		15.0			1,93															
ADDCF20160		16.0			1,78															
ADDCF20172		17.2			1,64															
ADDCF20180		18.0			1,54															
ADDCF30190	CF3	19.0	67	37	3,36	ADPCF03000	P CF3	70	30	5	8,33	ADPSCF3000	PS CF3	64.0	30	7	4,41	ADVTECF0300	TE CF3	1 x M8x45
ADDCF30200		20.0			3,18															
ADDCF30213		21.3			2,97															
ADDCF30220		22.0			2,84															
ADDCF30230		23.0			2,72															
ADDCF30250		25.0			2,33															
ADDCF30254		25.4			2,31															
ADDCF40260	CF4	26.0	81	42	4,54	ADPCF04000	P CF4	85	30	5	10,08	ADPSCF4000	PS CF4	79.0	30	7	5,45	ADVTECF0400	TE CF4	1 x M8x50
ADDCF40269		26.9			4,33															
ADDCF40280		28.0			4,03															
ADDCF40300		30.0			3,58															
ADDCF50320	CF5	32.0	106	53	7,53	ADPCF05000	P CF5	110	30	5	12,85	ADPSCF5000	PS CF5	102.5	30	7	7,16	ADVTECF0500	TE CF5	1 x M8x60
ADDCF50337		33.7			7,13															
ADDCF50350		35.0			6,85															
ADDCF50380		38.0			6,03															
ADDCF50400		40.0			5,58															
ADDCF50420		42.4																		

MATERIEL CORPS COLLIER : POLYPROPYLENE - MATERIEL PIASTRE : ACIER ZINGUE - MATERIEL VIS : ACIER 8.8

CLAMP BODY MATERIAL : POLYPROPYLENE - PLATES MATERIAL : ZINC PLATED STEEL - SCREW MATERIAL : STEEL 8.8

RONDELLE BONDEE AUTOCENTRAGE
SELF-CENTERING BONDED SEALS

GAB



Code Code	Pour filetage For thread BSP	ØI	ØD	S	kg x100
GAB1100000	1/8"	10.37	15.88	2.03	0,10
GAB1300000	1/4"	13.74	20.57	2.03	0,20
GAB1700000	3/8"	17.28	23.80	2.03	0,20
GAB2100000	1/2"	21.54	28.58	2.49	0,30
GAB2700000	3/4"	27.05	34.93	2.34	0,60
GAB3300000	1"	33.89	42.80	3.25	0,70
GAB4200000	1"1/4	42.93	52.38	3.20	1,05
GAB4800000	1"1/2	48.44	58.60	3.20	1,10
GAB6000000	2"	60.58	73.03	3.25	2,00

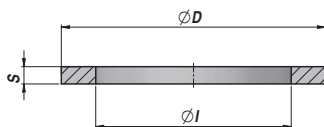
Code Code	Pour filetage For thread METRIQUE	ØI	ØD	S	kg x100
GAB0800000	M8	8.70	14.00	1.00	0,1
GAB1000000	M10	10.70	16.00	1.50	0,1
GAB1200000	M12	12.70	18.00	1.50	0,15
GAB1400000	M14	14.70	22.00	1.50	0,2
GAB1600000	M16	16.70	24.00	1.50	0,2
GAB1800000	M18	18.70	26.00	1.50	0,25
GAB2000000	M20	20.70	28.00	1.50	0,3
GAB2200000	M22	22.70	30.00	2.00	0,3

MATERIEL : ACIER+NBR

MATERIAL : STEEL+NBR

RONDELLE EN CUIVRE
COPPER WASHER

GAR



Code Code	Pour filetage For thread BSP	ØI	ØD	S	kg x100
GAR1000000	1/8"	10.00	16.00	1.50	0,14
GAR1300000	1/4"	13.50	19.00	1.50	0,18
GAR1700000	3/8"	17.00	23.00	1.50	0,19
GAR2100000	1/2"	21.50	27.00	1.50	0,24
GAR2300000	5/8"	23.00	30.00	1.50	0,28
GAR2700000	3/4"	27.00	33.00	1.50	0,32
GAR3300000	1"	33.50	40.00	1.50	0,56
GAR4200000	1"1/4	42.00	50.00	1.50	0,72
GAR4800000	1"1/2	48.00	55.00	1.50	0,70
GAR6000000	2"	60.00	68.00	1.50	1,00

Code Code	Pour filetage For thread METRIQUE	ØI	ØD	S	kg x100
GAR0600000	M6	6.00	12.00	1.50	0,10
GAR0800000	M8	8.00	12.00	1.50	0,10
GAR0900000	M8	8.00	14.00	1.50	0,10
GAR0700000	M10	10.00	14.00	1.50	0,10
GAR1200000	M12	12.00	18.00	1.50	0,16
GAR1400000	M14	14.00	20.00	1.50	0,18
GAR1600000	M16	16.00	22.00	1.50	0,22
GAR1800000	M18	18.00	24.00	1.50	0,25
GAR2000000	M20	20.00	26.00	1.50	0,26
GAR2200000	M22	22.00	28.00	1.50	0,30

MATERIEL : CUIVRE

MATERIAL : COPPER

CONDITIONS DE GARANTIE TERMS OF WARRANTY

Indépendamment des droits de garantie éventuellement accordés par le vendeur au client, la société CONTARINI garantit les produits qu'elle fabrique:

- A** Pour les pannes opérationnelles causées par des matières ou des exécutions défectueuses, qui auraient lieu pendant un usage normal et approprié, dans un délai de 12 mois à compter de la date d'achat à CONTARINI SRL.
CONTARINI SRL se réserve le droit de déterminer quel est l'usage normal et approprié.
- B** Pour les vices attribuables à un défaut de fabrication ou de matière bien identifié, CONTARINI SRL remplace ou répare gratuitement la pièce cassée. Les pièces remplacées seront de propriété du vendeur. Aucune garantie n'est prévue pour les joints usés à cause d'une contamination interne ou externe ou des conditions de travail normales. Les défauts dus aux phénomènes d'oxydation ne sont pas non plus couverts par la garantie.
- C** Il n'existe aucun droit à obtenir une fourniture de remplacement.
- D** Toute restitution en cours de garantie doit être autorisée par écrit par CONTARINI SRL. La marchandise devra être retournée franco de port en annexant la description détaillée des anomalies relevées et des conditions d'emploi.
- E** Si le produit fourni est placé dans des installations qui pourraient causer des endommagements à tiers, supérieurs à la valeur du produit même, l'acheteur s'engage à adopter les dispositifs de sécurité appropriés pour éviter tout dommage, conscient du fait que la production en série aux prix du marché comporte le risque, bien que limité, de la présence de pièces défectueuses.
- F** La garantie prévoit le remplacement des parties reconnues comme défectueuses au niveau de la fabrication ou des matières. La main d'œuvre nécessaire n'est reconnue que si la réparation sous garantie a lieu dans nos usines. Si un produit est réparé sous garantie, il bénéficiera d'une période de garantie correspondante à la période restante de la garantie d'origine.
- G** Aucun dédommagement pour l'arrêt de la machine sera.
- H** La marchandise réclamée doit être gardée à disposition du vendeur qui se réserve le droit d'effectuer les opportunes vérifications sur le lieu où la marchandise se trouve ou sur d'autres lieux qu'il indiquera.
- I** Aucune réclamation concernant la qualité de la marchandise pourra être présentée par voie judiciaire, même exceptionnellement si le paiement de la marchandise, à laquelle la réclamation se réfère n'a pas été régulièrement effectuée.
- L** Le Vendeur ne s'assume aucune responsabilité en cas d'emploi et de stockage impropres de la marchandise fournie.

LA GARANTIE DECHOIT:

- 1) si le montage a été effectué de manière impropre;
- 2) pour un emploi en conditions différentes de celles décrites dans les plans techniques ou dans les catalogues de CONTARINI;
- 3) si certaines pièces sont remplacées par des produits non originaux;
- 4) si les interventions, à n'importe quel titre, sont effectuées par des opérateurs sans autorisation signée par le Vendeur;
- 5) si les dispositions d'installation prescrites n'ont pas été adoptées;
- 6) si le produit est contaminé;
- 7) si le vice est attribuable à l'usure normale due aux conditions de travail;
- 8) si les clauses contractuelles ne sont pas respectées y compris les paiements.

PRECAUTIONS D'EMPLOI

Il est interdit à l'acheteur d'utiliser nos produits en conditions différentes de celles décrites dans les plans techniques ou dans les catalogues CONTARINI. Sur demande, un essai fonctionnel des vérins, conforme aux spécifications indiquées dans la présente documentation technique, peut être effectué. Étant donné qu'il n'est pas possible de reproduire intégralement les conditions effectives de travail de l'appareillage de l'acheteur, l'aptitude à l'usage est sous la responsabilité de l'acheteur.

Regardless of all warranty which may have been established between seller and customer, Contarini Leopoldo Srl products are guaranteed:

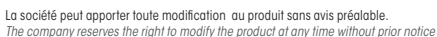
- A** For operational failures due to defects in material and workmanship during normal and correct use, within 12 months from date of purchase from Contarini Leopoldo Srl.
Contarini Leopoldo Srl reserves the right to determine normal and correct use.
- B** In case of ascertained defects in material and workmanship, Contarini Leopoldo Srl replaces or repairs the part for free.
Replaced parts are Contarini Leopoldo Srl property. Warranty is not extended to worn out seals owed to internal or external contamination or to normal use. Warranty does not apply to defects owed to oxidation.
- C** Substitutive supplies are not allowed.
- D** Material returning needs Contarini Leopoldo Srl written authorization. Material must be returned free of charge, with a detailed description of remarked problems and operating conditions.
- E** If the goods are to be mounted on plants or facilities which can cause damages to third parties for a value exceeding the value of the goods themselves, the buyer is responsible for the adoption of safety measures to prevent any damage. The buyer is informed that mass production involves the risk of defective pieces.
- F** The warranty extends to the replacement of parts whose defects in material or construction have been ascertained. Necessary labour will not be charged if the reparation is carried out in Contarini Leopoldo Srl premises; it will not be refunded if the reparation is carried out in the customer's premises. In the event that a product is repaired under warranty, that product shall carry the remainder of the original warranty period.
- G** Under any circumstances, refunds for periods when machines are stopped are not provided for by the warranty.
- H** Goods for which warranty is claimed must be kept at seller's disposal for inspection, where the goods are or where indicated by seller.
- I** Under no circumstances, no quality complaint can be called forth in court if the goods are not completely paid to seller.
- L** Seller will in no way be liable in case of wrong use or storing of the supplied goods.

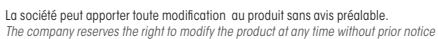
WARRANTY FALLS OFF:

- 1) if mounting is improper;
- 2) if operating conditions differ from what indicated in technical drawings or Contarini Leopoldo Srl catalogues;
- 3) if parts are replaced with not original products;
- 4) if interventions are carried out by anyone other than authorized by seller's representatives;
- 5) if installation is not carried out according to prescribed procedures;
- 6) if the goods have been contaminated;
- 7) if fault is caused by normal operating conditions;
- 8) if terms of supply are not respected, including payments.

PRECAUTIONS

The use of Contarini Leopoldo Srl products is forbidden in any circumstance which is not indicated in the seller's technical drawings or catalogues.
On demand, functional tests on the cylinders can be carried out, according to the specifications indicated in the technical documentation.
Considering that it is not possible to reproduce integrally the buyer's plant working conditions, complete fitness to use is the buyer's liability.





UNIDRO CONTARINI
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