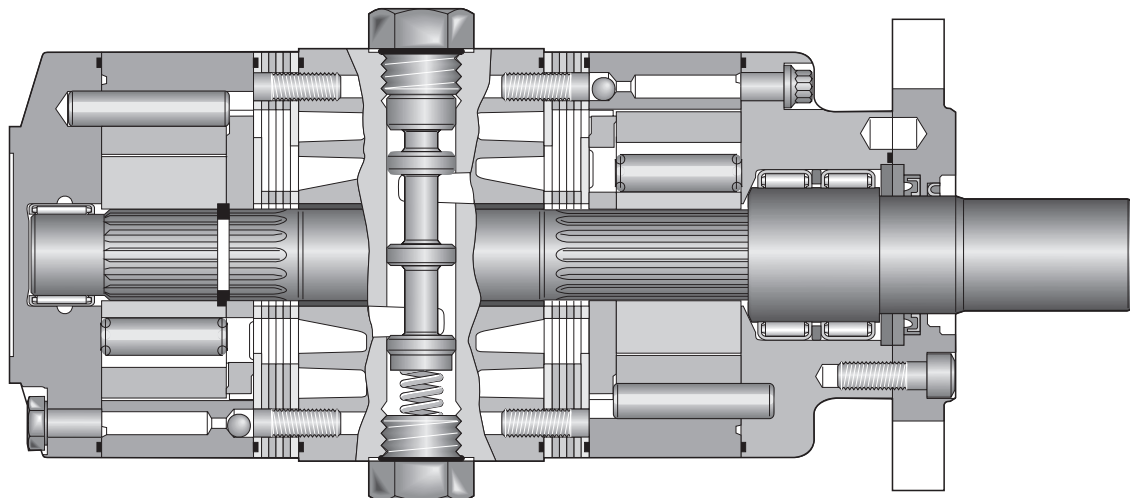
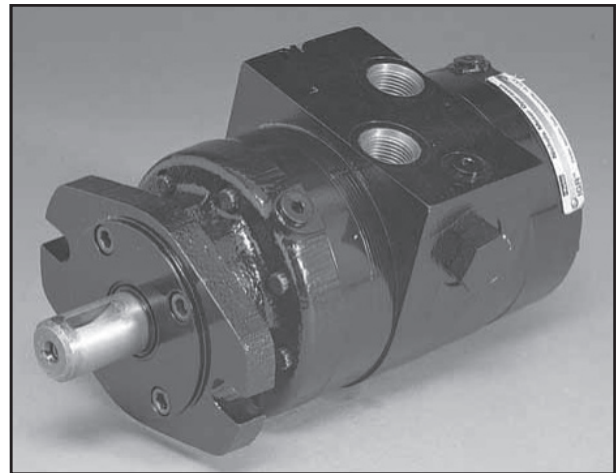
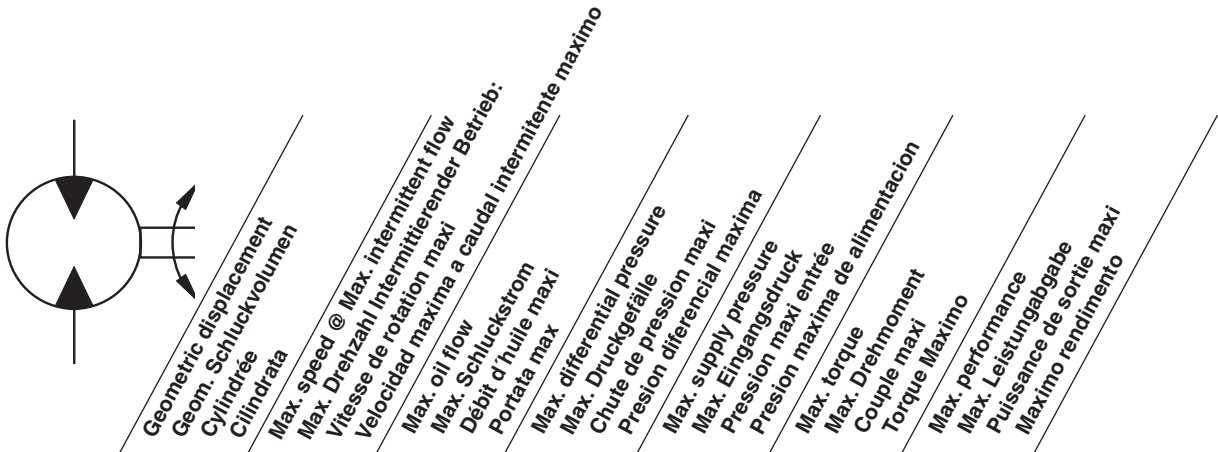


6 Displacements	Series	(3.6 – 12.9 in ³ /rev)
6 Schluckvolumen		59...211 cm ³ /rev
6 Cylindrée	Parallel	(7.2 – 25.8 in ³ /rev)
6 Despazamientos		118...423 cm ³ /rev
		Cont Int
Maximum Pressure	Series	(to 2500 psi) (to 3000 psi)
Eingangsdruck		...170 bar ...210 bar
Pression entrée	Parallel	(to 2500 psi) (to 3000 psi)
Pressione Maxima		...170 bar ...210 bar
Maximum Oil Flow	Series	(to 20 gpm)
Schluckstrom		...76 lpm
Débit d'huile	Parallel	(to 30 gpm)
Caudal Maximo de Aceite		...114 lpm
Maximum Speed	Series	890 rpm
Drehzahl	Parallel	782 rpm
Vitesse de rotation		
Velocidad Maxima		
		Cont Int
Maximum Torque	Series	(to 3816 lb in) (to 4694 lb in)
Max Drehmoment		...431 Nm ...530 Nm
Couple	Parallel	(to 6648 lb in) (to 7463 lb in)
Torque Maximo		...751 Nm ...843 Nm
Maximum Side Load at Key	Series	(to 700 lb)
Seitenlast		... 3114 N
Charges latérales		
Carga Maxima Lateral		

High Efficiency, High Flow Two-Speed Motor

Parker's patented two-speed motor utilizes two separate IGR™ power elements on a common shaft. An integral selector valve shifts between high torque, low speed (parallel) operation and high speed, low torque (series) mode in a ration of 2:1. The use of two power elements eliminates the deficiencies of traditional, single power element designs. In the high torque mode, the motor delivers twice the torque and half the speed that it does in the high speed mode. The selector valve can be open or closed center and may be actuated by an external pilot or optional solenoid valve. The open center selector valve can be shifted "on the fly" while the motor shaft is rotating under load. The selector valve is spring loaded to return to its pilot-pressure-off position. Normal mode of operation is field changeable and can be selected as series or parallel. Pilot pressure must be 300 psi higher than motor case or outlet pressure and may be as high as typical hydraulic system operating pressure.





Motor Series 700	cm ³ /rev in ³ /rev	int rev/min	cont / int* l/min g/min		cont / int* bar psi		max bar psi	cont / int* Nm lb-in		max KW HP
072 Series	59 3.6	890	45.4 12	53.0 14	170 2500	210 3000	276 4000	129 1146	154 1366	8.6 11.5
072 Parallel	118 7.2	782	83.3 22	94.6 25	170 2500	210 3000	276 4000	264 2338	309 2739	15.5 20.8
108 Series	88 5.4	843	60.6 16	68.1 18	170 2500	210 3000	276 4000	197 1743	236 2088	12.4 16.6
108 Parallel	177 10.8	656	94.6 25	113.5 30	170 2500	210 3000	276 4000	527 4666	624 5525	26.9 36.1
142 Series	116 7.1	695	75.7 20	83.3 22	170 2500	210 3000	276 4000	260 2306	313 2769	12.8 17.2
142 Parallel	233 14.2	481	113.5 30	113.5 30	170 2500	210 3000	276 4000	518 4592	616 5456	21.8 29.2
176 Series	144 8.8	688	75.7 20	94.6 25	170 2500	210 3000	276 4000	325 2818	392 3472	14.2 19.1
176 Parallel	288 17.6	419	113.5 30	113.5 30	170 2500	210 3000	276 4000	644 5707	709 6283	23.9 32.1
212 Series	174 10.6	580	75.7 20	113.5 30	155 2250	210 3000	276 4000	353 3125	475 4205	13.0 17.4
212 Parallel	347 21.2	352	113.5 30	113.5 30	155 2250	210 3000	276 4000	696 6167	774 6860	21.2 29.4
258 Series	211 12.9	440	75.7 20	113.5 30	155 2250	210 3000	276 4000	431 3816	531 4699	12.3 16.5
258 Parallel	423 25.8	268	113.5 30	113.5 30	137.9 2000	155.1 2250	276 4000	751 6648	843 7463	18.0 24.2

Performance data based on tests using 15W40 oil with a viscosity of 55 cSt (215 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 15W40 d'une viscosite de 55 cSt (215 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 15W40 bei einer Viskosität von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogerten sind möglich.

Datos tecnicos obtenidos con aceite 15W40 de 55 cSt (215 SUS) de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipicos. 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.

7	0	X	XXX	X	X	X	X	X	X
Series	Series	Shaft Welle Arbre Ejes	Displacement Schluckvolumen Cylindrée Desplazamiento	Mounting Gehäuse Carter Montaje	Ports Anschluß Plan de raccordement Lumbreras	Spool Actuation Spulenbetätigung Actionnement de la bobine Actuado por bobina	Normal Center Position ¹ Normale Mittenposition Position centrale normale Posición central normal	Normal Mode of Operation ¹ Normaler Betriebsmodus Mode opératoire normal Modo normal de operación	Paint Anstrich Peinture Pintura

Code	
0	1" Keyed
3	1-1/4" Keyed
5	1-1/4"-14 Tooth Spline

Code	cm ³ /U cm ³ /tr cm ³ /giro	cu in ³ /rev
072	60 / 119	3.6 Series / 7.2 Parallel
108	88 / 176	5.4 Series / 10.8 Parallel
142	116 / 232	7.1 Series / 14.2 Parallel
176	144 / 289	8.8 Series / 17.6 Parallel
212	174 / 348	10.6 Series / 21.2 Parallel
258	211 / 423	12.9 Series / 25.8 Parallel

Code	
AM	SAE A 2-Bolt, Manifold
AS	SAE A 2-Bolt, 7/8"-14 SAE
BM	SAE B 2-Bolt, Manifold
BS	SAE B 2-Bolt, 7/8"-14 SAE

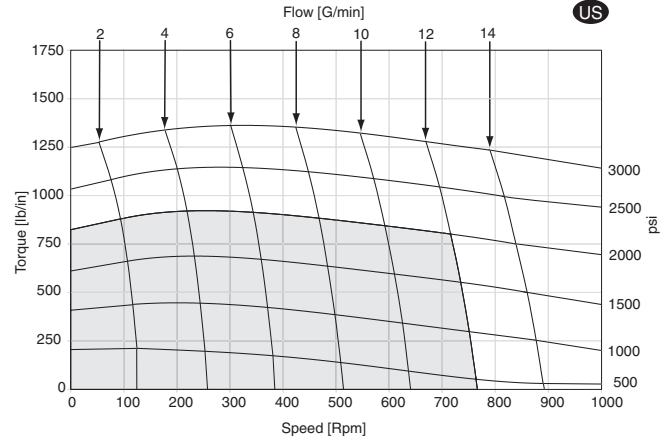
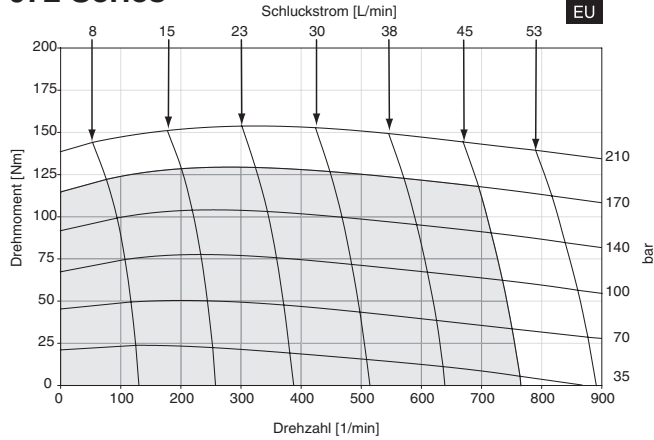
Code	
PCL	Remotely Piloted, Closed, Parallel
POL	Remotely Piloted, Open, Parallel
SOL ¹	Solenoid Actuated with Manual Override, Open, Parallel

¹ Standard Solenoid is 12V DC with 1/4" Spade Connections. Standardausführung ist ein 12-V-Gleichstrom-Solenoid mit 1/4-Zoll-Gabelschuhanschlüssen. Le solénoïde standardisé est du type 12 Vcc avec cosses à fourche de 1/4". La solénoïde estándar es para 12 VCC, con conectores tipo bayoneta de 1/4".

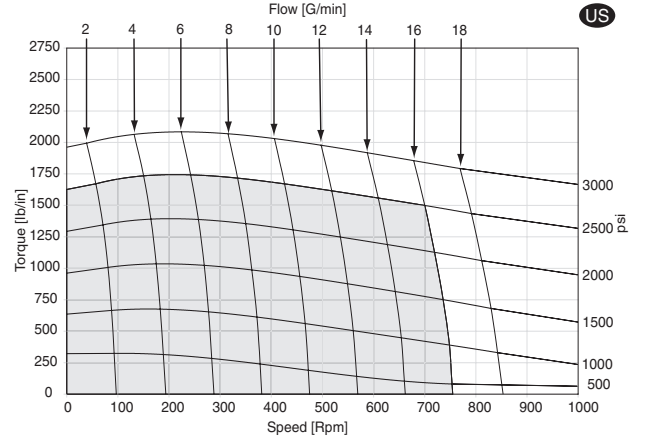
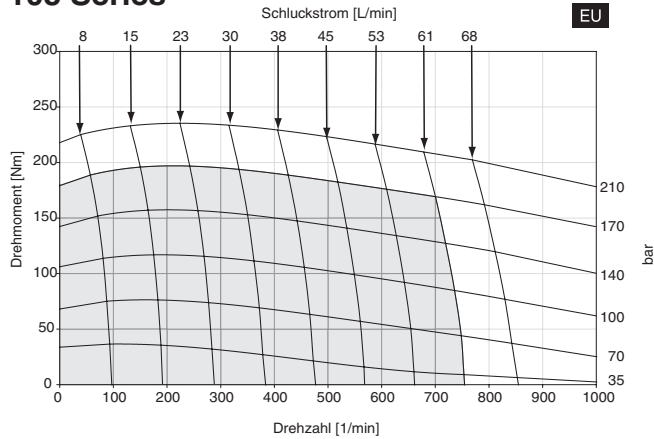
Code	
Omit	No Paint
F	Black Paint Schwarz lackiert

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

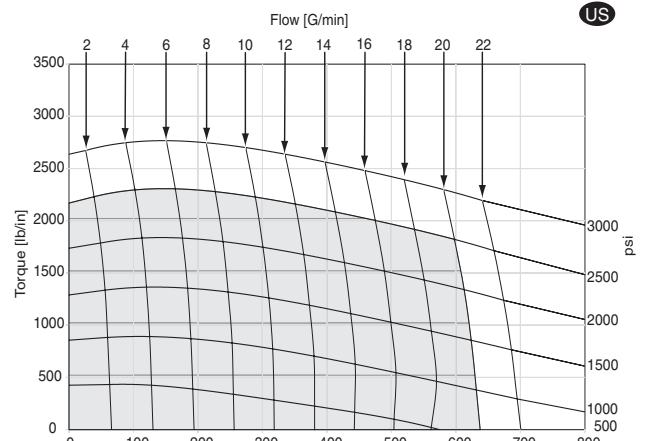
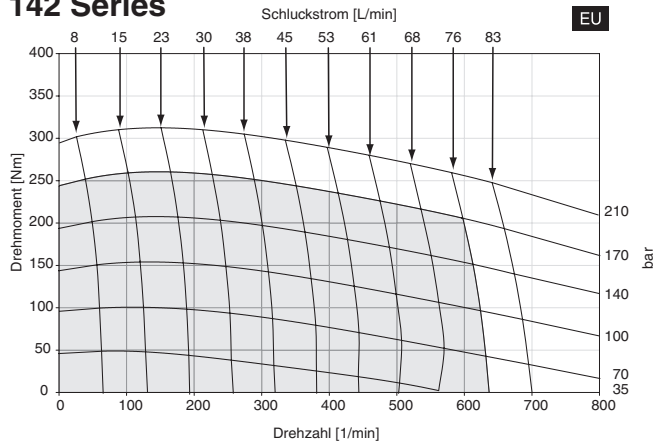
072 Series



108 Series



142 Series



□ Cont. □ Int.

Intermittent operation rating applies to 10% of every minute.
Fonctionnement interm. 10% max. de chaque minute d'utilisation.

Performance data based on tests using 15W40 oil with a viscosity of 55 cSt (215 SUS) at 54° C (130° F). Performance data is typical. Actual data may vary slightly from one production motor to another.

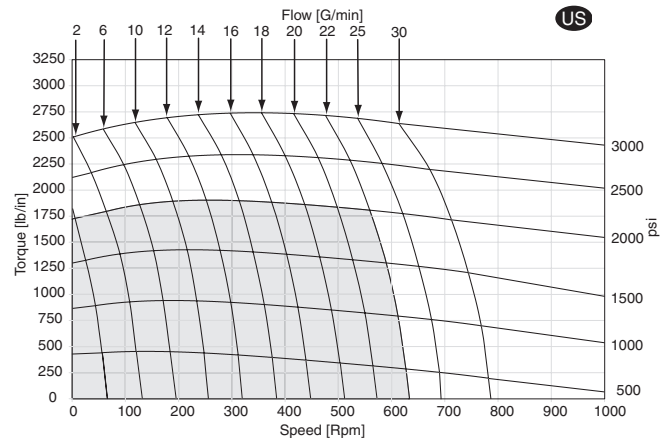
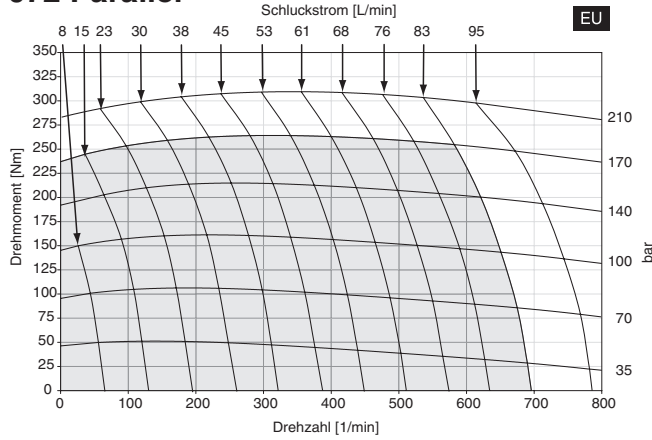
Les donnees sur les performances sont basees sur des tests utilisant de l'huile 15W40 d'une viscosite de 55 cSt (215 SUS) a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.
Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

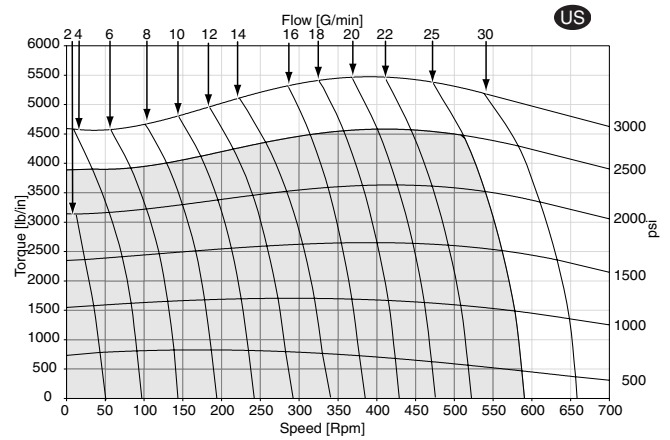
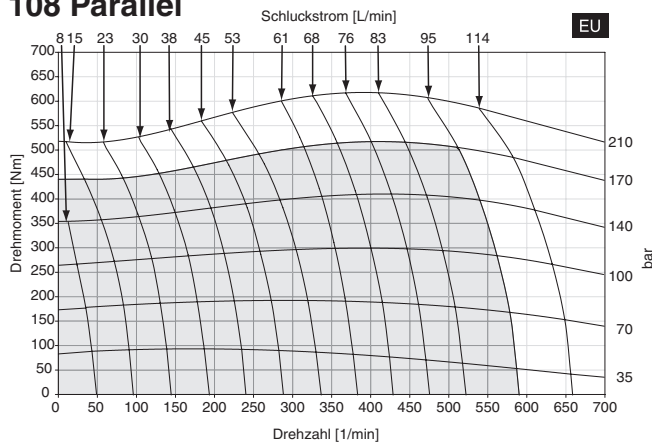
Leistungsdaten sind gemessen mit SAE 15W40 bei einer Viskositäet von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogerten sind möglich.

Datos tecnicos obtenidos con aceite 15W40 de 55 cSt (215 SUS) de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipicos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

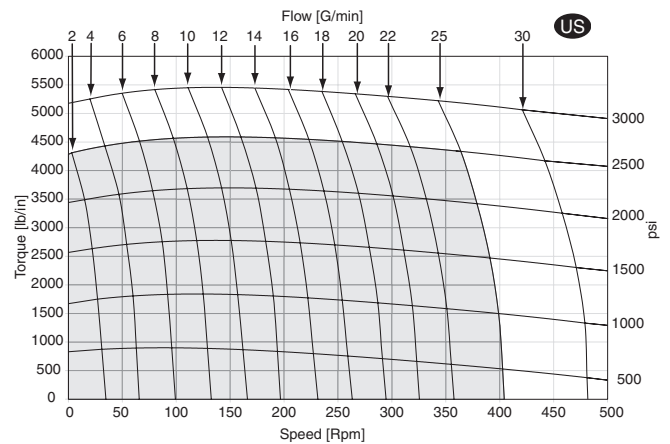
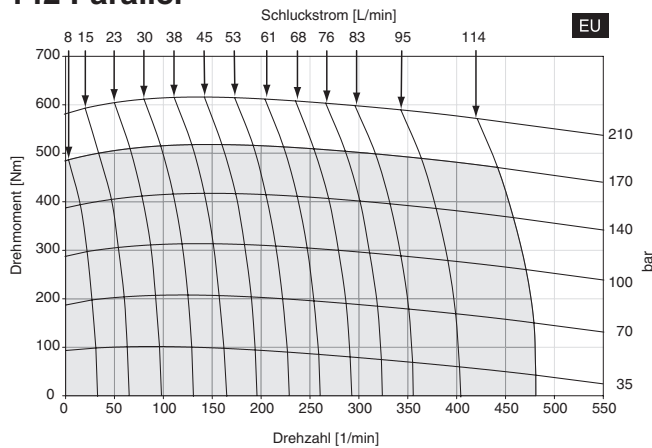
072 Parallel



108 Parallel



142 Parallel



Cont. Int.

Intermittent operation rating applies to 10% of every minute.
Fonctionnement interm. 10% max. de chaque minute d'utilisation.

Performance data based on tests using 15W40 oil with a viscosity of 55 cSt (215 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 15W40 d'une viscosite de 55 cSt (215 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.

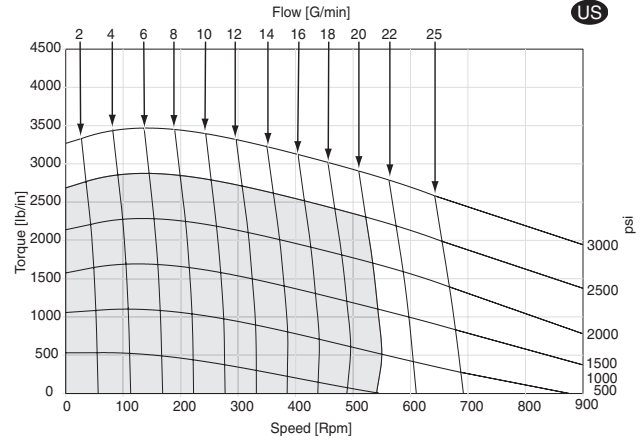
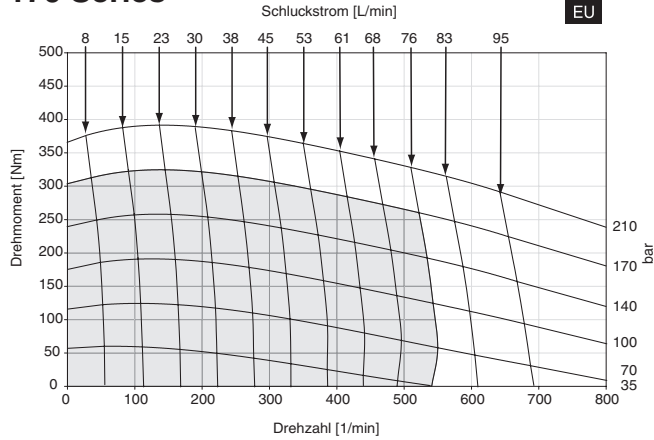
021 700.indd, js

Intermittierende Werte maximal 10% von jeder Betriebsminute.
Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

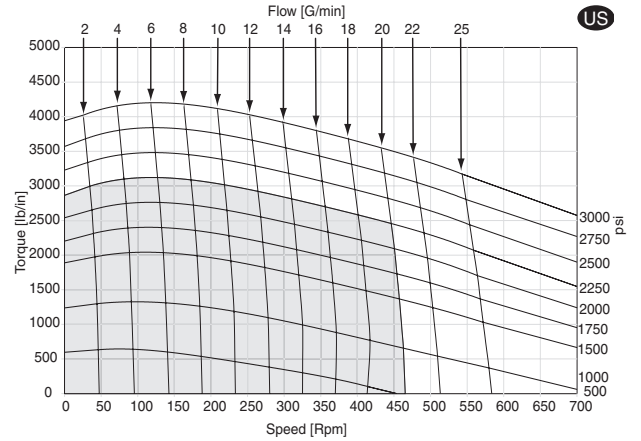
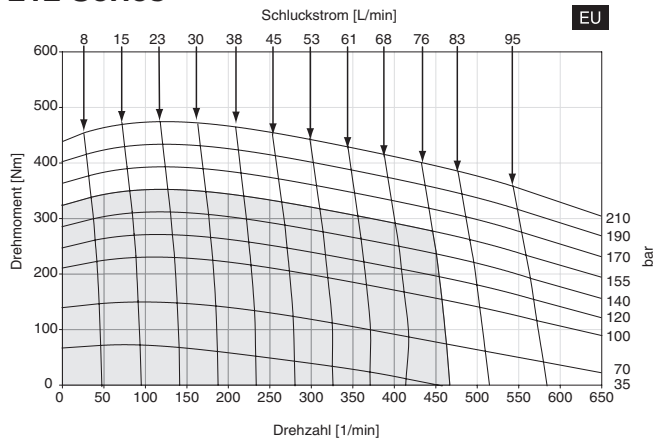
Leistungsdaten sind gemessen mit SAE 15W40 bei einer Viskosität von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogerten sind möglich.

Datos tecnicos obtenidos con aceite 15W40 de 55 cSt (215 SUS) de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipicos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

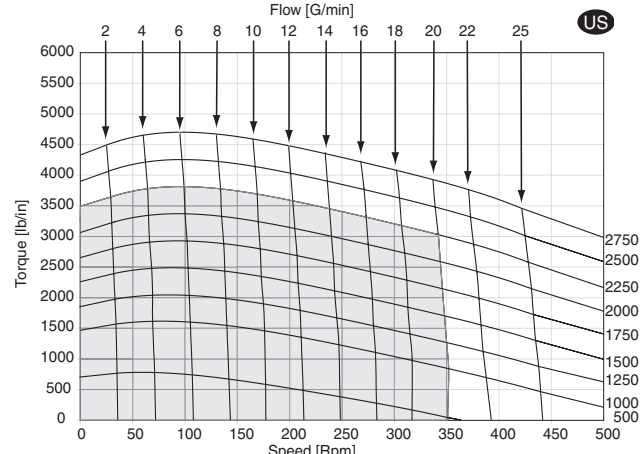
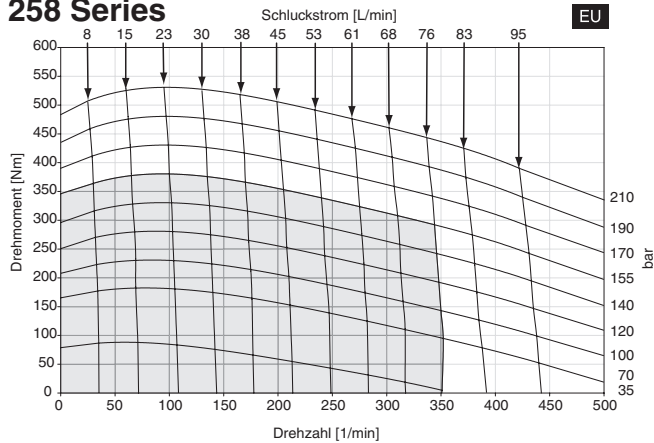
176 Series



212 Series



258 Series



Cont. Int.

Intermittent operation rating applies to 10% of every minute.
Fonctionnement interm. 10% max. de chaque minute d'utilisation.

Performance data based on tests using 15W40 oil with a viscosity of 55 cSt (215 SUS) at 54° C (130° F). Performance data is typical. Actual data may vary slightly from one production motor to another.

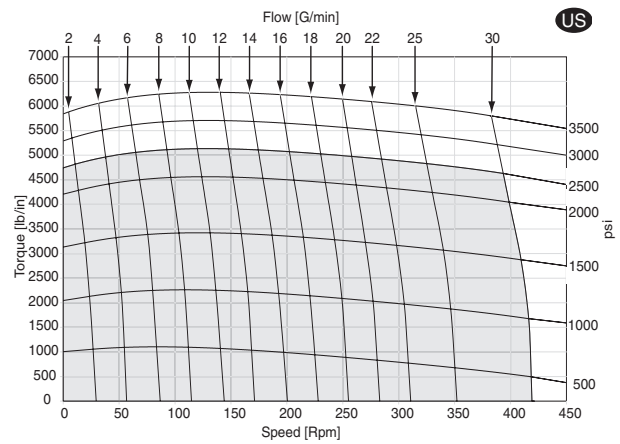
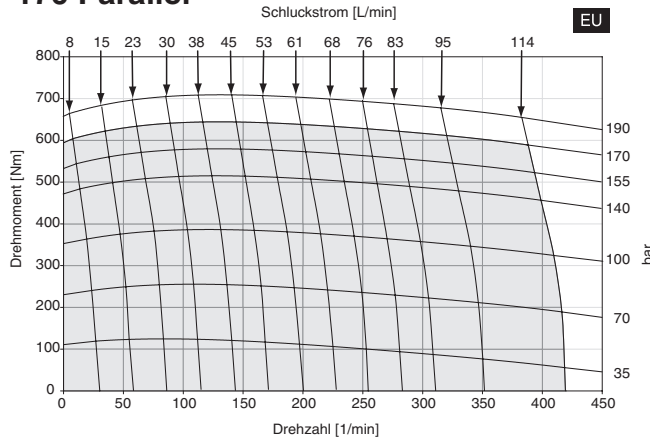
Les donnees sur les performances sont basees sur des tests utilisant de l'huile 15W40 d'une viscosite de 55 cSt (215 SUS) a 54°C (130°F). Ces donnees correspondent a des situations typiques. Les donnees reelles peuvent varier legerement d'un moteur de production a l'autre.

Intermittierende Werte maximal 10% von jeder Betriebsminute.
Capacidad de funcionamiento intermitente valida para 10% por cada minuto.

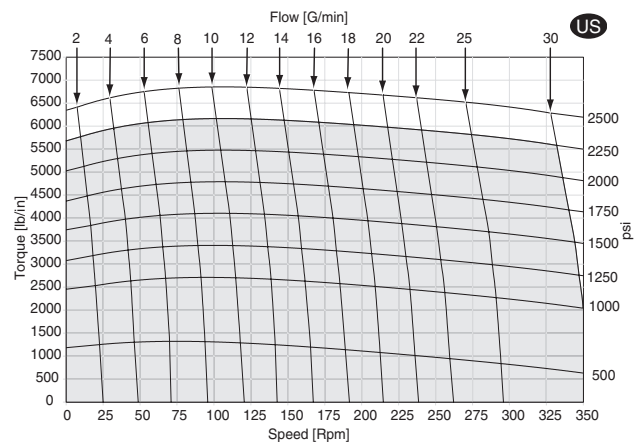
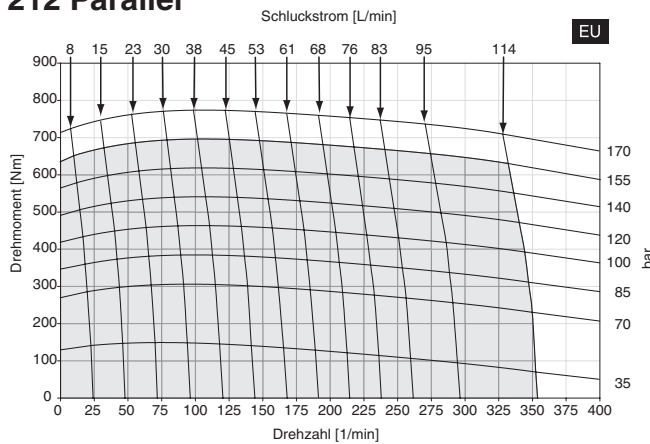
Leistungsdaten sind gemessen mit SAE 15W40 bei einer Viskositäet von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogerten sind möglich.

Datos tecnicos obtenidos con aceite 15W40 de 55 cSt (215 SUS) de viscosidad a 54°C (130°F). Los datos proporcionados son valores tipicos. Los valores exactos reales podrian tener una pequena variacion entre distintos motores.

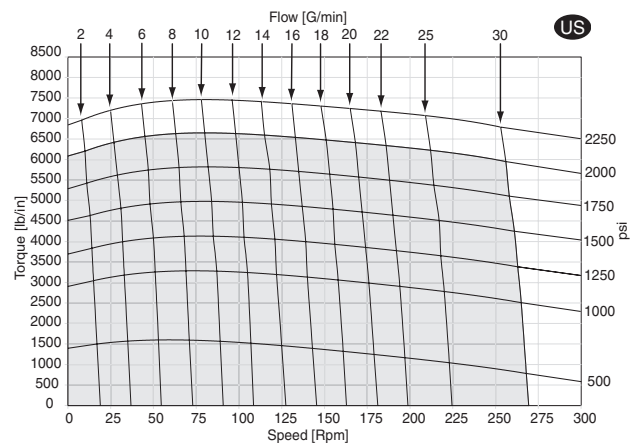
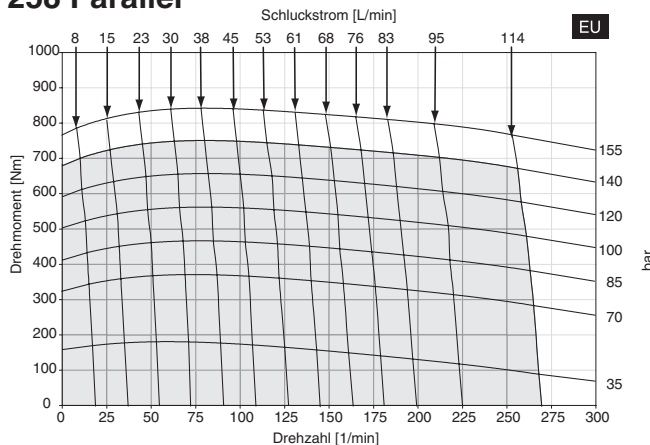
176 Parallel



212 Parallel



258 Parallel



Cont. Int.

Intermittent operation rating applies to 10% of every minute.
Fonctionnement interm. 10% max. de chaque minute d'utilisation.

Performance data based on tests using 15W40 oil with a viscosity of 55 cSt (215 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 15W40 d'une viscosité de 55 cSt (215 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.

021 700.indd, js

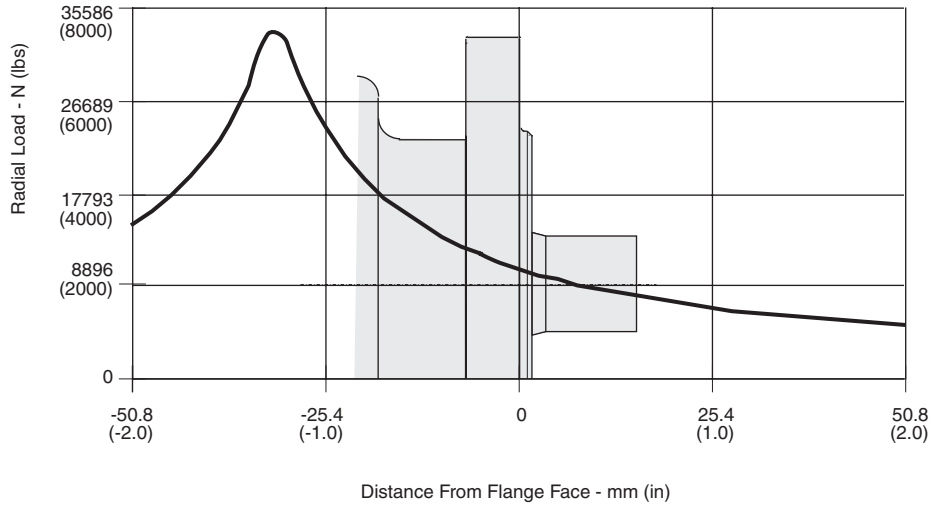
Intermittierende Werte maximal 10% von jeder Betriebsminute.

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

Leistungsdaten sind gemessen mit SAE 15W40 bei einer Viskosität von 43,1 Cst bei 54°C. Geringfügige Abweichungen von den Katalogerten sind möglich.

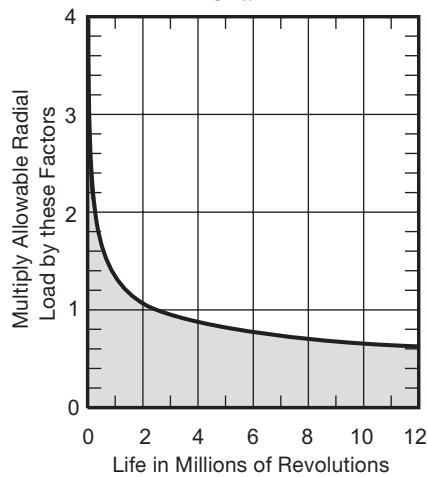
Datos tecnicos obtenidos con aceite 15W40 de 55 cSt (215 SUS) de viscosidad a 54°C (130°F). Los datos proporcionados son valores típicos. Los valores exactos reales podrían tener una pequeña variación entre distintos motores.

700 Series Roller Bearing Allowable Radial Load Curve
Chart A



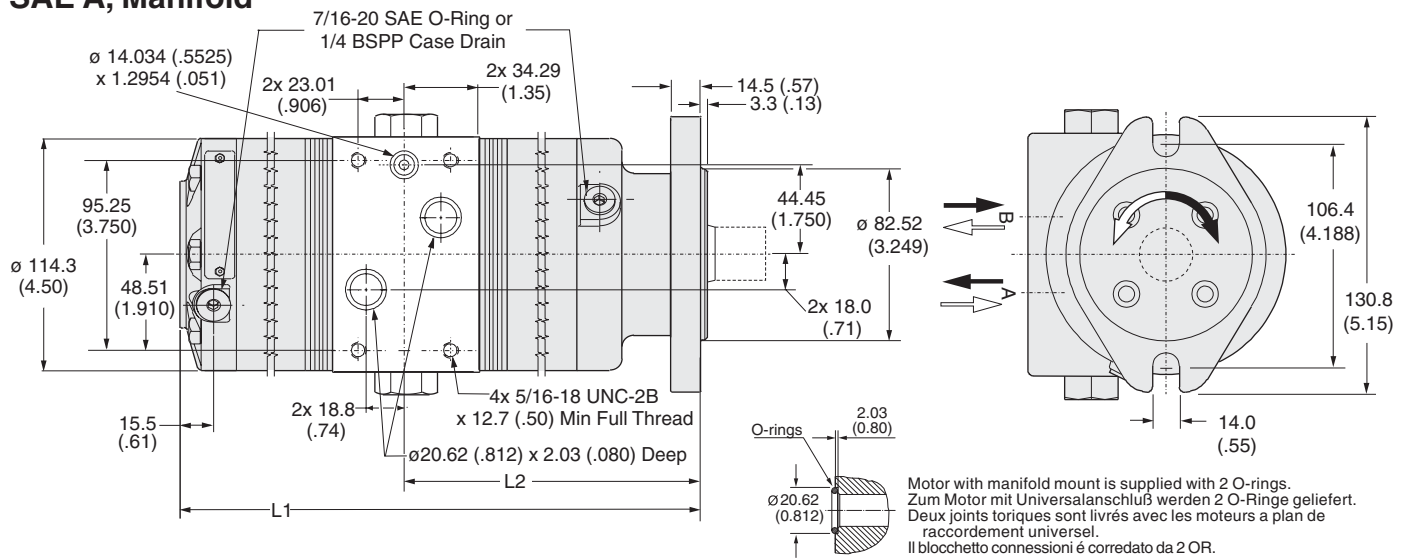
The allowable side load curve is based on L_{10} bearing life of 2.5×10^6 revolutions.
 Die zulässige radiale Wellenbelastung bezieht sich auf die Lager-Lebensdauer 2.5×10^6 Umdrehungen.
 L'effort radial admissible sur l'arbre depend a une duree de vie 2.5×10^6 de rotation.
 La curva de carga lateral admisible se basa en vida util de cojinete de 2.5×10^6 revoluciones.

Bearing Life Factor Curve
Chart B



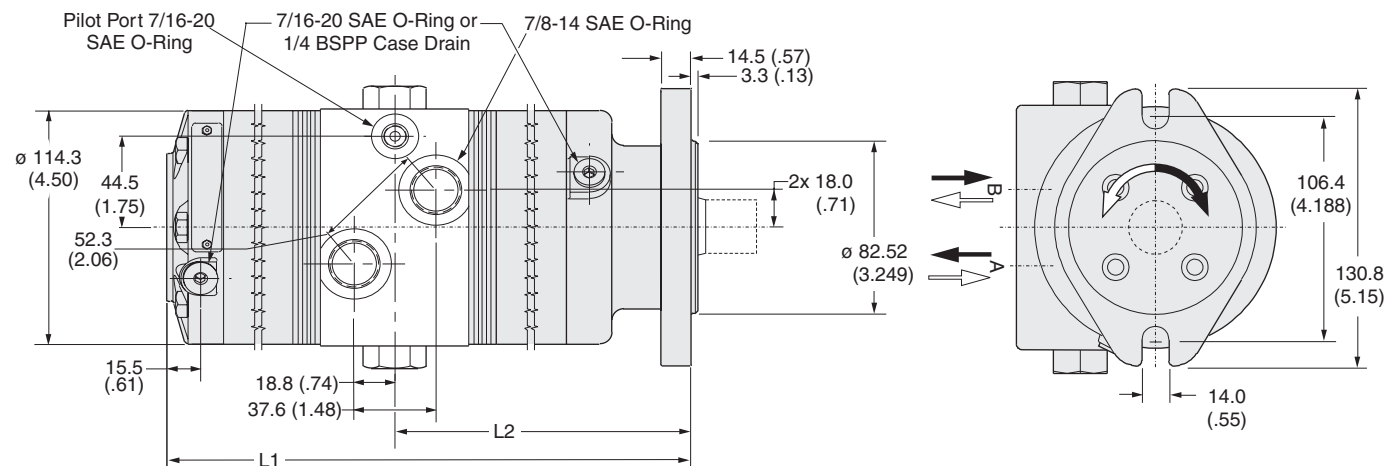
Note:
Side load should be considered a vector sum of all imposed loads.

Code: AM
SAE A, Manifold



Code AM	072	108	142	176	212	258
Weight/Gewicht kg	15.9	16.1	16.2	16.4	16.6	16.8
Poids/Peso (lb)	(35.0)	(35.4)	(35.7)	(36.1)	(36.5)	(37.0)
Length "L1" mm	214.6	224.3	233.7	243.3	253.2	266.0
	"L1" (in)	(8.45)	(8.83)	(9.20)	(9.58)	(10.47)
"L2" mm	123.2	128.0	132.9	137.7	142.5	148.8
	"L2" (in)	(4.85)	(5.04)	(5.23)	(5.42)	(5.86)

Code: AS
SAE A, 7/8"-14 SAE

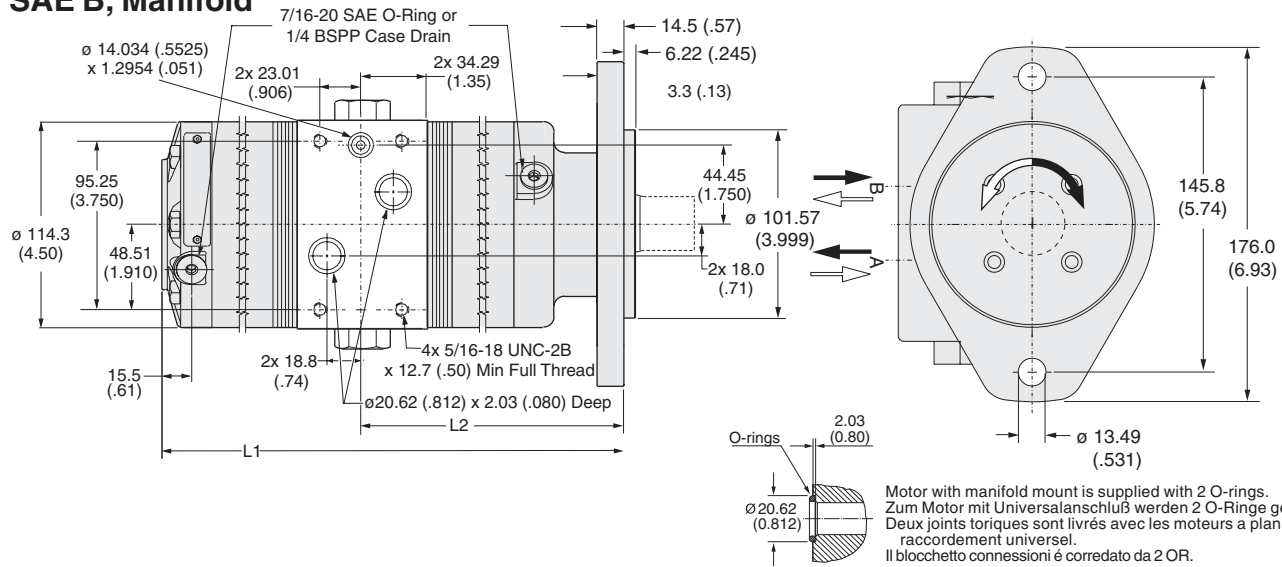


Code AS	072	108	142	176	212	258
Weight/Gewicht kg	15.9	16.1	16.2	16.4	16.6	16.8
Poids/Peso (lb)	(35.0)	(35.4)	(35.7)	(36.1)	(36.5)	(37.0)
Length "L1" mm	214.6	224.3	233.7	243.3	253.2	266.0
	"L1" (in)	(8.45)	(8.83)	(9.20)	(9.58)	(10.47)
"L2" mm	123.2	128.0	132.9	137.7	142.5	148.8
	"L2" (in)	(4.85)	(5.04)	(5.23)	(5.42)	(5.86)

English equivalents for metric specifications are shown in ().

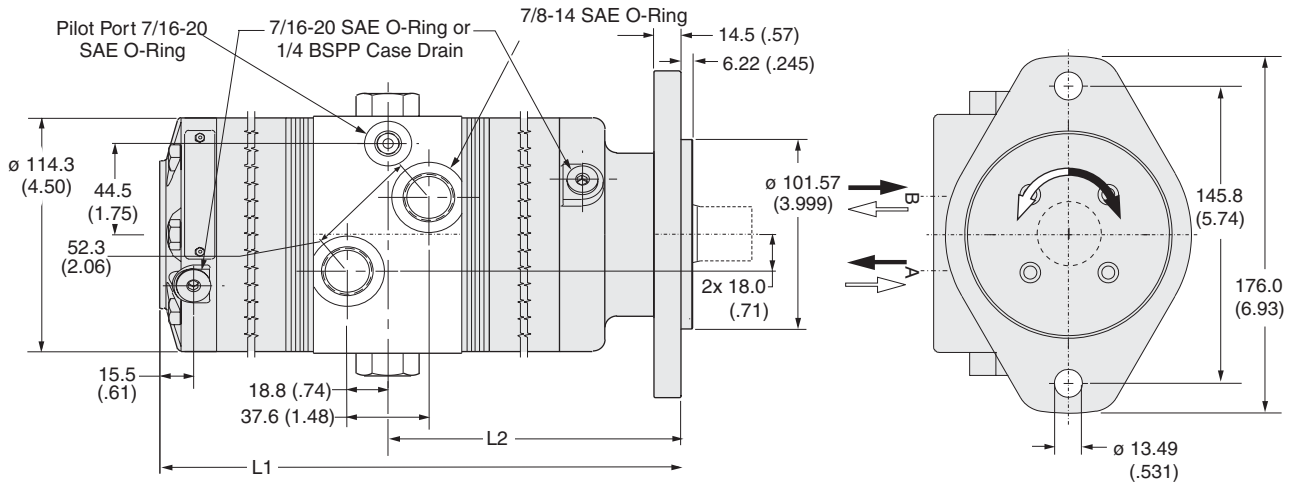
021 700.indd, js

Code: BM
SAE B, Manifold



Code BM		072	108	142	176	212	258
Weight/Gewicht	kg	15.9	16.1	16.2	16.4	16.6	16.8
Poids/Peso	(lb)	(35.0)	(35.4)	(35.7)	(36.1)	(36.5)	(37.0)
Length	"L1" mm	214.6	224.3	233.7	243.3	253.2	266.0
	"L1" (in)	(8.45)	(8.83)	(9.20)	(9.58)	(9.97)	(10.47)
	"L2" mm	123.2	128.0	132.9	137.7	142.5	148.8
	"L2" (in)	(4.85)	(5.04)	(5.23)	(5.42)	(5.61)	(5.86)

Code: BS
SAE B, 7/8"-14 SAE

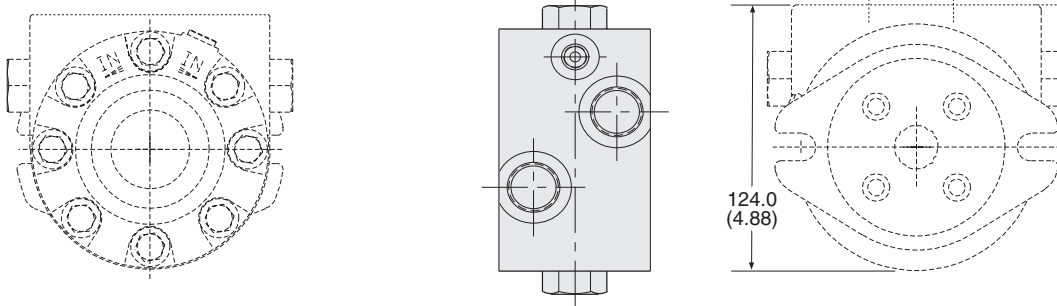


Code BS		072	108	142	176	212	258
Weight/Gewicht	kg	15.9	16.1	16.2	16.4	16.6	16.8
Poids/Peso	(lb)	(35.0)	(35.4)	(35.7)	(36.1)	(36.5)	(37.0)
Length	"L1" mm	214.6	224.3	233.7	243.3	253.2	266.0
	"L1" (in)	(8.45)	(8.83)	(9.20)	(9.58)	(9.97)	(10.47)
	"L2" mm	123.2	128.0	132.9	137.7	142.5	148.8
	"L2" (in)	(4.85)	(5.04)	(5.23)	(5.42)	(5.61)	(5.86)

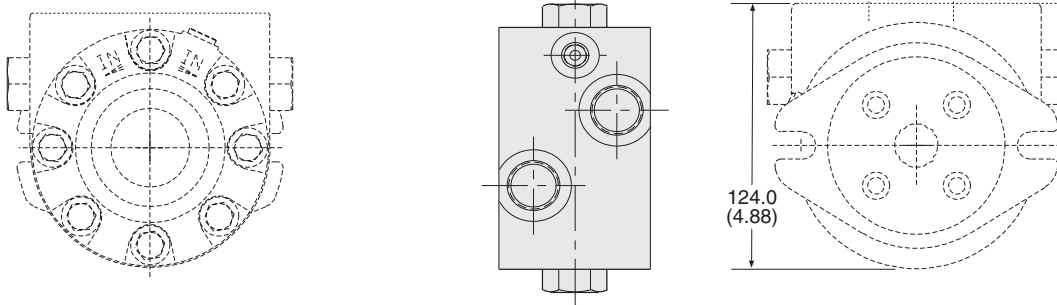
English equivalents for metric specifications are shown in ().

021 700.indd, js

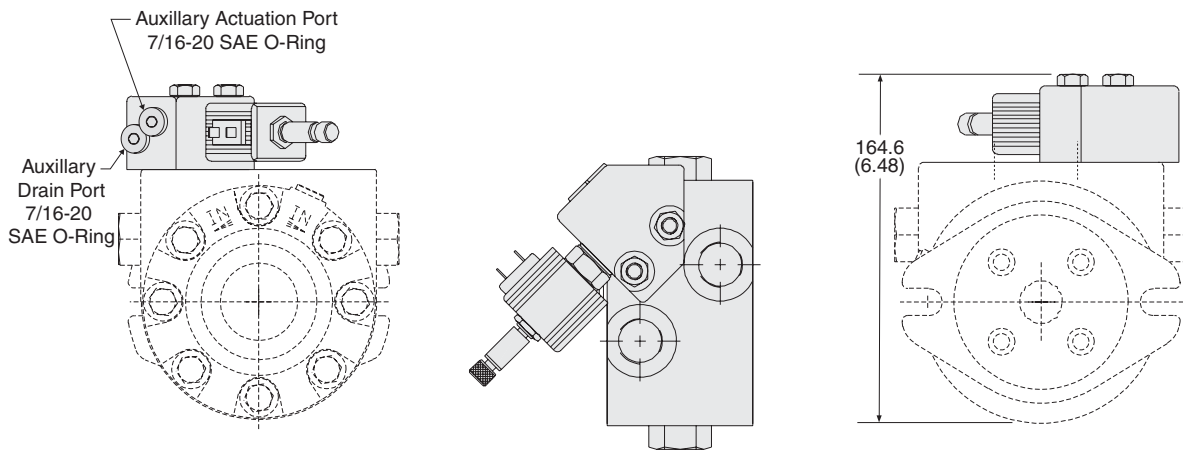
Code: PCL
Remotely Piloted, Closed, Parallel



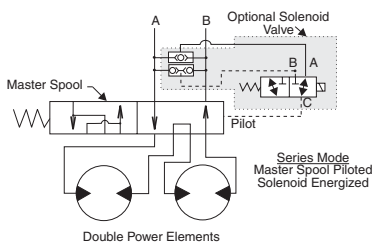
Code: POL
Remotely Piloted, Open, Parallel



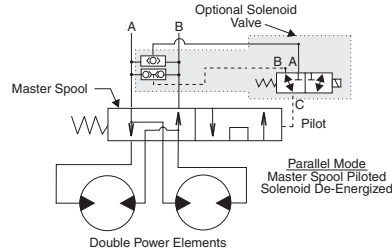
Code: SOL
Solenoid Actuated with Manual Override, Open, Parallel



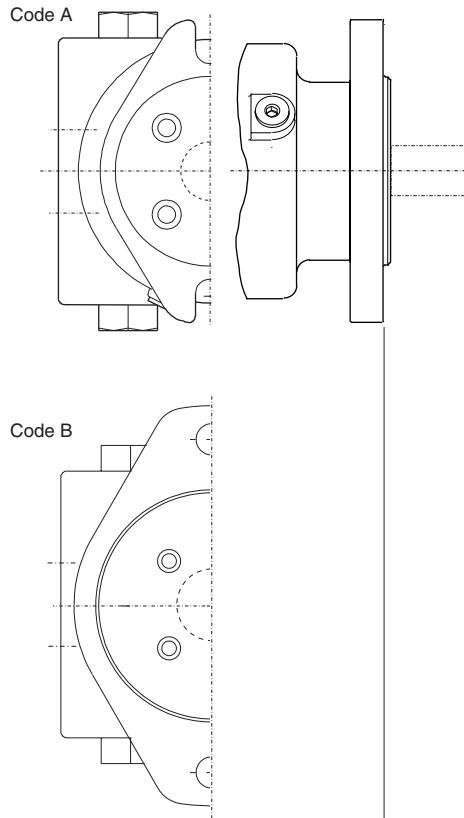
High Speed Series Mode



High Torque Parallel Mode

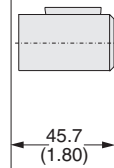


Add .5 kg (1.1 lb) for this option.
 English equivalents for metric specifications are shown in ().
 021 700.indd, js



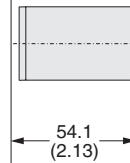
Code: 0

1" Keyed



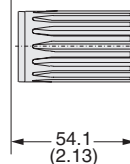
Code: 3

1-1/4" Keyed



Code: 5

1-1/4"-14 Tooth Spline

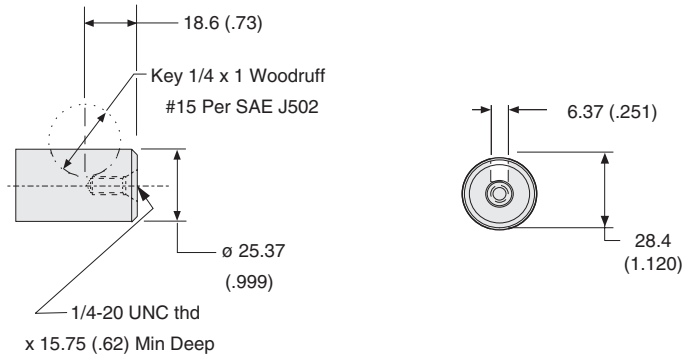


English equivalents for metric specifications are shown in ().

021 700.indd, js

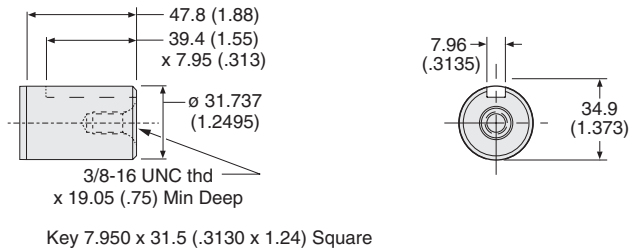
Code: 0

1" Keyed



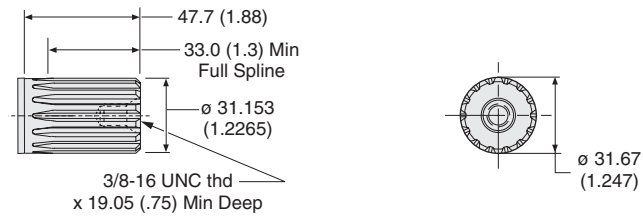
Code: 3

1-1/4" Keyed



Code: 5

1-1/4"-14 Tooth Spline



English equivalents for metric specifications are shown in ().

021 700.indd, js