13 Displacements	(8.6 to 58.5 in3/rev)
13 Schluckvolumen	**141 . . . 959 cm³/rev**
13 Cylindrée	
13 Despazamientos	

	Cont.	Int.
Maximum Pressure	(3000 psid)	(4000 psid)
Eingangsdruck	**. . . 207 bar**	**. . . 276 bar**
Pression entrée		
Presion Maxima		

Maximum Oil Flow	(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		

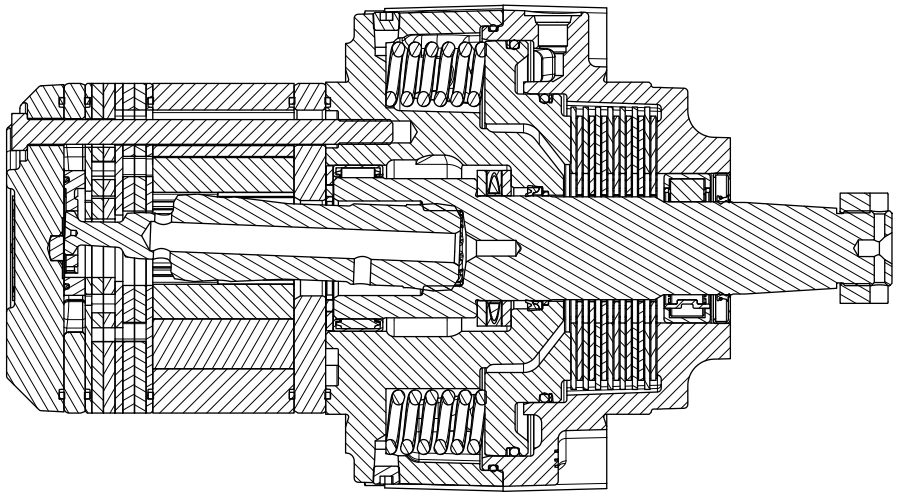
Maximum Side Load at Key	(4790 lb)
Seitenlast	**. . . 21306 N**
Charges latèrales	
Carga Maxima Lateral	

⚠ CAUTION!
See installation/operating instructions for product cautions and proper use.

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. Standard holding capacity is 16,000 lb in of holding torque. The brake is front mounted for reliable operation even in the event of a system failure. The brake release port is capable of pressures to 3000 PSI.

Rated Brake Holding Capacity @ Zero Release Pressure Nm (in-lbs)	Minimum Full Release Pressure bar (PSI)
1800 (16,000)	22 (320)
16,000 in-lbs is standard holding capacity. For other holding capacities, see option codes.	



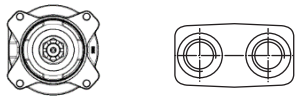
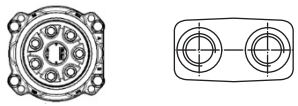
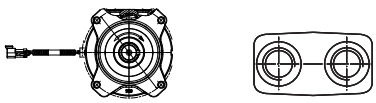
* With optional spring package.

BH
Series

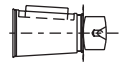
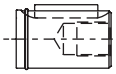
XXXX
Displacement
Schluckvolumen
Cylindrée
Desplazamiento

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

XX
Mounting/Ports
Gehäuse/Anschluß
Carter/Plan de raccordement
Montaje/Lumbreras

Code	Mounting/Ports
AS	Front Mtg/Front Bolting 1/2-13 UNC Thd 7/8-14 SAE 
CS	Rear Mtg/Thru Bolting, 7/8-14 SAE 
Custom Order DS	Front Mtg/Thru Bolting, 7/8 - 14 O Ring Port 
Speed Sensor GS (SS) (3OC)	Rear Mtg/Thru Bolting, 7/8-14 SAE 
Speed Sensor HS (SS) (9OC)	Rear Mtg/Thru Bolting, 7/8-14 SAE 

XX
Shaft
Welle
Arbre
Eje

Code	Shaft
31	1 1/2" J501 Taper 
Custom Order 32	1 1/2" Keyed 

For performance data curves, see TH section.

Shaded areas indicate custom order components. Standard pricing and delivery terms may not apply to these components. Please refer to the price list for details, or consult your Parker Pump Motor division Sales Resource.

0

Rotation
Drehrichtung
Direction de rotation
Rotacion

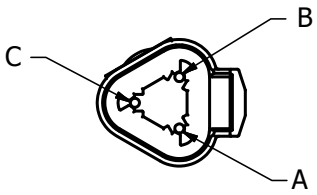
Code	Front Port Rotation
0	Standard 
1	Reverse Timed Manifold 

XXXX

Options
Opciones

Code	Options
AAAA	"Standard", Black Paint (045134)
AAAB	"Standard", No Paint
AAXY	"Standard", Black Paint (045134), 9.000 in-lbs holding torque

Speed Sensor (DT04-3P Connector Shown)



FUNCTION	COLOR	PIN / TERM
SUPPLY (V+)	RED	A
GROUND	BLACK	B
OUTPUT	WHITE	C

SPEED SENSOR NOTES:

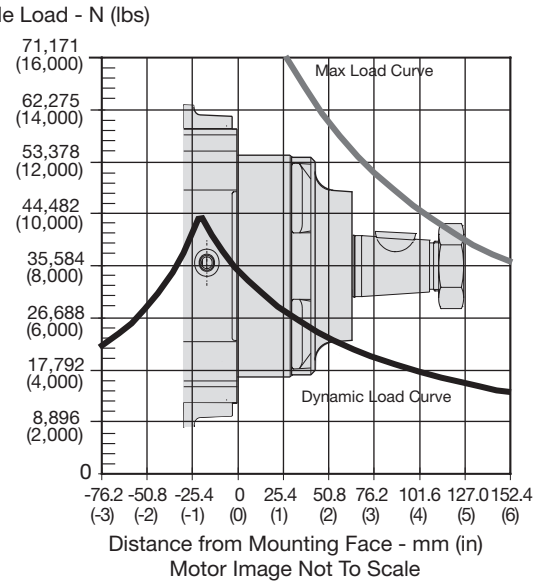
1. SENSOR CHARACTERISTICS:

OPERATING VOLTAGE RANGE: 5 TO 27 VDC
OPERATING TEMPERATURE RANGE: -40° TO 110° C OPERATING FREQUENCY RANGE: 0 TO 15 kHz
MAXIMUM SUPPLY CURRENT: 13.5 mA
OUTPUT: OPEN COLLECTOR (NO INTERNAL PULL-UP RESISTOR,
470 OHM SERIES REVERSE POLARITY PROTECTION)
SENSOR PROVIDES REVERSE POLARITY PROTECTION

2. SENSOR AND TARGET OUTPUT: 30 PULSE PER REVOLUTION

Shaded areas indicate custom order components. Standard pricing and delivery terms may not apply to these components. Please refer to the price list for details, or consult your Parker Pump Motor division Sales Resource.

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 provisorias de impacto.

The dynamic side load curve is based on uni-directional steady state loads for L_{10} bearing life at 6 x 10^6 revolutions.
Die zulässige auslegbare radiale Wellenbelastungskurve ist unter ruhenden, einseitig statisch gerichteten Lastverhältnissen auf eine L_{10} Lebensdauer mit 6 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 6 x 10^6 révolutions.
La curva de valores admisibles de carga lateral está basada en cargas constantes para cojinetes L_{10} a 6 x 10^6 revoluciones.

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.

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

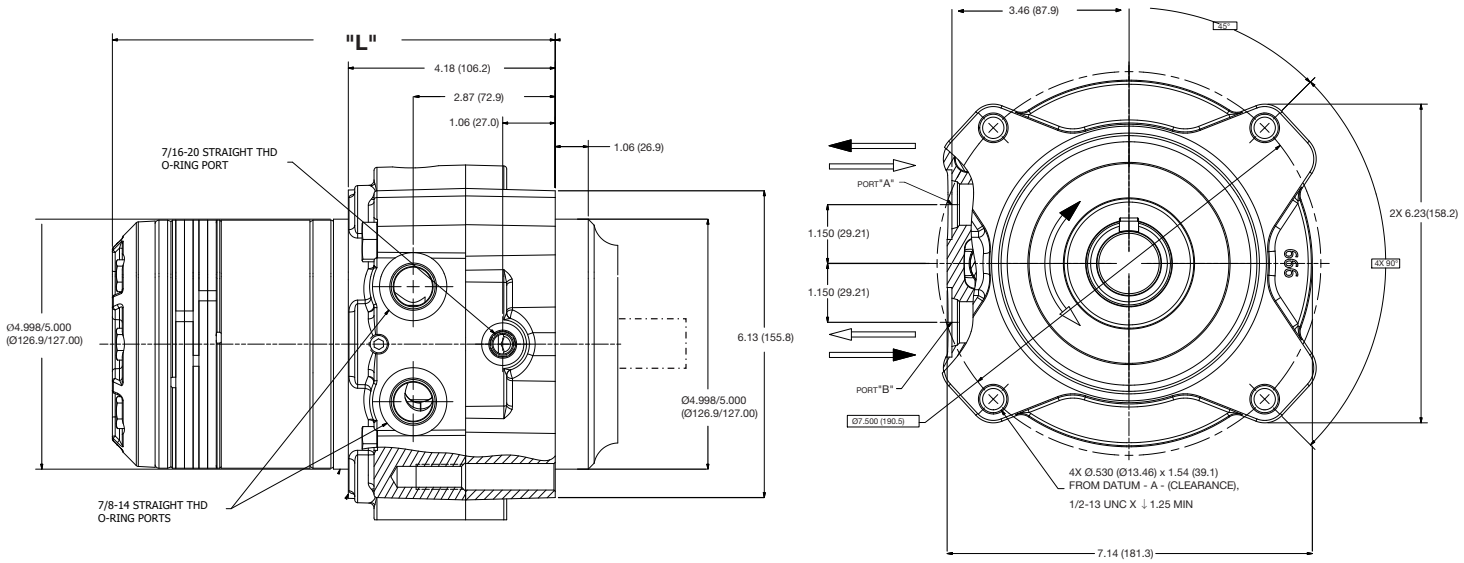
Where / Mit:

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

Code: AS

Front Mtg/Front Bolting 1/2-13 UNC Thd 7/8-14 SAE

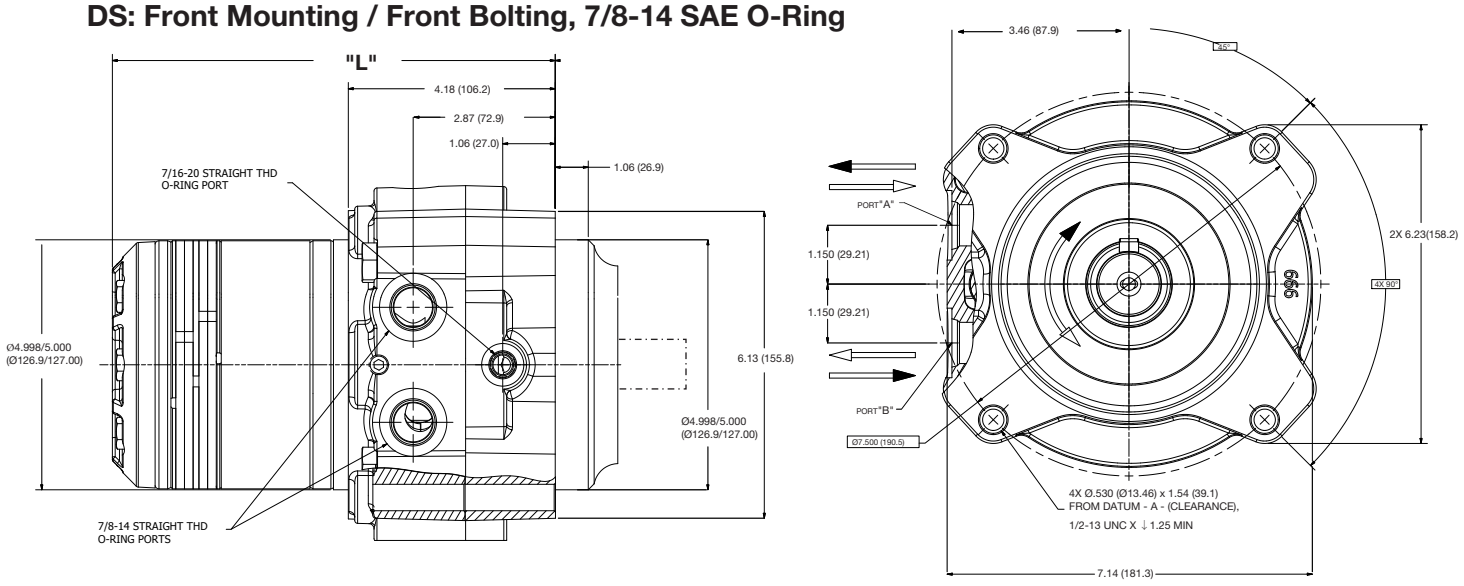


Code AS		0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**26.7**	**27.0**	**27.2**	**27.5**	**28.0**	**28.2**	**28.4**	**29.0**	**29.6**	**30.4**	**31.1**	**32.6**	**34.4**
Poids/Peso	(lb)	(58.7)	(59.3)	(59.8)	(60.6)	(61.5)	(62.0)	(62.4)	(63.7)	(65.2)	(66.8)	(68.4)	(71.8)	(75.6)
Length	**"L" mm**	**198.6**	**201.7**	**205.0**	**209.6**	**214.4**	**217.9**	**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)	(8.58)	(8.69)	(8.98)	(9.32)	(9.57)	(9.94)	(10.69)	(11.44)

Code: CS/DS

CS: Rear Mounting / Thru Bolting, 7/8-14 SAE O-Ring

DS: Front Mounting / Front Bolting, 7/8-14 SAE O-Ring

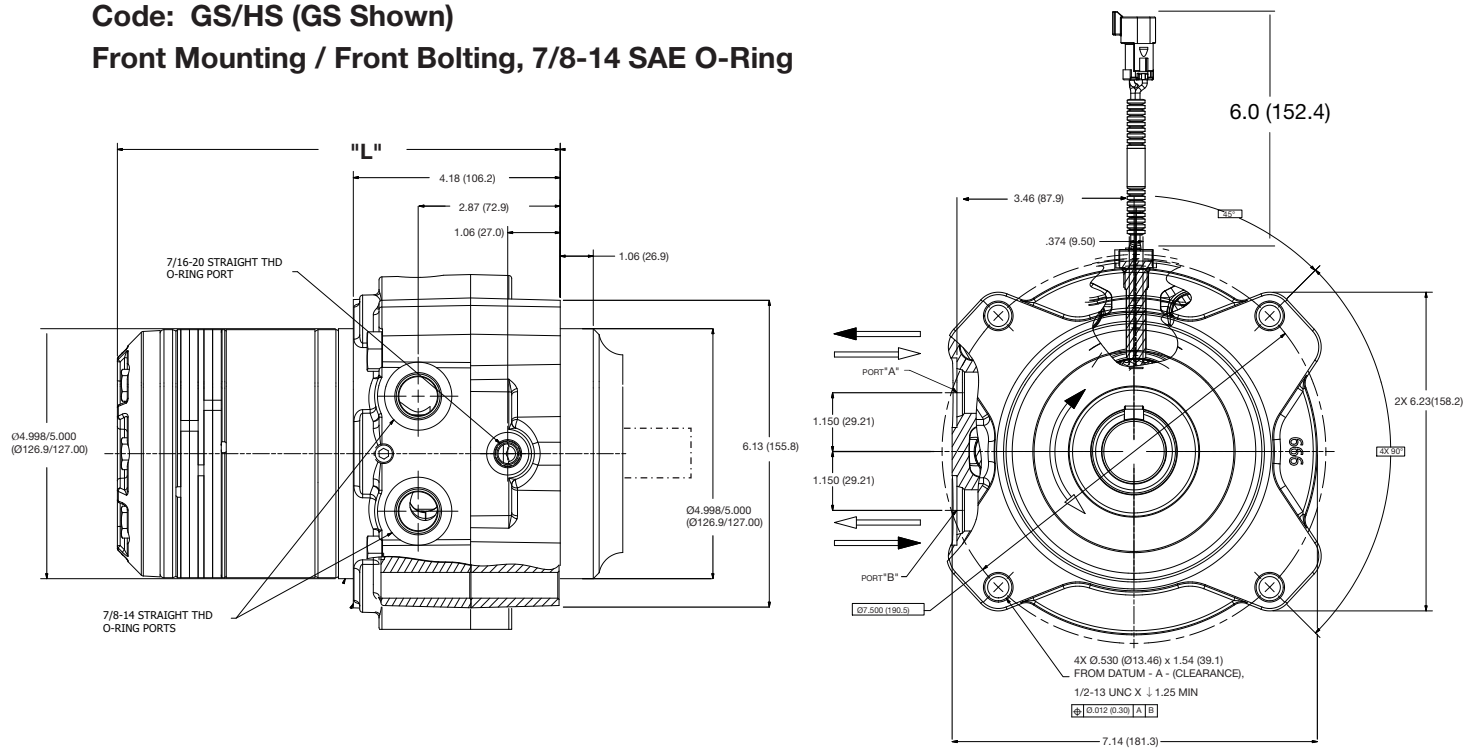


Code CS		0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**26.7**	**27.0**	**27.2**	**27.5**	**28.0**	**28.2**	**28.4**	**29.0**	**29.6**	**30.4**	**31.1**	**32.6**	**34.4**
Poids/Peso	(lb)	(58.7)	(59.3)	(59.8)	(60.6)	(61.5)	(62.0)	(62.4)	(63.7)	(65.2)	(66.8)	(68.4)	(71.8)	(75.6)
Length	**"L" mm**	**198.6**	**201.7**	**205.0**	**209.6**	**214.4**	**217.9**	**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)	(8.58)	(8.69)	(8.98)	(9.32)	(9.57)	(9.94)	(10.69)	(11.44)

English equivalents for metric specifications are shown in ( ).

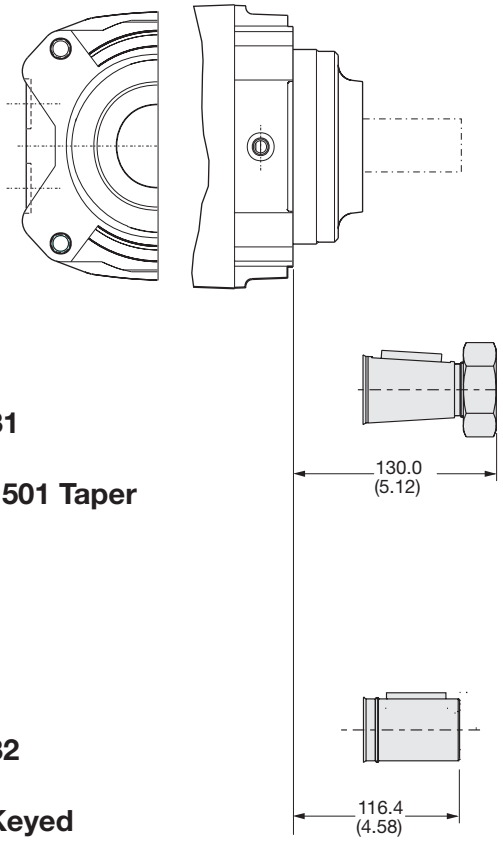
Code: GS/HS (GS Shown)

Front Mounting / Front Bolting, 7/8-14 SAE O-Ring



Code AS		0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Weight/Gewicht	**kg**	**26.7**	**27.0**	**27.2**	**27.5**	**28.0**	**28.2**	**28.4**	**29.0**	**29.6**	**30.4**	**31.1**	**32.6**	**34.4**
Poids/Peso	(lb)	(58.7)	(59.3)	(59.8)	(60.6)	(61.5)	(62.0)	(62.4)	(63.7)	(65.2)	(66.8)	(68.4)	(71.8)	(75.6)
Length **"L"**	**mm**	**198.6**	**201.7**	**205.0**	**209.6**	**214.4**	**217.9**	**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)	(8.58)	(8.69)	(8.98)	(9.32)	(9.57)	(9.94)	(10.69)	(11.44)

English equivalents for metric specifications are shown in ( ).

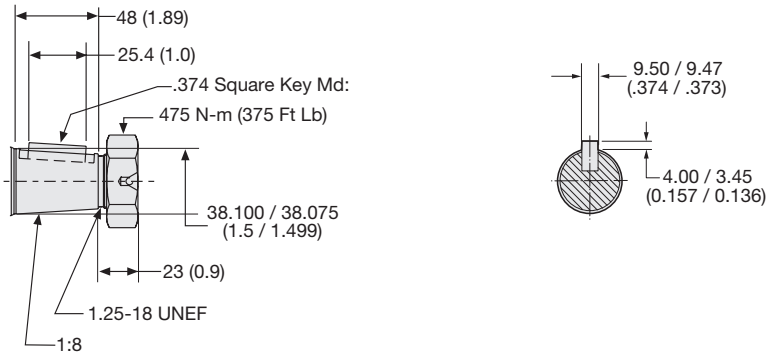


Code: 31

1 1/2" J501 Taper

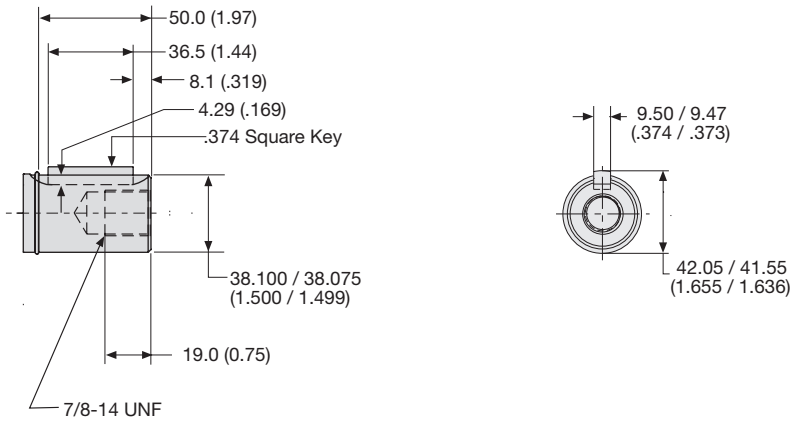
Code: 32

1 1/2" Keyed



Code: 31

1 1/2" J501 Taper



Code: 32

1 1/2" Keyed

English equivalents for metric specifications are shown in ( ).