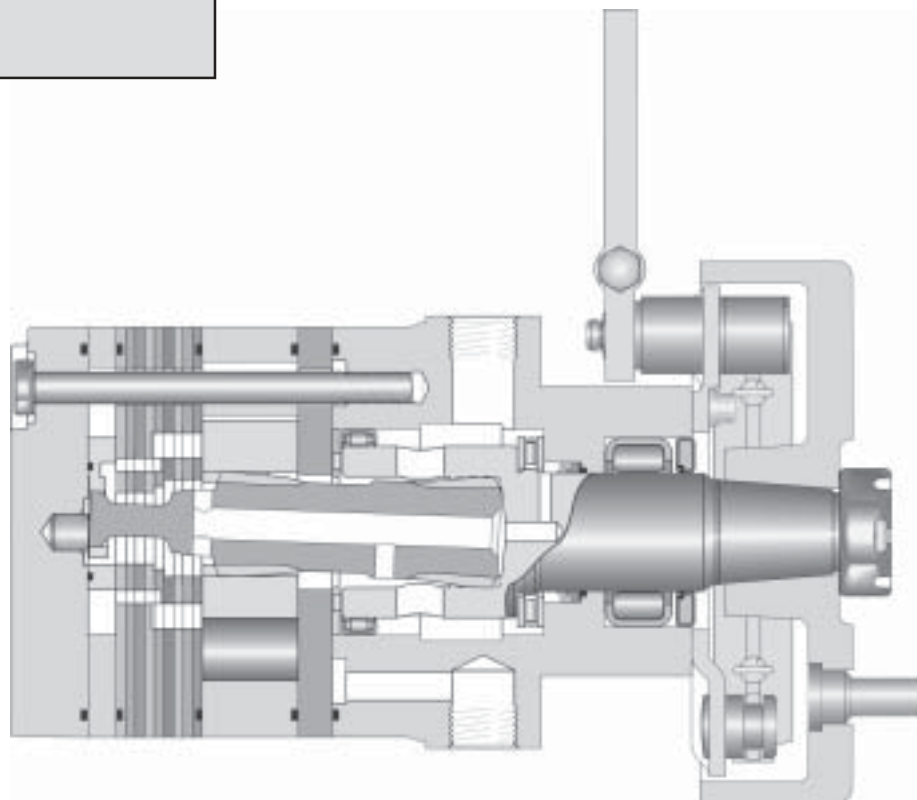


11 Displacements	(4.9 - 29.1 in ³ /rev)	
11 Schluckvolumen	81 . . . 477 cm ³ /rev	
11 Cylindrée		
11 Despazamientos		
	Cont.	Int.
Maximum Pressure	(to 3000 psi)	(to 4000 psi)
Eingangsdruck	. . . 210 bar	. . . 281 bar
Pression entrée		
Presion Maxima		
Maximum Oil Flow	(to 25 gpm)	
Schluckstrom	. . . 95 lpm	
Débit d'huile		
Caudal Maximo de Aceite		
Maximum Speed	(749 rpm)	
Drehzahl	749 rpm	
Vitesse de rotation		
Velocidad Maxima		
	Cont.	Int.
Maximum Torque	(6027 lb in)	(8106 lb in)
Max Drehmoment	681 Nm	916 Nm
Couple Maxi		
Torque Maximo		
Maximum Side Load at Key	(to 3597 lb)	
Seitenlast	. . . 16000 N	
Charges latérales		
Carga Maxima Lateral		

A Mechanical Brake Motor for Tough Applications

Parker's latest DF Series motor is truly another innovation the market has been waiting for. The compact size, reliable holding capability and ease of installation makes this new mechanical parking brake motor the perfect choice for many turf or agricultural applications using hydraulics for wheel motors. This mechanically applied version of the brake motor is available in 11 motor displacements 80 cm³/rev (4.9 in³/rev) to 475 cm³/rev (29.1 in³/rev). Pressure capacities are up to 280 bar (4,000 psi) intermittent and 210 bar (3,000 psi) continuous. Flows up to 95 lpm (25 gpm) and speed up to 749 rpm are available. Motor output torque up to 916 Nm (8,106 lb in) intermittent and 681 Nm (6,027 lb in) continuous is available.



Holding capacity is 497 Nm (4,400 in lbs) with 68 Nm (600 in lbs) of input torque at lever pivot. Brake capacities are typical for non-burnished brake shoe. OEM testing required to verify actual field conditions.

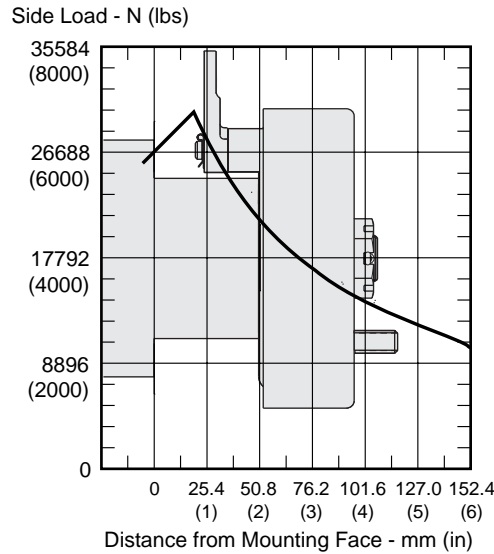
Das maximale Bremsmoment von 497 Nm (4400 in lbs) wird erreicht durch Betätigung des Bremshebels mit 68 Nm (600 in lbs). Genannte Einsatzdaten beziehen sich auf Neuprodukte.

Die Eignung der Geräte ist vom Anwender für den jeweiligen Einsatz individuell zu prüfen.

La puissance de maintien est de 497 Nm (4400 pouces-livres) avec couple d'entrée au pivot du levier de 68 Nm (600 pouces-livres). Les puissances de freinage sont typiques pour des sabots de frein non brunis. Les essais imposés par le constructeur d'origine exigent la vérification des conditions réelles sur place.

Capacidad de retención de 497 N-m (4.400 libras-pulgada) con 69 N-m (600 libras-pulgada) de torque de entrada en el brazo de articulación. Los valores de capacidad de frenado son típicas para zapatas de freno no bruñidas. Para fabricantes de equipos originales se deben efectuar pruebas bajo condiciones reales de funcionamiento.

Wheel Mount/Radnabengehäuse
Monture à roue/ Montaje de rueda



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

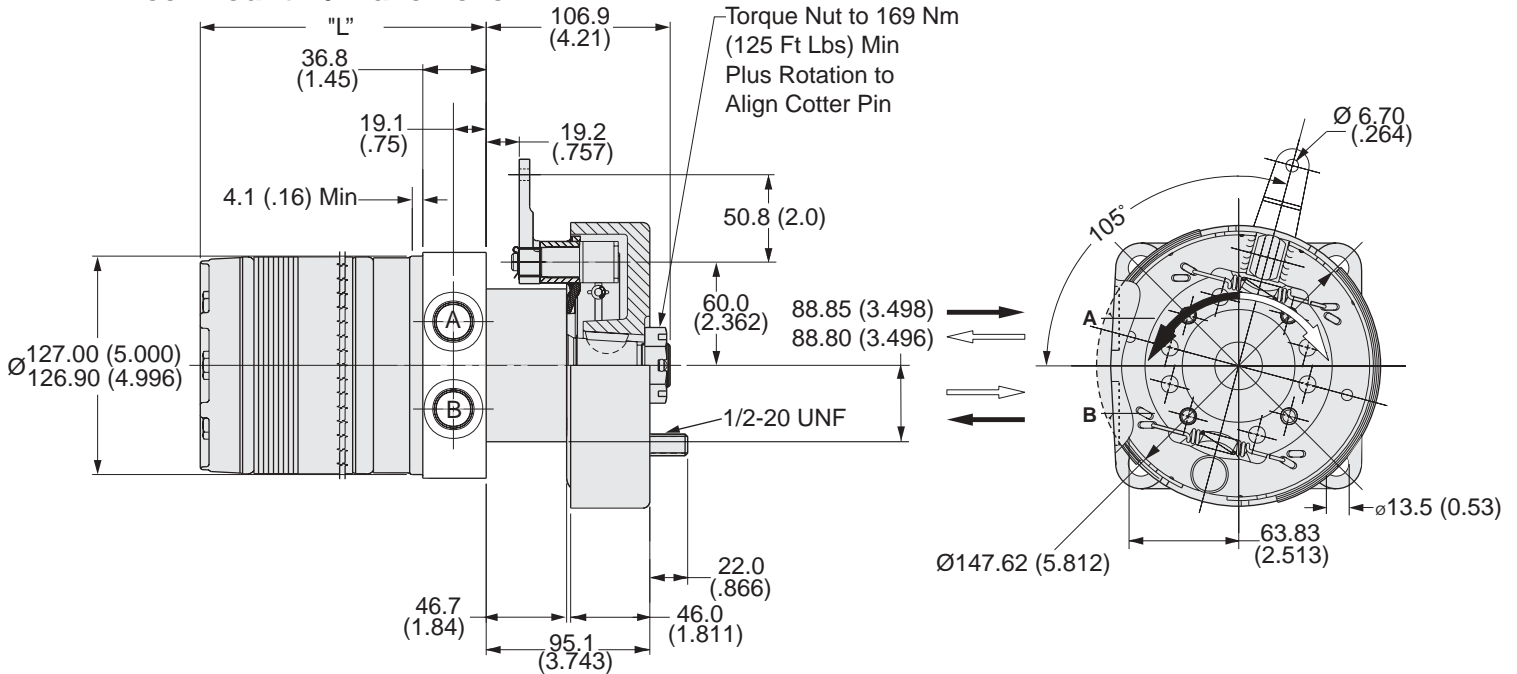
Note: Calculations are based on L_{10} bearing life per ISO 281.
Auslegung basiert auf einer L_{10} Lebensdauer nach ISO 281



Mounting / Gehäuse
Carter / Montaje

Code: A ^{US}

Wheel Mount w/Brake Lever



Note:

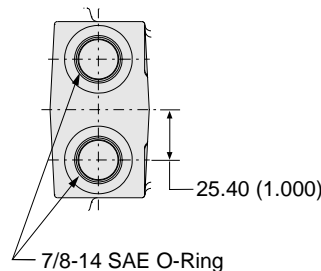
1. Brake Acuation Lever can be positioned in 11.25° increments from that shown.
2. Brake Acuation Lever is shipped unattached, secured with wire or tiwrap to assembly.
1. Bremshebel ist kreisförmig in Sgmenten von 11.25 ° positionierbar.
2. Hebel ist anbei. Endmontage erforderlich.
1. Le levier de commande du frein peut être positionné à des échelons d'accroissement de 11,25° de ce qui est montré.
2. Le levier de commande du frein est expédié sous forme détachée; il est attaché à l'ensemble avec du fil ou du ruban.
1. El brazo de actuación del freno se puede colocar en avances de 11,25 grados con respecto a la posición mostrada.
2. El brazo de actuación del freno se suministra suelto, sin conexión, sólo atado provisoriamente al mecanismo.

Code "A"	disp.	0080	0100	0130	0140	0170	0195	0240	0280	0360	0405	0475
Weight/Gewicht	kg	18.0	18.1	18.3	18.4	18.7	19.0	19.4	19.7	20.4	21.0	21.7
Poids/Peso	(lb)	(39.74)	(39.84)	(40.34)	(40.64)	(41.14)	(41.84)	(42.74)	(43.34)	(45.04)	(46.34)	(47.74)
Length	"L" mm	146	146	149	151	154	157	162	167	176	180	189
	"L" (in)	(5.73)	(5.73)	(5.85)	(5.92)	(6.04)	(6.17)	(6.35)	(6.54)	(6.92)	(7.08)	(7.42)

Ports / Anschlüsse
Orifices / Lumbreras

Code: S ^{US}

7/8-14 SAE O-Ring



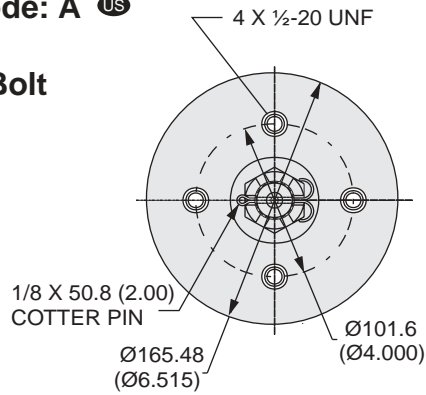
English equivalents for metric specifications are shown in ().

1509.p65.gel.gm

Drum Type/Trommelbremse/
Tipo de tambor/
Genre de Tambour

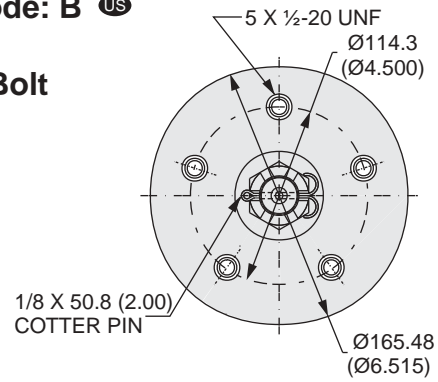
Code: A 

4 Bolt



Code: B 

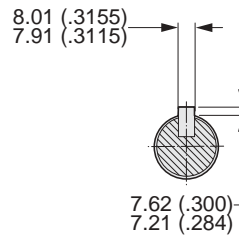
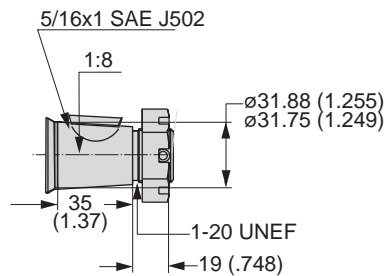
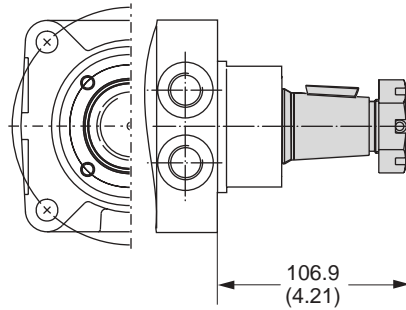
5 Bolt



Shafts / Abtriebswellen
Arbre / Ejes

Code: 8  

1 1/4" Taper



English equivalents for metric specifications are shown in ().

1509.p65.gel.gm



DF

Series

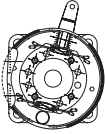
XXXX

Displacement
 Schluckvolumen
 Cylindrée
 Desplazamiento

Code	cm ³ /U / cm ³ /rev cm ³ /tr / cm ³ /giro
0080	4.9 / 81
0100	6.1 / 100
0130	7.8 / 128
0140	8.6 / 141
0170	10.3 / 169
0195	12.0 / 195
0240	14.5 / 237
0280	17.1 / 280
0360	22.2 / 364
0405	24.7 / 405
0475	29.1 / 477

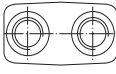
X

Mounting
 Gehäuse
 Carter
 Montaje

Code	Mounting	Avail.
A	Wheel Mt. w/Brake Lever @ 105° 	US
B	Wheel Mt. w/Brake Lever @ 165°	US
C	Wheel Mt. w/Brake Lever @ 195°	US
D	Wheel Mt. w/Brake Lever @ 255°	US
E	Wheel Mt. w/Brake Lever @ 285°	NA
F	Wheel Mt. w/Brake Lever @ 345°	US
G	Wheel Mt. w/Brake Lever @ 15°	US
H	Wheel Mt. w/Brake Lever @ 75°	US

S

Ports
 Anschluß
 Plan de raccordement
 Lumberras


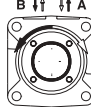
Code	Ports	Avail.
S	7/8-14 SAE 	US


X
 Drum Type
 Trommelbremse
 Tipo de tambor
 Genre de tambour

8
 Shaft
 Welle
 Arbore
 Eje

X
 Rotation
 Drehrichtung
 Direction de rotation
 Rotacion



XXXX
 Options
 Opciones

Code	Front Port Rotation	Avail.
0	Standard 	US
1	Reverse Timed Manifold 	US

Code	Shaft	Avail.
8	1 1/4" Tapered 	US

Code	Description	Avail.
AAAB	No Paint No lackiert	US
AAAA	Black Paint Schwarz lackiert	US

See Page 219 for Additional Options

Code	Drum Type	Avail.
A	 4 Bolt	US
B	 5 Bolt	US

