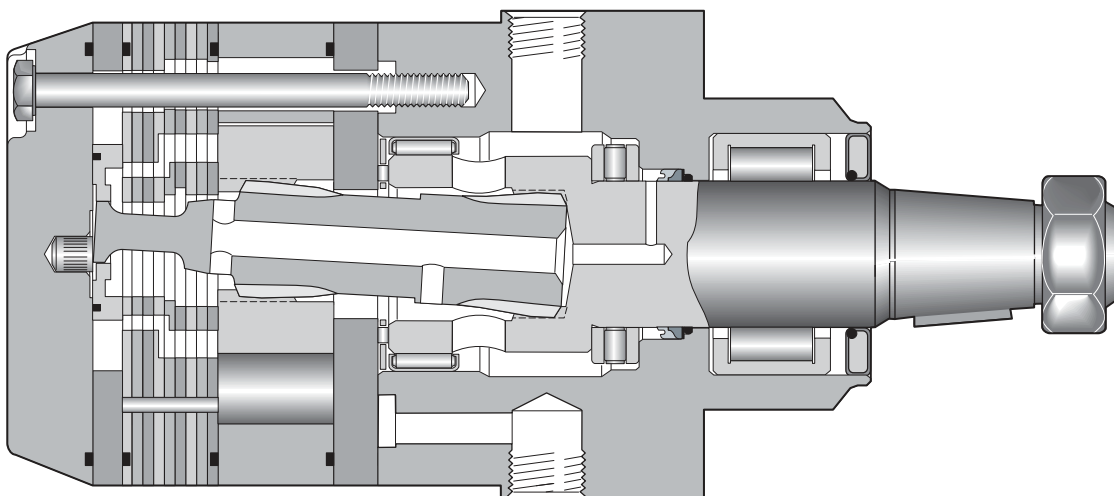


















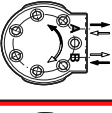
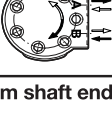


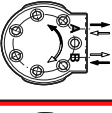
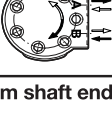










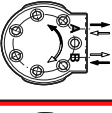
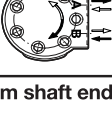


13 Displacements 13 Schluckvolumen 13 Cylindrée 13 Desplazamientos	(8.6 to 58.5 in ³ /rev) 141 . . . 959 cm ³ /rev						
Maximum Pressure Eingangsdruk Pression entrée Presion Maxima	<table border="0"> <tr> <td style="text-align: center;">Cont.</td> <td style="text-align: center;">Int.</td> </tr> <tr> <td>(3000 psid)</td> <td>(4000 psid)</td> </tr> <tr> <td>. . . 207 bar</td> <td>. . . 276 bar</td> </tr> </table>	Cont.	Int.	(3000 psid)	(4000 psid)	. . . 207 bar	. . . 276 bar
Cont.	Int.						
(3000 psid)	(4000 psid)						
. . . 207 bar	. . . 276 bar						
Maximum Oil Flow Schluckstrom Débit d'huile Caudal Maximo de Aceite	(30 gpm) . . . 114 lpm						
Maximum Speed Drehzahl Vitesse de rotation Velocidad Maxima	(660 rpm) 660 rpm						
Maximum Torque MaxDrehmoment Couple Torque Maximo	<table border="0"> <tr> <td style="text-align: center;">Cont.</td> <td style="text-align: center;">Int.</td> </tr> <tr> <td>(8,772 lb in)</td> <td>(11,876 lb in)</td> </tr> <tr> <td>991 Nm</td> <td>1342 Nm</td> </tr> </table>	Cont.	Int.	(8,772 lb in)	(11,876 lb in)	991 Nm	1342 Nm
Cont.	Int.						
(8,772 lb in)	(11,876 lb in)						
991 Nm	1342 Nm						
Maximum Side Load at Key Seitenlast Charges latérales Carga Maxima Lateral	(4800 lb) . . . 21360 N						

A Rugged Motor for Heavy Duty, High Side Load Applications

This motor was designed for tough applications. A stout drive link with unique 60:40 spline geometry will transmit over 13,000 lb-in of torque. The 1-1/2" output shaft can support 7000 pounds of radial load. Efficiency is assured by the use of roller vanes and sealed commutator. Durability is maintained by continually washing the powertrain splines and shaft seal in cooling fluid.

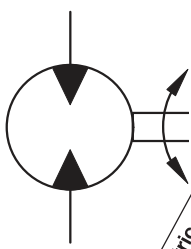


TH	XXXX	X	X	XX	0	XXXX																																																																				
Series	Displacement Schluckvolumen Cylindrée Desplazamiento	Mounting Gehäuse Carter Montaje	Ports Anschluß Plan de raccordement Lumbreras	Shaft Welle Arbre Eje	Rotation Drehrichtung Direction de rotation Rotacion	Options Opciones																																																																				
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* Requires rear porting.
 Nur Endanschluss möglich
 Exige des orifices en arriere
 Necesita lumbrera posterior

Consult factory for other available options, configurations ordering codes and lead times.

For other available options, see pages 261–262.



Motor Series TH	cm ³ /rev in ³ /rev	rev/min	cont / int* l/min g/min		cont / int* bar psid		max bar psig	cont / int* Nm lb-in		max KW HP	cont / int* Nm lb-in	
TH 0140	141 8.6	660	76 20	95 25	207 3000	276 4000	300 4350	390 3455	530 4692	33 45	315 2791	418 3706
TH 0170	169 10.3	554	76 20	95 25	207 3000	276 4000	300 4350	476 4216	646 5714	33 45	376 3331	505 4469
TH 0195	195 11.9	477	76 20	95 25	207 3000	276 4000	300 4350	556 4919	753 6663	33 45	451 3989	611 5408
TH 0240	238 14.5	393	76 20	95 25	207 3000	276 4000	300 4350	677 5991	913 8081	32 44	582 5152	776 6865
TH 0280	280 17.1	334	76 20	95 25	207 3000	276 4000	300 4350	796 7044	1073 9499	31 42	675 5972	870 7699
TH 0310	310 18.9	303	76 20	95 25	207 3000	276 4000	300 4350	964 8533	1297 11479	30 41	843 7458	1117 9889
TH 0335	337 20.6	277	76 20	95 25	207 3000	276 4000	300 4350	924 8184	1229 10817	31 41	778 6882	1005 8893
TH 0405	405 24.7	232	76 20	95 25	172 2500	241 3500	300 4350	942 8336	1342 11877	27 37	791 7002	1145 10133
TH 0475	477 29.1	237	76 20	114 30	138 2000	207 3000	300 4350	887 7853	1372 12145	28 38	740 6549	1120 9909
TH 0530	528 32.3	213	76 20	114 30	138 2000	172 2500	300 4350	983 8701	1253 11086	23 31	874 7737	1091 9657
TH 0625	623 38.0	182	76 20	114 30	121 1750	155 2250	300 4350	986 8727	1291 11424	20 27	895 7924	1165 10312
TH 0785	786 48.0	143	76 20	114 30	103 1500	138 2000	300 4350	1044 9239	1428 12636	17 23	991 8772	1341 11876
TH 0960	959 58.5	118	76 20	114 30	69 1000	103 1500	300 4350	773 6843	1268 11227	12 16	763 6752	1177 10419

Performance data based on testing using 10W40 oil with a viscosity of 200 SUS at 54° C (130° F). Performance data is typical. Actual data may vary slightly from one production motor to another.

Les données sur les performances sont basées sur des tests utilisant de l'huile 10W40 d'une viscosité de 200 SUS à 54°C (130°F). Ces données correspondent à des situations typiques. Les données réelles peuvent varier légèrement d'un moteur de production à l'autre.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskosität von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogdaten sind möglich.

Datos técnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores típicos. Los valores exactos reales podrían tener una pequeña variación entre distintos motores.

* Intermittent operation rating applies to 10% of every minute.
Intermittierende Werte maximal 10% von jeder Betriebsminute.
Fonctionnement interm. 10% max. de chaque minute d'utilisation.
Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

TH 0240

14.5 cu in / rev

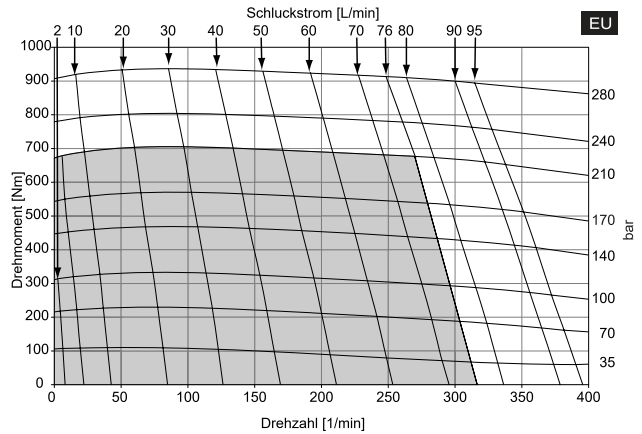
PRESSURE (PSID)

	500	1000	1500	2000	2500	3000	3500	4000
.5	932 6	1907 4	2894 2					
1	960 14	1954 12	2950 9	3943 6	4939 3	5930 2		
2	988 30	2031 27	3065 24	4090 20	5107 17	6100 14	7068 11	8037 9
3	983 45	2029 42	3071 39	4101 35	5128 31	6161 27	7182 23	8184 20
4	978 61	2037 58	3090 54	4136 49	5176 45	6207 42	7230 37	8234 33
5	962 77	2030 73	3092 69	4144 64	5190 60	6231 56	7259 51	8271 47
7	933 108	2005 104	3078 99	4141 94	5194 89	6239 84	7275 78	8298 73
9	890 140	1972 135	3048 129	4112 123	5169 117	6213 112	7245 106	8271 100
12	832 187	1912 181	2996 175	4071 167	5125 161	6163 154	7195 147	8224 140
15	753 235	1832 228	2921 220	4009 212	5081 204	6137 196	7182 188	8212 180
20	559 314	1654 306	2744 297	3834 287	4917 278	5991 268	7045 258	8081 248
25	524 393	1427 384	2507 373	3595 363	4690 352	5780 340	6853 328	7913 317

Flow (GPM)

TORQUE (LB IN) 5780
SPEED (RPM) 340

238 cc / rev



Cont.

Int.

Intermittent operation rating applies to 10% of every minute.

Fonctionnement interm. 10% max. de chaque minute d'utilisation.

Performance data based on testing using 10W40 oil with a viscosity of 200 SUS at 54° C (130° F). Performance data is typical. Actual data may vary slightly from one production motor to another.

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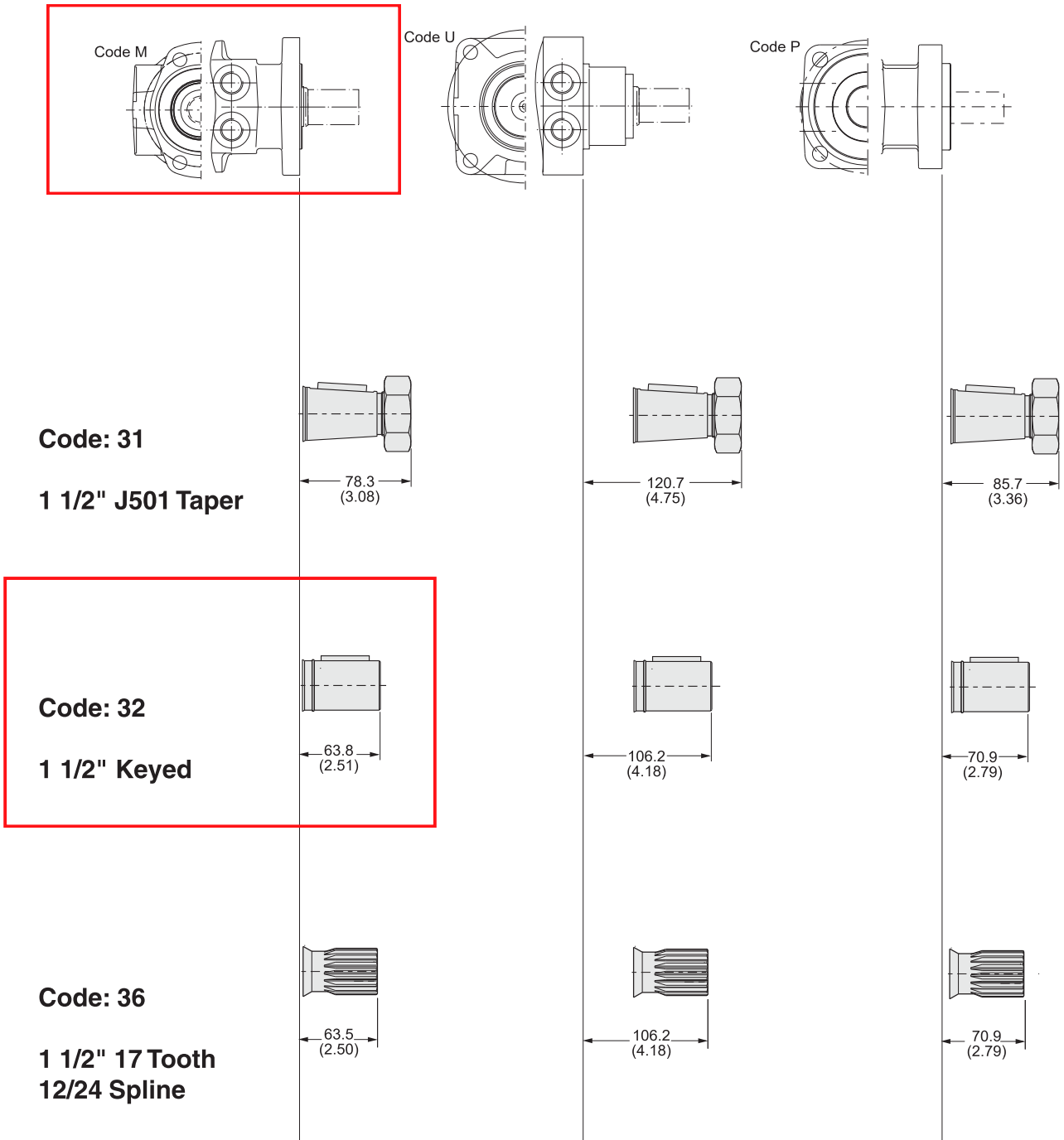
015 TH.indd, js

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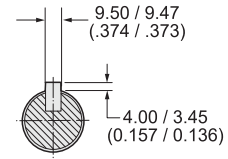
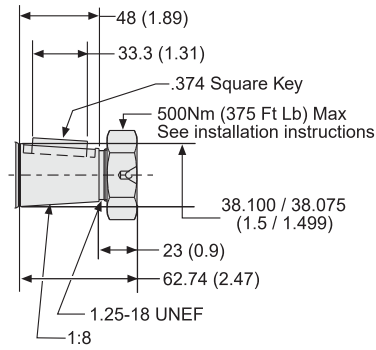


English equivalents for metric specifications are shown in ().

015 TH.indd, js

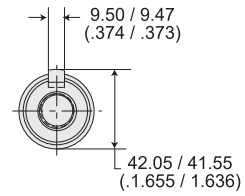
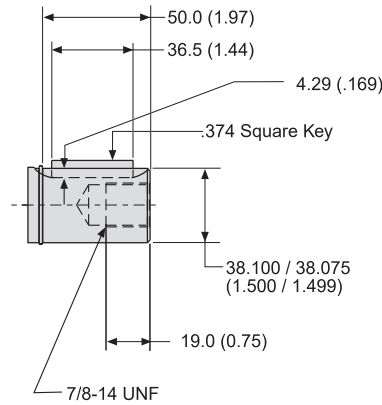
Code: 31

1 1/2" J501 Taper



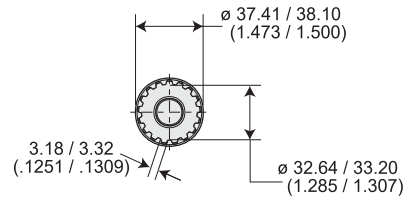
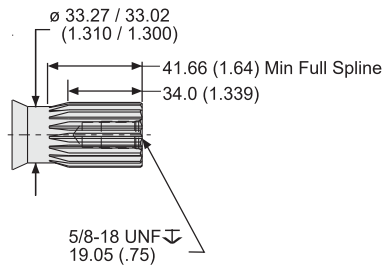
Code: 32

1 1/2" Keyed



Code: 36

1 1/2" 17 Tooth
12/24 Spline



English equivalents for metric specifications are shown in ().

015 TH.indd, js