

Auburn Gear

Engineered Drive Solutions



Features:

- High capacity tapered roller bearings
- Multi-labyrinth cartridge seal
- Disconnect feature standard
- Optimized gear geometry provides increased power density
- Integral park brakes available

Power Wheel[®]
Model 71CD Drives
Compact Final Drives

260.925.3200 AuburnGear.com

Power Wheel® Model 71CD Compact Final Drive

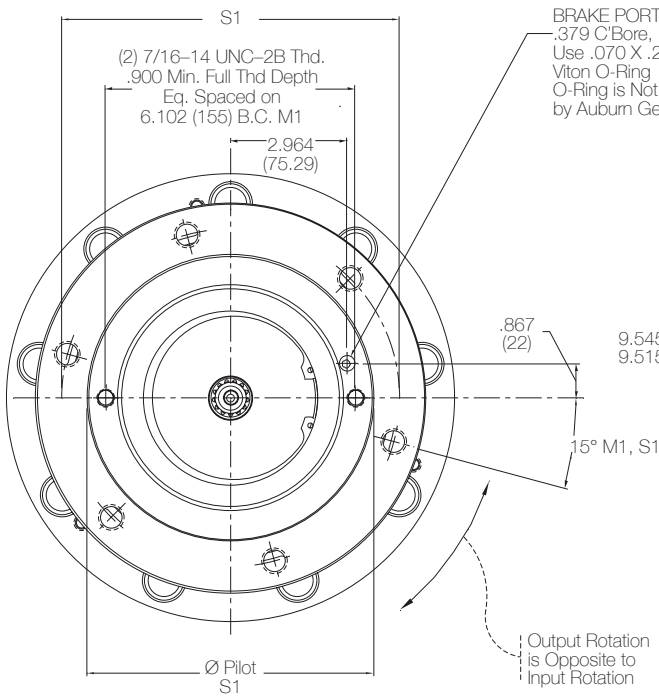
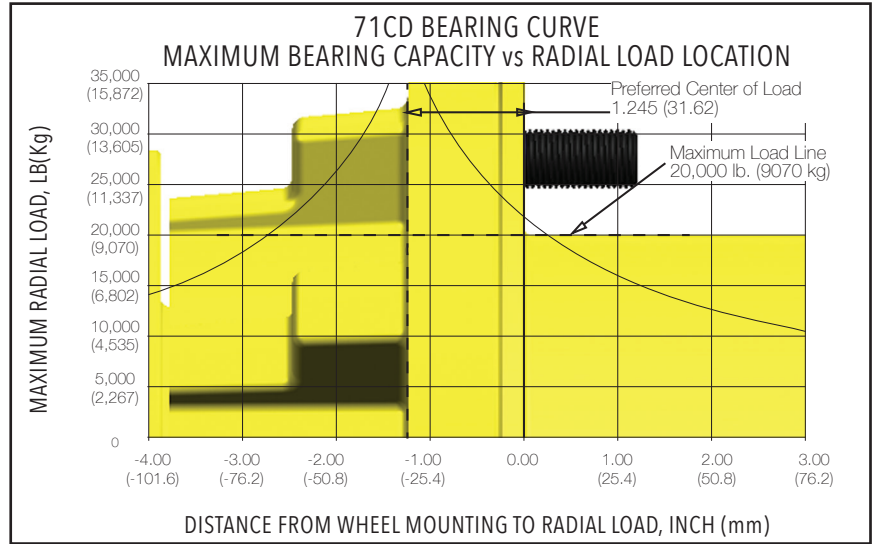
General Specifications

Double Reduction

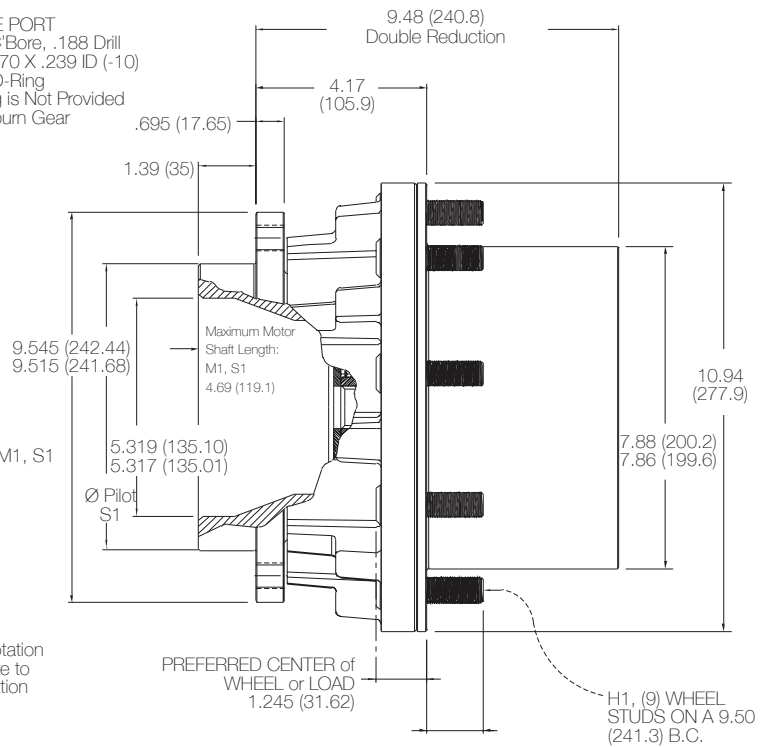
Max. intermittent output torque^{1,2}.....70,000 lb-in (7,900 Nm)
 Max. input speed².....5,000 RPM
 Approximate Weight.....110 lbs (50kg)
 Oil capacity.....22 oz (650 cc)
 Max. radial load: (@pref. load center).....20,000 lbs (9100kg)

¹ Depending on the duty cycle and the nature of the application, a normal continuous output torque of 1/3 to 1/2 of the maximum intermittent should yield satisfactory Power Wheel® life. Customer testing and application analysis is strongly recommended.

² If application exceeds published limit, contact Auburn Gear.



BRAKE PORT
 .379 C/Bore, .188 Drill
 Use .070 X .239 ID (-10)
 Viton O-Ring
 O-Ring is Not Provided
 by Auburn Gear



71CD Model Formula

Model 71CD
CW071

Ratios
 014 = 14.30:1 037 = 37.52:1
 017 = 17.94:1 046 = 46.74:1
 022 = 22.71:1 051 = 51.65:1
 025 = 25.15:1 058 = 58.09:1
 028 = 28.37:1 066 = 66.98:1
 032 = 32.79:1

Hub Mount
 H1—(9) Wheel Studs on
 9.50 (241.3) B.C.

Wheel Studs (Size x Stud length from hub face)
 00 = None, 0.681/0.678 (17.30/17.22) thru holes
 01 = 1/2-20 UNF-2A x 1.50 (38.1)
 02 = 5/8-18 UNF-2A x 1.38 (35.1)
 03 = 9/16-18 UNF-2A x 1.70 (43.2)
 04 = M16 x 1.5-6g x 50
 05 = M18 x 1.5-6g x 45

Brakes
 N2 = 2,400 lb-in (270 Nm), 180 psi (12.4 Bar) release
 N3 = 3,600 lb-in (405 Nm), 200 psi (13.8 Bar) release

CW071 M1 H1 S1 014 02 N1

Cartridge Motor Inputs
 M1—Danfoss KC-15T Input

Spindle Frame Mount
 S1—(6) 5/8-11 UNC-2B on 8.25 (209.6) B.C.
 Pilot—7.000/6.995 (177.80/177.67)