

Disc Valve Motors

SMT Series

Features

Compact in design with disc valving and Geroler

High pressure capacity shaft seal

Design and manufacture of the spline and drives give the motor durability

Wide variety of mounting flanges, shafts, ports and speed provides design flexibility

Direction of shaft rotation and speed can be controlled easily and smoothly

Best combination of high efficiency and economy in medium duty applications

Specification Data

Displacement	cc/r	195	245	310	390	490	625	800	985
Flow	continuous	150	150	150	150	150	150	150	150
	LPM	intermittent	170	210	225	225	225	225	225
Speed	continuous	775	615	698	387	241	307	184	153
	RPM	intermittent	866	834	485	570	355	454	278
Pressure	continuous	170	170	170	170	120	170	120	120
	Bar	intermittent	275	275	275	275	140	240	140
Torque	continuous	475	615	775	965	1125	1215	1380	1570
	Nm	intermittent	770	980	1225	1455	1330	1685	1650

Max. pressure is the allowed pressure at the inlet port. Rated pressure is the working pressure difference between inlet and outlet port.

A simultaneous maximum RPM and maximum pressure NOT recommended

Maximum pressure or maximum RPM operation: 10% of every minute

Recommended fluids: Anti-wear type of hydraulic oil. Viscosity recommended 37–73 cSt. Recommended filtration ISO18/13. Maximum operating temperature recommended 80°C

Special high pressure capacity shaft seal ensures back pressure up to 10 Mpa. Recommended preferable back pressure 5 Mpa. Case drain line is recommended when back pressure higher than 5 Mpa. When case drain line is used, make sure the motor is always filled with oil. The motor life is benefited from a case drain line.

It is highly recommended that the motor runs at 30% of rated pressure for at least one hour before application of full load. Be sure the motor is filled with fluid prior to any load applications.

Disc Valve Motors

Performance Data SMT Series

Continuous

Intermittent

195cc/r

		Δ Pressure Bar							
		35	70	105	140	170	205	240	275
1.9		75	165	260					
		7	5	2					
7.5		75	170	265	350	440	470		
		37	35	34	30	26	18		
15		80	175	270	365	455	520	590	655
		76	74	72	66	62	46	32	18
30		85	180	275	370	465	545	625	705
		153	148	144	131	119	116	99	83
45		85	180	280	375	475	565	655	750
		230	225	221	212	203	186	167	148
61		80	180	280	375	475	575	665	760
		307	303	300	291	283	258	236	214
76		80	180	280	380	480	575	670	770
		384	379	374	365	356	332	306	280
91		80	175	275	375	475	575	670	770
		462	456	450	440	429	413	388	363
106		75	175	270	375	475	570	670	770
		539	532	526	514	502	476	448	421
121		70	170	270	370	470	570	670	765
		617	609	602	589	576	542	511	480
136		70	165	265	365	465	565	665	765
		692	683	674	659	645	601	564	527
151		70	165	260	365	465	560	660	
		770	759	746	733	718	666	624	
170		65	160	260	360	460	555	655	
		866	854	843	825	808	749	702	

245cc/r

		Δ Pressure Bar							
		35	70	105	140	170	205	240	275
1.9		95	215						
		4	1						
7.5		100	220	340	445	555	570	670	
		29	26	24	21	17	11	6	
15		105	225	345	460	575	640	750	855
		60	56	54	48	42	39	30	12
30		110	235	355	475	595	700	800	905
		120	116	113	104	95	81	67	53
45		110	235	360	480	605	720	840	955
		182	178	174	165	157	141	125	109
61		110	235	360	485	610	730	845	960
		244	240	236	228	221	202	184	165
76		105	230	355	485	615	735	855	980
		306	301	297	287	277	257	238	218
91		105	230	355	480	610	735	860	980
		365	361	358	348	338	316	294	271
106		100	225	350	480	610	730	855	980
		426	421	416	404	376	358	340	322
121		90	215	345	470	600	725	850	975
		489	481	475	461	448	423	398	373
136		80	210	335	460	580	710	840	
		549	543	537	524	509	482	456	
151		80	200	330	455	580	700	800	
		612	606	599	585	570	540	510	
170		65	200	325	445	575	685	755	
		688	682	674	685	641	608	574	
189			195	315	440	555	670		
			758	749	731	712	676		
208			190	310	430	550	665		
			834	824	804	783	744		

460 Torque Nm
808 Speed RPM

Motors run with high efficiency in all areas designated with a number for torque and speed, However for best motor life select a motor to run with a torque and speed in the Continuous Area.

Performance data is typical at 120 SUS.
Actual data may vary slightly from unit to unit in production

Disc Valve Motors

Performance Data SMT Series

Continuous 

Intermittent 

310cc/r

390cc/r

	Δ Pressure Bar							
	35	70	105	140	170	205	240	275
1.9	60 6	125 4	275 1					
7.5	130 23	280 22	410 20	540 17	645 14	755 10	880 4	
15	135 47	290 45	430 42	570 38	685 32	800 24	935 17	1025 10
30	140 95	300 91	450 87	595 81	730 73	870 64	985 55	1105 46
45	140 143	305 140	460 135	610 129	760 121	910 111	1045 99	1185 88
61	140 192	300 188	460 184	615 178	770 167	920 156	1060 141	1205 126
76	135 241	295 236	455 232	615 226	770 216	925 201	1075 184	1225 167
91	130 289	295 282	455 279	615 273	775 260	930 248	1080 232	1230 215
106	130 336	290 333	450 328	610 320	770 308	930 295	1075 276	1225 257
121	125 384	285 381	445 375	600 368	765 354	920 341	1065 320	
136	120 430	275 421	435 416	590 410	750 396	915 383	1055 360	
151	115 478	270 466	425 461	580 456	745 441	905 427	1040 403	
189	110 597	245 582	385 576	525 570	685 551	840 534		
227		220 698	365 691	515 684	650 661	800 641		

	Δ Pressure Bar							
	35	70	105	140	170	205	240	275
3.8	175 2	365 1						
7.5	180 18	370 17	555 16	730 14	875 12	1025 9	1195 4	
15	185 38	375 37	560 35	740 33	920 29	1080 22	1275 14	1370 5
30	185 76	380 74	575 72	760 68	950 65	1135 55	1315 45	1455 33
45	185 115	385 112	580 109	770 105	965 100	1150 91	1340 81	1540 79
61	180 154	380 151	580 147	770 143	965 132	1155 126	1345 116	
76	180 193	380 189	580 187	775 182	970 175	1160 162	1355 152	
91	170 230	370 229	570 225	765 220	965 212	1155 204		
106	165 268	365 266	565 261	760 256	960 248	1150 236		
121	160 306	355 304	555 299	750 292	945 282	1145 269		
136	155 346	340 340	545 336	730 329	930 317	1130 301		
151	150 386	325 380	535 375	730 368	915 359			
189	130 482	300 475	515 469	730 460	910 449			
227		280 570	500 562	720 552	890 538			

650 Torque Nm
661 Speed RPM

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Disc Valve Motors

Performance Data SMT Series

Continuous Intermittent

490cc/r

625cc/r

	Δ Pressure Bar						
	35	70	105	140	170	205	240
3.8	235 7	480 5	695 3				
7.5	240 14	480 13	710 12	945 11	1175 8	1370 3	
15	235 30	485 29	725 28	960 27	1195 25	1410 21	1645 17
30	235 60	485 59	735 57	975 54	1215 51	1445 45	1685 38
45	235 91	485 89	735 87	975 84	1220 79	1455 71	
61	235 122	480 121	730 118	975 114	1220 109	1460 100	
76	225 152	470 150	725 147	975 144	1220 139		
91	220 184	470 181	720 180	970 176	1215 171		
106	210 214	460 211	710 208	960 204	1210 198		
121	195 244	450 241	700 237	950 232	1205 226		
136	175 275	435 272	685 265	940 260	1175 255		
151	160 306	425 303	675 295	920 290	1150 284		
189	130 382	365 379	590 369	860 362			
227		325 454	550 442	805 435			

	Δ Pressure Bar						
	35	50	70	85	105	120	140
3.8	250 5	380 4	510 4	640 3	755 2		
7.5	260 12	395 13	535 13	670 10	795 10	925 8	1060 6
15	275 24	425 24	570 24	710 22	850 21	955 18	1065 16
30	295 45	450 44	605 44	755 43	925 42	1095 39	1270 37
45	295 72	450 71	610 71	765 70	920 68	1125 66	1330 64
61	285 94	445 93	605 92	760 91	915 89	1120 87	1325 85
76	280 119	440 118	595 117	755 116	915 115	1120 112	1325 110
91	265 143	430 142	585 140	745 139	905 138	1110 135	1320 132
106	255 168	415 166	575 165	735 164	895 162	1105 159	1315 156
121	240 192	400 190	560 188	720 187	880 185	1090 182	1300 179
136	220 216	380 214	540 213	700 212	855 210	1050 207	
151	200 240	360 239	520 238	680 237	835 236	1015 233	
189		310 298	470 296	630 294	790 290		
227		255 355	430 353	590 350	745 345		

805 Torque Nm
435 Speed RPM

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Disc Valve Motors

SMT Series Performance

Continuous Intermittent

800cc/r

		Pressure Bar						
		35	50	70	85	105	120	140
Flow LPM	3.8	420 4	590 4	776 3	960 2			
	7.5	420 4	594 8	790 8	972 7	1176 6	1344 5	1568 4
	15	435 18	608 17	840 17	1020 16	1204 15	1308 14	1650 13
	30	420 36	396 35	830 35	1005 34	1204 33	1415 31	1610 29
	45	380 55	565 55	795 54	972 54	1190 53	1362 51	
	61	340 75	520 74	760 72	940 71	1172 70		
	76	325 93	500 92	730 90	900 89	1140 87		
	91	315 111	470 110	700 109	860 108	1080 105		
	106	310 129	450 128	650 127	800 125	1020 123		
	121	280 148	420 146	610 145	750 143			
	136	270 166	400 165	550 165	700 164			
	151	250 184	350 183	500 182	635 180			
	189		300 230	440 228	580 225			
	227			380 276	520 273			

985cc/r

		Pressure ΔBar							
		15	35	50	70	85	105	120	140
Flow LPM	3.8	215 3	465 3	645 2	865 2	1080 1			
	7.5	215 8	470 8	710 7	940 7	1175 6	1410 5	1565 4	1685 3
	15	225 15	485 15	775 15	965 14	1205 14	1445 13	1570 13	1790 13
	30	230 30	495 30	750 30	995 29	1235 28	1480 27	1640 26	1875 25
	45	230 45	495 45	750 45	1000 44	1250 43	1495 42	1700 41	
	61	225 61	490 61	740 61	995 60	1245 59	1500 58		
	76	215 77	475 77	730 76	985 76	1235 75	1485 74		
	91	205 92	460 92	705 92	960 91	1220 90	1470 89		
	106	185 107	445 107	700 107	950 106	1200 105	1450 103		
	121	165 123	425 123	675 122	925 121	1160 120			
	136	130 138	395 138	645 138	895 137	1125 135			
	151	95 153	365 153	610 152	865 151	1085 150			
	189		325 191	585 190	830 189	1050 188			
	227			525 230	810 229	1025 226			

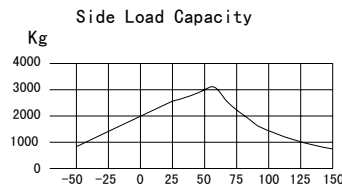
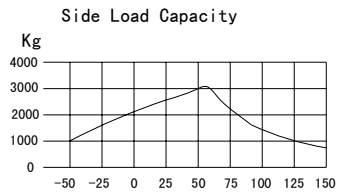
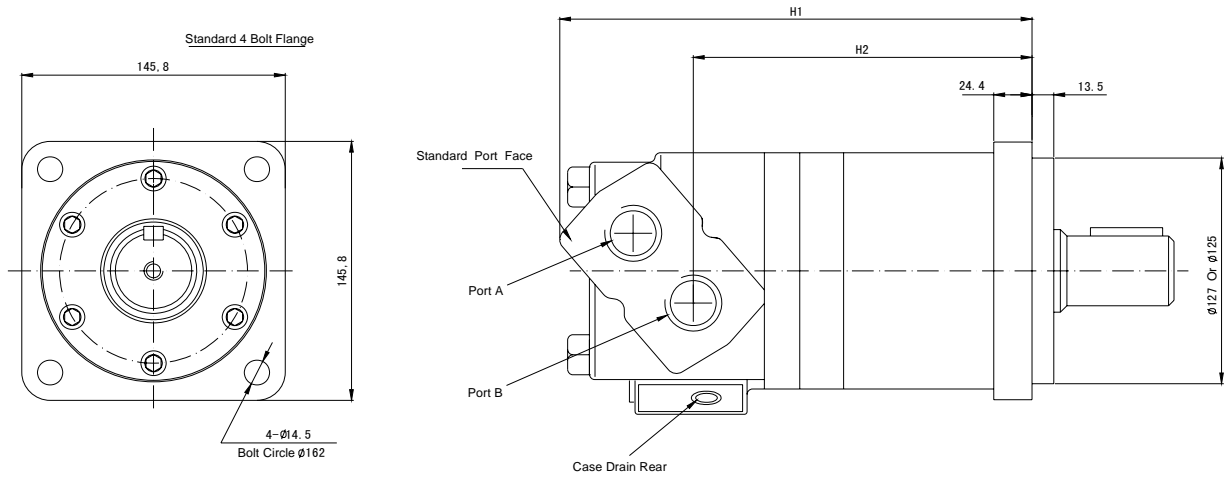
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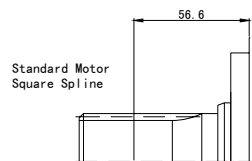
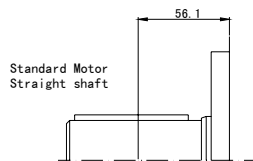
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Dimensions

SMT Series Standard

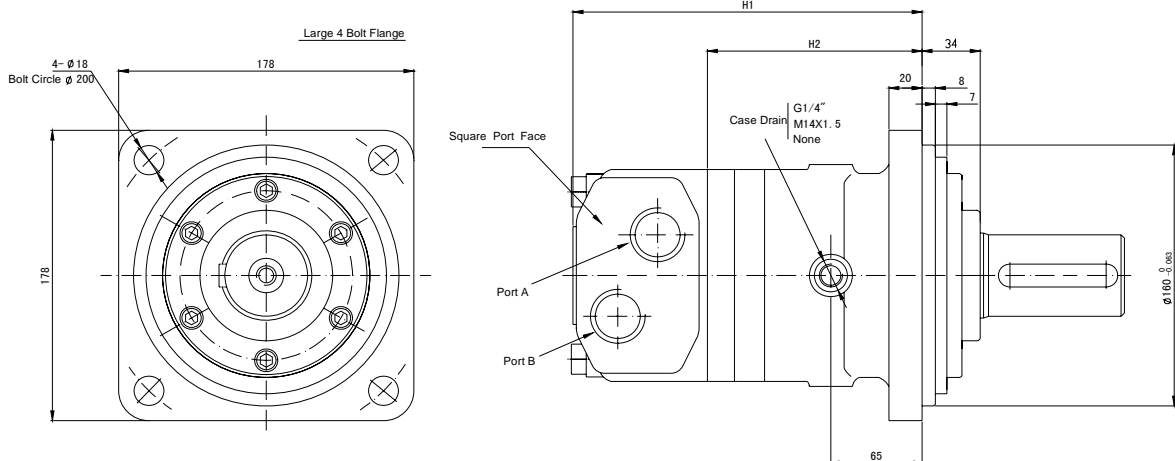


Displacement	H2 mm	H1 mm
195	150	270
245	156	276
310	163	283
390	172	292
490	183	303
625	198	318
800	214	333
985	237	358



Dimensions

SMT Series Large 4 Bolt Flange

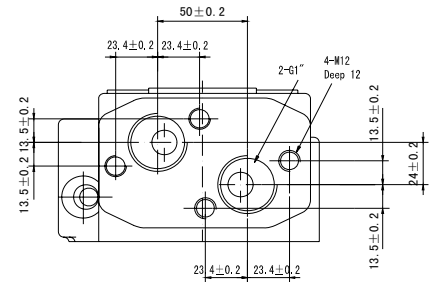
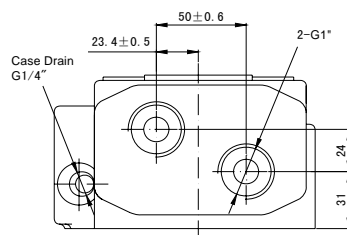
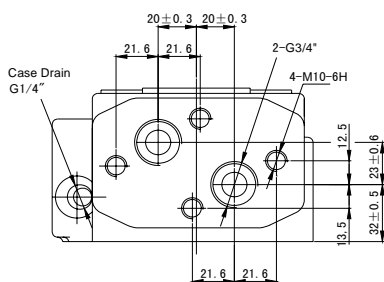
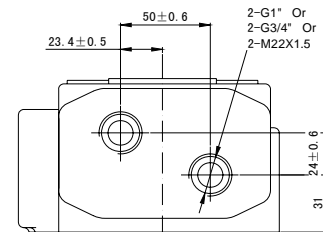
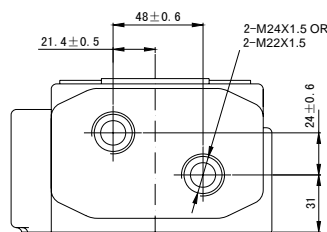
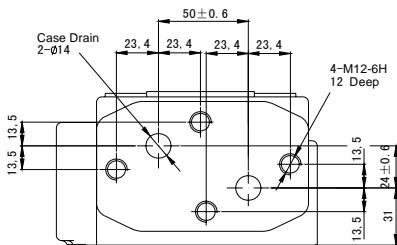
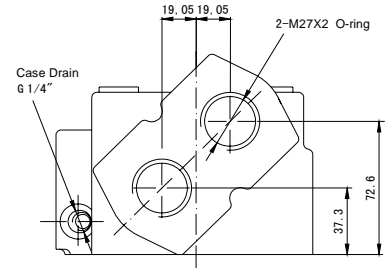
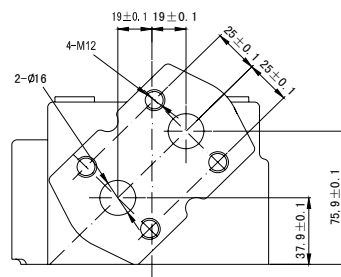
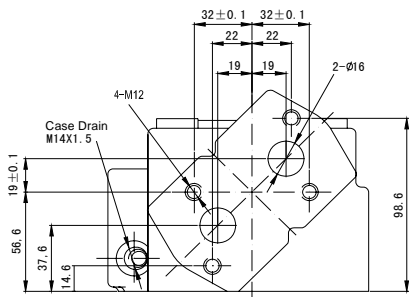
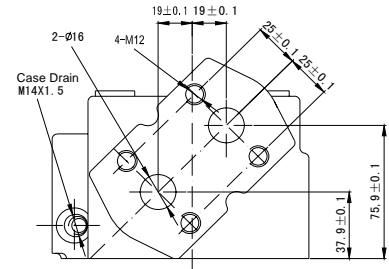
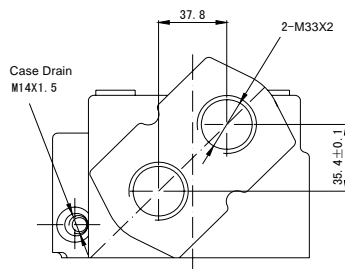
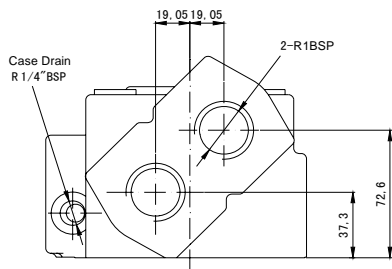


Displacement	H2 mm	H1 mm
195	135.1	229.7
245	140.7	235.3
310	148.1	245.5
390	156.7	251.3
490	167.9	262.5
625	182.5	277
800	198.5	292.9
985	222.3	317

Standard Rotation : CW when Port A pressurized

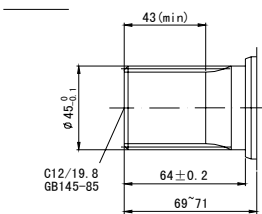
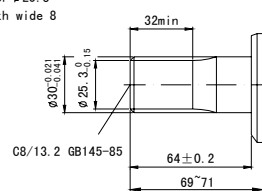
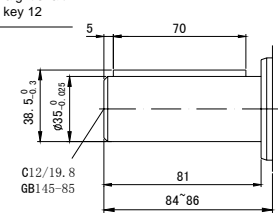
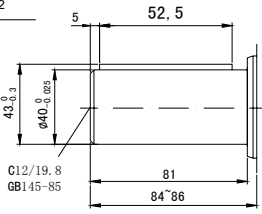
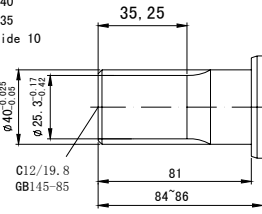
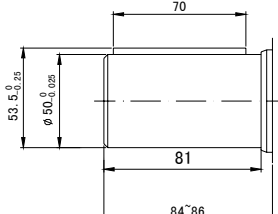
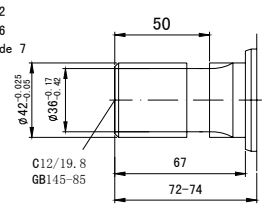
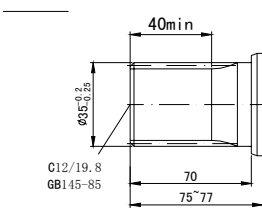
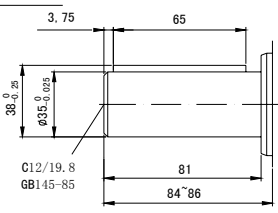
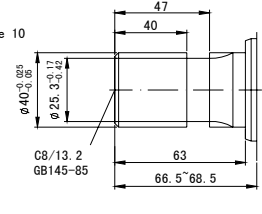
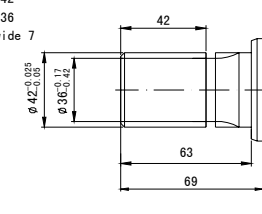
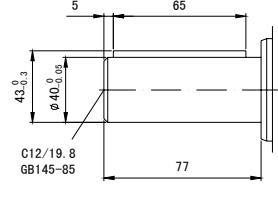
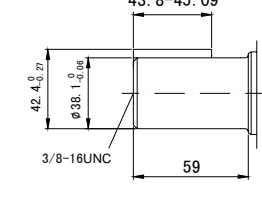
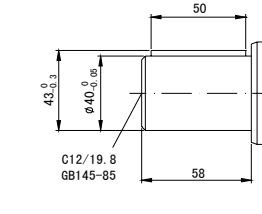
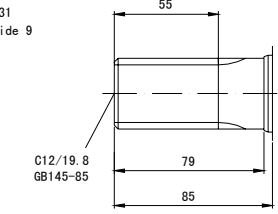
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SMT Series Port



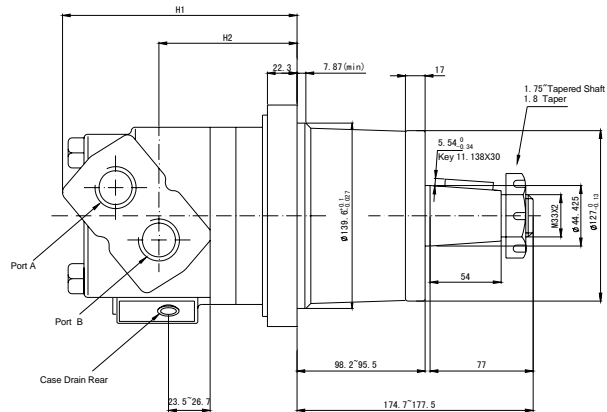
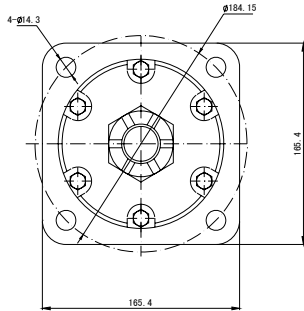
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SMT Series Shaft

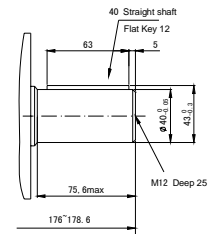
<p>M=2.5 Involute Spline, 17 teeth</p>  <p>43(min) $\phi 45.0$ 64 ± 0.2 69 ± 0.2 C12/19.8 GB145-85</p>	<p>Square Spline 6 teeth major $\phi 30$ minor $\phi 25.3$ teeth wide 8</p>  <p>32min $\phi 30.0 \pm 0.041$ $\phi 25.3 \pm 0.13$ 64 ± 0.2 69 ± 0.2 C8/13.2 GB145-85</p>	<p>$\phi 35$ Straight shaft Flat key 12</p>  <p>5 38.5 ± 0.3 $\phi 35.0 \pm 0.035$ 70 81 84 ± 0.06 C12/19.8 GB145-85</p>
<p>$\phi 40$ Straight shaft Flat key 12</p>  <p>5 43.0 ± 0.3 $\phi 40.0 \pm 0.035$ 81 84 ± 0.06 C12/19.8 GB145-85</p>	<p>Square Spline 6 teeth major $\phi 40$ minor $\phi 35$ teeth wide 10</p>  <p>35.25 $\phi 40.0 \pm 0.035$ $\phi 25.0 \pm 0.12$ 81 84 ± 0.06 C12/19.8 GB145-85</p>	<p>$\phi 50$ Straight shaft Flat key 14</p>  <p>70 53.5 ± 0.25 $\phi 50.0 \pm 0.025$ 81 84 ± 0.06 C12/19.8 GB145-85</p>
<p>Square Spline 8 teeth major $\phi 42$ minor $\phi 36$ teeth wide 7</p>  <p>50 $\phi 42.0 \pm 0.035$ $\phi 36.0 \pm 0.12$ 67 $72-74$ C12/19.8 GB145-85</p>	<p>M=2 Involute Spline, 16 teeth</p>  <p>40min $\phi 35.0 \pm 0.2$ 70 $75-77$ C12/19.8 GB145-85</p>	<p>$\phi 35$ Straight shaft Flat key 10</p>  <p>3.75 65 38.2 ± 0.2 $\phi 35.0 \pm 0.035$ 81 84 ± 0.06 C12/19.8 GB145-85</p>
<p>Square Spline 6 teeth major $\phi 40$ minor $\phi 35$ teeth wide 10</p>  <p>47 40 $\phi 40.0 \pm 0.035$ $\phi 25.0 \pm 0.12$ 63 $66.5-68.5$ C8/13.2 GB145-85</p>	<p>Square Spline 8 teeth major $\phi 42$ minor $\phi 36$ teeth wide 7</p>  <p>42 42 $\phi 42.0 \pm 0.035$ $\phi 36.0 \pm 0.17$ 63 69 C12/19.8 GB145-85</p>	<p>$\phi 40$ Straight shaft Flat key 12</p>  <p>5 65 43.0 ± 0.3 $\phi 40.0 \pm 0.035$ 81 77 C12/19.8 GB145-85</p>
<p>$\phi 1.5$ Straight shaft Flat key 9.5</p>  <p>43.8-45.09 42.4 ± 0.27 $\phi 38.1 \pm 0.03$ 59 59 3/8-16UNC</p>	<p>$\phi 40$ Straight shaft Flat key 12</p>  <p>50 43.0 ± 0.3 $\phi 40.0 \pm 0.035$ 58 58 C12/19.8 GB145-85</p>	<p>Square Spline 6 teeth major $\phi 38$ minor $\phi 31$ teeth wide 9</p>  <p>55 43.0 ± 0.3 $\phi 40.0 \pm 0.035$ 79 85 C12/19.8 GB145-85</p>

Disc Valve Motors

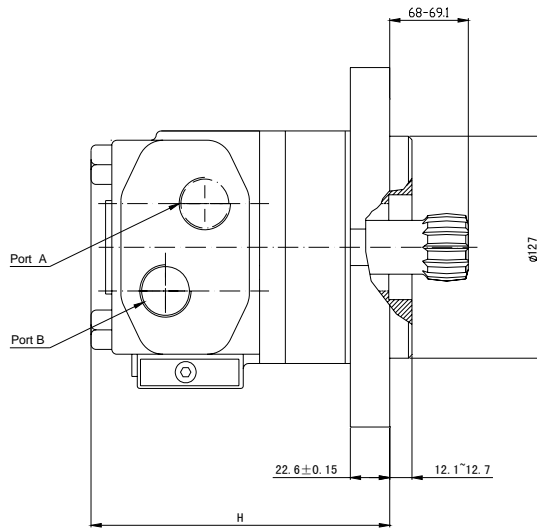
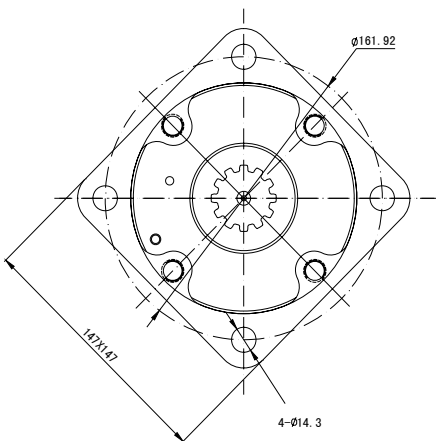
SMT Series Wheel Motor



Displacement cc/r	H2	H1
195	103	185
245	108	191
310	116	198
390	124	207
490	136	218
625	150	233
800	128	249
985	190	273



Standard Rotation : CW when Port A pressurized



Diametral Pitch	8.5/17
Pressure Angle	30
Number of Teeth	12
Major Dia.	38.4
Minor Dia.	31.5
Space width	5.7

Displacement cc/r	195	245	310	390	490	625	800	985
H mm	178	183	191	200	211	226	251	265

Disc Valve Motors

Customer Order Information

SMT Series Standard

Port	Output Shaft	Flange & Pilot	Displacement cc/r					
			195	245	310	390	490	625
Port 1-5/16-12UNF Oring, Rear Case Drain 7/1620 UNF Oring, Standard Port Face	Straight Φ 1.5" Flat Key 9.56	Standard 4 Bolt Flange, Pilot Φ 127	193m1064	1065	1066	1067	1068	1107
Port G1" BSP, Rear Case Drain G1/4" BSP, Standard Port Face	Straight Φ 40 Flat Key 12	Standard 4 Bolt Flange, Pilot Φ 127	193m1094	1095	1096	1097	1098	
	Straight Φ 1.5" Flat Key 9.52	Standard 4 Bolt Flange, Pilot Φ 127	191m0131	0132	0133	0134	0135	0136
	Square Spline 6D40X35X10 L=119	Large 4 Bolt Flange, Pilot Φ 160	192m1041	1042	1043	1044	1045	1046
	Square Spline 8D42X36X7 L=105	Large 4 Bolt Flange, Pilot Φ 160	192m1091	1092	1093	1094	1095	1096
Port G3/4" BSP, Rear Case Drain G1/4" BSP, Standard Port Face	Straight Φ 40 Flat Key 12	Standard 4 Bolt Flange, Pilot Φ 125	192m0031	0032	0033	0034	0035	0036
Port G3/4" BSP, Rear Case Drain G1/4" BSP, Standard Manifold Port Face	Straight Φ 40 Flat Key 12	Standard 4 Bolt Flange, Pilot Φ 125	191m0061	0062	0063	0064	0065	0066
Port M33X2, Rear Case Drain M14X1.5 , Standard Port Face	Straight Φ 40 Flat Key 12	Standard 4 Bolt Flange, Pilot Φ 127	191m0011	0012	0013	0014	0015	0016
	Square Spline 8D42X36X7 L=75.6~78	Standard 4 Bolt Flange, Pilot Φ 127	191m1021	1022	1023	1024	1025	1026
	Square Spline 8D40X35X10 L=75.6~78	Standard 4 Bolt Flange, Pilot Φ 127	191m1031	1032	1033	1034	1035	1036
	Straight Φ 1.5" Flat Key 9.52	Standard 4 Bolt Flange, Pilot Φ 127	191m0071	0072	0073	0074	0075	0076
	Square Spline 8D42X36X7 L=75.6~78	Standard 4 Bolt Flange, Pilot Φ 127	191m1101	1102	1103	1104	1105	1106
	Straight Φ 40 Flat Key 12	Standard 4 Φ 14 Bolt Flange, Pilot Φ 125	191m0151	0152	0153	0154	0155	0156
Port M24X1.5, Rear Case Drain M14X1.5 , Standard Port Face	Straight Φ 40 Flat Key 12	Standard 4 Bolt Flange, Pilot Φ 125	191m0011	0012	0013	0014	0015	0016
Port M22X1.5, Rear Case Drain M14X1.5 , Standard Port Face	Square Spline 6D40X35X10 L=119	Large 4 Bolt Flange, Pilot Φ 160	192m1081	1082	1083	1084	1085	1086
Port Φ 14, Rear Case Drain G1/4" BSP, Standard Manifold Port Face	Straight Φ 40 Flat Key 12 L=119	Large 4 Bolt Flange, Pilot Φ 160	192m0121	0122	0123	0124	0125	0126
Port Φ 16, No Case Drain, Standard Manifold Port Face	Straight Φ 40 Flat Key 12	Standard 4 Bolt Flange, Pilot Φ 127	191m0091	0092	0093	0094	0095	0096
	Square Spline 8D42X36X7 L=75.6~78	Standard 4 Bolt Flange, Pilot Φ 127	191m1041	1042	1043	1044	1045	1046

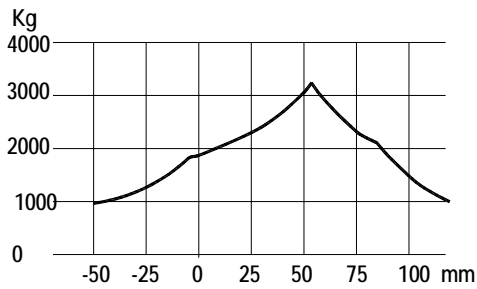
Disc Valve Motors

Customer Order Information

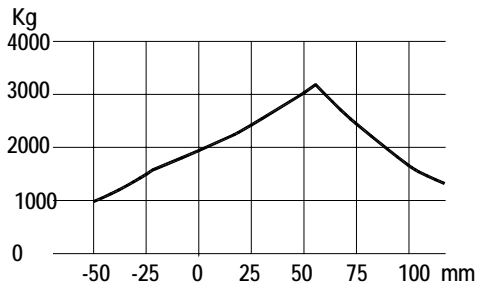
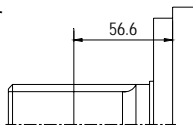
SMT Series Wheel Motor

Port	Output Shaft	Flange & Pilot	Displacement cc/r					
			195	245	310	390	490	625
Port 15/1612UNF Oring, Rear Case Drain 7/1620 UNF Oring, Standard Port Face	Tapered $\Phi 1.75"$ Flat Key 11.138	Wheel Motor 4 Bolt Flange, Pilot $\Phi 139.7$	194m1070	1071	1072	1073	1074	1093
Port G1" BSP, Rear Case Drain G1/4" BSP, Standard Port Face	Straight $\Phi 40$ Flat Key 12	Wheel Motor 4 Bolt Flange, Pilot $\Phi 139.7$	194m1082	1083	1084	1085	1086	1100
Port M33X2, Rear Case Drain M14X1.5, Standard Port Face	Tapered $\Phi 1.75"$ Flat Key 11.138	Wheel Motor 4 Bolt Flange, Pilot $\Phi 139.7$	191m4121	4122	4123	4124	4125	4126

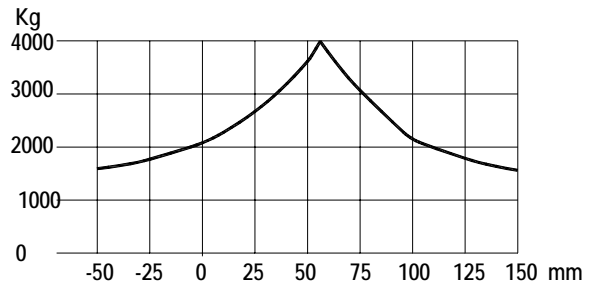
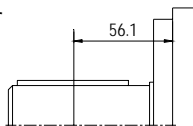
Side Load Capacity



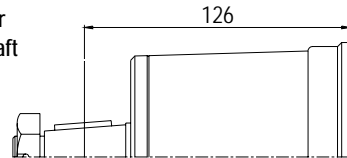
Standard Motor
Straight Shaft



Standard Motor
Straight Shaft



Wheel Motor
Taoered Shaft



Disc Valve Motors

Customer Order Information

1	2	3	4	5	6	7	8	9	10	11
S	M	T								

If the specification is not in the table or you have specific requirements, please contact us.

Pos. 1 : S ——— Power

Pos. 2 : M ——— Motor

Pos. 3 : P ——— T series

Pos. 4, 5: Displacement cc/r

0 1 ——— 195

0 2 ——— 245

0 3 ——— 310

0 4 ——— 390

0 5 ——— 490

0 6 ——— 625

0 7 ——— 800

0 8 ——— 985

Pos. 6 : Flange And Pilot

A ——— Standard 4 bolt flange, pilot ϕ 127

B ——— Standard 4 bolt flange, pilot ϕ 125

C ——— Wheel motor 4 bolt flange , pilot ϕ 139.7

D ——— Large 4 bolt flange pilot ϕ 160 case drain M14X1.5

E ——— Large 4 bolt flange pilot ϕ 160 case drain G1/4

Pos. 7 8 : Shaft

0 1 ——— Straight ϕ 1.5", flat key 9.56

0 2 ——— Straight ϕ 40, flat key 12 L=91.4~93.8

0 3 ——— Straight ϕ 40, flat key 12 L=77.7~80.1

0 4 ——— Square spline 8D-42X36X7 L=77.2~79.6

0 5 ——— Square spline 8D-42X36X7 L=72.2~74.6

0 6 ——— Square spline 6D-40X35X10 L=77.2~79.6

0 7 ——— Straight ϕ 50, flat key 14 L=102.2~104.6

0 8 ——— Straight ϕ 50, flat key 14 L=74.2~76.6

0 9 ——— Straight ϕ 40, flat key 12 L=102.2~104.6

1 0 ——— Straight ϕ 40, flat key 12 L=74.2~76.6

1 1 ——— Cone shaft 1: 8, ϕ 1.75",

1 2 ——— Straight ϕ 35, flat key 12 L=102.2~104.6

1 3 ——— Square spline 6D-40X35X10 L=102.2~104.6

1 4 ——— Square spline 8D-42X36X7 L=88.2~90.6

1 5 ——— Splined key EXT16ZX2.5MX30PX5H

1 6 ——— Splined key EXT17ZX2.5MX30PX5H

1 7 ——— Splined key EXT20ZX2MX30PX5H

1 8 ——— Splined key 12/24DP 17Z 30P

Pos. 9 : port

A : ——— 2-G1"O-ring , case drain G1/4 , O-ring

B : ——— 2-(1-5/16)-12UNF, case drain 7/16-20UNF, O-ring

C : ——— 2-M33X2, case drain M14X1.5

D : ——— 2-M33X2, case drain G1/4, O-ring

E : ——— 2-standard manifold port face

F : ——— 2-G1"

G : ——— 2-G3/4"

H : ——— 2-M22X1.5

I : ——— 2-M24X1.5

J : ——— 2- ϕ 14 port , no case drain

Pos. 10 : paint

0 ——— No paint

1 ——— Blue

2 ——— Black

3 ——— Other

Pos:11

A ——— Standard

B ——— Large bolt

C ——— Wheel