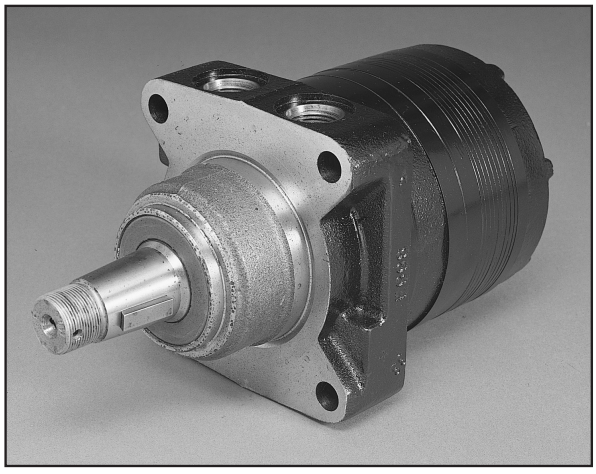
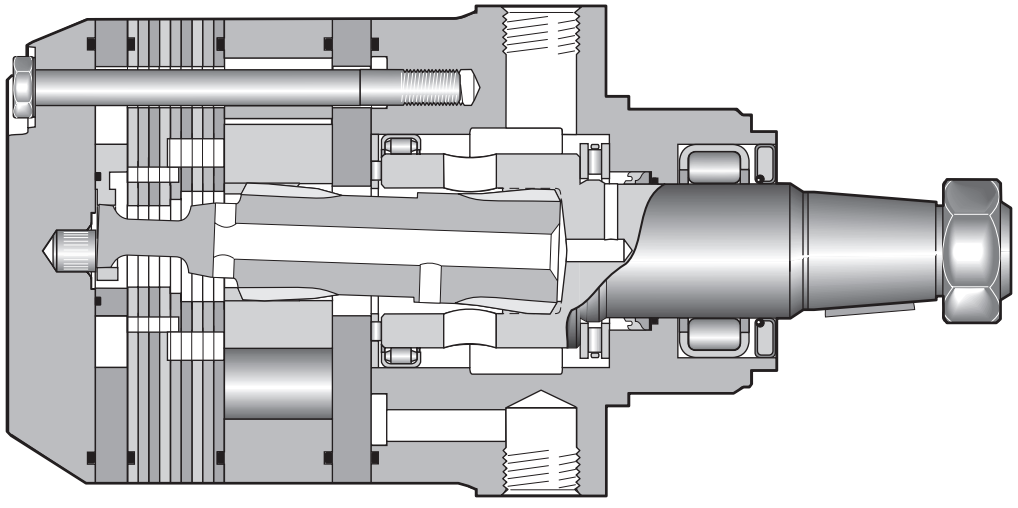
13 Displacements **13 Schluckvolumen** **13 Cylindrée** **13 Despazamientos**		(8.6 to 58.5 in³/rev) **141 . . . 959 cm³/rev**
	Cont.	**Int.**
Maximum Pressure **Eingangsdruck** **Pression entrée** **Presion Maxima**	(3000 psid) **. . . 207 bar**	(4000 psid) **. . . 276 bar**
Maximum Oil Flow **Schluckstrom** **Débit d'huile** **Caudal Maximo de Aceite**		(30 gpm) **. . . 114 lpm**
Maximum Speed **Drehzahl** **Vitesse de rotation** **Velocidad Maxima**		(660 rpm) **660 rpm**
	Cont.	**Int.**
Maximum Torque **MaxDrehmoment** **Couple** **Torque Maximo**	(9,239 lb in) **1044 Nm**	(12,636 lb in) **1428 Nm**
Maximum Side Load at Key **Seitenlast** **Charges latèrales** **Carga Maxima Lateral**		(3597 lb) **. . . 16000 N**

Exceptional Strength and Durability in a High Performance Motor

The heart of Parker's TG Series powertrain, the drive link, is an extra heavy duty part that includes unique 60:40 spline geometry. Rugged construction throughout allows the transmission of up to 13,000 lb-in of torque. The entire powertrain is continually washed in cool, high flow fluid to assure long life. Roller vanes and sealed commutator maintain high efficiency and provide smooth low speed performance.





TG — Series

XXXX — Displacement / Schluckvolumen / Cylindrée / Desplazamiento

Code	cm³/tr cm³/giro cm³/U	in³/rev
0140	141	8.6
0170	169	10.3
0195	195	11.9
0240	238	14.5
0280	280	17.1
0310	310	18.9
0335	337	20.6
0360	360	22.2
0405	405	24.7
0475	477	29.1
0530	528	32.3
0625	623	38.0
0785	786	48.0
0960	959	58.5

X — Mounting / Gehäuse / Carter / Montaje

Code	Mounting
A	SAE “A” 2 Bolt
B	SAE “B” 2 Bolt
L	Wheel, Front Brake
M	Magneto
E	Modified SAE A 6 Bolt
U	Wheel, Standard
W*	Wheel, Optional
D*	Large Wheel Mount
V*	SAE “A” 4 Bolt

*Requires rear porting

X — Ports / Anschluß / Plan de raccordement / Lumbreras

Code	Ports
A	7/8-14 SAE O-Ring; Rear Axial
B	7/8-14 SAE O-Ring; Rear Radial
E	Manifold; Rear Radial
H	ISO 6149 M22 x 1.5
M*	5/16-18 UNC Manifold
S	7/8-14 SAE

*Not available on L, U, V or W mounting.

* Requires rear porting.
Nur Endanschluss moglich
Exige des orifices en arriere
Necesita lumbrera posterior

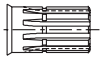
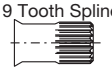
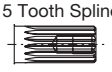
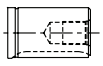
* Abtriebswelle	Ø 25mm	Max. Moment cont./int.	450/550 Nm
Coupling shaft	Ø 1 inch	Max. torque cont./int.	
Arbre	6B SAE	Couple maxi cont./int.	
Eje de acople		Coppia max cont./int.	

Ordering Information / Bestellschlüssel
System de Commande / Imformacion para pedidos

LSHT Torqmotors™ and Nichols™ Motors
TG Series / Serie / Série HY13-1590-010/US,EU

XX

Shaft
Welle
Arbre
Eje

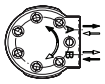
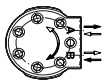
Code	Shaft
01*	1" 6B Spline 
02*	1" Keyed 
03	1 1/4" Keyed 
04	10B Spline 
05	1 1/4" 14 Tooth Spline 
06	19 Tooth Spline 
07	15 Tooth Spline 
08	1 1/4" Tapered 
19	1 3/8" J501 Taper 
20	1 3/8" Keyed 
46	32 mm Keyed 
62*	1 1/4" 14 Tooth Spline SAE 

* Conforms to SAE recommended length

0

Rotation
Drehrichtung
Direction de rotation
Rotacion

Code	Rotation
0	Standard 
1	Reverse Timed Manifold 

Code	Rear Rotation
0	Standard 
1	Reverse Timed Manifold 

Rotation viewed from shaft end.

XXXX

Options
Opciones

Code	Options
AAAA	Standard, Black Paint
AAAB	Standard, No Paint
AAAC	Double Paint
AAAF[15]	Castle Nut, Black Paint
AABP[15]	Castle Nut, No Paint
AAAG	Fluorocarbon Seals, Black Paint
AAAH	Fluorocarbon Seals, No Paint
AAAJ	High Temperature Commutator Seals, Black Paint
AAFG	High Temperature Commutator Seals, No Paint
AAFW	Fluorocarbon seals, High Temperature Commutator Seals, Black paint
AAFA	Fluorocarbon seals, High Temperature Commutator Seals, No paint
AANG[15]	Fluorocarbon seals, High Temperature Commutator Seals, Castle Nut, Black paint
AADD[15]	Fluorocarbon seals, High Temperature Commutator Seals, Castle Nut, No paint
AABJ	Free Running Rotor Set, Black Paint
AABK	Free Running Rotor Set, No Paint
AABL	Free Running Rotor Set, No Commutator Seal, Black Paint
AABM	Free Running Rotor Set, No Commutator Seal, No Paint
BBBA[10]	1000 PSI/69 Bar Internal Bidirectional Relief, Black Paint
BBBM[10]	1000 PSI/69 Bar Internal Bidirectional Relief, No Paint
BBBG[10]	1500 PSI/103 Bar Internal Bidirectional Relief, Black Paint
BBBJ[10]	1500 PSI/103 Bar Internal Bidirectional Relief, No Paint
BBBB[10,18]	2000 PSI/138 Bar Internal Bidirectional Relief, Black Paint
BBBN[10,18]	2000 PSI/138 Bar Internal Bidirectional Relief, No Paint
BBDL[10,17]	2500 PSI/172 Bar Internal Bidirectional Relief, Black Paint
BBCG[10,17]	2500 PSI/172 Bar Internal Bidirectional Relief, No Paint
BBBC[10,18]	3000 PSI/207 Bar Internal Bidirectional Relief, Black Paint
BBBF[10,18]	3000 PSI/207 Bar Internal Bidirectional Relief, No Paint
BBBD[10,19]	4000 PSI/276 Bar Internal Bidirectional Relief, Black Paint
BBBW[10,19]	4000 PSI/276 Bar Internal Bidirectional Relief, No Paint
FSAA	Speed Sensor, Black Paint
FSAB	Speed Sensor, No Paint
AAAT[10]	Bidirectional Shuttle, 11:00, Black Paint
AAFX[10]	Bidirectional Shuttle, 11:00, No Paint
AAAU[10,15]	Bidirectional Shuttle, 11:00, Castle Nut, Black Paint
AAGF[10,15]	Bidirectional Shuttle, 11:00, Castle Nut, No Paint
AAUY	Nickel Plated Except Shaft

For other available options, see pages 237–238.

[15] Available only with shaft codes 08 and 19
[10] Not available with ports code A, B or E
[16] Not available with displacement 0960
[17] Not available with displacements 0625, 0785 or 0960
[18] Not available with displacements 0530, 0625, 0785 or 0960
[19] Not available with displacements 0360, 0405, 0530, 0625, 0785 or 0960

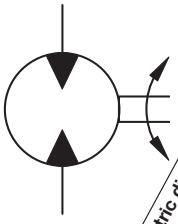
011 TG.indd, js

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Performance Data / Leistungsdaten
Puissance / Datos Tecnicos

LSHT Torqmotors™ and Nichols™ Motors
TG Series / Serie / Série HY13-1590-010/US,EU



Motor Series TG	Geometric displacement cm³/rev in³/rev	Max. speed @ Max. intermittent flow Max. Drehzahl Intermittierender Betrieb: Vitesse de rotation maxi Velocidad maxima a caudal intermitente maximo rev/min	Max. oil flow cont / int* l/min g/min		Max. differential pressure cont / int* bar psid		Max. supply pressure max bar psig	Max. torque cont / int* Nm lb-in		Max. performance max KW HP	Min. starting torque cont / int* Nm lb-in	
TG 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
TG 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
TG 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
TG 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
TG 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
TG 0310	**310** 18.9	303	**76** 20	**95** 25	**207** 3000	**276** 4000	**300** 4350	**924** 8184	**1229** 10817	**31** 41	**778** 6882	**1005** 8893
TG 0335	**337** 20.6	277	**76** 20	**95** 25	**207** 3000	**276** 4000	**300** 4350	**964** 8533	**1297** 11479	**30** 41	**843** 7458	**1117** 9889
TG 0360	**360** 22.2	259	**76** 20	**95** 25	**172** 2500	**241** 3500	**300** 4350	**894** 7913	**1254** 11093	**29** 39	**703** 6224	**1017** 9007
TG 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
TG 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
TG 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
TG 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
TG 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
TG 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 donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalog-daten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de visco-sidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion 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.

011 TG.indd, js

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TG 0140

8.6 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500	4000
.5	519 **9**	1060 **4**						
1	540 **22**	1090 **17**	1635 **11**	2180 **6**				
2	569 **49**	1156 **43**	1730 **36**	2286 **30**	2827 **23**	3368 **19**	3899 **12**	4447 **12**
3	565 **75**	1159 **69**	1744 **62**	2321 **55**	2899 **47**	3477 **40**	4048 **33**	4608 **29**
4	564 **102**	1170 **94**	1768 **87**	2358 **80**	2943 **72**	3517 **64**	4082 **57**	4644 **52**
5	556 **128**	1170 **120**	1776 **112**	2375 **105**	2968 **97**	3556 **89**	4135 **81**	4701 **76**
7	540 **182**	1160 **172**	1779 **164**	2390 **155**	2994 **146**	3592 **138**	4181 **130**	4763 **123**
9	515 **235**	1143 **225**	1768 **215**	2385 **206**	2996 **196**	3601 **187**	4199 **179**	4794 **171**
12	471 **315**	1096 **303**	1729 **292**	2356 **281**	2974 **271**	3587 **261**	4193 **252**	4794 **243**
15	418 **395**	1042 **381**	1673 **368**	2307 **357**	2933 **346**	3549 **336**	4163 **325**	4771 **314**
20	299 **528**	931 **512**	1565 **497**	2198 **484**	2825 **472**	3455 **459**	4078 **447**	4692 **435**
25	173 **660**	794 **643**	1426 **626**	2059 **612**	2695 **598**	3332 **583**	3961 **569**	4579 **555**

TORQUE (LB IN) 3961
SPEED (RPM) 569

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0170

10.3 cu in / rev

PRESSURE (PSID)

	500	1000	1500	2000	2500	3000	3500	4000
.5	620 **9**	1284 **7**	1945 **5**	2613 **4**	3293 **3**	3983 **2**		
1	652 **20**	1337 **18**	2006 **16**	2683 **14**	3375 **12**	4063 **11**	4744 **8**	5402 **8**
2	678 **42**	1390 **40**	2105 **37**	2822 **35**	3535 **32**	4226 **30**	4909 **27**	5587 **25**
3	678 **64**	1397 **61**	2117 **58**	2836 **56**	3554 **53**	4263 **50**	4963 **46**	5652 **44**
4	679 **86**	1409 **83**	2142 **80**	2872 **77**	3596 **74**	4310 **71**	5021 **67**	5716 **64**
5	675 **108**	1413 **104**	2150 **101**	2885 **98**	3616 **94**	4339 **91**	5057 **87**	5761 **83**
7	661 **153**	1405 **148**	2152 **143**	2900 **140**	3642 **136**	4374 **132**	5101 **127**	5818 **123**
9	632 **197**	1385 **191**	2140 **186**	2891 **181**	3638 **177**	4380 **173**	5114 **168**	5838 **163**
12	583 **263**	1334 **256**	2096 **250**	2860 **244**	3617 **239**	4362 **234**	5101 **228**	5823 **223**
15	524 **330**	1275 **322**	2035 **314**	2804 **308**	3572 **302**	4327 **296**	5070 **289**	5801 **283**
20	382 **442**	1143 **432**	1908 **422**	2683 **413**	3455 **406**	4216 **399**	4972 **391**	5714 **383**
25	239 **554**	983 **543**	1747 **531**	2523 **520**	3299 **511**	4071 **501**	4839 **492**	5591 **483**

Flow (GPM)

TORQUE (LB IN) 4839
SPEED (RPM) 492

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0195

11.9 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500	4000
.5	733 **7**	1503 **3**						
1	761 **16**	1546 **13**	2326 **8**	3104 **3**				
2	799 **35**	1638 **32**	2465 **27**	3270 **21**	4046 **16**	4813 **11**	5589 **7**	6375 **6**
3	794 **55**	1639 **50**	2476 **45**	3303 **39**	4132 **34**	4970 **28**	5792 **23**	6595 **19**
4	794 **74**	1654 **69**	2509 **64**	3356 **58**	4196 **52**	5023 **46**	5830 **40**	6635 **35**
5	783 **93**	1653 **88**	2517 **83**	3375 **76**	4224 **70**	5065 **64**	5895 **58**	6710 **52**
7	762 **131**	1637 **126**	2514 **120**	3384 **113**	4245 **106**	5098 **99**	5940 **92**	6772 **86**
9	731 **170**	1616 **164**	2499 **157**	3373 **150**	4239 **142**	5093 **135**	5936 **127**	6774 **120**
12	677 **228**	1562 **221**	2455 **213**	3343 **205**	4217 **196**	5081 **188**	5934 **179**	6776 **172**
15	613 **285**	1498 **278**	2389 **269**	3283 **260**	4169 **251**	5040 **242**	5907 **232**	6765 **233**
20	448 **381**	1350 **373**	2245 **363**	3141 **353**	4031 **342**	4919 **331**	5798 **321**	6663 **310**
25	334 **477**	1158 **468**	2044 **457**	2941 **445**	3837 **433**	4729 **421**	5612 **409**	6500 **397**

TORQUE (LB IN) 5612
SPEED (RPM) 409

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 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)

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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0280

17.1 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500	4000
.5	1056 **5**	2177 **4**	3323 **2**	4512 **1**				
1	1087 **12**	2223 **10**	3378 **8**	4552 **6**	5734 **5**	6930 **3**	8135 **3**	9350 **2**
2	1124 **25**	2313 **23**	3513 **21**	4700 **18**	5880 **16**	7060 **14**	8239 **12**	9400 **11**
3	1124 **39**	2323 **36**	3532 **34**	4740 **31**	5940 **28**	7143 **25**	8346 **22**	9536 **19**
4	1126 **52**	2346 **49**	3568 **47**	4786 **43**	6004 **40**	7214 **37**	8415 **33**	9596 **30**
5	1115 **65**	2350 **62**	3582 **59**	4816 **56**	6044 **52**	7256 **49**	8457 **45**	9641 **41**
7	1091 **92**	2338 **88**	3586 **85**	4832 **80**	6072 **76**	7301 **72**	8515 **67**	9706 **63**
9	1046 **118**	2309 **114**	3564 **110**	4811 **105**	6051 **101**	7280 **96**	8499 **90**	9707 **85**
12	981 **159**	2242 **154**	3506 **148**	4757 **143**	5992 **137**	7221 **132**	8444 **125**	9652 **118**
15	898 **199**	2164 **193**	3437 **186**	4702 **180**	5951 **174**	7187 **168**	8416 **160**	9625 **152**
20	691 **266**	1976 **258**	3255 **250**	4529 **243**	5795 **235**	7044 **227**	8275 **218**	9499 **209**
25	703 **334**	1726 **324**	2987 **314**	4260 **305**	5540 **296**	6815 **286**	8071 **276**	9311 **267**

TORQUE (LB IN) 8071
SPEED (RPM) 276

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0310

18.9 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500	4000
.5	1188 **4**	2464 **3**	3766 **2**	5102 **1**				
1	1220 **11**	2508 **9**	3812 **7**	5145 **5**	6477 **4**	7822 **2**	9181 **2**	10530 **1**
2	1259 **23**	2598 **21**	3950 **19**	5298 **17**	6642 **14**	7972 **13**	9282 **10**	10574 **9**
3	1257 **35**	2606 **33**	3889 **30**	5332 **28**	6688 **25**	8044 **22**	9392 **19**	10693 **16**
4	1259 **47**	2628 **44**	4003 **42**	5377 **39**	6749 **36**	8114 **33**	9461 **29**	10780 **26**
5	1247 **59**	2629 **56**	4252 **52**	5401 **50**	6782 **47**	8149 **42**	9499 **39**	10823 **35**
7	1218 **84**	2614 **80**	4013 **76**	5413 **72**	6806 **68**	8184 **64**	9543 **60**	10874 **56**
9	1167 **107**	2574 **103**	3983 **99**	5386 **94**	6780 **90**	8162 **85**	9529 **80**	10877 **75**
12	1089 **143**	2493 **139**	3904 **133**	5308 **128**	6696 **122**	8075 **117**	9443 **110**	10793 **102**
15	995 **180**	2400 **173**	3817 **167**	5225 **160**	6621 **154**	8003 **148**	9371 **140**	10718 **131**
20	769 **241**	2194 **234**	3618 **225**	5043 **218**	6462 **210**	7863 **203**	9238 **194**	10588 **183**
25	626 **303**	1955 **294**	3359 **284**	4771 **274**	6251 **265**	7608 **256**	8998 **246**	10360 **236**

TORQUE (LB IN) 7608
SPEED **(RPM)** **256**

☒ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0335

20.6 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500	4000
.5	1297 **4**	2699 **3**	4128 **1**	5584 **1**				
1	1329 **10**	2741 **8**	4176 **7**	5630 **5**	7084 **4**	8551 **2**	10036 **2**	11496 **1**
2	1369 **21**	2832 **19**	4308 **17**	5787 **15**	7265 **13**	8718 **11**	10136 **9**	11534 **8**
3	1366 **32**	2838 **30**	4326 **27**	5817 **25**	7301 **22**	8781 **20**	10248 **17**	11685 **14**
4	1368 **43**	2858 **40**	4358 **38**	5861 **35**	7358 **32**	8850 **29**	10317 **25**	11748 **22**
5	1355 **54**	2858 **51**	4368 **48**	5880 **45**	7386 **42**	8880 **38**	10352 **34**	11791 **30**
7	1323 **76**	2840 **73**	4363 **69**	5888 **65**	7407 **61**	8908 **57**	10384 **53**	11829 **47**
9	1266 **98**	2791 **94**	4326 **90**	5856 **85**	7376 **81**	8884 **76**	10372 **71**	11834 **64**
12	1177 **131**	2698 **127**	4230 **121**	5759 **116**	7273 **110**	8773 **105**	10261 **98**	11726 **90**
15	1075 **165**	2594 **159**	4127 **153**	5654 **146**	7170 **140**	8670 **134**	10153 **126**	11613 **116**
20	833 **221**	2372 **214**	3915 **205**	5463 **197**	7008 **189**	8533 **182**	10026 **173**	11479 **161**
25	678 **277**	2142 **269**	3663 **259**	5189 **248**	6726 **239**	8257 **230**	9757 **219**	11219 **209**

TORQUE (LB IN) 8257
SPEED **(RPM)** **230**

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0360

360 cm³ / rev (22.2 in³ / rev)

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500
.5	1386 **4**	2883 **3**	4410 **1**	5965 **1**			
1	1420 **9**	2928 **7**	4461 **7**	6014 **5**	7567 **4**	9135 **2**	10721 **2**
2	1462 **20**	3025 **18**	4602 **16**	6182 **14**	7761 **12**	9313 **10**	10828 **8**
3	1459 **30**	3031 **28**	4621 **25**	6214 **23**	7799 **21**	9380 **19**	10947 **16**
4	1461 **40**	3053 **37**	4655 **36**	6261 **33**	7884 **30**	9454 **27**	11021 **23**
5	1447 **51**	3053 **48**	4666 **45**	6281 **42**	7890 **39**	9486 **36**	11059 **32**
7	1413 **71**	3034 **68**	4661 **65**	6290 **61**	7913 **57**	9516 **53**	11093 **50**
9	1352 **92**	2981 **88**	4621 **84**	6256 **80**	7879 **76**	9490 **71**	11080 **66**
12	1257 **123**	2882 **119**	4519 **113**	6152 **109**	7769 **103**	9372 **98**	10961 **92**
15	1148 **154**	2771 **149**	4409 **143**	6040 **137**	7659 **131**	9262 **125**	10846 **118**
20	890 **207**	2534 **200**	4182 **192**	5836 **184**	7486 **177**	9115 **170**	10710 **162**
25	724 **259**	2288 **252**	3913 **242**	5543 **232**	7185 **224**	8821 **215**	10423 **205**

TORQUE (LB IN) 8821
SPEED (RPM) 215

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto. Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0405

24.7 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000	3500
.5	1544 **4**	3178 **3**	4840 **2**	6515 **1**	8185 **1**		
1	1593 **8**	3256 **7**	4928 **6**	6607 **6**	8303 **5**	9987 **4**	11652 **3**
2	1636 **17**	3351 **16**	5084 **15**	6817 **14**	8550 **13**	10272 **12**	11978 **11**
3	1637 **27**	3365 **25**	5106 **23**	6847 **22**	8588 **21**	10314 **19**	12031 **18**
4	1645 **36**	3394 **34**	5159 **32**	6920 **30**	8668 **29**	10402 **27**	12130 **26**
5	1640 **45**	3408 **43**	5201 **41**	6983 **39**	8733 **37**	10466 **35**	12194 **33**
7	1606 **64**	3396 **61**	5211 **59**	7003 **56**	8772 **54**	10527 **51**	12271 **49**
9	1551 **82**	3350 **80**	5176 **77**	6981 **73**	8763 **70**	10519 **67**	12269 **64**
12	1428 **110**	3238 **107**	5075 **103**	6888 **99**	8670 **95**	10424 **91**	12172 **88**
15	1310 **138**	3112 **135**	4948 **130**	6759 **125**	8545 **120**	10306 **115**	12060 **111**
20	1136 **185**	2862 **181**	4692 **175**	6518 **168**	8336 **162**	10122 **156**	11877 **151**
25			4492 **219**	6303 **212**	8084 **204**	9848 **197**	11585 **190**

TORQUE (LB IN) 9848
SPEED (RPM) 197

☒ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto. Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0475

29.1 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500	3000
.5	1768 **3**	3732 **3**	5733 **2**	7744 **1**	9762 **1**	
1	1868 **7**	3878 **7**	5879 **6**	7851 **5**	9838 **4**	11830 **3**
2	1964 **15**	4055 **14**	6180 **14**	8237 **12**	10241 **10**	12136 **8**
3	1972 **23**	4074 **22**	6208 **21**	8321 **19**	10379 **17**	12355 **13**
4	2005 **31**	4135 **30**	6287 **29**	8382 **27**	10463 **24**	12496 **20**
5	2004 **39**	4129 **38**	6304 **37**	8428 **34**	10514 **31**	12544 **26**
7	1990 **55**	4133 **54**	6308 **52**	8445 **50**	10555 **45**	12602 **40**
9	1924 **70**	4104 **69**	6285 **68**	8430 **65**	10528 **60**	12608 **54**
12	1775 **94**	3974 **93**	6157 **91**	8328 **87**	10446 **82**	12528 **75**
15	1619 **118**	3784 **116**	5990 **114**	8188 **110**	10311 **104**	12372 **96**
20	1314 **157**	3373 **156**	5629 **153**	7853 **149**	10038 **141**	12145 **132**
25	1141 **197**	3029 **196**	5220 **193**	7427 **189**	9629 **182**	11757 **174**
30	606 **237**	2505 **236**	4649 **233**	6766 **230**	8878 **224**	10989 **219**

TORQUE (LB IN) 6766
SPEED (RPM) 230

☒ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0530

32.2 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000	2500
.5	2080 **3**	4256 **3**	6479 **2**	8726 **2**	11012 **1**
1	2158 **7**	4372 **6**	6592 **6**	8779 **5**	10994 **4**
2	2246 **14**	4567 **13**	6869 **12**	9126 **11**	11376 **9**
3	2242 **21**	4578 **20**	6916 **19**	9237 **17**	11500 **14**
4	2253 **28**	4625 **27**	6977 **25**	9296 **23**	11586 **20**
5	2235 **35**	4629 **34**	7002 **32**	9333 **29**	11626 **26**
7	2182 **49**	4599 **48**	7006 **46**	9362 **42**	11659 **38**
9	2095 **63**	4535 **62**	6960 **59**	9330 **55**	11650 **50**
12	1943 **85**	4390 **83**	6825 **80**	9217 **75**	11549 **69**
15	1753 **106**	4199 **104**	6638 **100**	9052 **95**	11408 **87**
20	1327 **141**	3783 **139**	6262 **135**	8701 **129**	11086 **120**
25	1011 **177**	3300 **175**	5751 **171**	8210 **165**	10639 **158**
30	269 **213**	2698 **211**	5083 **208**	7415 **203**	9814 **197**

TORQUE (LB IN) 9814
SPEED (RPM) 197

■ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto. Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0625

38.0 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	1750	2250
.5	1939 **2**	4593 **1**			
1	2087 **5**	4665 **3**	7283 **2**	8680 **2**	11579 **1**
2	2338 **11**	4991 **9**	7590 **8**	8853 **7**	11458 **5**
3	2386 **17**	5101 **15**	7753 **13**	9055 **12**	11689 **9**
4	2457 **23**	5202 **21**	7872 **19**	9174 **17**	11769 **14**
5	2479 **29**	5246 **27**	7943 **25**	9242 **23**	11821 **18**
7	2464 **41**	5273 **39**	7995 **36**	9306 **34**	11859 **28**
9	2401 **53**	5223 **51**	7993 **48**	9337 **45**	11935 **39**
12	2254 **71**	5092 **69**	7886 **65**	9239 **62**	11900 **54**
15	2052 **89**	4901 **87**	7721 **83**	9086 **80**	11763 **70**
20	1600 **120**	4490 **117**	7334 **112**	8725 **109**	11424 **98**
25	1063 **151**	3933 **148**	6818 **144**	8235 **140**	11021 **131**
30	359 **182**	3250 **180**	6074 **176**	7443 **172**	10179 **165**

TORQUE (LB IN) 7443
SPEED (RPM) 172

☒ 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.

Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto. Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

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TG 0785

48.0 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500	2000
.5	2910 **2**	6153 **2**	9607 **1**	12950 **1**
1	3011 **4**	6296 **4**	9670 **3**	12919 **3**
2	3217 **9**	6536 **8**	9935 **7**	13060 **6**
3	3220 **14**	6613 **13**	9977 **11**	13079 **9**
4	3265 **19**	6679 **17**	10021 **15**	13078 **13**
5	3263 **23**	6703 **22**	10047 **19**	13103 **16**
7	3218 **33**	6722 **31**	10068 **28**	13062 **24**
9	3107 **43**	6664 **41**	10108 **36**	13185 **31**
12	2892 **57**	6489 **55**	9959 **49**	13082 **42**
15	2643 **71**	6238 **69**	9733 **62**	12938 **54**
20	2044 **95**	5673 **92**	9239 **85**	12636 **75**
25	2313 **119**	4976 **117**	8571 **110**	12073 **101**
30	496 **143**	4104 **141**	7582 **137**	11024 **130**

TORQUE (LB IN) 11024
SPEED (RPM) 130

TG 0960

58.5 cu in / rev

PRESSURE (PSID)

Flow (GPM)	500	1000	1500
.5	3692 **2**	7712 **1**	11750 **1**
1	3788 **3**	7858 **3**	11895 **3**
2	3900 **7**	8045 **7**	12058 **6**
3	3905 **11**	8078 **11**	12135 **10**
4	3939 **15**	8155 **14**	12210 **13**
5	3923 **19**	8173 **18**	12238 **17**
7	3860 **27**	8160 **26**	12262 **24**
9	3733 **35**	8074 **34**	12224 **31**
12	3475 **47**	7848 **45**	12062 **42**
15	3149 **58**	7545 **57**	11823 **53**
20	2437 **78**	6843 **76**	11227 **72**
25	2969 **98**	5990 **96**	10360 **92**
30	603 **118**	4919 **117**	9170 **113**

TORQUE (LB IN) 9170
SPEED (RPM) 113

☐ 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.

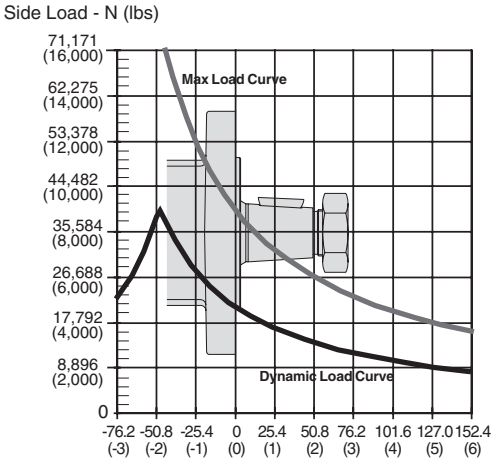
Les donnees sur les performances sont basees sur des tests utilisant de l'huile 10W40 d'une viscosite de 200 SUS a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.

Capacidad de funcionamiento intermitente valida para 10% por cada minuto. Leistungsdaten sind gemessen mit SAE 10W40 bei einer Viskositaet von 43,1 Cst bei 54°C. Geringfuegige Abweichungen von den Katalogdaten sind moeglich.

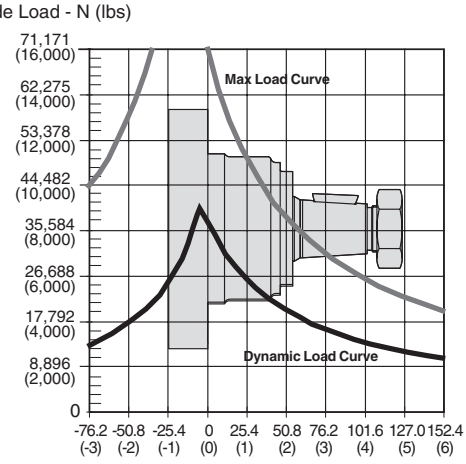
Datos tecnicos obtenidos con aceite 10W40 de 200 SUS de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipcos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

Flange Mount / Standardgehäuse
Monture à bride(s) / Montaje de brida



The dynamic side load curve is based on uni-directional steady state loads for L_{10} bearing life at 3 x 10^6 revolutions.
Die zulässige auslegbare radiale Wellenbelastungskurve ist unter ruhenden, einseitig statisch gerichteten Lastverhältnissen auf eine L_{10} Lebensdauer mit 3 x 10^6 Umdrehungen kalkuliert.
La courbe de charge latérale permise se base sur des charges unidirectionnelles en régime permanent pour le roulement L_{10} à 3 x 10^6 révolutions.
La curva de valores admisibles de carga lateral está basada en cargas constantes para cojinetes L_{10} a 3 x 10^6 revoluciones.

Wheel Mount / Radnabengehäuse
Monture à roue/ Montaje de rueda



The maximum load curve is defined by bearing static load capacity. This curve should not be exceeded at any time including shock loads.
Die maximale radiale Wellenbelastungskurve ist definiert als maximale statische Last ohne Drehzahl. Sie gilt als Grenze und sollte keinesfalls überschritten werden.
La courbe de charge maximale est définie par la capacité de charge statique portante. Cette courbe ne devrait être dépassée en aucun moment y compris pour les charges par à-coups.
La curva de carga máxima queda definida por la capacidad de carga estática del cojinete. No se deben superar los valores de esta curva, ni siquiera con cargas provisorias de impacto.

Equation to Calculate the Expected Radial Bearing Life
Gleichung zur Ermittlung der Lagerlebensdauer

Equation to calculate the dynamic bearing life for a given load:
Bestimmung der erlaubten radialen Wellenbelastung mit vorgegebener Last

Use F_a, F_b and S in equation to determine hours of L_{10} bearing life.
Die Lebensdauer in Stunden ergibt sich durch einsetzen von F_a, F_b, und S in die nachstehende Formel.

$$L = \frac{3 \times 10^6}{60 \times S} \left\{ \frac{F_a}{F_b} \right\}^{3.33}$$

Where / Mit:

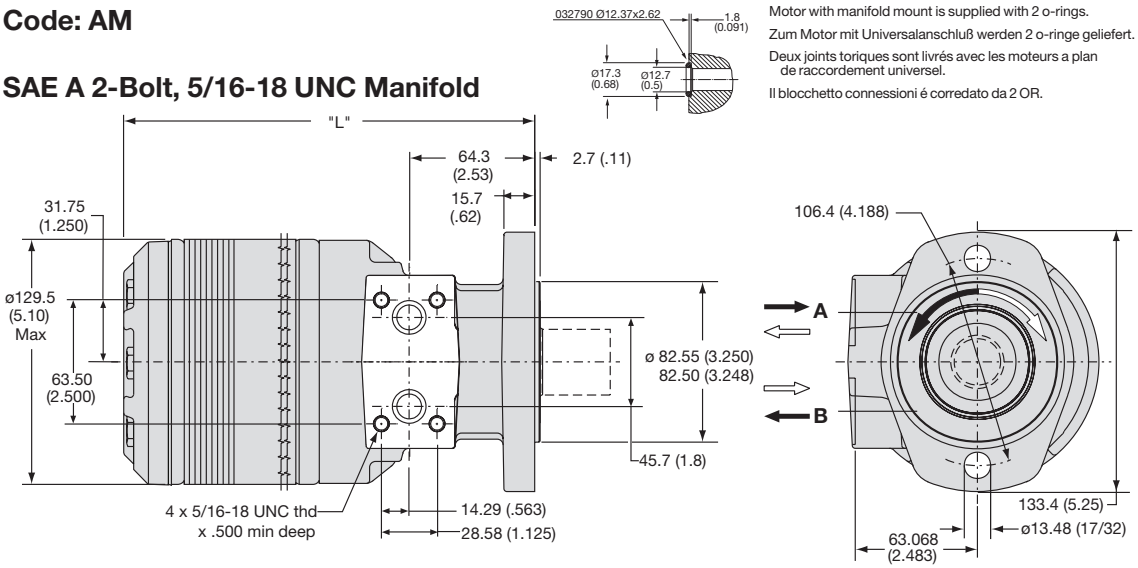
S = Shaft Speed RPM / Abtriebswellendrehzahl in min^{-1}
L = Life In Hours / Lebensdauer in Stunden
F_a = Dynamic side load defined by above curve at a distance from mounting flange. / Erlaubte radiale Wellenbelastung als Function der Laenge
F_b = Application side load. / Anwendungsseitige Wellenbelastung

Note: Calculations are based on L_{10} bearing life per ISO 281.
Auslegung basiert auf einer L_{10} Lenbendauer nach ISO 281.

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Code: AM

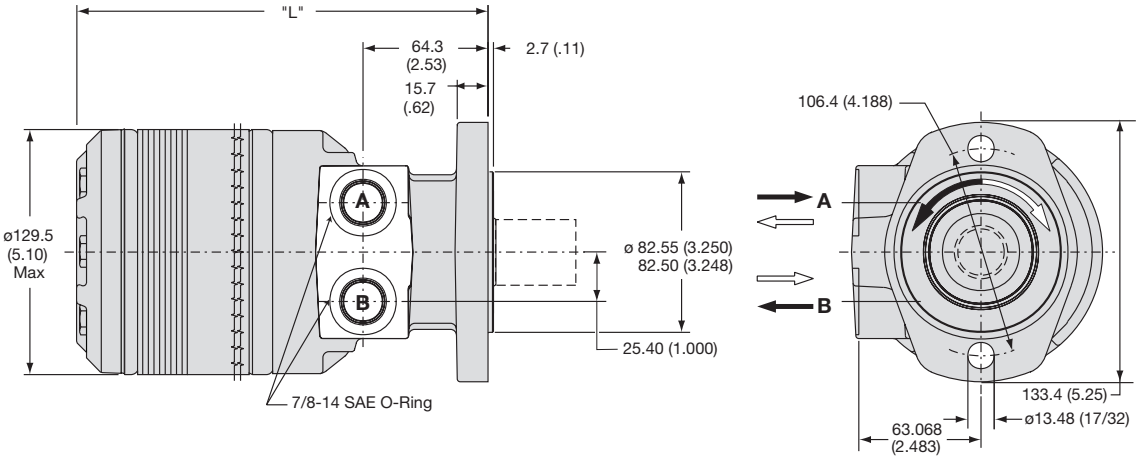
SAE A 2-Bolt, 5/16-18 UNC Manifold



Code AM	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.2**	**14.5**	**14.7**	**15.1**	**15.5**	**15.7**	**15.9**	**16.5**	**17.2**	**17.9**	**18.6**	**20.2**	**21.9**
Poids/Peso	(lb)	(31.4)	(32.0)	(32.5)	(33.3)	(34.2)	(34.7)	(35.1)	(36.4)	(37.9)	(39.5)	(41.1)	(44.5)	(48.3)
Length	**"L" mm**	**195.6**	**198.6**	**201.4**	**206.5**	**211.3**	**214.8**	**217.7**	**225.0**	**233.7**	**240.0**	**249.4**	**268.4**	**287.5**
	"L" (in)	(7.70)	(7.82)	(7.95)	(8.13)	(8.32)	(8.46)	(8.57)	(8.86)	(9.20)	(9.45)	(9.82)	(10.57)	(11.32)

Code: AS

SAE A 2-Bolt, 7/8-14 SAE



Code AS	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.2**	**14.5**	**14.7**	**15.1**	**15.5**	**15.7**	**15.9**	**16.5**	**17.2**	**17.9**	**18.6**	**20.2**	**21.9**
Poids/Peso	(lb)	(31.4)	(32.0)	(32.5)	(33.3)	(34.2)	(34.7)	(35.1)	(36.4)	(37.9)	(39.5)	(41.1)	(44.5)	(48.3)
Length	**"L" mm**	**195.6**	**198.6**	**201.4**	**206.5**	**211.3**	**214.8**	**217.7**	**225.0**	**233.7**	**240.0**	**249.4**	**268.4**	**287.5**
	"L" (in)	(7.70)	(7.82)	(7.95)	(8.13)	(8.32)	(8.46)	(8.57)	(8.86)	(9.20)	(9.45)	(9.82)	(10.57)	(11.32)

English equivalents for metric specifications are shown in ( ).

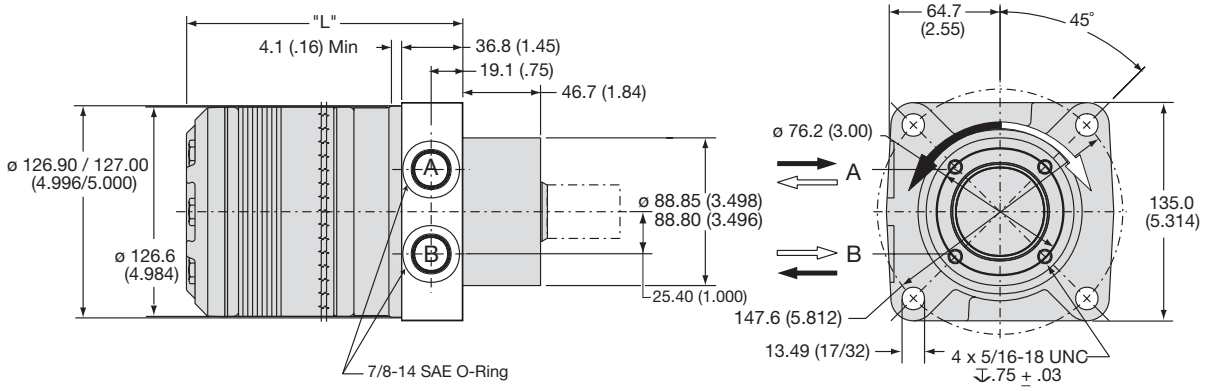
011 TG.indd, js

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Code: LS

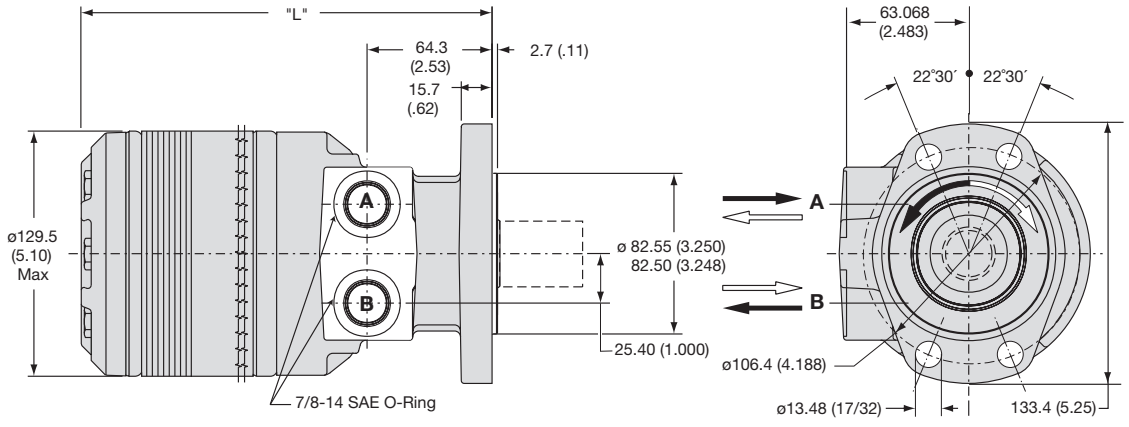
Wheel, Front Brake Nose, 7/8-14 SAE



Code LS	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.6**	**14.8**	**15.1**	**15.5**	**15.9**	**16.1**	**16.3**	**16.9**	**17.5**	**18.3**	**19.0**	**20.5**	**22.2**
Poids/Peso	(lb)	(32.2)	(37.7)	(33.3)	(34.1)	(35.0)	(35.5)	(35.8)	(37.2)	(38.6)	(40.3)	(41.8)	(45.3)	(49.0)
Length	**"L" mm**	**150.3**	**153.4**	**156.7**	**161.3**	**168.1**	**169.7**	**172.5**	**179.8**	**188.5**	**194.8**	**204.2**	**233.3**	**242.3**
	"L" (in)	(5.92)	(6.04)	(6.17)	(6.35)	(6.54)	(6.68)	(6.79)	(7.08)	(7.42)	(7.67)	(8.04)	(8.79)	(9.54)

Code: MS

Magneto, 7/8-14 SAE



Code MS	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.2**	**14.5**	**14.7**	**15.1**	**15.5**	**16.1**	**15.9**	**16.5**	**17.2**	**17.9**	**18.6**	**20.2**	**21.9**
Poids/Peso	(lb)	(31.4)	(32.0)	(32.5)	(33.3)	(34.2)	(35.5)	(35.1)	(36.4)	(37.9)	(39.5)	(41.1)	(44.5)	(48.3)
Length	**"L" mm**	**195.6**	**198.6**	**201.4**	**206.5**	**211.3**	**214.8**	**217.7**	**225.0**	**233.7**	**240.0**	**249.4**	**268.4**	**287.5**
	"L" (in)	(7.70)	(7.82)	(7.95)	(8.13)	(8.32)	(8.46)	(8.57)	(8.86)	(9.20)	(9.45)	(9.82)	(10.57)	(11.32)

English equivalents for metric specifications are shown in ( ).

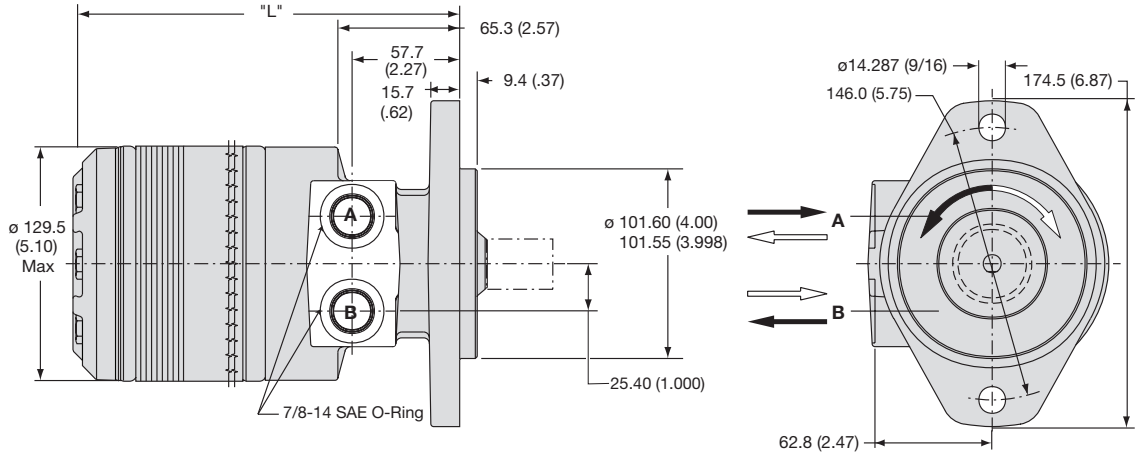
011 TG.indd, js

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Code: BS

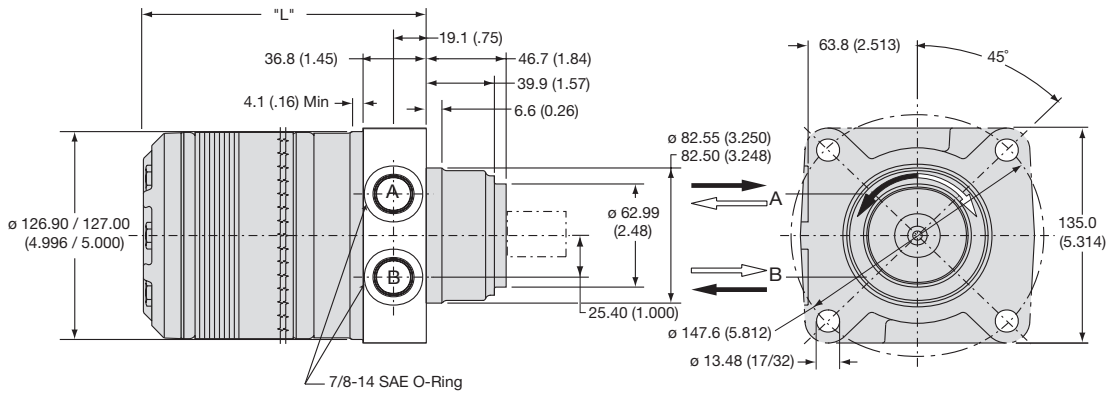
SAE B 2-Bolt, 7/8-14 SAE O-Ring



Code BS	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.9**	**15.2**	**15.3**	**15.7**	**16.1**	**16.4**	**16.6**	**17.1**	**17.8**	**18.6**	**19.3**	**20.8**	**22.5**
Poids/Peso	(lb)	(32.8)	(33.4)	(33.9)	(34.7)	(35.6)	(36.1)	(36.5)	(37.8)	(39.3)	(40.9)	(42.5)	(45.9)	(49.7)
Length	"L" mm	**195.6**	**198.6**	**201.4**	**206.5**	**211.3**	**214.8**	**217.7**	**225.0**	**233.7**	**240.0**	**249.4**	**268.4**	**287.5**
	"L" (in)	(7.70)	(7.82)	(7.95)	(8.13)	(8.32)	(8.46)	(8.57)	(8.86)	(9.20)	(9.45)	(9.82)	(10.57)	(11.32)

Code: US

Wheel, Standard, 7/8-14 SAE

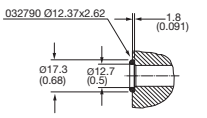


Code US	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.6**	**14.8**	**15.1**	**15.5**	**15.9**	**16.1**	**16.3**	**16.9**	**17.51**	**18.3**	**19.0**	**20.5**	**22.2**
Poids/Peso	(lb)	(32.2)	(32.7)	(33.3)	(34.1)	(35.0)	(35.5)	(35.8)	(37.2)	(38.6)	(40.3)	(41.8)	(45.3)	(49.0)
Length	**"L" mm**	**150.3**	**153.4**	**156.7**	**161.3**	**168.1**	**169.7**	**172.5**	**179.8**	**188.5**	**194.8**	**204.2**	**233.3**	**242.3**
	"L" (in)	(5.92)	(6.04)	(6.17)	(6.35)	(6.54)	(6.68)	(6.79)	(7.08)	(7.42)	(7.67)	(8.04)	(8.79)	(9.54)

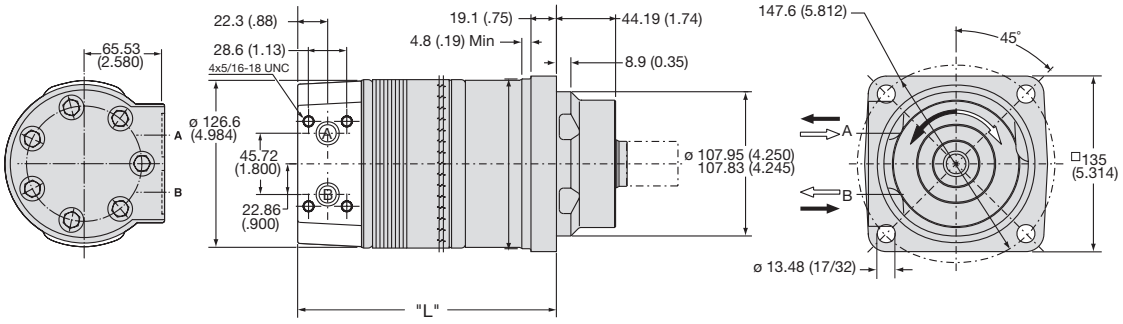
English equivalents for metric specifications are shown in ( ).

Code: WE

Wheel, Optional, Manifold Rear Port



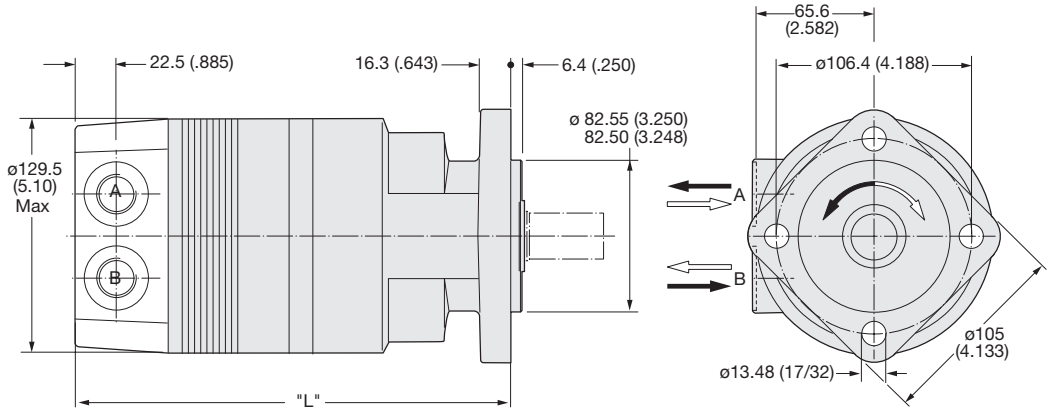
Motor with manifold mount is supplied with 2 o-rings.
Zum Motor mit Universalanschluß werden 2 o-ringe geliefert.
Deux joints toriques sont livrés avec les moteurs a plan de raccordement universel.
Il blocchetto connessioni é corredato da 2 OR.



Code WE	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**17.6**	**17.8**	**18.1**	**18.4**	**18.8**	**19.1**	**19.3**	**19.8**	**20.5**	**21.3**	**22.0**	**23.5**	**25.2**
Poids/Peso	(lb)	(38.7)	(39.3)	(39.8)	(40.6)	(41.5)	(42.0)	(42.4)	(43.7)	(45.2)	(46.8)	(48.4)	(51.8)	(55.6)
Length	**"L" mm**	**177.5**	**180.6**	**183.9**	**188.7**	**193.3**	**196.9**	**199.6**	**207.0**	**215.6**	**222.0**	**231.6**	**250.7**	**269.7**
	"L" (in)	(6.99)	(7.11)	(7.24)	(7.43)	(7.61)	(7.75)	(7.86)	(8.15)	(8.49)	(8.74)	(9.12)	(9.87)	(10.62)

Code: VB

SAE A 4-Bolt, 7/8-14 SAE Rear Port



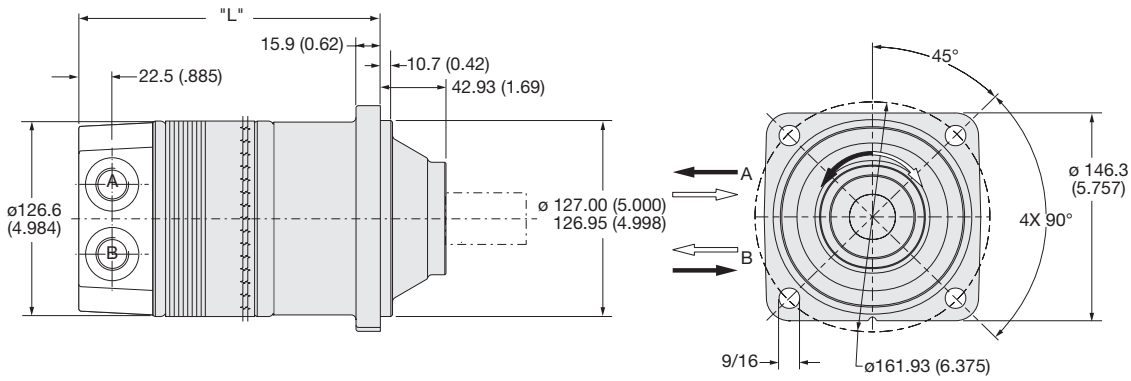
Code VB	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**16.1**	**16.3**	**16.6**	**17.0**	**17.4**	**17.6**	**17.8**	**18.4**	**19.0**	**19.8**	**20.5**	**22.0**	**23.7**
Poids/Peso	(lb)	(35.5)	(35.9)	(36.6)	(37.5)	(38.4)	(38.8)	(39.2)	(41.0)	(41.9)	(43.7)	(45.2)	(48.5)	(52.2)
Length	**"L" mm**	**216.7**	**219.7**	**223.0**	**227.8**	**232.4**	**236.0**	**238.8**	**246.1**	**254.8**	**261.1**	**270.8**	**289.8**	**308.9**
	"L" (in)	(8.53)	(8.65)	(8.78)	(8.97)	(9.15)	(9.29)	(9.40)	(9.69)	(10.03)	(10.28)	(10.66)	(11.41)	(12.16)

English equivalents for metric specifications are shown in ( ).

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Code: DB

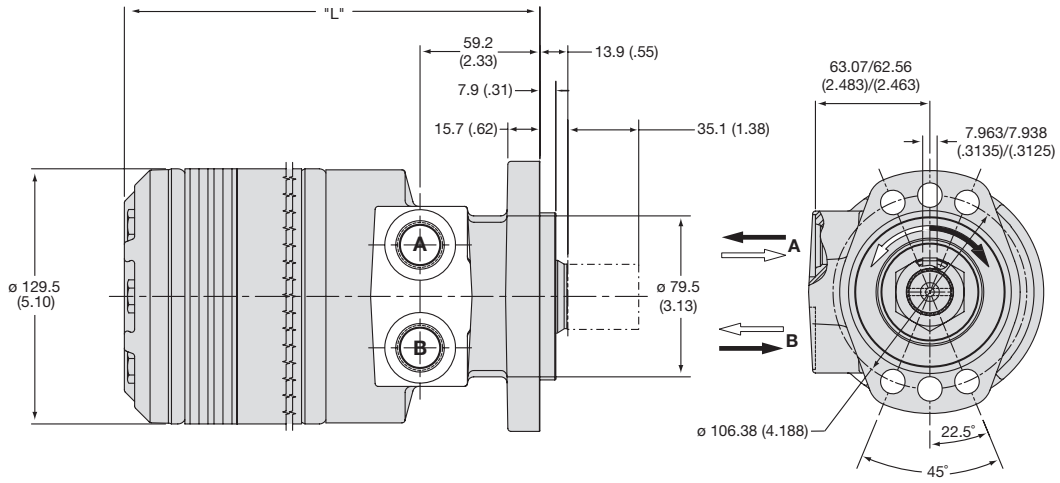
Large Wheel Mount, 7/8-14 SAE Rear Port



Code DB	disp.	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**17.6**	**17.8**	**18.1**	**18.4**	**18.8**	**19.1**	**19.3**	**19.8**	**20.5**	**21.3**	**22.0**	**23.5**	**25.2**
Poids/Peso	(lb)	(38.7)	(39.3)	(39.8)	(40.6)	(41.5)	(42.0)	(42.4)	(43.7)	(45.2)	(46.8)	(48.4)	(51.8)	(55.6)
Length	**"L" mm**	**178.8**	**182.1**	**185.2**	**190.0**	**194.8**	**198.4**	**201.2**	**208.5**	**216.9**	**223.3**	**232.9**	**252.0**	**271.0**
	"L" (in)	(7.04)	(7.17)	(7.29)	(7.48)	(7.67)	(7.81)	(7.92)	(8.21)	(8.54)	(8.79)	(9.17)	(9.92)	(10.67)

Code: ES

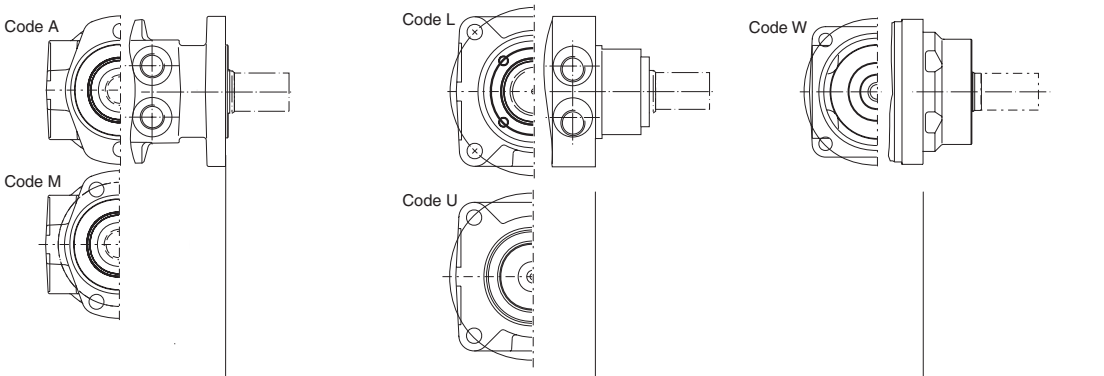
Modified SAE A 6-Bolt, 7/8-14 SAE O-Ring



Code ES	disp.	0140	0170	0195	0240	0280	0310	0335	0360	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**14.2**	**14.5**	**14.7**	**15.1**	**15.5**	**16.1**	**16.3**	**16.4**	**16.5**	**17.2**	**17.9**	**18.6**	**20.2**	**21.9**
Poids/Peso	(lb)	(31.4)	(32.0)	(33.3)	(33.3)	(34.2)	(35.5)	(35.9)	(36.2)	(36.4)	(37.9)	(39.5)	(41.1)	(44.5)	(48.3)
Length	**"L" mm**	**189.5**	**192.5**	**195.8**	**200.4**	**205.2**	**208.5**	**211.6**	**214.9**	**218.9**	**227.6**	**233.9**	**243.3**	**262.4**	**281.4**
	"L" (in)	(7.46)	(7.58)	(7.71)	(7.89)	(8.08)	(8.21)	(8.33)	(8.46)	(8.62)	(8.96)	(9.21)	(9.58)	(10.33)	(11.08)

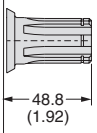
English equivalents for metric specifications are shown in ( ).

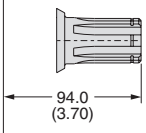
Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

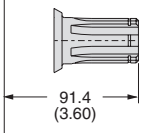


Code: 01

1" 6B Spline

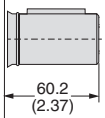


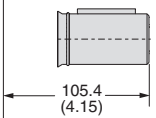


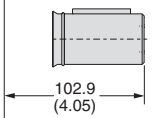


Code: 03

1 1/4" Keyed

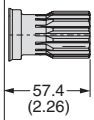


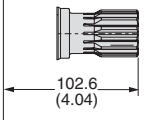


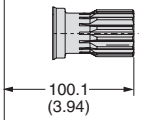


Code: 05

1" 1/4 14 Tooth Spline

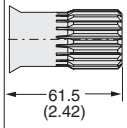


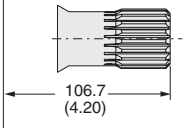


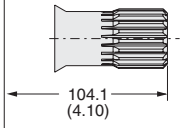


Code: 06

19 Tooth Spline

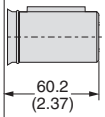


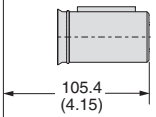


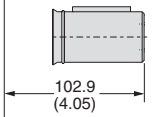


Code: 46

32 mm Keyed

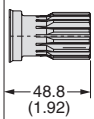


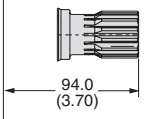


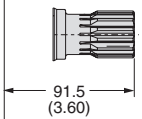


Code: 62

1" 1/4 14 Tooth Spline SAE







English equivalents for metric specifications are shown in ( ).

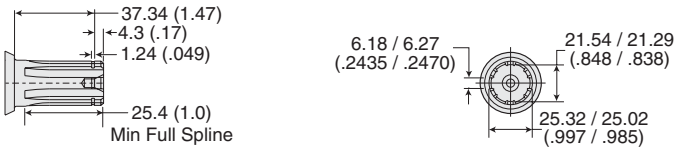
011 TG.indd, js

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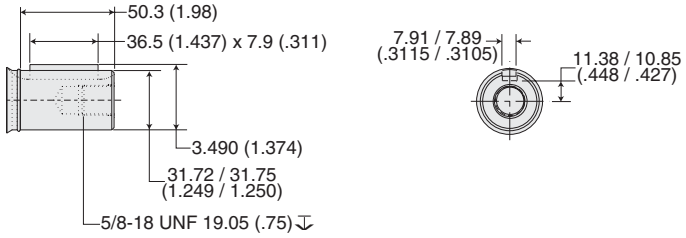
Code: 01

1" 6B Spline



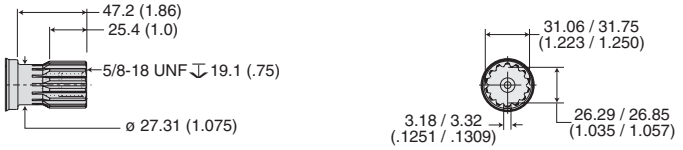
Code: 03

1 1/4" Keyed



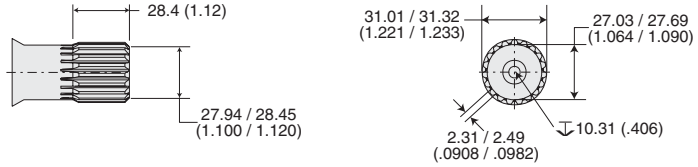
Code: 05

1" 1/4 14 Tooth Spline



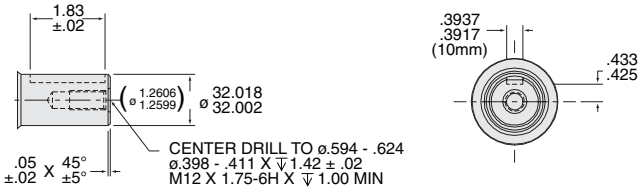
Code: 06

19 Tooth Spline



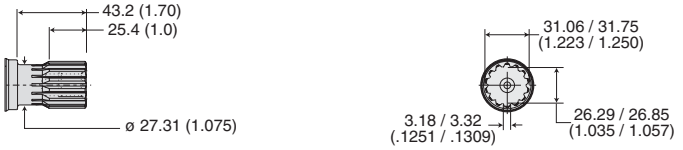
Code: 46

32 mm Keyed

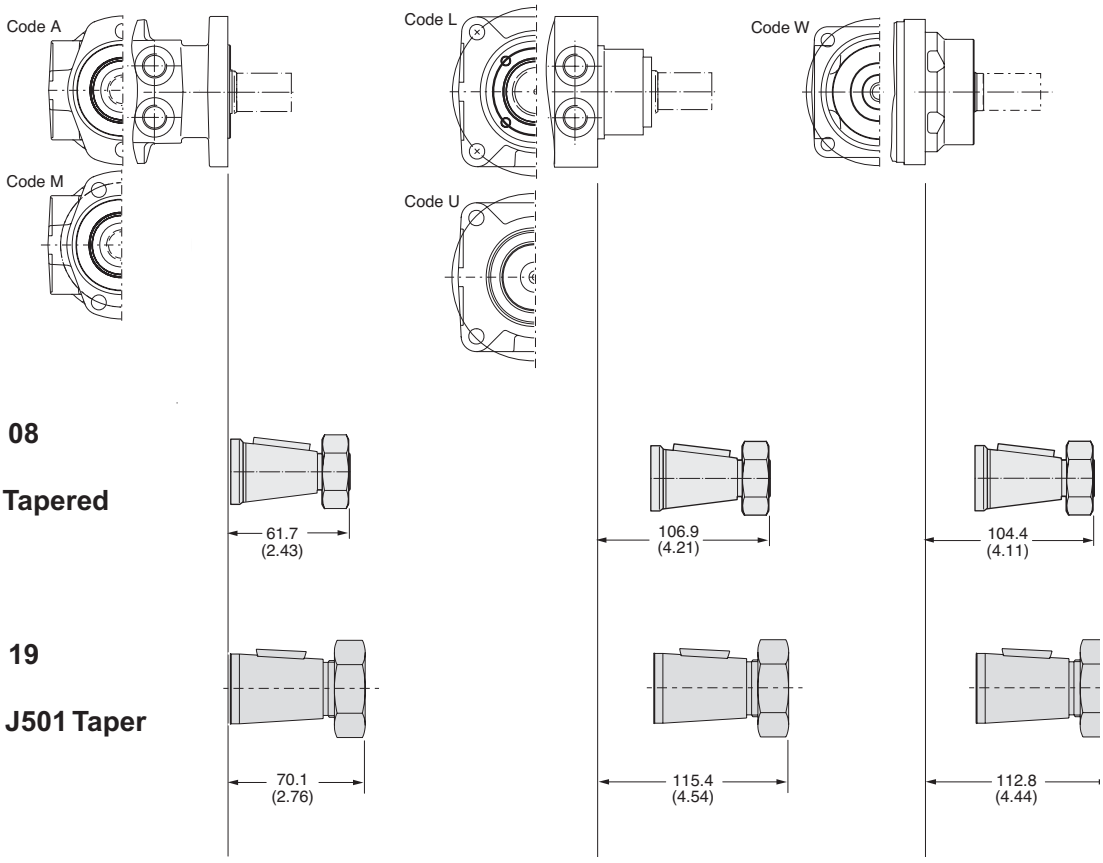


Code: 62

1" 1/4 14 Tooth Spline SAE

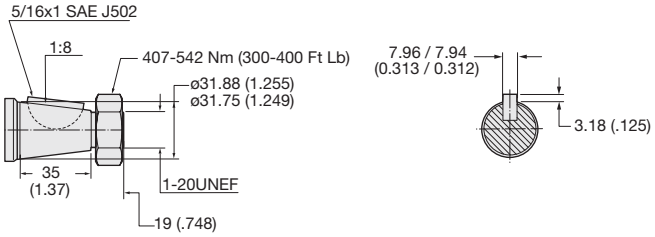


English equivalents for metric specifications are shown in ( ).



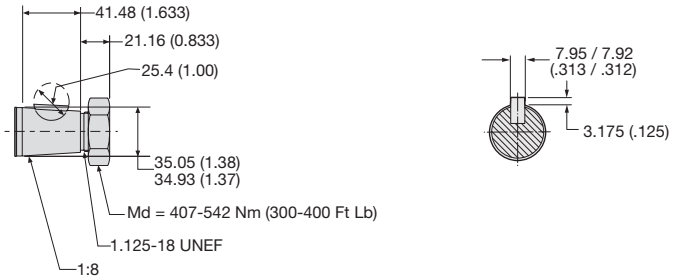
Code: 08

1 1/4" Tapered



Code: 19

1 3/8" J501 Taper



English equivalents for metric specifications are shown in ( ).

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