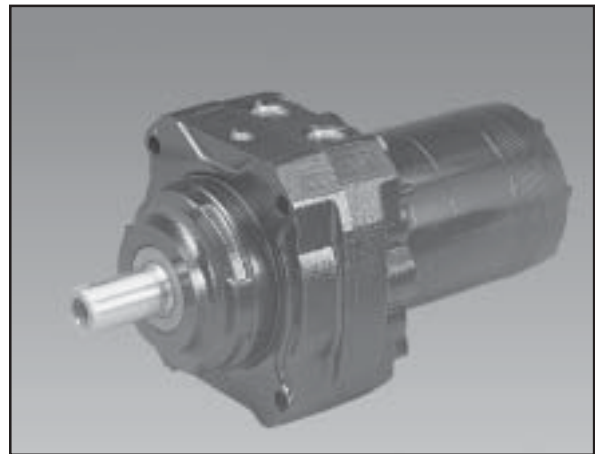


12 Displacements	(8.6 to 58.5 in ³ /rev)	
12 Schluckvolumen	140 . . . 958 cm ³ /rev	
12 Cylindrée		
12 Desplazamientos		
	Cont.	Int.
Maximum Pressure	(to 3000 psi)	(to 4000 psi)
Eingangsdruck	. . . 210 bar	. . . 280 bar
Pression entrée		
Presion Maxima		
Maximum Oil Flow	(to 30 gpm)	
Schluckstrom	. . . 114 lpm	
Débit d'huile		
Caudal Maximo de Aceite		
Maximum Speed	(660 rpm)	
Drehzahl	660 rpm	
Vitesse de rotation		
Velocidad Maxima		
	Cont.	Int.
Maximum Torque	(9,239 lb in)	(12,636 lb in)
MaxDrehmoment	1044 Nm	1428 Nm
Couple		
Torque Maximo		
Maximum Side Load at Key	(to 4790 lb)	
Seitenlast	. . . 21306 N	
Charges latérales		
Carga Maxima Lateral		

Exceptional Strength and Durability in a High Performance Motor/Brake Package

This brake motor consists of a BH Series motor integrated into a wet disc, spring applied, hydraulically released brake. The brake is rated for 12,000* lb-in of holding torque. The brake is front mounted for reliable operation even in the event of a drive link failure. The brake release port is capable of pressures to 3000 PSI. This brake is designed to be a parking brake only. Dynamic braking is not recommended.



Rated Brake Holding Capacity @ Zero Release Pressure Nm (in-lbs)	Maximum Full Release Pressure bar (PSI)
1350 (12,000)	22 (315)
12,000 in-lbs is standard holding capacity. For other holding capacities, consult the factory for price and availability.	

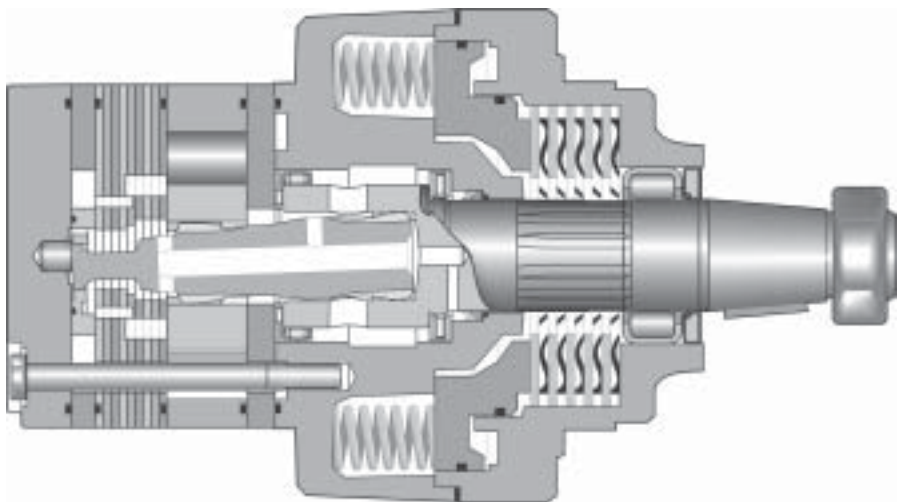
NOTE: A & C Mounting Only

Operation of this unit with the shaft positioned upward away from the horizon by more than 30° is not recommended. Operation of this unit other than horizontal should be tested and approved prior to production.

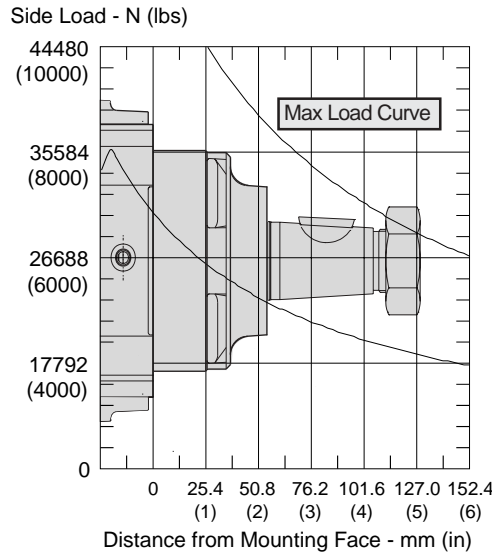
This brake is designed to be a parking brake only. Dynamic braking is not recommended.

Brake service interval: the springs and seals should be serviced at or before 500,000 brake cycles.

Customer installation bolts (4) should be 12 mm (.5 in) dia and torqued to a minimum of 122 Nm (90 ft-lbs).



Wheel Mount/Radnabengenhause
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 provisionarias de impacto.

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

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

Equation to calculate the allowable side load "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:

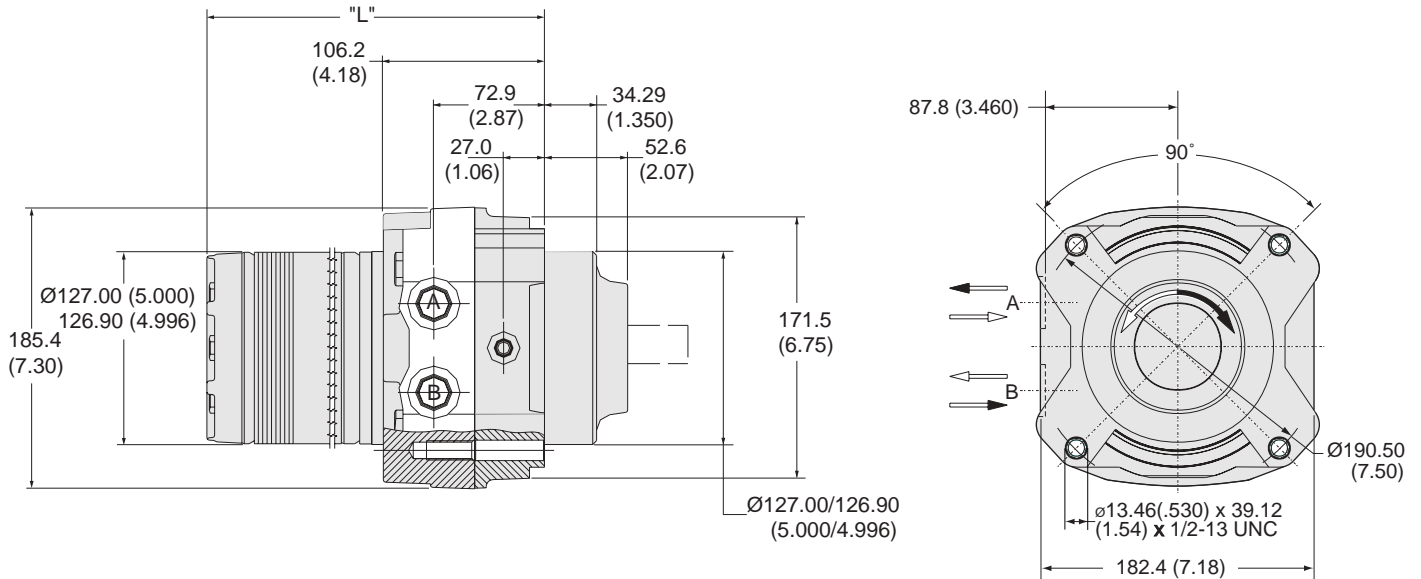
- S = Shaft Speed RPM / Abtriebswellendrehzahl in min^{-1}
- L = Life In Hours / Lebensdauer in Stunden
- F_a = Allowable side load defined by above curve at a distance from mounting flange. / Erlaubte radiale Wellenbelastung als Funktion der Laenge
- F_b = Application side load. / Anwendungsseitige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

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



Code: A 

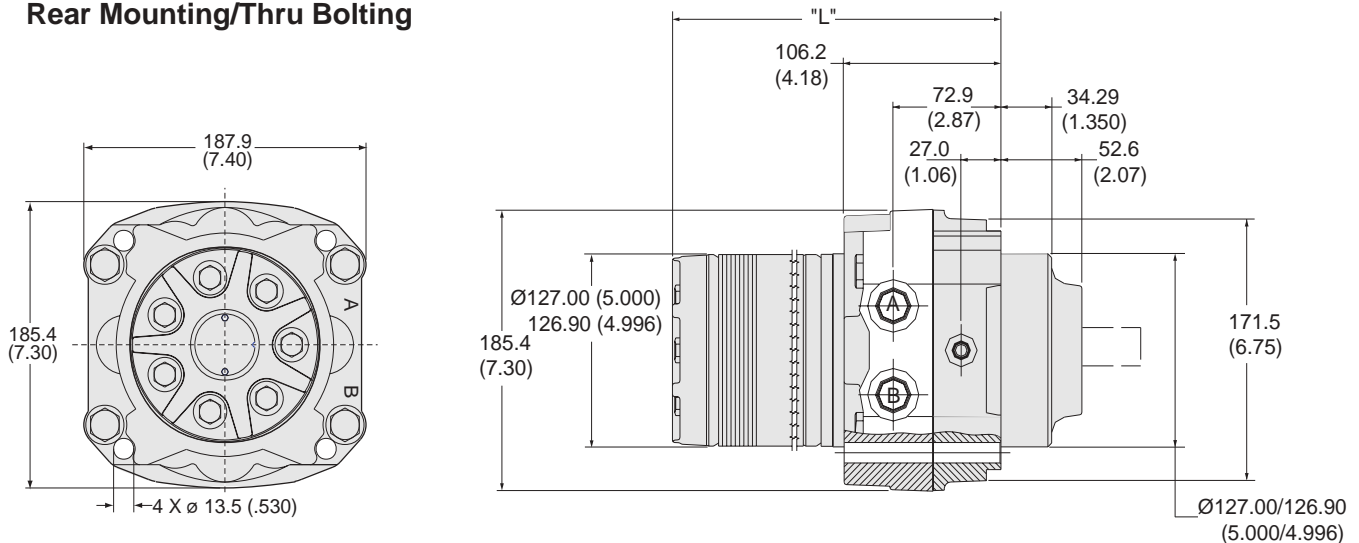
Front Mounting / Front Bolting



Code A		0140	0170	0195	0240	0280	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	kg	27.3	27.5	27.8	28.1	28.5	28.9	29.5	30.2	30.9	31.7	33.2	34.9
Poids/Peso	(lb)	(60.2)	(60.8)	(61.3)	(62.1)	(63.0)	(63.9)	(65.2)	(66.7)	(68.3)	(69.9)	(73.3)	(77.1)
Length	"L" mm	198.6	201.7	205.0	209.6	214.4	220.7	228.1	236.7	243.1	252.5	271.5	290.6
	"L" (in)	(7.82)	(7.94)	(8.07)	(8.25)	(8.44)	(8.69)	(8.98)	(9.32)	(9.57)	(9.94)	(10.69)	(11.44)

Code: C 

Rear Mounting/Thru Bolting



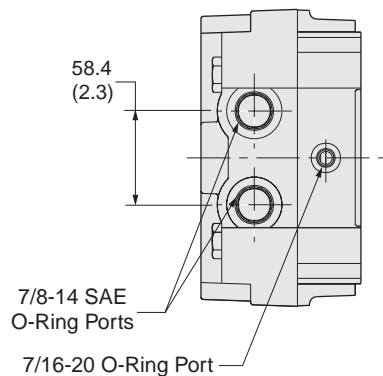
Code C		0140	0170	0195	0240	0280	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	kg	27.3	27.5	27.8	28.1	28.5	28.9	29.5	30.2	30.9	31.7	33.2	34.9
Poids/Peso	(lb)	(60.2)	(60.8)	(61.3)	(62.1)	(63.0)	(63.9)	(65.2)	(66.7)	(68.3)	(69.9)	(73.3)	(77.1)
Length	"L" mm	198.6	201.7	205.0	209.6	214.4	220.7	228.1	236.7	243.1	252.5	271.5	290.6
	"L" (in)	(7.82)	(7.94)	(8.07)	(8.25)	(8.44)	(8.69)	(8.98)	(9.32)	(9.57)	(9.94)	(10.69)	(11.44)

English equivalents for metric specifications are shown in ().

1509.p65.pfm,gm

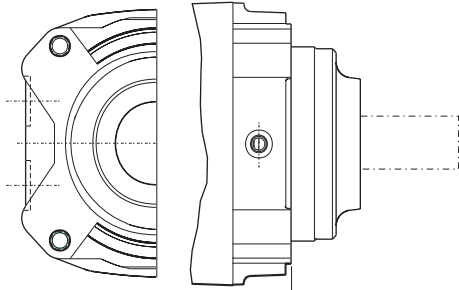
Code: S **US**

7/8-14 SAE O-Ring



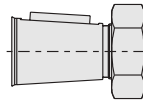
English equivalents for metric specifications are shown in ().

1509.p65.pfm.gm



Code: 31

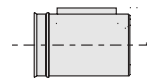
1 1/2" J501 Taper



130.0
(5.12)

Code: 32

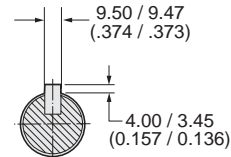
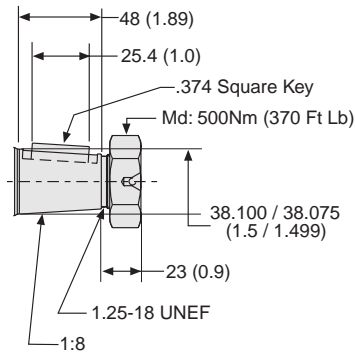
1 1/2" Keyed



116.4
(4.58)

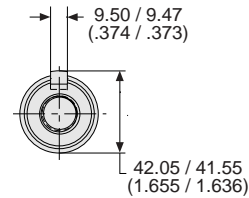
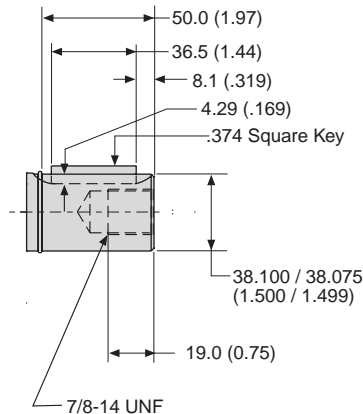
Code: 31

1 1/2" J501 Taper



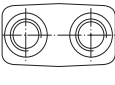
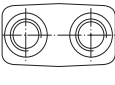
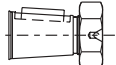

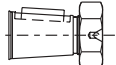

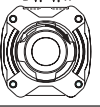

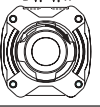


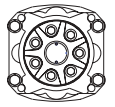

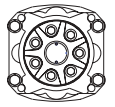
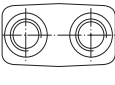
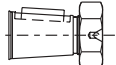

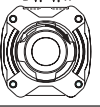


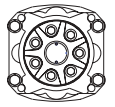
Code: 32

1 1/2" Keyed



English equivalents for metric specifications are shown in ().

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BH	XXXX	X	X	XX	X	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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* Castle nut available on Tapered Shafts Only.
Ecrou a creneaux degages disponible pour l'arbre conique seulement
Solo eje conico viene con tuerca entallada