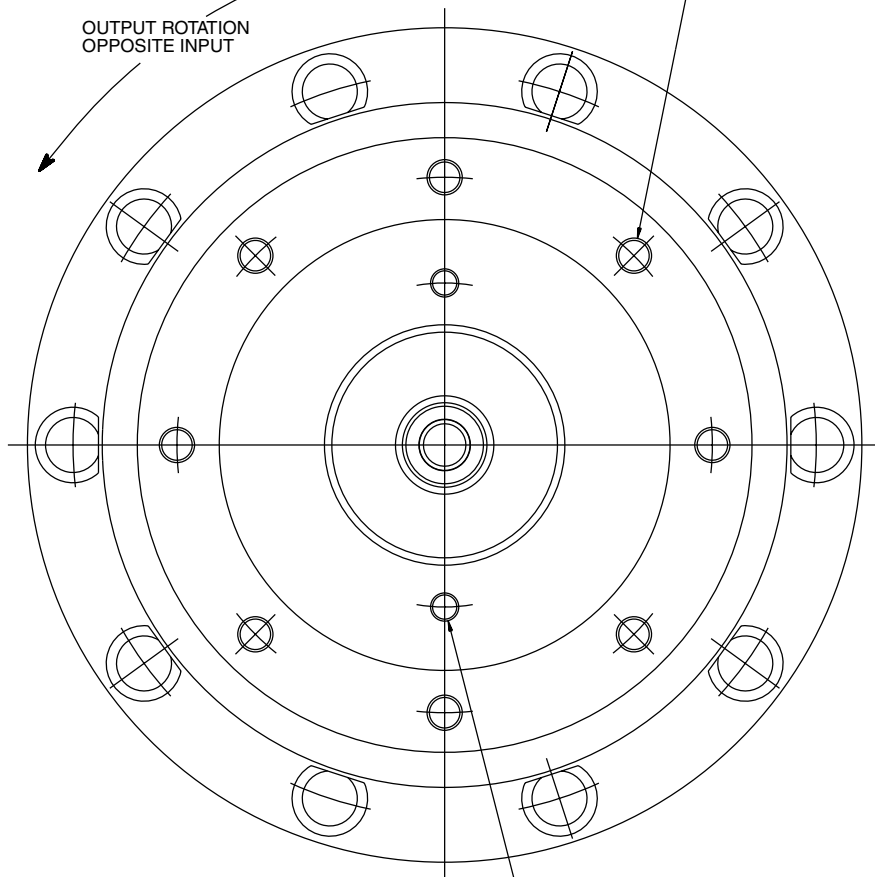


TORQUE-HUB®
Planetary Final Drives

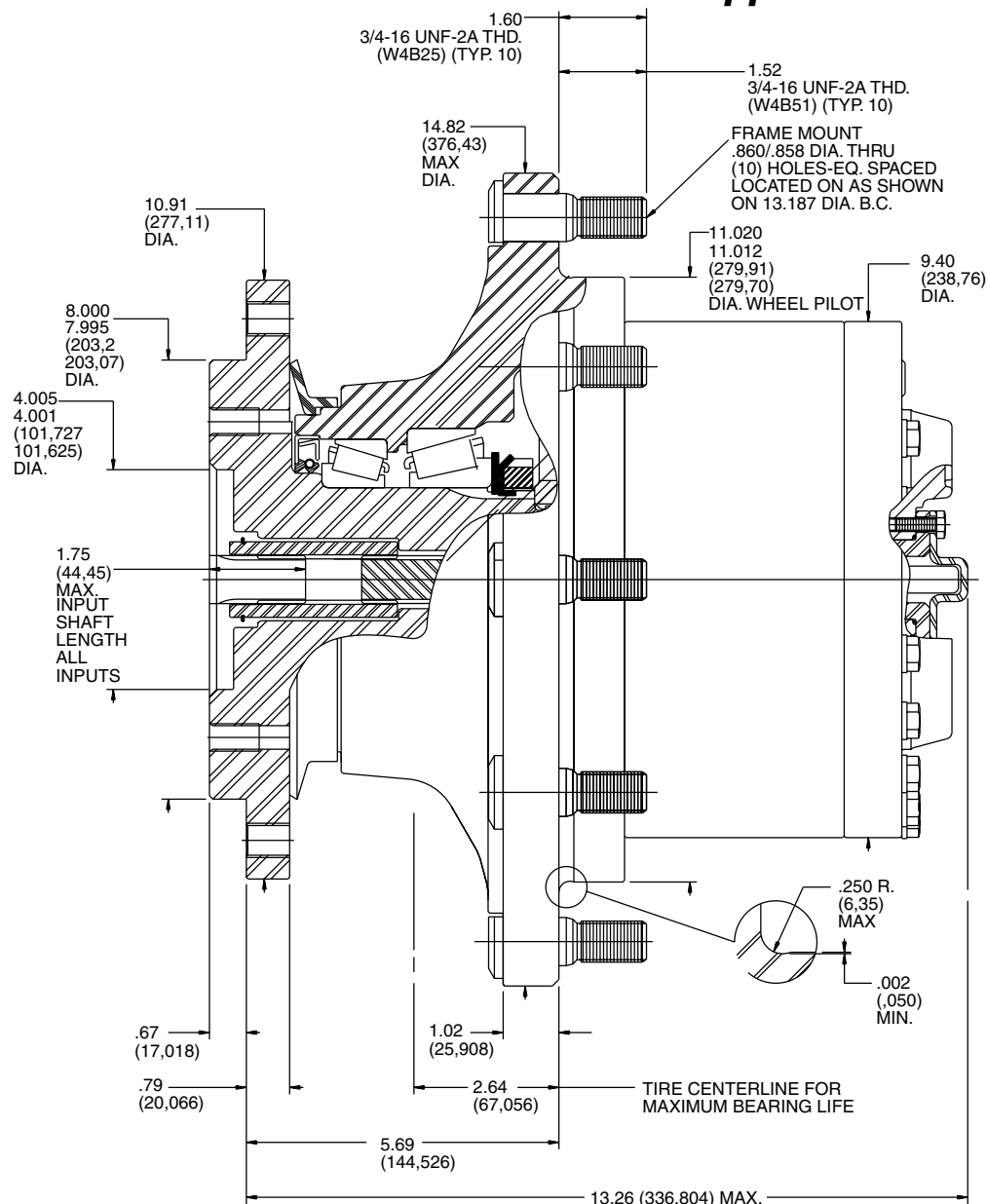
FRAME MOUNT
5/8-11 THD. THRU
(8) HOLES-EQ. SPACED
LOCATED AS SHOWN
ON 9.50 DIA B.C.

OUTPUT ROTATION
OPPOSITE INPUT



MOTOR MOUNT
1/2-13 THD.
90 MIN. FULL THD.
(2) HOLES-EQ. SPACED
LOCATED AS SHOWN
ON 5.75 DIA B.C.

FAIRFIELD
GEARED FOR EXCELLENCE



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

OTHER MODELS ALSO AVAILABLE
FAIRFIELD BRAKE AVAILABLE

W4B5

Performance Data

Continuous	Intermittent	Peak
40,000 lb-in	80,000 lb-in	100,000 lb-in
3,333 lb-ft	6,667 lb-ft	8,333 ft-lb
4,519 Nm	9,039 Nm	11,299 Nm
452 kg-m	904 kg-m	1,300 kg-m

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

Speed Limitations

Maximum Continuous Input Rpm: 3,750 - 4,500
Maximum Intermittent Input Rpm: 5,000

(Contact Fairfield for specific speed information)

Weight

Approximately 223 lbs (101kg)

Note: Specific models will change weights.

W4B5 Model Formula

Oil

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

Approximate Volume 44oz. (1,301 cm³)

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

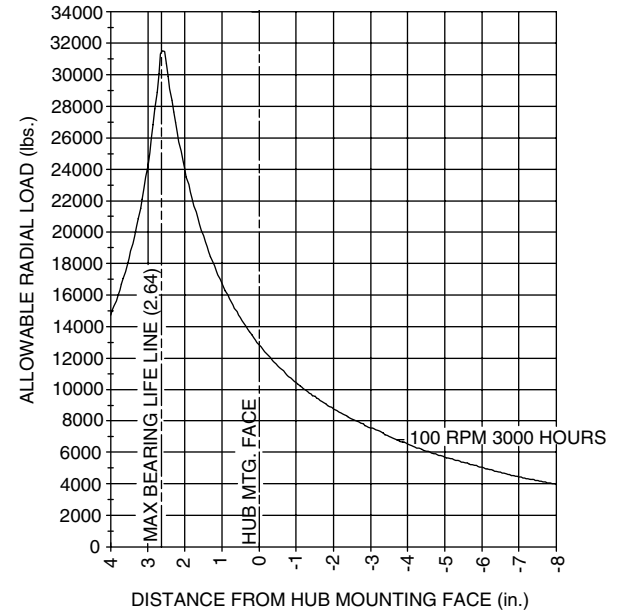
Conditions of Bearing Curve

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 4 B5 8 0 0 4 17

W – Torque-Hub® Wheel Drive

4 – Series Torque Capacity

	Spindle			Hub		
	Motor Mount	Flange Mounting Dia.	Motor B.C.	Frame B.C.	Mounting Dia.	Flange B.C.
B2	SAE"B"	8.000 7.995	(2) 1/2-13 5.750 B.C.	(8) 5/8-11 9.500 B.C.	11.020 11.012	(10) .875/.873 13.187 B.C.
B5	SAE"B"	8.000 7.995	(2) 1/2-13 5.750 B.C.	(8) 5/8-11 9.500 B.C.	11.020 11.012	(10) .861/.857 13.187 B.C.

NOTE: Other models available. Please contact Fairfield.

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

Input

3– 13T, 16/32 Spline
4– 14T, 12/24 Spline
7– 21T, 16/32 Spline

0– Not Included

Reduction

11– 10.5:1
12– 12.4:1
17– 16.9:1
21– 21.3:1
26– 26.3:1
30– 29.8:1
37– 36.6:1

Stud

0– Not Included
1– 3/4-16 by 2.53 Inch
 (Use with .860/.858 Flange Hole)
5– 3/4-16 Am. Nat. Th'd by 2.63 Inch
 (Use with .875/.873 Flange Hole on Steel Hub- Use w/o Brake)
8– 3/4-16 by 3.25 Inch
 (Use with .860/.858 Flange Hole on Cast Iron Hub- Use w/ Brake)
T– 3/4-16 by 6.25 Inch
 (Use with .875/.873 Flange Hole on Steel Hub- Use w/ Brake)
V– M22 x 1.5 - 6g x 113mm

Brake

0– Not Included