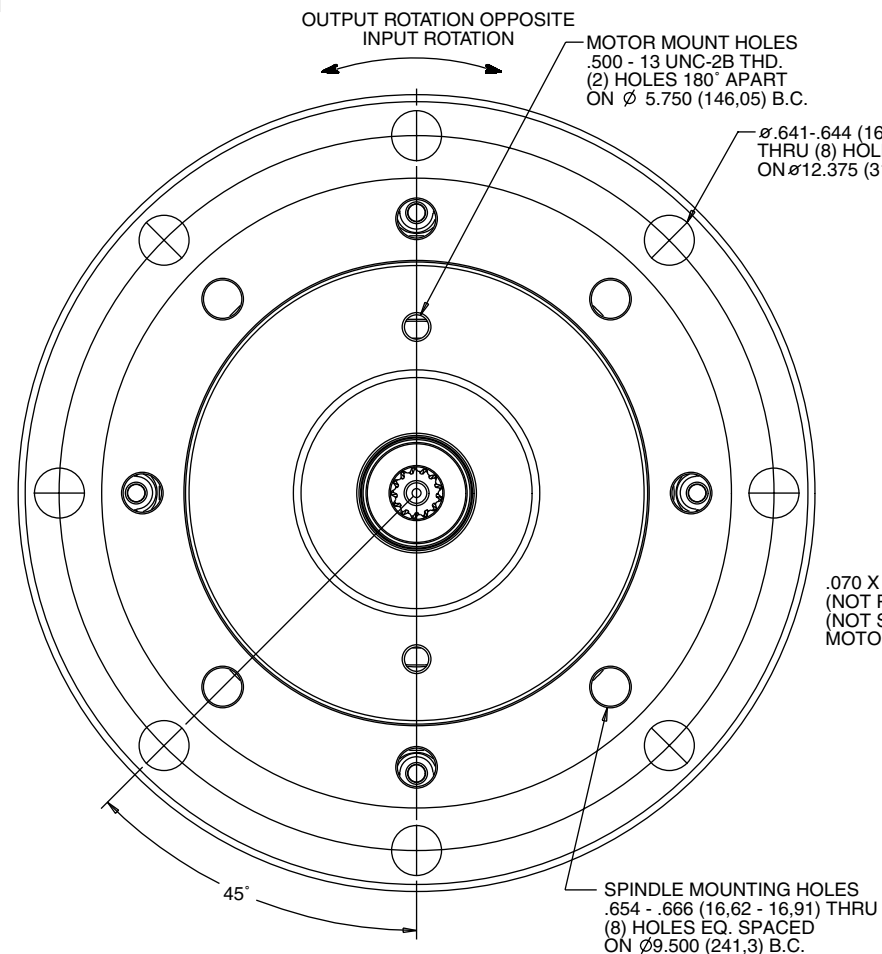


TORQUE-HUB
Planetary Final Drives



ϕ 10.895 - 10.925
(276,74 - 277,49)

ϕ 7.995 - 8.000
(203,08 - 203,20)
MOUNTING PILOT DIA.

ϕ 4.001 - 4.006
(101,63 - 101,75)
MOTOR PILOT DIA.

.425 - .455
(10,80-11,55)

INPUT SHAFT LENGTH
1.75 (44,5) MAX.

1.013 (25,73) MAX.
END OF INPUT SPLINE
TO MOTOR MOUNT FACE

.070 X 3.989 I.D. O-RING (2 - 045)
(NOT PROVIDED BY FAIRFIELD)
(NOT SIZED FOR
MOTOR UNDERCUT)

R.015 - .045
(0,39 - 1,14)

.505 - .535
(12,83 - 13,58)

.75 (19) REF
5.35
(135,9)

11.30
(287,1)

1.67
(42,3)

ϕ 10.63
(270)

.625 - 18 - UNF-2A THD.

ALL AVAILABLE
.625-11 UNC-2B THD.
(8) HOLES EQ. SPACED
ON ϕ 9.500 (241,3) B.C.

FAIRFIELD
GEARED FOR EXCELLENCE

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

OTHER MODELS ALSO AVAILABLE
FAIRFIELD BRAKE AVAILABLE

W5

Performance Data

Continuous	Intermittent	Peak
50,000 lb-in	100,000 lb-in	125,000 lb-in
4,167 lb-ft	8,333 lb-ft	10,650 lb-ft
5,650 Nm	11,300 Nm	14,125 Nm
575 kg-m	1,150 kg-m	1,438 kg-m

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

Speed Limitations

Input Speed: 4,000 RPM Maximum Intermittent

Weight

Approximately 178 lbs (80,74 kg)

Note: Specific models will change weights.

W5 Model Formula

Oil

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

Approximate Volume 50oz. (1,479 cm³)

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

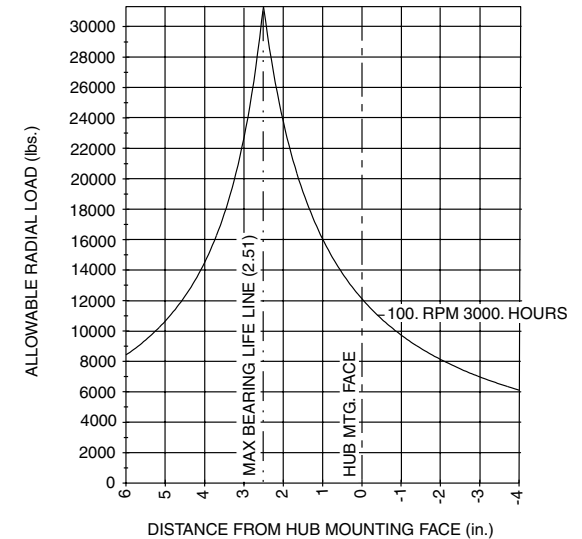
Conditions of Bearing Curve

Life = 3,000 hours B-10
Speed = 100 RPM output

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

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

Bearing Curve



W 5 B1 F 0 3 49 Z

W – Torque-Hub® Wheel Drive

5 – Series

Spindle				Hub		
MotorMount	Flange Mounting Dia.	Motor B.C.	Frame B.C.	Mounting Dia.	Flange B.C.	
B1	SAE "B"	7.995 8.000	(2) 1/2-13 5.750 B.C.	(8) .654-.666 9.500 B.C.	10.640 10.620	(8) .641-.644 12.375 B.C.

Special Features

Z – Seal Boot

Reduction

- 15–14.50:1
- 17–17.17:1
- 22–22.48:1
- 25–25.31:1
- 29–29.14:1
- 35–34.60:1
- 42–41.63:1
- 49–49.37:1

Input

3–13T, 16/32 Spline

Brake

0–Not Included

Stud

0–Not Included

1– 3/4-16 by 2.53" (Use with .850/.845 Flange Hole)

F– 5/18-18 by 2.437" (Use with .642/.639 Flange Hole)

FAIRFIELD

GEARED FOR EXCELLENCE

Fairfield Manufacturing Company, Inc.

First in Custom Gears and Drive Systems

U.S. 52 South
P.O. Box 7940
Lafayette, IN 47903-7940 USA
Telephone (765) 772-4000
FAX (765) 772-4001
www.fairfieldmfg.com

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