



## 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.

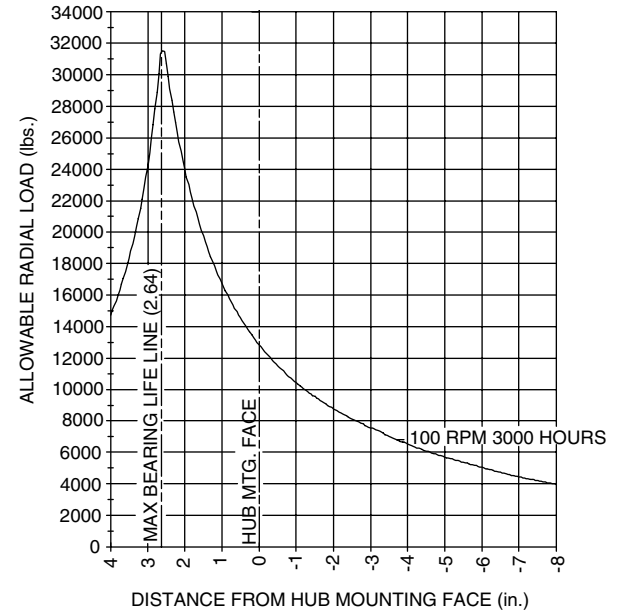
### Conditions of Bearing Curve

**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.
<b>B2</b>	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.
<b>B5</b>	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  
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 First in Custom Gears and Drive Systems

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### 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