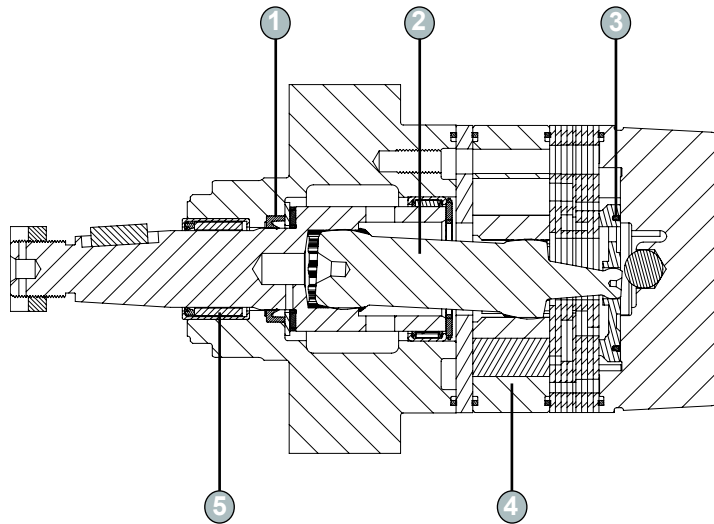




The White Drive Products tradition of providing motors that excel in demanding applications continues with the RG series. RG motors provide an especially solid platform for any medium-duty application where sload may present a concern. The RG incorporates our patented Roller Stator® design which reduces friction and extends motor life. With displacements ranging from 41 - 322 cc/rev [2.5 - 19.7 in³/rev], this motor is made to satisfy a variety of applications. Designed to industry standard mounting configurations, the RG is a perfect fit when you require longer life and improved motor performance.



- ① **High Pressure Buna® Shaft Seal** offers superior seal life and performance and eliminates the need for a case drain.
- ② **Heavy-Duty Drive Link** receives full flow lubrication to provide long life.
- ③ **Rubber Energized Steel Face Seal** does not extrude or melt under high pressure or high temperature.
- ④ **Roller Stator® Motor Design** increases efficiency and life by using roller contact versus solid, sliding contact design.
- ⑤ **Needle Roller Bearing** is in optimum location to allow load to be placed as close to the center line of bearing as possible.

SPECIFICATIONS

CODE	Displacement cc [in ³ /rev]	Max. Speed rpm		Max. Flow lpm [gpm]		Max. Torque daNm [lb-in]		Max. Pressure bar [psi]		
		cont.	inter.	cont.	inter.	cont.	inter.	cont.	inter.	peak
040	41 [2.5]	830	1020	34 [9]	42 [11]	7,1 [630]	10,0 [870]	138 [2000]	190 [2750]	207 [3000]
045	44 [2.7]	770	940	34 [9]	42 [11]	7,8 [685]	10,8 [955]	138 [2000]	190 [2750]	207 [3000]
060	60 [3.6]	760	950	45 [12]	57 [15]	10,7 [950]	15,0 [1320]	138 [2000]	190 [2750]	207 [3000]
070	70 [4.3]	650	810	45 [12]	57 [15]	12,7 [1120]	17,6 [1560]	138 [2000]	190 [2750]	207 [3000]
090	88 [5.4]	520	650	45 [12]	57 [15]	16,2 [1430]	22,4 [1985]	138 [2000]	190 [2750]	207 [3000]
100	100 [6.1]	450	570	45 [12]	57 [15]	18,5 [1640]	25,7 [2275]	138 [2000]	190 [2750]	207 [3000]
130	129 [7.9]	350	440	45 [12]	57 [15]	24,1 [2135]	33,4 [2960]	138 [2000]	190 [2750]	207 [3000]
160	161 [9.8]	280	350	45 [12]	57 [15]	30,4 [2690]	42,1 [3730]	138 [2000]	190 [2750]	207 [3000]
200	200 [12.2]	220	280	45 [12]	57 [15]	37,9 [3350]	52,5 [4650]	138 [2000]	190 [2750]	207 [3000]
230	231 [14.1]	240	330	57 [15]	76 [20]	48,3 [4230]	66,7 [5900]	138 [2000]	190 [2750]	207 [3000]
320	322 [19.7]	175	230	57 [15]	76 [20]	60,0 [5300]	83,3 [7380]	138 [2000]	190 [2750]	207 [3000]



040 41 cc/rev [2.5 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]					Max. Cont.	Max. Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]			
2 [0.5]	13 [117] 37	29 [259] 25	45 [401] 4					47
4 [1]	14 [126] 85	31 [276] 72	48 [427] 51	65 [577] 21				93
8 [2]	15 [134] 179	33 [293] 166	51 [453] 144	69 [612] 113	96 [852] 49			186
11 [3]	15 [136] 273	34 [299] 260	52 [462] 237	71 [625] 205	98 [869] 138			279
15 [4]	15 [136] 368	34 [300] 354	52 [464] 330	71 [628] 296	99 [874] 227			372
19 [5]	15 [134] 462	34 [298] 448	52 [462] 423	71 [626] 388	98 [872] 316			464
27 [7]	15 [129] 650	33 [291] 636	51 [454] 609	70 [617] 572	97 [861] 493			650
Max. Cont.	14 [122] 835	32 [283] 824	50 [445] 796	69 [607] 755	96 [849] 671			835
Max. Inter.	13 [115] 1021	31 [276] 1012	49 [437] 982	68 [599] 939				1021
Theo.Torque		22 [198]	45 [396]	67 [595]	90 [793]	123 [1090]		

Torque, Nm [lb-in]
Speed, RPM

045 44 cc/rev [2.7 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]					Max. Cont.	Max. Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]			
2 [0.5]	15 [131] 34	32 [285] 23	50 [438] 4					43
4 [1]	16 [140] 78	34 [303] 66	53 [467] 47	71 [631] 19				86
8 [2]	17 [148] 165	36 [322] 153	56 [496] 133	76 [669] 104	105 [930] 45			172
11 [3]	17 [151] 252	37 [328] 240	57 [506] 219	77 [683] 189	107 [950] 127			257
15 [4]	17 [150] 339	37 [329] 326	57 [508] 304	78 [687] 273	108 [955] 209			343
19 [5]	17 [147] 426	37 [326] 413	57 [505] 390	77 [685] 358	108 [953] 291			428
27 [7]	16 [140] 599	36 [318] 586	56 [496] 562	76 [674] 527	106 [942] 455			599
Max. Cont.	15 [131] 770	35 [308] 760	55 [485] 734	75 [662] 696	105 [928] 619			770
Max. Inter.	14 [121] 942	34 [298] 933	54 [475] 906	74 [652] 866				942
Theo.Torque		24 [215]	49 [430]	73 [645]	97 [860]	134 [1182]		

060 60 cc/rev [3.6 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]					Max. Cont.	Max. Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]			
2 [0.5]	22 [191] 26	45 [400] 17	69 [608] 3					32
4 [1]	23 [203] 58	48 [425] 49	73 [648] 35	98 [870] 14				64
8 [2]	24 [213] 122	51 [450] 113	78 [687] 98	104 [924] 77	145 [1280] 34			127
11 [3]	24 [214] 187	52 [458] 178	79 [702] 162	107 [945] 140	148 [1310] 94			191
15 [4]	24 [211] 251	52 [458] 242	80 [704] 226	107 [950] 203	149 [1320] 155			254
19 [5]	23 [205] 316	51 [453] 306	79 [700] 289	107 [948] 265	149 [1319] 216			318
27 [7]	21 [190] 445	49 [437] 435	77 [685] 417	105 [932] 391	147 [1304] 337			445
Max. Cont.	19 [170] 572	47 [417] 563	75 [664] 544	103 [912] 517	145 [1282] 459			572
Max. Inter.	15 [136] 762	43 [384] 756	71 [632] 735	99 [879] 705	141 [1251] 641			762
Theo.Torque		35 [310]	65 [580]	93 [869]	131 [1155]	179 [1600]		

Areas within white represent maximum motor efficiencies. DO NOT operate at maximum pressure and maximum flow simultaneously. Tested at 54°C [129°F] with an oil viscosity of 46 cSt [213 SUS]. **Note:** Performance data is typical. Performance of production units varies slightly from one motor to another.



070 70 cc/rev [4.3 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]					Max. Cont.	Max. Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]			
2 [0.5]	26 [231] 22	54 [474] 15	81 [718] 2					28
4 [1]	28 [244] 50	57 [504] 42	86 [765] 30	116 [1025] 12				55
8 [2]	29 [255] 105	60 [534] 97	92 [812] 84	123 [1090] 66	170 [1507] 29			109
11 [3]	29 [256] 160	61 [542] 152	94 [829] 139	126 [1115] 120	175 [1544] 81			164
15 [4]	28 [251] 215	61 [541] 207	94 [831] 193	127 [1121] 174	176 [1557] 133			218
19 [5]	27 [243] 271	60 [535] 262	93 [827] 248	126 [1119] 227	176 [1556] 185			272
27 [7]	25 [222] 381	58 [514] 372	91 [807] 357	124 [1100] 335	174 [1539] 289			381
34 [9]	22 [196] 490	55 [488] 483	88 [781] 466	121 [1073] 442	171 [1512] 393			490
Max. Cont.	17 [149] 653	50 [443] 648	83 [736] 630	116 [1030] 604	166 [1470] 549			653
Max. Inter.	11 [96] 816	44 [393] 813	78 [690] 793	111 [986] 765				816
Theo. Torque	38 [338]	76 [677]	115 [1015]	153 [1354]	210 [1861]			

090 88 cc/rev [5.4 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]					Max. Cont.	Max. Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]			
2 [0.5]	34 [301] 17	69 [609] 12	104 [917] 2					22
4 [1]	36 [318] 39	73 [647] 33	110 [976] 24	147 [1305] 10				44
8 [2]	37 [331] 83	77 [684] 77	117 [1036] 67	157 [1388] 52	217 [1917] 23			87
11 [3]	37 [331] 127	78 [694] 121	120 [1058] 110	161 [1421] 95	222 [1966] 64			130
15 [4]	37 [323] 171	78 [692] 165	120 [1061] 154	162 [1430] 138	224 [1984] 106			173
19 [5]	35 [312] 215	77 [683] 208	119 [1055] 197	161 [1427] 181	224 [1984] 147			216
27 [7]	32 [280] 303	74 [654] 296	116 [1028] 284	158 [1402] 266	222 [1962] 230			303
34 [9]	27 [242] 389	70 [616] 383	112 [990] 370	154 [1365] 351	218 [1926] 312			389
Max. Cont.	20 [173] 519	62 [549] 515	105 [925] 500	147 [1301] 480	211 [1864] 436			519
Max. Inter.	11 [94] 648	53 [473] 646	96 [853] 630	139 [1232] 608				648
Theo. Torque	48 [426]	96 [852]	144 [1278]	193 [1704]	265 [2343]			

Torque, Nm [lb-in]
Speed, RPM

Areas within white represent maximum motor efficiencies. DO NOT operate at maximum pressure and maximum flow simultaneously. Tested at 54°C [129°F] with an oil viscosity of 46 cSt [213 SUS]. **Note:** Performance data is typical. Performance of production units varies slightly from one motor to another.



100 100 cc/rev [6.1 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]				Max.Cont.	Max.Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]			
2 [0.5]	40 [350] 15	79 [701] 10	119 [1052] 2				19
4 [1]	42 [369] 35	84 [744] 29	127 [1120] 21	169 [1496] 9			38
8 [2]	43 [383] 73	89 [786] 68	134 [1189] 59	180 [1592] 46	248 [2196] 20		76
11 [3]	43 [382] 112	90 [798] 106	134 [1214] 97	184 [1630] 83	255 [2254] 56		114
15 [4]	42 [372] 150	90 [795] 144	138 [1218] 135	185 [1641] 121	257 [2275] 93		152
19 [5]	40 [358] 189	89 [784] 183	137 [1211] 173	185 [1637] 158	257 [2276] 129		190
27 [7]	36 [320] 266	85 [749] 260	133 [1178] 249	182 [1607] 233	254 [2251] 201		266
34 [9]	31 [273] 341	79 [703] 336	128 [1133] 325	177 [1564] 308	250 [2209] 274		341
Max. Cont.	21 [190] 455	70 [622] 451	119 [1053] 439	168 [1485] 421	241 [2133] 383		455
Max. Inter.	10 [93] 569	60 [528] 566	109 [964] 553	158 [1399] 533			569
Theo.Torque	55 [486]	110 [971]	165 [1457]	220 [1943]	302 [2671]		

130 129 cc/rev [7.9 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]				Max.Cont.	Max.Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	138 [2000]			
2 [0.5]	52 [463] 12	104 [917] 8	155 [1370] 1				15
4 [1]	55 [487] 27	110 [972] 23	165 [1458] 16	220 [1943] 7			30
8 [2]	57 [505] 57	116 [1026] 53	175 [1548] 46	234 [2069] 36	322 [2851] 16		59
11 [3]	57 [502] 87	118 [1041] 82	179 [1580] 75	240 [2120] 65	331 [2929] 44		89
15 [4]	55 [488] 116	117 [1037] 112	179 [1586] 105	241 [2134] 94	334 [2958] 72		118
19 [5]	53 [467] 146	115 [1021] 142	178 [1576] 134	241 [2130] 123	335 [2961] 100		147
27 [7]	47 [413] 206	110 [972] 201	173 [1531] 193	236 [2091] 181	331 [2929] 156		206
34 [9]	39 [347] 265	103 [908] 261	166 [1469] 252	229 [2030] 239	325 [2872] 213		265
Max. Cont.	26 [228] 353	89 [792] 350	153 [1355] 341	217 [1919] 326	312 [2764] 297		353
Max. Inter.	10 [89] 441	74 [657] 440	138 [1224] 429	202 [1792] 414			441
Theo. Torque	71 [626]	141 [1252]	212 [1877]	283 [2503]	389 [3442]		

Torque, Nm [lb-in]
Speed, RPM

Areas within white represent maximum motor efficiencies. DO NOT operate at maximum pressure and maximum flow simultaneously. Tested at 54°C [129°F] with an oil viscosity of 46 cSt [213 SUS]. **Note:** Performance data is typical. Performance of production units varies slightly from one motor to another.



160 161 cc/rev [9.8 in³/rev.]

Flow LPM [GPM]		Pressure, bars [psi]			Max. Cont.	Max. Inter.	Theo. RPM
		35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]	
Max. Cont. Max. Inter.	2 [0.5]	67 [590] 9	131 [1158] 6	195 [1726] 1			12
	4 [1]	70 [620] 21	139 [1228] 18	207 [1836] 13	276 [2445] 5		24
	8 [2]	72 [641] 45	146 [1295] 42	220 [1949] 36	294 [2604] 29	405 [3585] 12	47
	11 [3]	72 [636] 69	148 [1313] 66	225 [1991] 60	301 [2668] 52	416 [3684] 35	71
	15 [4]	70 [617] 93	148 [1307] 90	226 [1997] 84	304 [2687] 75	421 [3722] 57	94
	19 [5]	67 [590] 117	145 [1287] 113	224 [1984] 107	303 [2682] 98	421 [3728] 80	118
	27 [7]	59 [518] 165	138 [1222] 161	218 [1927] 154	297 [2631] 145	417 [3688] 125	165
	34 [9]	49 [429] 212	128 [1137] 209	208 [1845] 202	288 [2552] 191	408 [3614] 170	212
	45 [12]	31 [271] 282	111 [982] 280	191 [1693] 272	272 [2404] 261	392 [3471] 237	282
	57 [15]	10 [85] 353	90 [800] 351	171 [1516] 343	252 [2231] 331		353
	Theo. Torque		88 [783]	177 [1565]	265 [2348]	354 [3131]	486 [4305]

200 200 cc/rev [12.2 in³/rev.]

Flow LPM [GPM]		Pressure, bars [psi]			Max. Cont.	Max. Inter.	Theo. RPM
		35 [500]	69 [1000]	104 [1500]	138 [2000]	190 [2750]	
Max. Cont. Max. Inter.	2 [0.5]	84 [742] 8	164 [1447] 5	243 [2152] 1			10
	4 [1]	88 [778] 17	173 [1534] 15	259 [2289] 10	344 [3045] 4		19
	8 [2]	91 [804] 37	183 [1617] 34	275 [2430] 29	367 [3244] 23	504 [4464] 10	38
	11 [3]	90 [796] 56	185 [1639] 53	280 [2482] 48	376 [3325] 42	519 [4589] 28	57
	15 [4]	87 [772] 75	184 [1631] 72	281 [2490] 67	378 [3349] 61	524 [4638] 46	76
	19 [5]	83 [736] 94	181 [1605] 91	280 [2474] 86	378 [3343] 79	525 [4646] 64	95
	27 [7]	73 [643] 133	172 [1522] 130	271 [2400] 124	371 [3279] 117	519 [4597] 101	133
	34 [9]	60 [528] 171	159 [1411] 168	259 [2295] 163	359 [3178] 154	509 [4503] 137	171
	45 [12]	36 [322] 228	137 [1210] 226	237 [2098] 220	337 [2985] 210	488 [4317] 192	228
	57 [15]	9 [80] 285	110 [973] 283	211 [1865] 277	312 [2758] 267		285
	Theo. Torque		110 [971]	219 [1941]	329 [2912]	439 [3882]	603 [5338]

Torque, Nm [lb-in]
Speed, RPM

Areas within white represent maximum motor efficiencies. DO NOT operate at maximum pressure and maximum flow simultaneously. Tested at 54°C [129°F] with an oil viscosity of 46 cSt [213 SUS]. **Note:** Performance data is typical. Performance of production units varies slightly from one motor to another.



230 231 cc/rev [14.1 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]			Max. Cont.	Max. Inter.		Theo. RPM
	35 [500]	69 [1000]	104 [1500]	121 [1750]	138 [2000]	166 [2400]	
2 [0.5]	98 [864] 7	190 [1678] 4	282 [2493] 1				9
4 [1]	102 [905] 15	201 [1779] 13	300 [2652] 9	349 [3089] 7	398 [3526] 4		17
8 [2]	106 [934] 32	212 [1875] 29	318 [2816] 25	371 [3286] 23	425 [3757] 20	510 [4509] 14	33
11 [3]	104 [925] 48	215 [1900] 46	325 [2876] 42	380 [3363] 39	435 [3851] 36	523 [4631] 30	50
15 [4]	101 [895] 65	214 [1890] 63	326 [2885] 58	382 [3382] 56	438 [3880] 52	528 [4675] 46	66
19 [5]	96 [853] 82	210 [1860] 79	324 [2866] 75	381 [3369] 72	438 [3872] 69	529 [4677] 62	83
27 [7]	84 [743] 115	199 [1761] 112	314 [2780] 108	372 [3289] 105	429 [3798] 101	521 [4612] 94	115
34 [9]	69 [607] 148	184 [1631] 146	300 [2655] 141	358 [3167] 137	416 [3679] 134	508 [4498] 126	148
45 [12]	41 [364] 197	157 [1393] 196	274 [2422] 190	332 [2936] 186	390 [3451] 182	483 [4274] 174	197
Max. Cont.	9 [76] 247	125 [1111] 245	242 [2145] 240	301 [2662] 236	359 [3180] 231	453 [4007] 222	247
Max. Inter.	76 [20]	62 [551] 328	181 [1600] 322	240 [2124] 317			329
Theo. Torque							
	127 [1121]	253 [2242]	380 [3363]	443 [3924]	507 [4484]	608 [5381]	

320 322 cc/rev [19.7 in³/rev.]

Flow LPM [GPM]	Pressure, bars [psi]		Max. Cont.	Max. Inter.	Theo. RPM
	35 [500]	69 [1000]	104 [1500]	135 [1950]	
4 [1]	145 [1280] 11	283 [2501] 9			12
8 [2]	149 [1319] 23	298 [2635] 21	447 [3951] 18	580 [5136] 15	24
11 [3]	147 [1304] 35	302 [2670] 33	456 [4036] 30	595 [5265] 26	36
15 [4]	142 [1260] 47	300 [2654] 45	457 [4049] 42	599 [5303] 38	48
19 [5]	135 [1199] 59	295 [2610] 57	454 [4021] 54	598 [5291] 50	59
27 [7]	117 [1039] 82	279 [2468] 81	440 [3897] 77	586 [5184] 73	83
34 [9]	95 [841] 106	258 [2279] 104	420 [3717] 101	566 [5012] 96	106
45 [12]	55 [485] 142	218 [1931] 140	382 [3377] 136	529 [4678] 131	142
Max. Cont.	7 [64] 177	171 [1517] 176	336 [2970] 172	483 [4277] 166	177
Max. Inter.	76 [20]	78 [692] 235	244 [2160] 231		236
Theo. Torque					
	177 [1564]	354 [3129]	530 [4693]	689 [6102]	

Torque, Nm [lb-in]
Speed, RPM

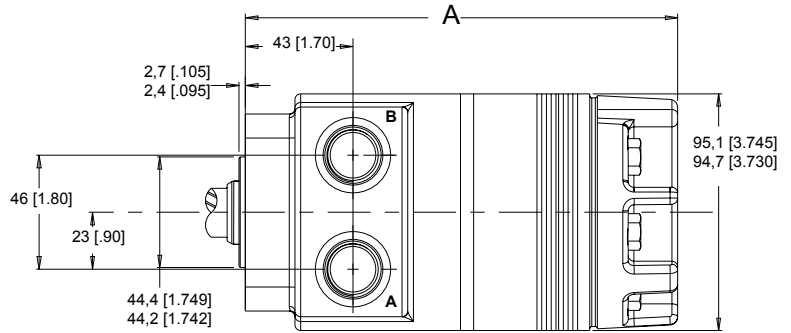
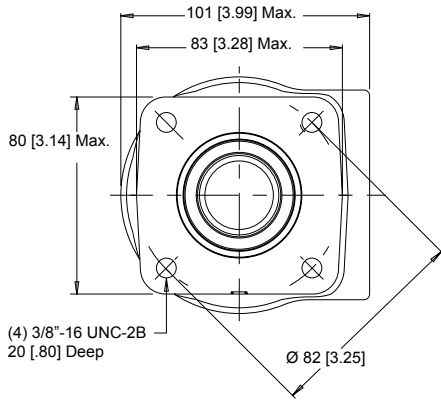
Areas within white represent maximum motor efficiencies. DO NOT operate at maximum pressure and maximum flow simultaneously. Tested at 54°C [129°F] with an oil viscosity of 46 cSt [213 SUS]. **Note:** Performance data is typical. Performance of production units varies slightly from one motor to another.



4-HOLE FLANGE, SAE A FLANGE, & WHEEL MOUNT

- F30** 4-Hole Front Ports 1/2" NPT
- F31** 4-Hole Front Ports 7/8" O-Ring

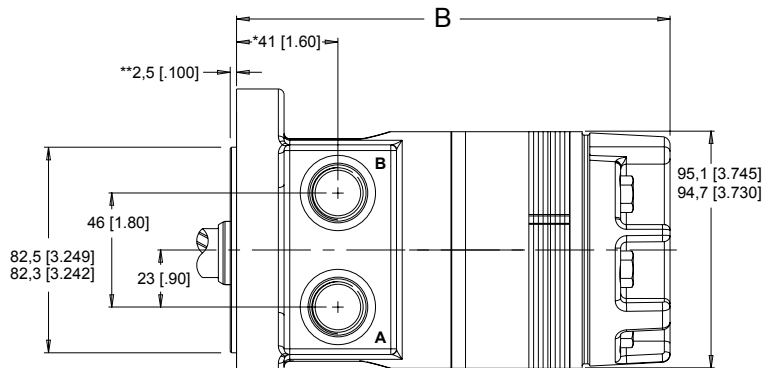
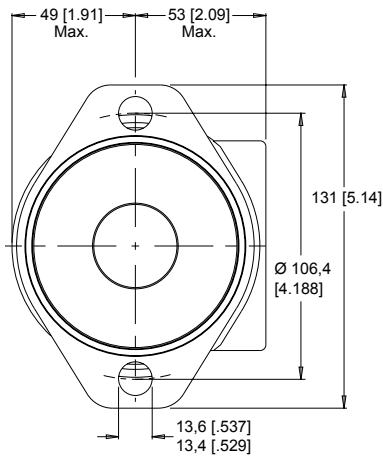
- F38** 4-Hole Front Ports 1/2" BSP.F
- F26** 4-Hole End Ports 3/4" O-Ring (See page 25 for porting dimensions.)



A is on page 40

- A10** 2-Hole Front Ports 1/2" NPT
- A11** 2-Hole Front Ports 7/8" O-Ring

- A18** 2-Hole Front Ports 1/2" BSP.F
- AD8** 2-Hole Front Ports 1/2" BSP.F with Tall Pilot
- A06** 2-Hole End Ports 3/4" O-Ring (See page 25 for porting dimensions.)

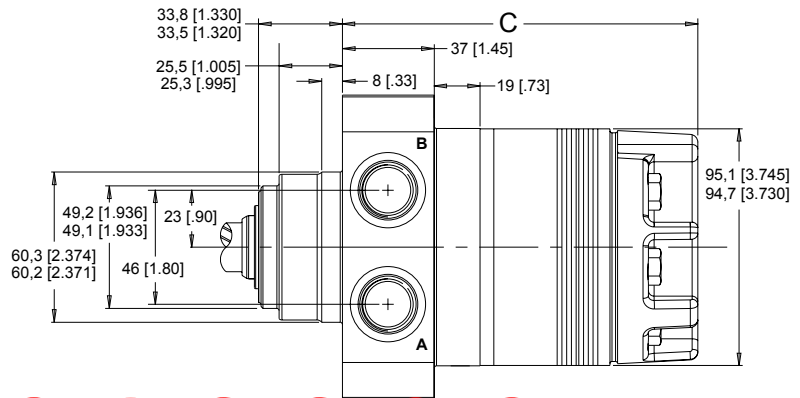
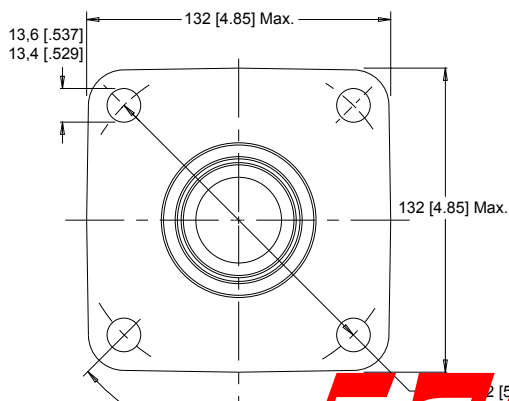


* Subtract 4.5 [1.78] to this dimension for the AD8 housing.
 ** Add 4.5 [1.78] to this dimension for the AD8 housing

B is on page 40

- W30** 4-Hole Front Ports 1/2" NPT
- W31** 4-Hole Front Ports 7/8" O-Ring

- W38** 4-Hole Front Ports 1/2" BSP.F
- W26** 4-Hole End Ports 3/4" O-Ring (See page 25 for porting dimensions.)



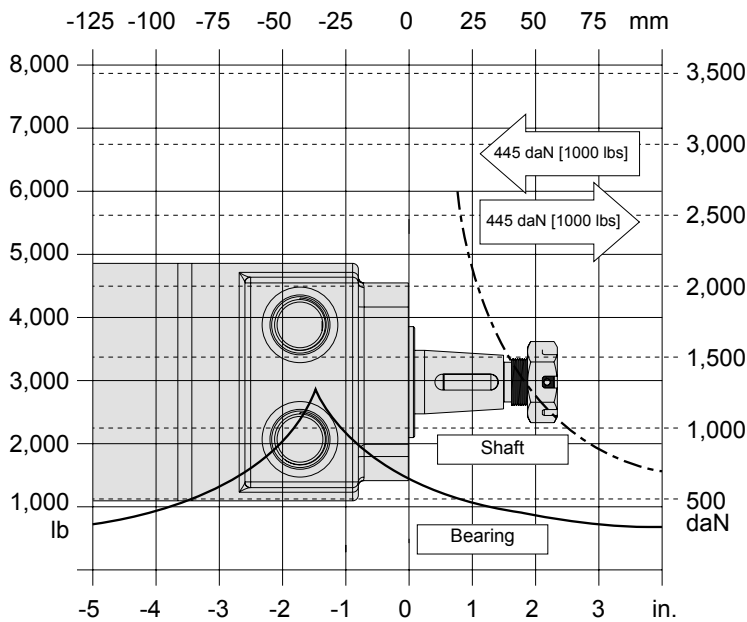
C is on page 41



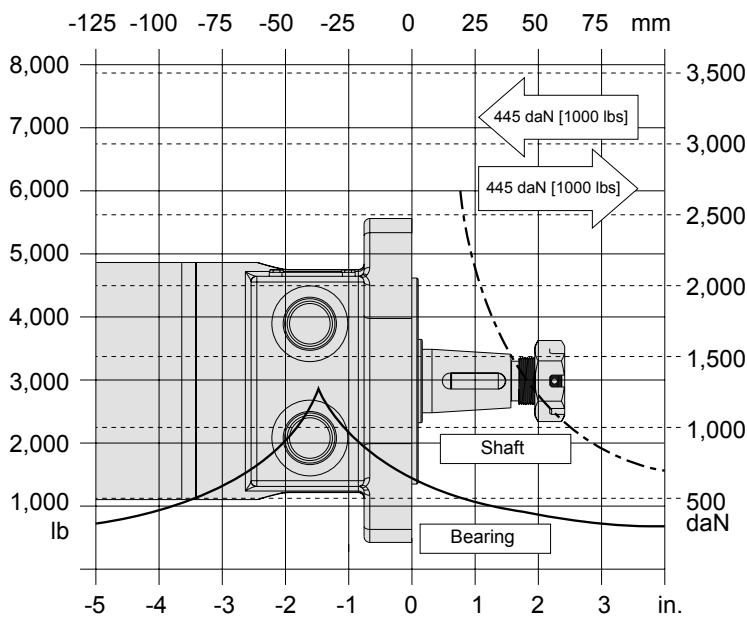
ALLOWABLE BEARING AND SHAFT LOADS

Bearing Curve: The bearing curve represents allowable bearing loads based on ISO 281 bearing capacity for an L_{10} life of 2,000 hours at 100 rpm. Radial loads for speeds other than 100 rpm may be calculated using the multiplication factor table located below.

4-HOLE



SAE A FLANGE



LENGTH AND WEIGHT TABLES

4-Hole Square Mount

Code	A mm [in]	Weight kg [lbs]
040	156 [6.16]	6,9 [15.2]
045	157 [6.19]	7,0 [15.3]
060	160 [6.31]	7,1 [15.6]
070	162 [6.38]	7,1 [15.7]
090	166 [6.52]	7,3 [16.1]
100	168 [6.62]	7,4 [16.3]
130	174 [6.84]	7,6 [16.8]
160	180 [7.09]	7,9 [17.3]
200	188 [7.39]	8,2 [18.0]
230	194 [7.63]	8,4 [18.5]
320	212 [8.34]	9,1 [20.1]

SAE A Flange

Code	B mm [in]	Weight kg [lbs]
040	156 [6.16]	7,3 [15.9]
045	157 [6.19]	7,3 [16.0]
060	160 [6.31]	7,4 [16.3]
070	162 [6.38]	7,5 [16.4]
090	166 [6.52]	7,6 [16.8]
100	168 [6.62]	7,7 [17.0]
130	174 [6.84]	8,0 [17.5]
160	180 [7.09]	8,2 [18.0]
200	188 [7.39]	8,5 [18.7]
230	194 [7.63]	8,7 [19.2]
320	212 [8.34]	9,5 [20.8]

RG motor weights vary ± 0.5 kg [1 lbs] depending upon motor configuration. Subtract 4,5 [1,178] from Dimension B for the AD8 housing.

BEARING LOAD MULTIPLICATION FACTOR TABLE

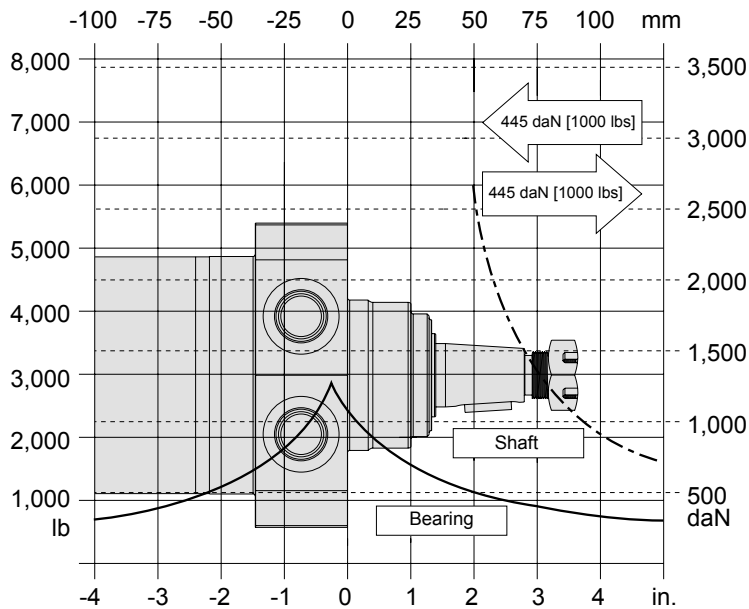
RPM	Multiplication Factor
50	1.23
100	1.00
200	0.81
300	0.72
400	0.66
500	0.62
600	0.58
700	0.56
800	0.50



ALLOWABLE BEARING AND SHAFT LOADS

Bearing Curve: The bearing curve represents allowable bearing loads based on ISO 281 bearing capacity for an L_{10} life of 2,000 hours at 100 rpm. Radial loads for speeds other than 100 rpm may be calculated using the multiplication factor table located on page 40.

WHEEL MOUNT

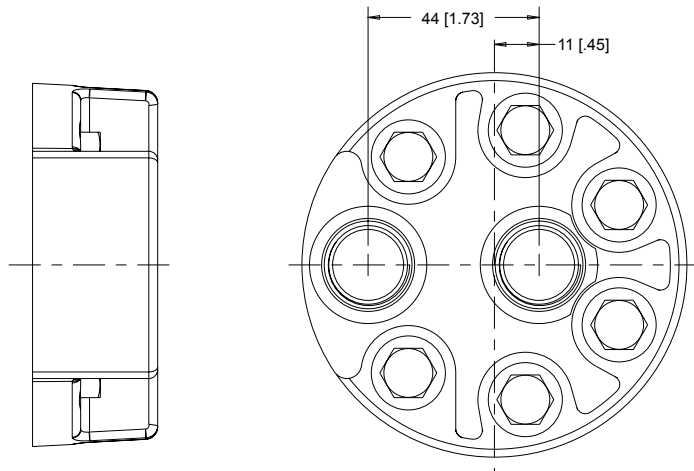


LENGTH AND WEIGHT TABLES

Wheel Mount		
Code	C mm [in]	Weight kg [lbs]
040	126 [4.93]	7,6 [16.7]
045	126 [4.95]	7,6 [16.8]
060	129 [5.07]	7,7 [17.0]
070	131 [5.15]	7,8 [17.2]
090	134 [5.29]	8,0 [17.5]
100	137 [5.39]	8,0 [17.7]
130	142 [5.61]	8,3 [18.2]
160	149 [5.86]	8,5 [18.8]
200	156 [6.16]	8,9 [19.5]
230	163 [6.40]	9,1 [20.0]
320	181 [7.11]	9,8 [21.6]

RG motor weights vary $\pm 0,5$ kg [1 lbs] depending upon motor configuration.

PORTING DIMENSIONS - REAR PORTED MOTOR

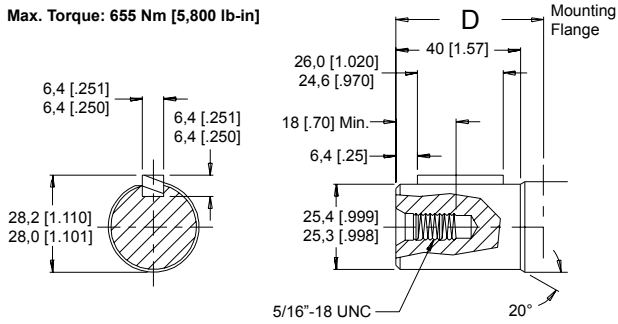


270 SERIES SHAFTS



10 1" Straight

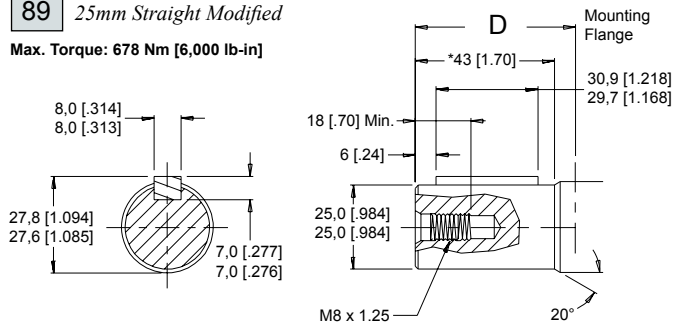
Max. Torque: 655 Nm [5,800 lb-in]



12 25mm Straight

89 25mm Straight Modified

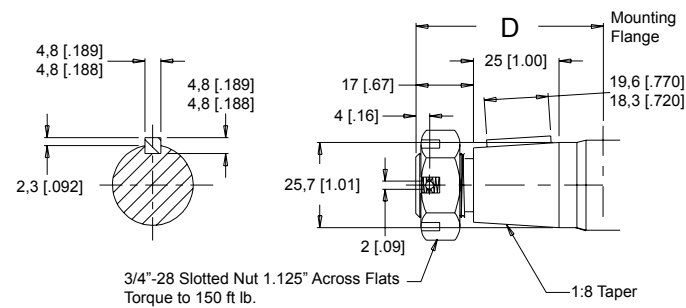
Max. Torque: 678 Nm [6,000 lb-in]



* For the 89 Shaft add 1 [.05] to this dimension.

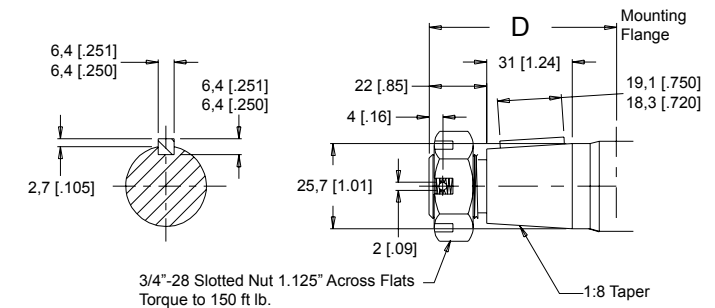
13 1" Tapered

Max. Torque: 655 Nm [5,800 lb-in]



14 1" Tapered Extended

Max. Torque: 655 Nm [5,800 lb-in]



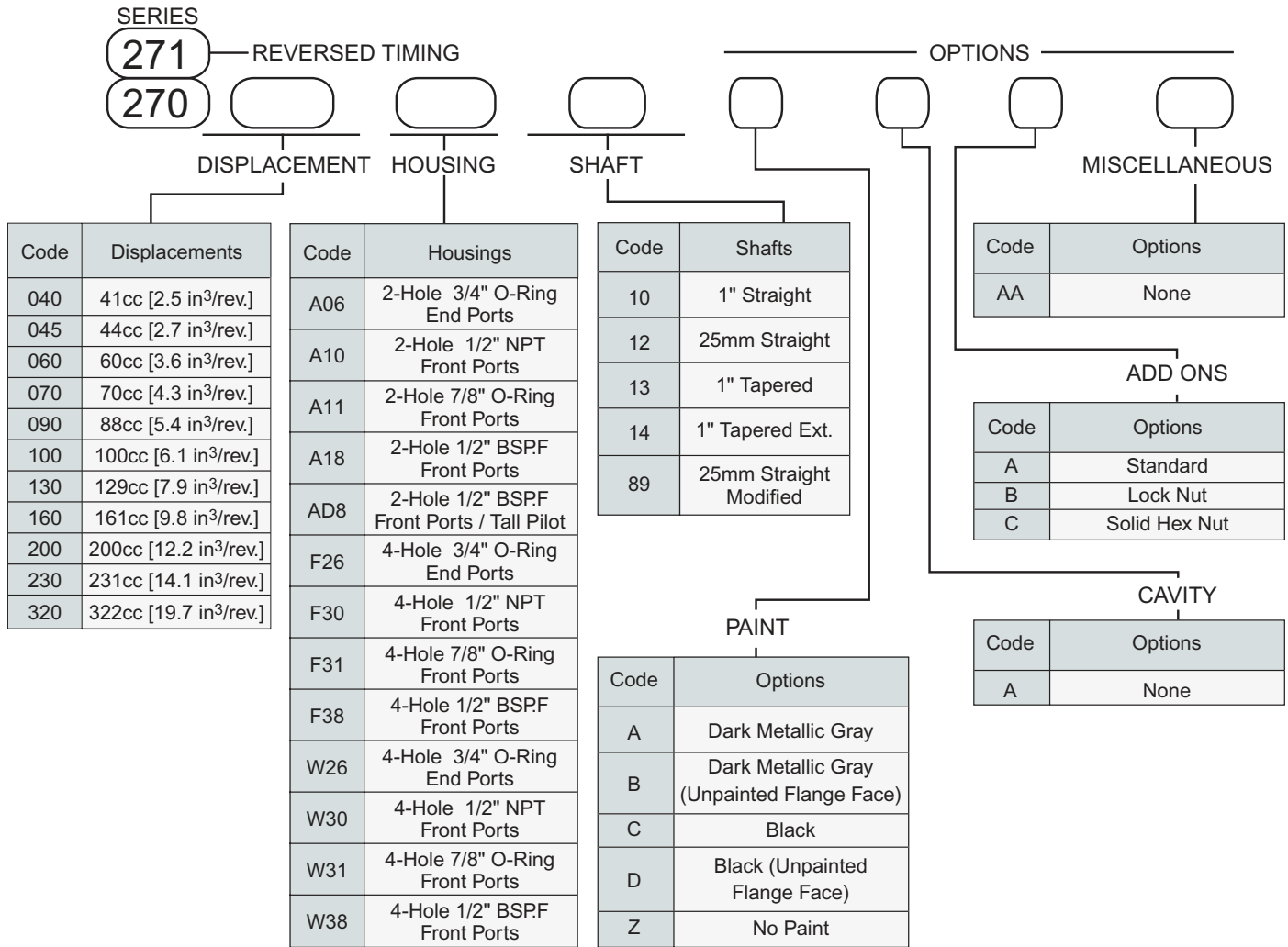
SHAFT LENGTHS

D Code	SAE A Flange mm [in]	4-Hole Flange mm [in]	Wheel Mount mm [in]
10	45 [1.77]	45 [1.77]	76 [2.99]
12	49 [1.94]	49 [1.94]	80 [3.16]
13	56 [2.20]	56 [2.20]	87 [3.43]
14	61 [2.40]	61 [2.40]	92 [3.63]
89	51 [2.00]	51 [2.00]	82 [3.22]

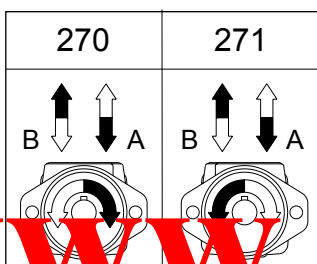


270 SERIES ORDERING INFORMATION

RG



ROTATION



For applications requiring the motor to rotate in only one direction, shaft seal life may be prolonged by pressurizing the "B" port of the motor. To obtain the desired direction of shaft rotation, use the graphic above to determine the rotation code for the motor. For bi-directional applications, the 270 series is recommended. Preferred rotation is based on rotor timing. Changing preferred direction requires no additional parts.