

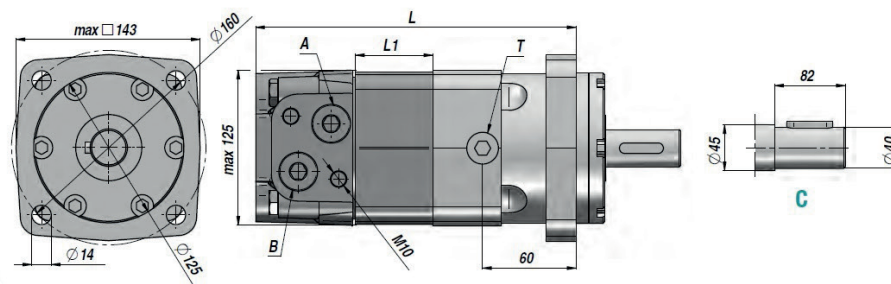
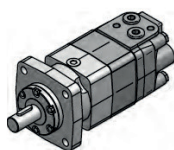
MCT

MOTEUR "Z-G HYDRAULIC"
"Z-G HYDRAULIC" MOTOR

ARBRE CYLINDRIQUE Ø40
PARALLEL SHAFT Ø40

BRIDE CARREE - 4 TROUS
SQUARE FLANGE - 4 HOLES

Standard: ALIMENTATIONS LATÉRALES - SIDE PORTS

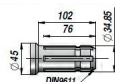
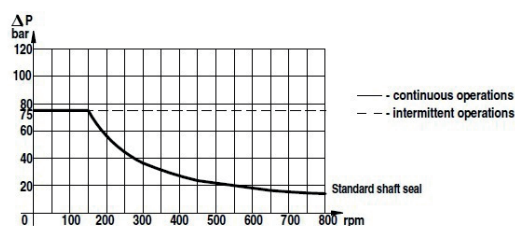
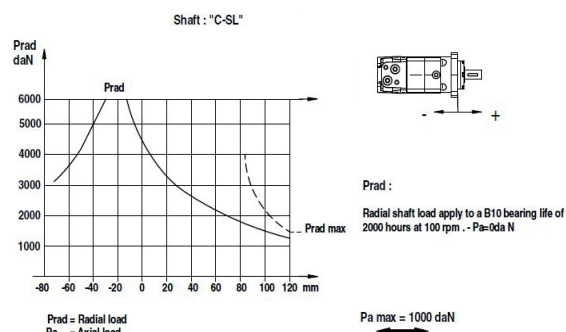

PREDISPOSITION POUR DRAINAGE
MACHINED FOR DRAIN CONNECTION

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>													
MCT160C00T	MC-T 160 C	158.8	625	45	100	200	210	140 *	3/4"	1/4"	217.5	12	20.3
MCT200C00T	MC-T 200 C	200.8	495	56.1	100	200	210	140 *			222	16,5	20,8
MCT250C00T	MC-T 250 C	252.2	395	71	100	200	210	140 *			227.5	22	21,4
MCT320C00T	MC-T 320 C	317.5	310	90.2	100	200	210	140 *			234.5	29	22,4
MCT400C00T	MC-T 400 C	401.6	245	100.8	100	180	210	140 *			243.5	38	23
MCT500C00T	MC-T 500 C	535.3	185	112.1	100	160	210	140 *			262	56,5	24

* = 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


■ BM4

TECHNICAL DATA

TYPE		BM4-160 BM4S-160 BM4W-160	BM4-200 BM4S-200 BM4W-200	BM4-250 BM4S-250 BM4W-250	BM4-320 BM4S-320 BM4W-320	BM4-400 BM4S-400 BM4W-400	BM4-500 BM4S-500 BM4W-500
Displacement(ml/r)		158.8	200.8	252.2	317.5	401.6	535.3
Max.Pressure.Drop (Mpa)	cont.	20	20	20	20	18	16
	int.	24	24	24	24	21	18
	peak.	28	28	28	28	24	21
Max.torque (N.m)	cont.	450	561	710	902	1008	1121
	int.	559	714	883	1143	1255	1377
	peak.	663	818	1021	1322	1431	1598
Max.Speed(cont.)(r/min)		625	495	395	310	245	185
Max.Flow(cont.)(L/min)		100	100	100	100	100	100
Max.Output.Power(cont.)(Kw)		20.1	25.2	25.2	25.2	22	21
Weight (kg)		20.3	20.8	21.4	22.4	23	24

■ BM4Y

TECHNICAL DATE

TYPE		BM4Y-160	BM4Y-200	BM4Y-250	BM4Y-320	BM4Y-400	BM4Y-500
Displacement(ml/r)		158.8	200.8	252.2	317.5	401.6	535.3
Max.Pressure.Drop (Mpa)	cont.	24	24	24	23	21	18
	int.	27	27	27	26	23	20
	peak.	30	30	30	29	25	23
Max.torque (N.m)	cont.	559	714	883	1095	1255	1377
	int.	639	789	985	1227	1371	1521
	peak.	710	876	1093	1369	1490	1750
Max.Speed (cont.)(r/min)		625	495	395	310	245	185
Max.Flow(L/min)		100	100	100	100	100	100
Max.Output.Power(cont.)(Kw)		24.1	30	30	28.8	25.3	24.1
Weight (kg)		20.3	20.8	21.4	22.4	23	24

Intermittent operation the permissible values may occur for max.10% of every minute,
Peak load:the permissible values may occur for max.1% of every minute.

■ BM4

PERFORMANCE DATA

BM4 160[158.8cm³/rev]

Pressure (Mpa)

Max.cont. Max.int.

		4	8	10	12	16	20	24
Flow(L/min)	10	85 61	169 60	219 59	264 57	347 55	429 51	514 45
	20	86 123	174 122	225 119	266 116	357 111	441 105	535 97
	40	87 254	173 251	226 248	266 241	366 235	452 228	550 216
	60	79 378	171 374	226 369	266 363	366 356	450 347	549 337
	80	75 502	166 499	220 495	265 488	364 480	447 472	544 457
Max.cont.	100	67 626	154 623	209 618	258 610	355 602	437 594	536 581
Max.int.	125	56 785	142 779	211 773	251 765	345 756	430 746	530 729

BM4 200[200.8cm³/rev]

Pressure (Mpa)

Max.cont. Max.int.

		4	8	10	12	16	20	24
Flow(L/min)	10	119 48	221 47	275 46	323 43	431 40	532 38	636 34
	20	120 97	227 96	283 94	330 92	445 89	547 86	661 77
	40	115 199	229 197	281 195	334 191	451 187	560 182	680 171
	60	111 306	225 301	280 298	334 296	454 288	560 282	682 269
	80	103 403	220 401	275 397	333 392	450 385	557 378	680 367
Max.cont.	100	94 503	216 500	272 496	327 492	447 485	551 477	676 470
Max.int.	125	80 627	198 623	262 619	316 614	436 607	538 600	662 584
	150	67 758	184 754	247 749	308 741	425 731	526 720	648 696

BM4 250[252.2cm³/rev]

Pressure (Mpa)

Max.cont. Max.int.

		4	8	10	12	16	20	24
Flow(L/min)	10	134 39	277 39	344 38	406 37	542 35	689 33	800 32
	20	139 78	287 77	353 76	419 74	563 72	708 69	828 64
	40	135 159	292 157	361 155	427 152	575 149	723 145	858 137
	60	128 242	285 241	361 238	428 234	574 228	705 223	861 211
	80	125 323	275 322	353 320	420 314	569 309	699 305	860 290
Max.cont.	100	123 404	274 402	344 399	414 395	565 389	695 380	853 366
Max.int.	125	113 505	252 502	330 498	402 492	551 485	682 478	838 463
	150	85 603	235 600	310 596	385 591	535 583	666 576	822 558

BM4 320[317.5cm³/rev]

Pressure (Mpa)

Max.cont. Max.int.

		4	8	10	12	16	20	24
Flow(L/min)	10	175 31	345 30	430 29	518 28	697 27	847 26	1011 24
	20	180 62	361 61	449 60	534 58	719 56	871 54	1054 52
	40	182 126	362 125	460 123	542 120	735 117	906 114	1092 109
	60	180 189	361 187	473 185	544 181	733 178	914 176	1096 166
	80	170 251	354 249	459 248	540 243	730 238	906 234	1095 224
Max.cont.	100	161 314	342 313	447 310	537 307	720 303	895 297	1086 284
Max.int.	125	140 391	321 389	427 386	519 382	708 378	874 373	1071 360
	150	113 471	303 469	412 466	501 462	677 457	849 444	1042 438

BM4 400[401.6cm³/rev]

Pressure (Mpa)

Max.cont. Max.int.

		3	6	9	12	15	18	21
Flow(L/min)	10	165 25	343 24	524 23	669 22	827 21	982 20	1130 19
	20	167 51	346 50	528 49	679 46	841 44	1001 42	1156 40
	40	165 99	346 98	530 96	685 93	859 90	1020 86	1181 82
	60	163 149	338 147	526 143	682 139	860 135	1024 131	1187 125
	80	155 199	330 197	517 194	672 190	853 186	1014 182	1181 176
Max.cont.	100	140 249	317 247	503 245	662 241	838 235	998 231	1171 225
Max.int.	125	126 311	289 309	490 307	643 303	816 298	977 294	1142 287
	150	118 375	273 373	475 369	623 365	797 361	954 357	1119 350

BM4 500[535.3cm³/rev]

Pressure (Mpa)

Max.cont. Max.int.

		3	6	9	12	14	16	18
Flow(L/min)	10	204 18	415 18	637 18	821 17	966 16	1098 15	1233 13
	20	213 37	427 36	656 35	845 34	984 33	1122 32	1267 30
	40	212 75	429 74	669 73	866 72	1007 70	1145 68	1308 64
	60	207 113	421 112	657 111	866 109	1001 107	1146 105	1296 101
	80	196 151	397 150	640 149	853 147	990 145	1145 143	1289 138
Max.cont.	100	179 189	387 188	626 187	829 185	978 183	1126 181	1272 177
Max.int.	125	168 237	366 236	590 235	807 233	942 231	1103 229	1244 225
	150	135 284	339 283	569 282	785 280	924 278	1074 276	1219 272

(Torque) : 797Nm
(Speed) : 361r/min

Cont.
Int.

Installation

[illegible]

Technical drawing of the 1000 Series Motor Mounting Dimensions. The drawing includes a side view, a top view, and a detail view of the mounting flange.

Side View Dimensions:

- Mounting surface hole: $\Phi 90 \text{ h}8 -0.054$
- Mounting surface offset: 12, 22
- Flange thickness: 80
- Max. L (Maximum Length)

Top View Dimensions:

- Outer square dimension: 140×140
- Inner square dimension: 126×126
- Mounting holes: 4- $\Phi 14$

Detail View Dimensions (Flange):

- Flange diameter: $\Phi 160 \pm 0.2$
- Mounting holes: 4- $\Phi 14$
- Internal dimensions: 12.5, 12.5, 12.5, 12.5, 21.6, 21.6, 21.6, 21.6, 20, 20, 23
- Internal feature: P(A,B)
- Internal feature: 4-C

[illegible]

A7 Square flange A7



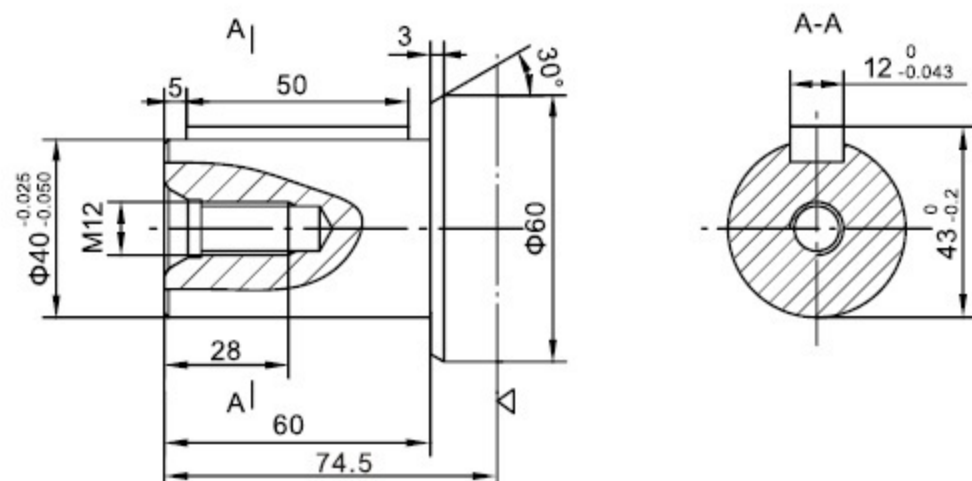
Ports Code	P(A、B)(deep)	C (deep)	T (deep)
Y	G3/4 (15)	M10 (12)	G1/4(12)
Y3	M27 × 2(15)	M10 (12)	M14 × 1.5(12)
Y4	M22 × 1.5(15)	M10 (12)	M14 × 1.5(12)
Y8	7/8–14UNF(15)	—	7/16–20UNF(12)
Y10	1 1/16–12UN(15)	—	9/16–18UNF(12)

P(A、B)--Ports, C--Mounting Thread (—Indicates no this thread) , T--Drain connettion

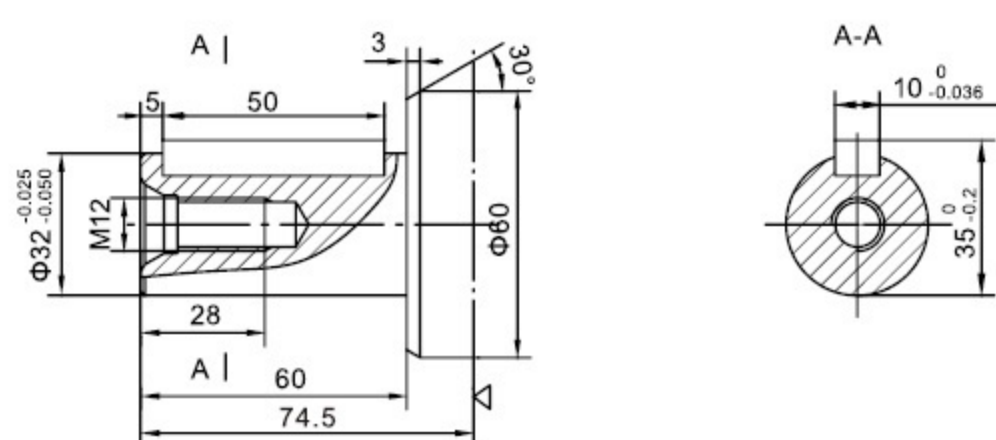
■ BM4 SHAFT VERSION

Only match A,A1,A7 flange

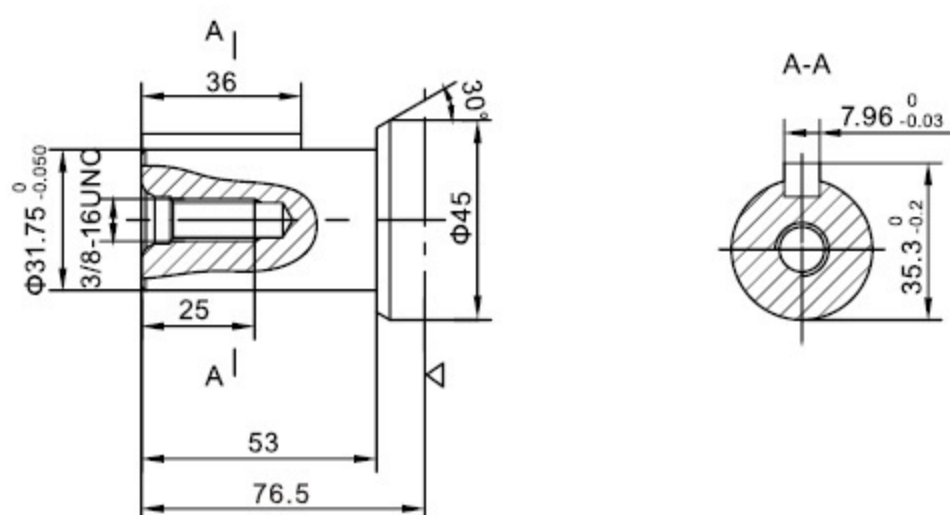
P: $\Phi 40$ Cylindrical shaft, parallel key $12 \times 8 \times 50$



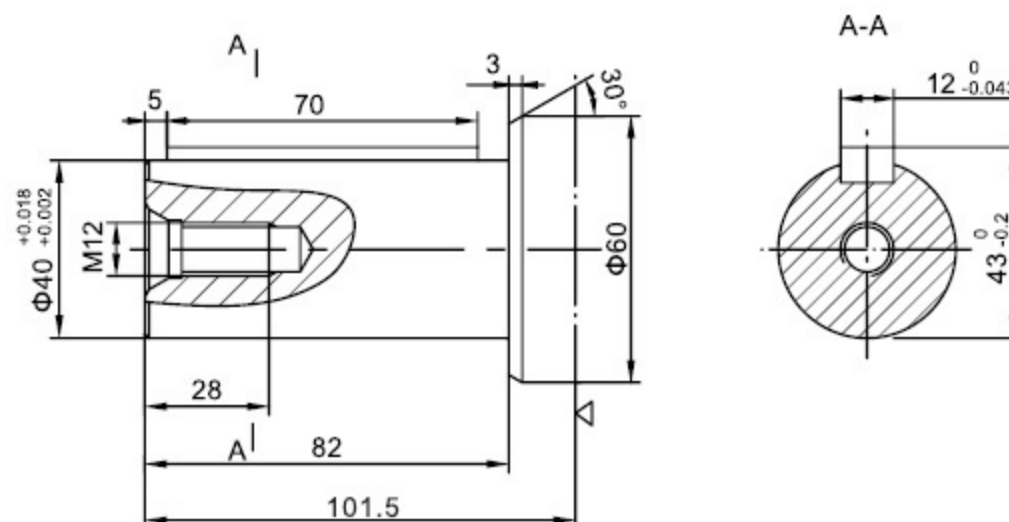
P1: $\Phi 32$ Cylindrical shaft, parallel key $10 \times 8 \times 50$



P13: $\Phi 31.75$ Cylindrical shaft, parallel key $7.96 \times 7.96 \times 36$



P33: $\Phi 40$ Cylindrical shaft, parallel key $12 \times 8 \times 70$



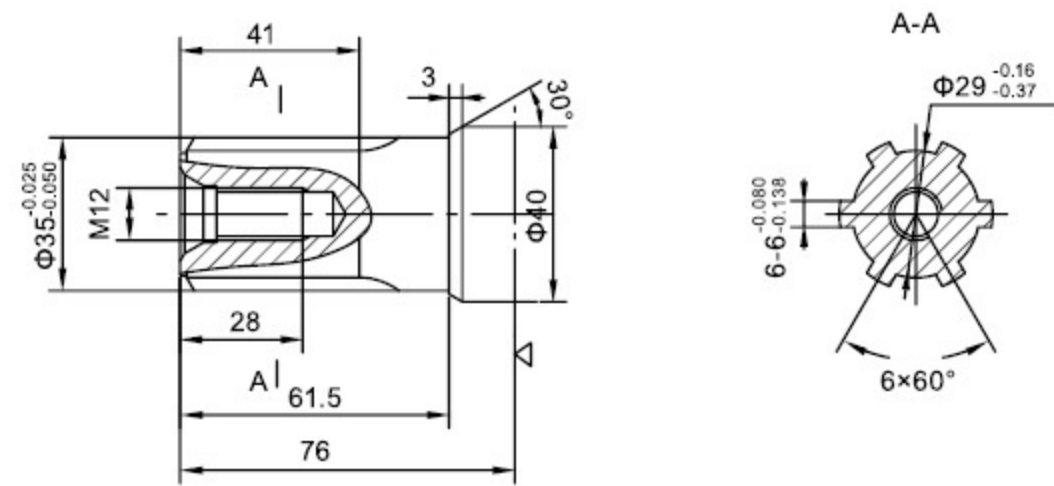
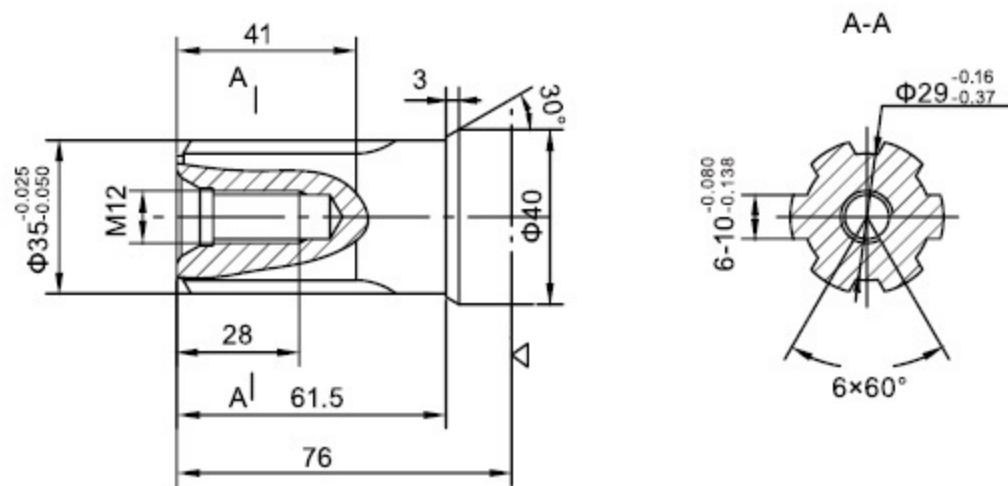
△ : Motor mounting surface

■ BM4 SHAFT VERSION

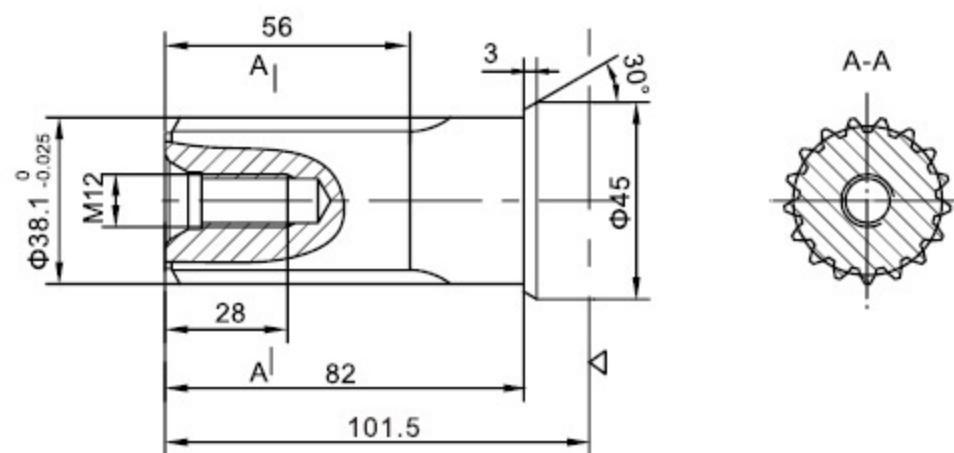
Only match A,A1,A7 flange

H4: $\Phi 35$ Splined shaft, 6-35 $\times$ 29 $\times$ 10

H5: $\Phi 35$ Splined shaft, 6-35 $\times$ 29 $\times$ 6

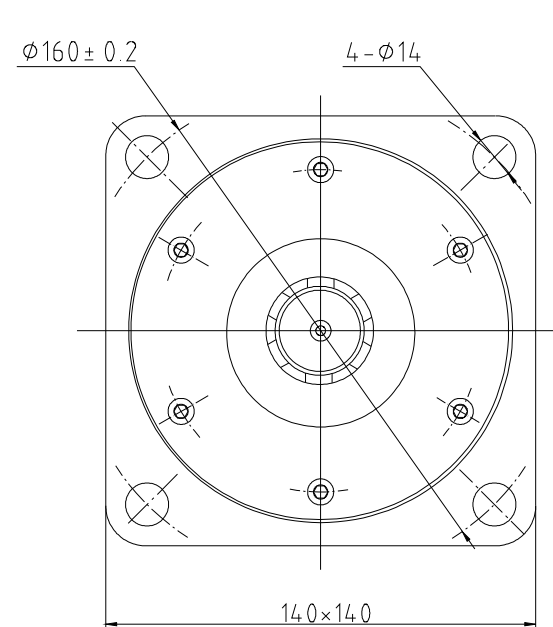


K3: $\Phi 38.1$ involute splined shaft 17-DP12/24 $\alpha=30^\circ$

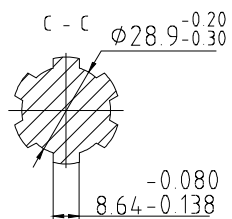


Note: Flange with A4 type, hydraulic motor shaft from the mounting surface to increase 12mm.

◁ : Motor mounting surface



	BM4-160	BM4-200	BM4-250	BM4-320	BM4-400	BM4-500
L	210	215	220	227	236	255
L1	150	155	160	167	176	195
B	12	16.5	22	29	38	56.5



							BM4U-xH9A4Y/T7
						1:1.7	