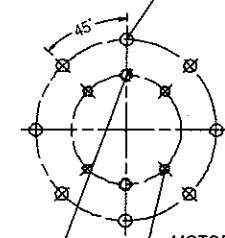
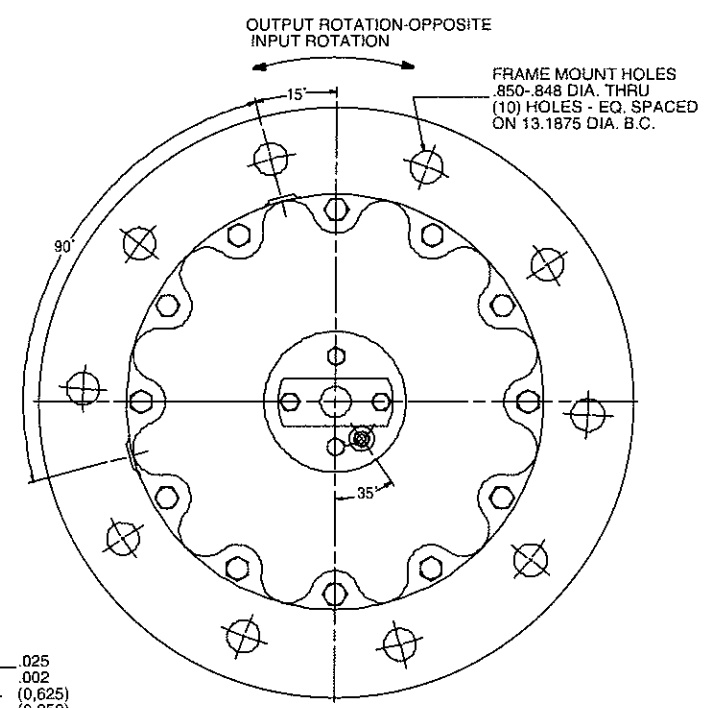


SPINDLE MOUNT HOLES  
 .671- .641 DIA THRU  
 (8) HOLES EQ. SPACED  
 ON 9.500 DIA. B.C.  
 (W3C1)  
 OR  
 SPINDLE MOUNT HOLES  
 5/8-11 UNC-2B THD  
 (8) HOLES EQ. SPACED  
 ON 9.500 DIA. B.C.  
 (W3C2)



MOTOR MOUNT HOLES  
 1/2-13 UNC-2B THD  
 900 MIN FULL THD  
 (4) HOLES EQ. SPACED  
 ON A 6.375 DIA. B.C.



NOTE: MM SHOWN IN ( ) OTHER MODELS ALSO AVAILABLE  
 MOTOR CAVITY DIMENSIONS VARY WITH MODEL FAIRFIELD BRAKE AVAILABLE

## W3CN

### Performance Data

Continuous	Intermittent	Peak
37,500 lb-in	75,000 lb-in	100,000 lb-in
3,125 lb-ft	6,250 lb-ft	8,300 lb-ft
4,234 Nm	8,468 Nm	11,300 Nm
432 kg-m	864 kg-m	1,150 kg-m

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

### Speed Limitations

**Input Speed:** 4,000 RPM Maximum  
**Horsepower:** Contact Fairfield

### Weight

**Approximately 205 lbs (94Kg)**

Note: Specific models will change weights.  
 Gear kit available for this assembly.  
 Consult Fairfield for details.

### W3CN Model Formula

**W** – Torque-Hub® Wheel Drive

**3** – Series

### Oil

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

**Approximate Volume** 44 oz. (1,301 cm³)

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

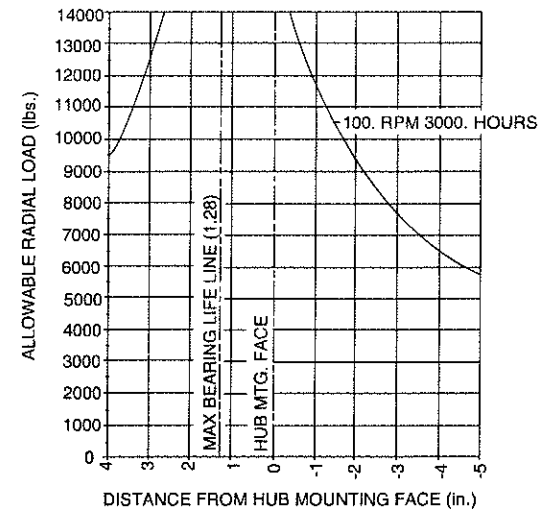
### Conditions of Bearing Curve

**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 3 CN 1 0 3 43 ZB**

### Special Features

**ZB** – Standard Disconnect  
**XB** – Coupling Subassembly with Antidisengage Spacer

### Special Options

**0** – Blank  
**Z** – Seal Boot

### Reduction

**18** – 18.75:1  
**24** – 24.43:1  
**30** – 30.04:1  
**35** – 34.49:1  
**43** – 42.50:1  
**54** – 53.58:1  
**73** – 72.68:1

### Input

**3** – 13T, 16/32 Spline  
**8** – 15T, 16/32 Spline

		Spindle			Hub	
	Motor Mount	Flange Mounting Dia.	Motor B.C.	Frame B.C.	Mounting Dia.	Flange B.C.
<b>CN</b>	SAE "C"	8.000 7.995	(4) 1/2-13 6.375 B.C.	(8) .671-.641 9.500 B.C.	11.020 11.000	(10) .850-.848 13.1875 B.C.
<b>C2</b>	SAE "C"	8.000 7.995	(4) 1/2-13 6.375 B.C.	(8) 5/8-11 9.500 B.C.	11.020 11.000	(10) .850-.848 13.1875 B.C.
<b>C6</b>	SAE "C"	8.000 7.995	(4) 1/2-13 6.375 B.C.	(8) 5/8-11 9.500 B.C.	11.020 11.000	(10) .875-.873 13.187 B.C.

# 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

### Studs in Wheel Flange

**0** – Not Included  
**1** – 3/4-16 thread by 2-17/32 in. (use with cast iron hub)  
**5** – 3/4-16 thread by 2-5/8 in. (use with steel hub; not available with BL and BN hubs)  
**8** – 3/4-16 thread by 3-1/4 in. (use with cast iron hub)

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