■BM1型号意义 ORDERING CODE

BM1	1	2	3	4	5	6	7	8

pos 1		2		3		4		5		6		7		8	
Figuration		Displacement (ml/r)		Flange&Pilot (mm)		Shaft&key (mm)		Oil port		Link thread on port surface		Drain port		Special	
H	parallel port	A	50	A	rhombus flange, 2-Ø13.5 bolt center space 106.4, pilot Ø82.5X5	A	cylinder shaft; Ø25.4X39 woodruff key: Φ25.4X6.35 link thread :1/4-20UNC	A	2-G1/2	A	None	A	None	A	standard
L	Line port	B	63	B	square flange 83X83, 4-3/8-16UNC bolt distributing circle Ø82.55 , pilot Ø44.4X2.8	B	cylinder shaft; Ø25.4X40 parallel key: 6.35X6.35X32, link thread : M8	B	2-M22X1.5	B	4-M8	B	M14X1.5	B	add 2 radial bearing
S	S-port	C	80	C	6 bolt rhombus flange, 6-Ø13.5 bolt distributing circle Ø106.4, pilot Ø82.5X5	C	rectangle spline shaft: Ø25.3X39, 6-25.3X21.5X6.25, link thread :1/4-20UNC	C	2-7/8-14UNF SAE	C	4-5/16-UNC	C	G1/4	C	
		D	100	D	4 bolt rhombus flange, 4-Ø13.5 bolt distributing circle Ø106.4, pilot Ø82.5X5	D	involute spline shaft: Φ22X33, 13teeth , DP16/32	D	2-1/2-14NPTF	D		D	7/16-20UNF	D	
		E	125	E	rectangle flange 130X90 , 4-Ø11 bolt distributing 105X65 , pilot Ø80X5	E	cylinder shaft; Ø25.4X40 parallel key: 6.35X6.35X32 , link thread :1/4-20UNC	E	2-PT 1/2	E		E	M10X1	E	

■ BM1技术参数 TECHNICAL DATA

Displacement (ml/r)		50	63	80	100	125	160	200	250	315	400
Flow (LPM)	Cont.	45	45	60	60	60	60	60	60	60	60
	Int..	50	50	75	75	75	75	75	75	75	75
Speed (RPM)	Cont.	879	720	740	589	475	370	296	237	189	149
	Int..	975	755	827	673	594	463	370	297	236	185
Pressure (MPa)	Cont.	12.5	12.5	12.5	12.5	12.5	12.5	11	11	11	10
	Int..	16.5	16.5	16.5	16.5	16.5	16.5	16.5	14	12.5	10.5
Torque (N*m)	Cont.	81	101	129	161	202	245	286	360	406	435
	Int..	108	134	171	213	268	342	390	456	505	533

□ cont.
■ Int.

Bm1-50　　50ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	12.5	16.5
8	18 150	36 147	42 144	50 140	60 137	72 127	79 122	102 90
15	19 290	37 285	43 283	48 276	61 275	73 265	83 256	105 230
20	17 388	37 385	42 381	50 375	62 372	72 365	80 352	107 332
30	15 584	36 578	42 570	50 566	63 560	70 555	81 546	108 516
35	15 680	35 675	42 670	50 662	63 654	68 646	80 640	106 610
45	14 878	34 868	40 863	48 856	62 849	70 840	80 830	107 798
50	13 970	35 960	40 955	48 950	63 942	69 935	79 925	

Bm1-63　　63ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	12.5	16.5
8	22 125	46 124	54 123	62 121	76 118	91 116	98 113	126 72
15	22 233	46 231	54 229	60 227	76 224	91 222	104 219	132 185
20	20 310	46 309	54 307	63 305	78 301	90 298	100 294	134 263
30	20 465	45 463	53 462	63 460	79 457	88 455	102 451	135 409
35	19 543	44 540	53 539	63 537	79 533	84 531	100 528	133 484
45	18 705	42 702	50 700	60 698	78 695	88 693	100 689	134 633
50	16 781	44 778	50 776	60 774	79 770	82 768	97 764	

Torque 82Nm
Speed 768 rpm

Bm1-80　　80ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	12.5	16.5
8	28 97	60 93	70 92	80 89	100 84	110 80	128 75	168 50
15	28 184	61 181	70 178	80 174	100 169	114 166	128 160	170 140
20	27 246	60 243	70 240	80 238	100 234	112 230	129 223	170 205
30	26 370	60 366	69 363	79 360	100 354	110 350	128 345	170 323
35	25 432	58 426	67 424	77 420	100 415	110 411	126 405	170 385
45	23 554	53 550	65 546	77 541	95 536	108 530	124 524	168 503
50	20 616	55 608	65 606	75 603	95 599	105 593	123 585	168 560
60	19 741	53 732	62 727	75 722	95 717	108 712	122 707	168 675
75	16 825	47 820	60 815	70 810	90 808	104 804	121 795	

Bm1-100　　100ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	12.5	16.5
8	35 78	74 75	88 73	100 70	126 64	140 68	160 56	210 35
15	35 150	74 145	85 144	100 141	126 137	140 133	160 129	212 110
20	34 197	74 195	88 193	100 190	125 189	145 183	161 178	212 160
30	33 295	71 294	85 293	95 290	123 288	138 283	158 279	212 259
35	29 347	70 345	81 344	95 342	120 337	135 335	155 330	212 310
45	30 445	66 443	80 442	93 439	120 435	133 432	155 426	208 405
50	25 498	66 495	79 493	93 491	118 485	134 480	152 476	207 456
60	22 599	65 594	75 589	93 587	116 584	132 577	152 573	207 548
75	20 674	58 666	75 663	88 660	113 655	129 653	150 648	

BM1技术参数 TECHNICAL DATA

Bm1-125　125ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	12.5	16.5
8	44 60	94 59	112 58	128 56	158 53	180 50	200 45	263 25
15	44 118	95 116	111 115	127 114	160 110	178 108	205 105	265 85
20	42 159	95 157	108 156	128 153	158 150	175 145	202 142	268 129
30	40 236	92 235	108 233	125 230	156 225	178 220	198 218	265 206
35	38 226	87 273	107 273	122 272	154 268	174 265	195 262	268 247
45	37 355	85 352	102 351	120 349	152 345	173 341	194 339	265 322
50	33 395	85 392	98 390	120 388	149 385	170 384	192 380	260 365
60	32 476	83 470	98 468	117 465	148 461	165 459	191 454	259 436
75	25 594	75 588	95 585	110 582	142 577	160 570	185 565	

Bm1-160　160ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	14	16.5
8	56 47	120 46	143 45	160 44	200 42	226 40	245 38	334 24
15	56 93	120 93	135 92	160 90	202 88	226 86	245 83	341 75
20	55 120	120 118	143 117	160 116	203 115	226 114	245 114	343 104
30	54 185	118 184	140 183	160 181	200 178	225 176	242 175	340 163
35	53 214	115 213	138 212	157 211	199 208	220 207	242 205	337 196
45	52 277	112 275	135 274	156 273	198 270	220 268	238 265	335 256
50	45 308	110 307	132 305	153 303	195 300	215 298	233 296	330 288
60	44 368	106 366	130 365	150 364	192 362	214 360	230 357	329 347
75	32 462	95 458	120 457	142 456	183 453	205 451	221 448	

Bm1-200　200ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	15
8	75 38	155 37	178 36	204 35	255 33	283 29	385 12
15	72 74	152 72	180 71	206 70	259 68	265 66	390 57
20	71 99	151 98	178 97	205 95	255 94	285 91	390 81
30	70 148	149 147	175 146	200 145	254 142	285 138	388 126
35	68 173	146 172	172 171	200 168	250 165	280 163	383 154
45	63 220	142 219	170 218	195 216	248 213	278 211	382 200
50	58 245	138 243	166 242	195 241	242 238	273 236	378 225
60	56 295	135 294	165 293	190 292	240 289	270 286	375 276
75	42 370	122 365	150 364	178 362	226 359		

Bm1-250　250ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	10	11	14
8	94 30	195 29	225 28	259 27	326 25	357 24	
15	90 60	193 59	225 58	260 57	326 55	360 53	455 48
20	89 78	191 78	225 77	258 76	320 74	355 73	455 65
30	84 118	188 117	220 117	250 116	320 114	354 112	452 103
35	82 135	184 134	218 132	252 131	316 127	350 125	448 120
45	79 179	179 178	215 177	246 176	310 174	345 172	442 163
50	74 199	174 196	210 195	243 194	306 192	338 191	438 184
60	70 236	171 235	206 235	239 234	300 230	336 228	432 222
75	55 297	155 295	190 295	221 294	280 292	312 291	

Bm1-315　315ml/r

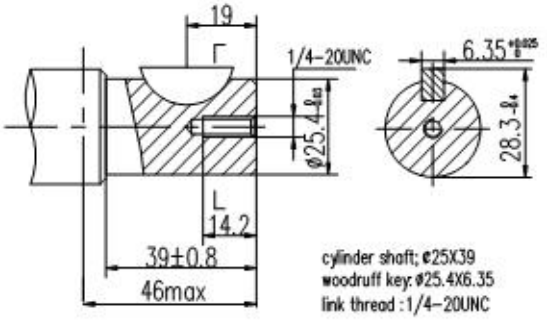
Flow (LPM) \ △P (Mpa)	3	6	7	8	10	12.5
8	115 25	244 24	282 22	312 17	388 13	
15	116 46	243 46	284 45	324 43	406 40	503 20
20	114 62	242 62	282 61	325 57	405 56	505 44
30	109 93	238 93	276 92	320 90	400 88	500 76
35	105 109	232 108	273 107	314 105	398 103	498 93
45	100 140	225 140	268 138	310 136	390 135	490 125
50	92 156	218 155	262 154	306 153	384 150	486 140
60	89 188	215 187	258 186	300 184	378 180	478 170
75	69 236	195 235	236 233	278 232	355 228	

Bm1-400　400ml/r

Flow (LPM) \ △P (Mpa)	3	6	7	8	8.5	12.5
8	147 19	305 18	355 17			
15	147 38	308 37	359 35	406 33	435 32	531 26
20	144 49	305 49	358 47	408 45	435 43	510 37
30	137 73	300 73	352 72	400 70	433 68	528 63
35	135 85	294 85	345 84	395 82	425 81	525 73
45	130 110	286 110	339 108	390 106	420 105	515 100
50	117 124	278 124	330 122	382 120	410 119	503 113
60	112 148	274 148	326 147	378 146	402 145	500 138
75	88 185	246 185	298 184	350 182	376 180	

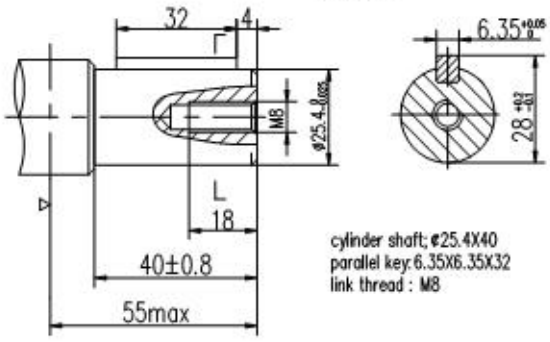
■ BM1外形连接尺寸--输出轴 SHAFT VERSION

shaft A



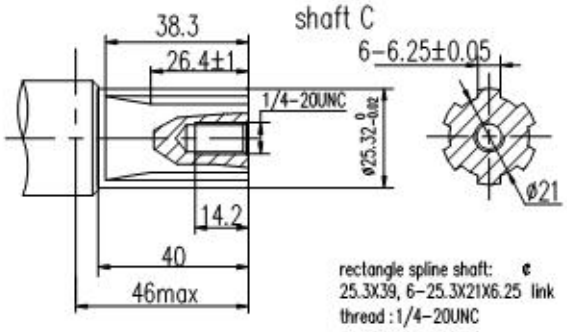
cylinder shaft; ¢25X39
woodruff key: ø25.4X6.35
link thread : 1/4-20UNC

shaft B



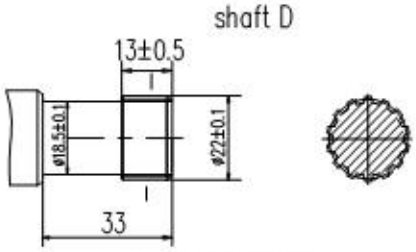
cylinder shaft; ¢25.4X40
parallel key: 6.35X6.35X32
link thread : M8

shaft C



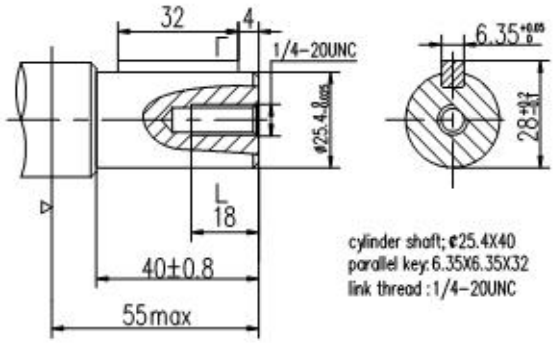
rectangle spline shaft: ¢ 25.3X39, 6-25.3X21X6.25 link thread : 1/4-20UNC

shaft D



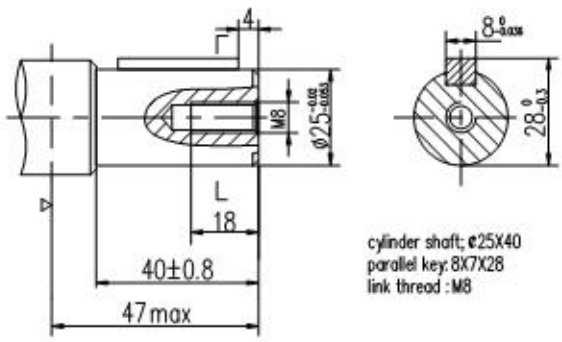
involute spline shaft: ø22X33, 13 teeth ,DP12/24

shaft E



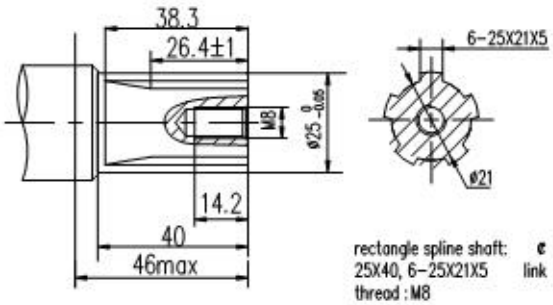
cylinder shaft; ¢25.4X40
parallel key: 6.35X6.35X32
link thread : 1/4-20UNC

shaft F



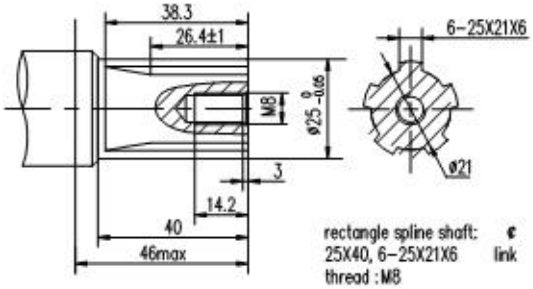
cylinder shaft; ¢25X40
parallel key: 8X7X28
link thread : M8

shaft G



rectangle spline shaft: ¢ 25X40, 6-25X21X5 link thread : M8

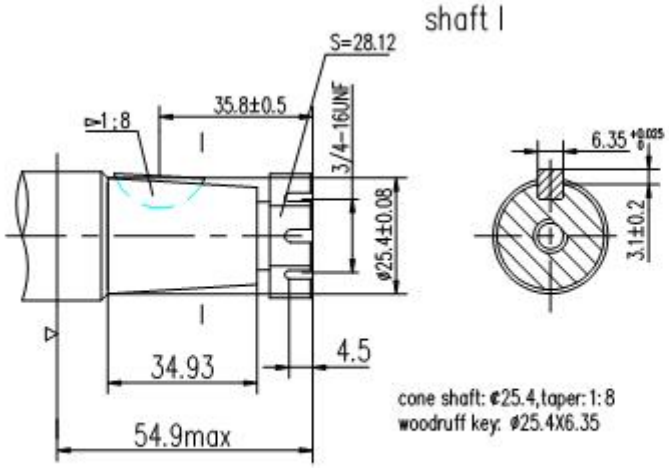
shaft H



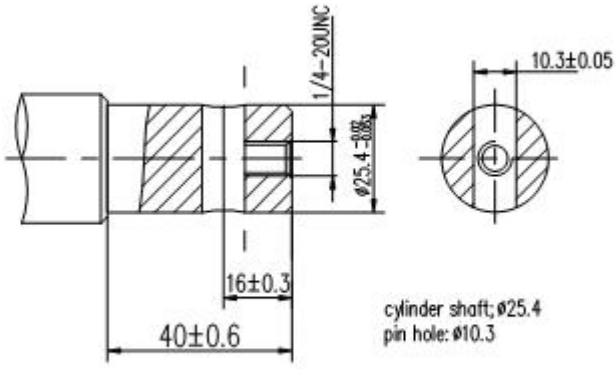
rectangle spline shaft: ¢ 25X40, 6-25X21X6 link thread : M8

■ BM1外形连接尺寸--输出轴 SHAFT VERSION

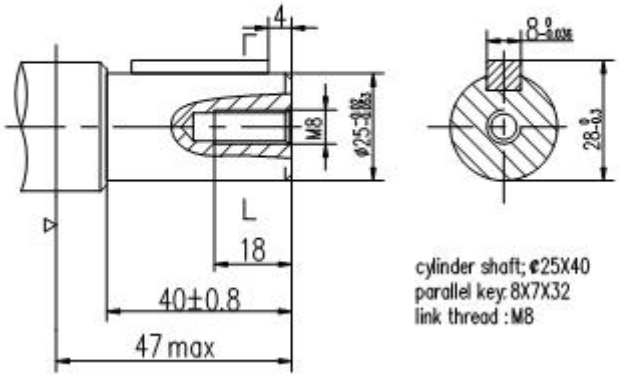
shaft I



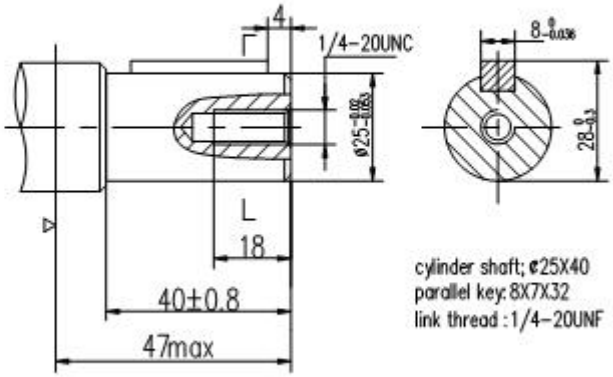
shaft J



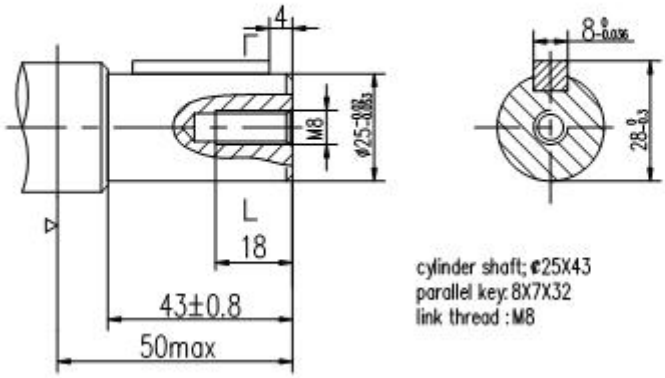
shaft K



shaft L



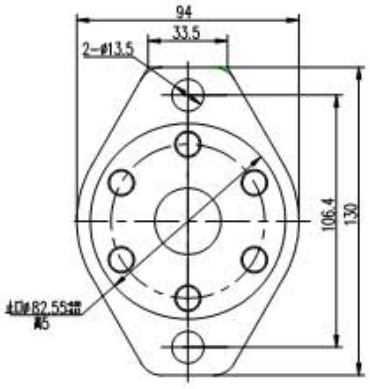
shaft M



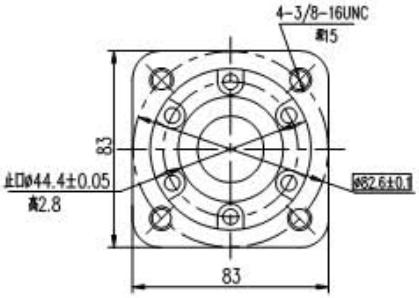
■ BM1外形安装图 Installation

BM1 **Mounting Flange**

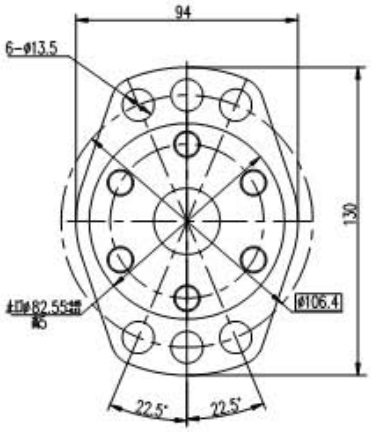
A法兰
Flange A



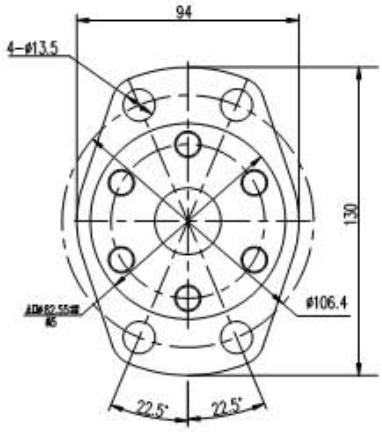
B法兰
FlangeB



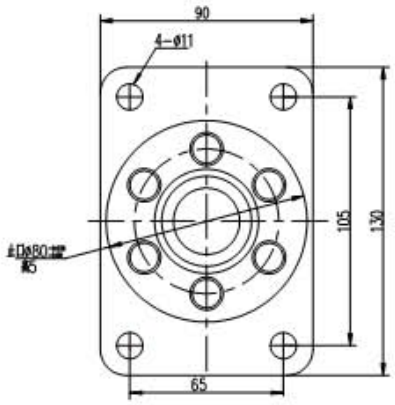
C法兰
Flange C



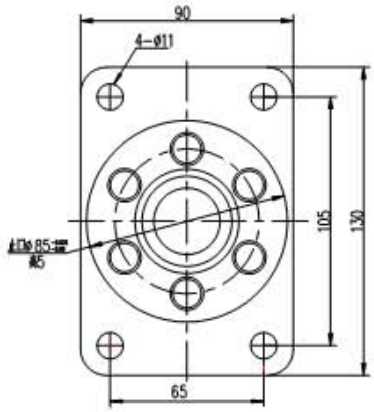
D法兰
Flange D



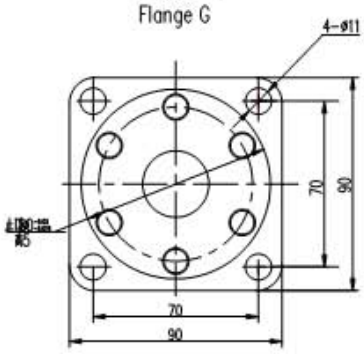
E法兰
Flange E



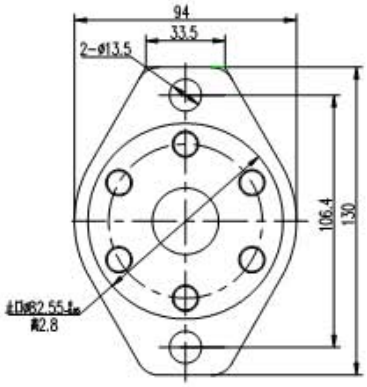
F法兰
Flange F



G法兰
Flange G



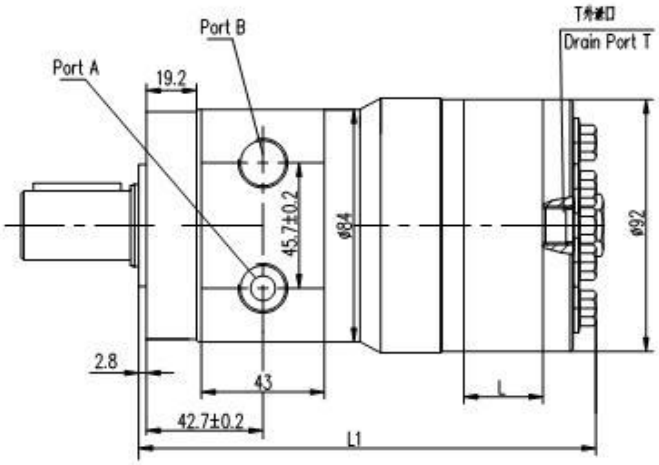
H法兰
2 Bolt Flange H

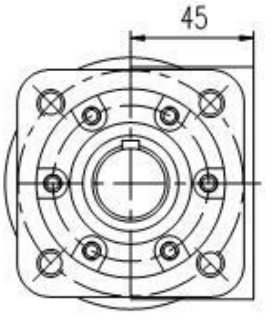


■ BM1外形安装图 Installation

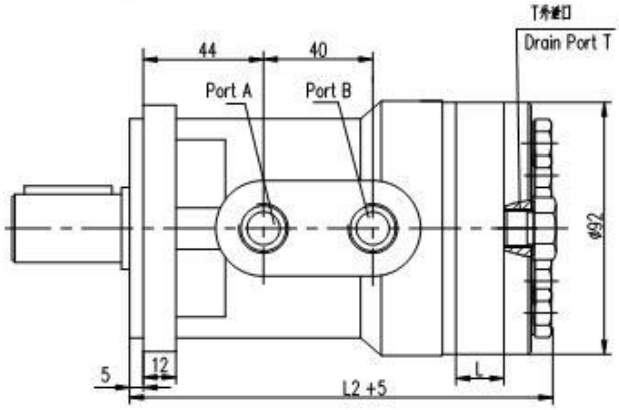
BM1 Mounting Flange

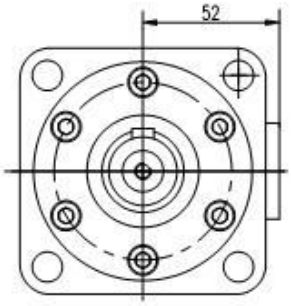
H type



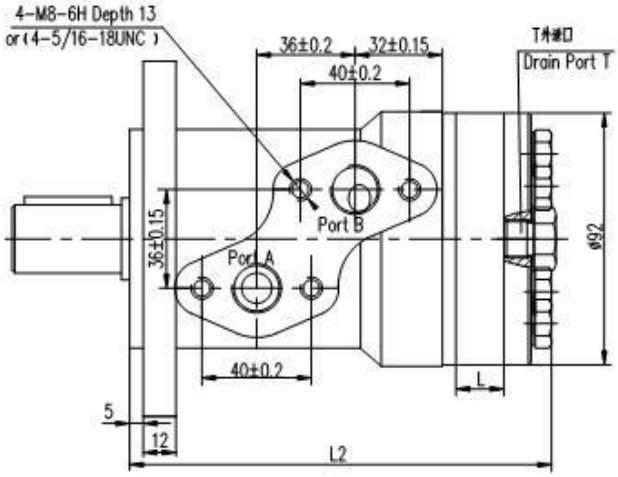


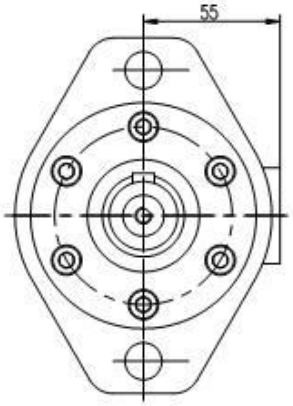
L type



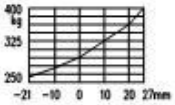


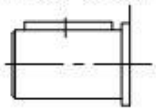
S type





Shaft Load Capacity:
Radial Load: 400Kg Max.
Axis Load : 200Kg Max.





Displacement	50	63	80	100	125	160	200	250	315	400
L	9	11.5	14.5	17.8	23	29	37	46	57	72
L1	143	146	147.5	151	156	162	170	179.5	190.5	205
L2	148	151	152.5	156	161	167	175	184.5	184.5	210

马达标准旋向：

面对输出轴轴端，A油口进油，马达顺时针旋转。

Standard Direction of The Motor Rotation:

CW----When A Port pressurized, Viewed From the Shaft End.

Introduction

SHANGHAI XIAOLI HYDRAULICS CO.,LTD is the qualified company who is a professional R & D and desgn for various hydraulc system units and related equipments. We mainly manufacture hydraulic pumps for various machinery equipments and auxiliary devices for motors , also including hydraulic control valve series for transmission systems. In addition to Standard types, we also can design and make products according to customers' requirements. Our corporation has established branches in Jiangsu Province, Shandong Province, Hebei Province, Anhui Province and Heilongjiang provinces, based on this sales network, our products are widely sold in domestic and exported to overseas markets.

We have various hydraulic pumps & gear motors ranging from 0.01 MPa to 63 MPa for different pressure requirements, we also can produce double or triple pumps according to customers' requirement, and supply pump matching with motor. We have hydraulic control valves with three categories of pressure, direction and flow with high-to-low pressure, which are widely used in different machineries , machine tools and engineering equipments . Besides XiaoLi its own brand's products, we have kept spread strategic relationships with various professional manufacturers from domestic and abroad , taking as the role of distributor , to meet your different requirements .

XiaoLi its own advantages compared with rivals

***Quality Control and large business scale with competitive prices & discounts, to help customers reduce costs while making improvement on facilities.

***Supplying from stock, sales and distribution integrated, let our customers enjoy one-stop service

***Optimizing sourcing and supplying in order to meet different customers' requirements in different fields, we can provide out products with best prices

Shanghai XiaoLi Hydraulics Co.,Ltd

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