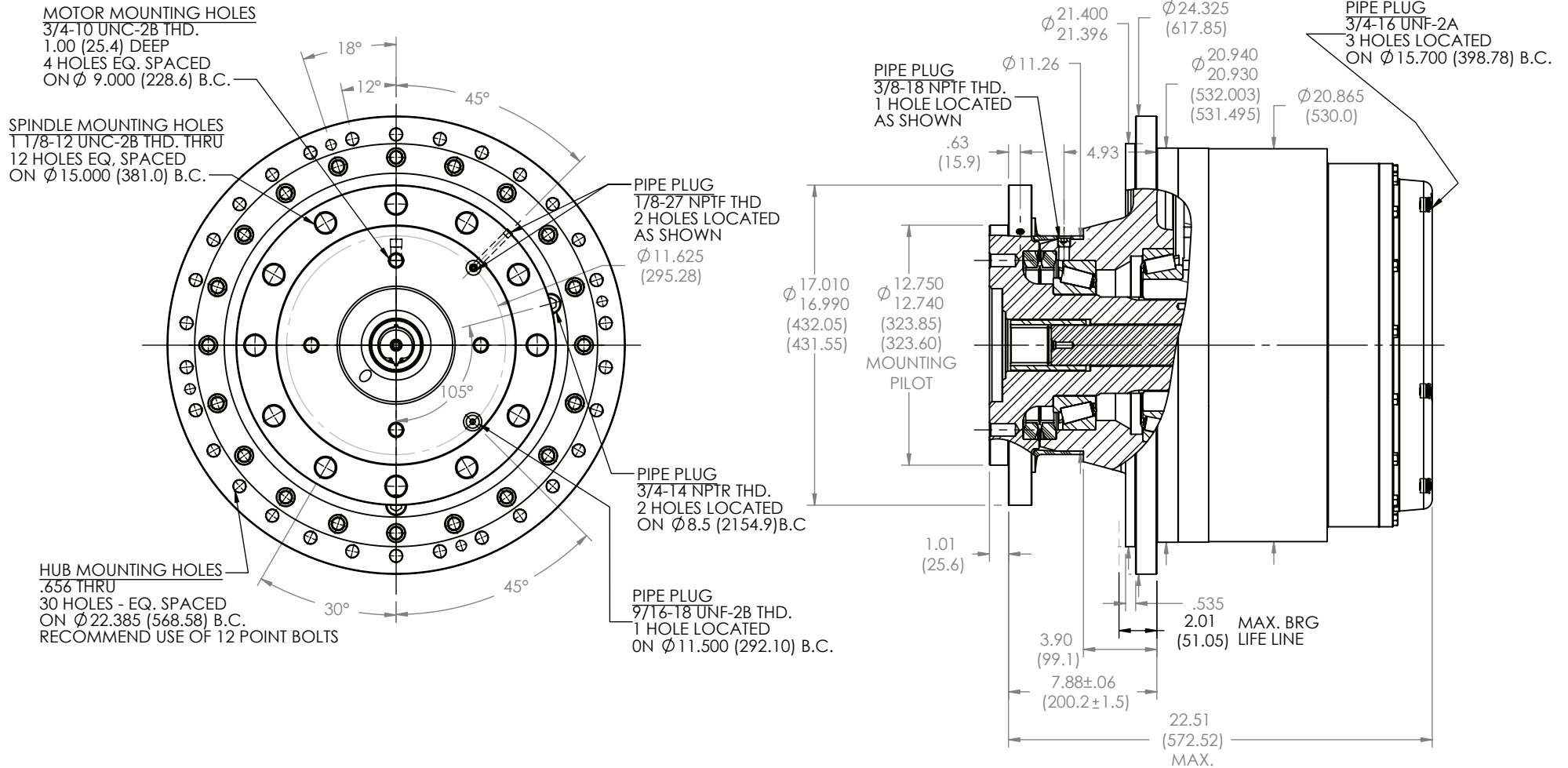


W40D2 Application Sheet

TORQUE-HUB®
Planetary Final Drives



oerlikon
fairfield

Catalog prints are representative of the units.
Before final design request a certified print from Fairfield.

NOTE: MM SHOWN IN ()
MOTOR CAVITY DIMENSIONS VARY WITH MODEL

OTHER MODELS ALSO AVAILABLE
FAIRFIELD BRAKE AVAILABLE

W40D2

Performance Data

Continuous	Intermittent	Peak
400,000 in-lbs	800,000 in-lbs	
33,333 ft-lbs	66,667 ft-lbs	Contact Fairfield
45,198 N-m	90,395 N-m	
4,607 kg-m	9,215 kg-m	

For ultimate torque and horsepower capacities, contact a Torque-Hub® representative.

Speed Limitations

Input Speed: 2,500 RPM Maximum Intermittent

Weight

Approximately 1,170lbs (532kg)

Note: Specific models will change weights.

W40D2 Model Formula

Oil

Fill to half full with 90 weight gear lube with EP additive on most applications.

Approximate Volume: 500oz (14785cc)

Note: Oil level and type will vary with specific model and application.

Conditions of Bearing Curve

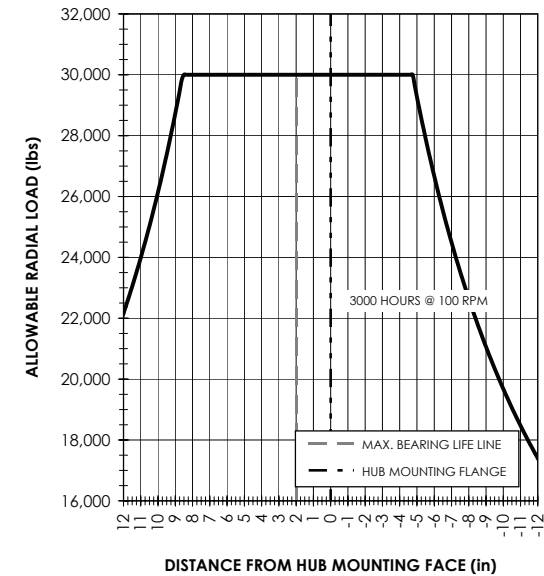
Life = 3,000 hours B10

Speed = 100 RPM output

To adjust for loads and speeds other than shown on curve:

$$\text{Adjusted Life (hrs)} = 3,000 \left(\frac{100 \text{ RPM}}{\text{Speed (Adjusted)}} \right) \left(\frac{\text{Load (Curve)}}{\text{Load (Adjusted)}} \right)^{\left(\frac{10}{3} \right)}$$

Bearing Curve



W 40 D2 5 24 C Y

W - Torque - Hub Wheel Drive

40 - Series

	Spindle			Hub		
	Motor Mount	Flange Mounting Dia.	Motor B.C.	Frame B.C.	Mounting Dia.	Flange B.C.
D2	SAE "D"	12.750/ 12.740	(4) 3/4 - 10 9.000 B.C.	(12) 1.125-12 15.000 B.C.	20.940/ 20.930	(30) .660/650 22.385 B.C.

Reduction
18 - 18.06
20 - 20.49
24 - 23.95
40 - 39.71

Special Features
Y - Seal Boot

Input
5- 13T 8/16 Spline
W- 16T 8/16 Spline

Special Features
C - Ball Bearing in Cover
D - Ball Bearing in Cover and Viton Seal
Z - Blank

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 First in Custom Gears and Drive Systems

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