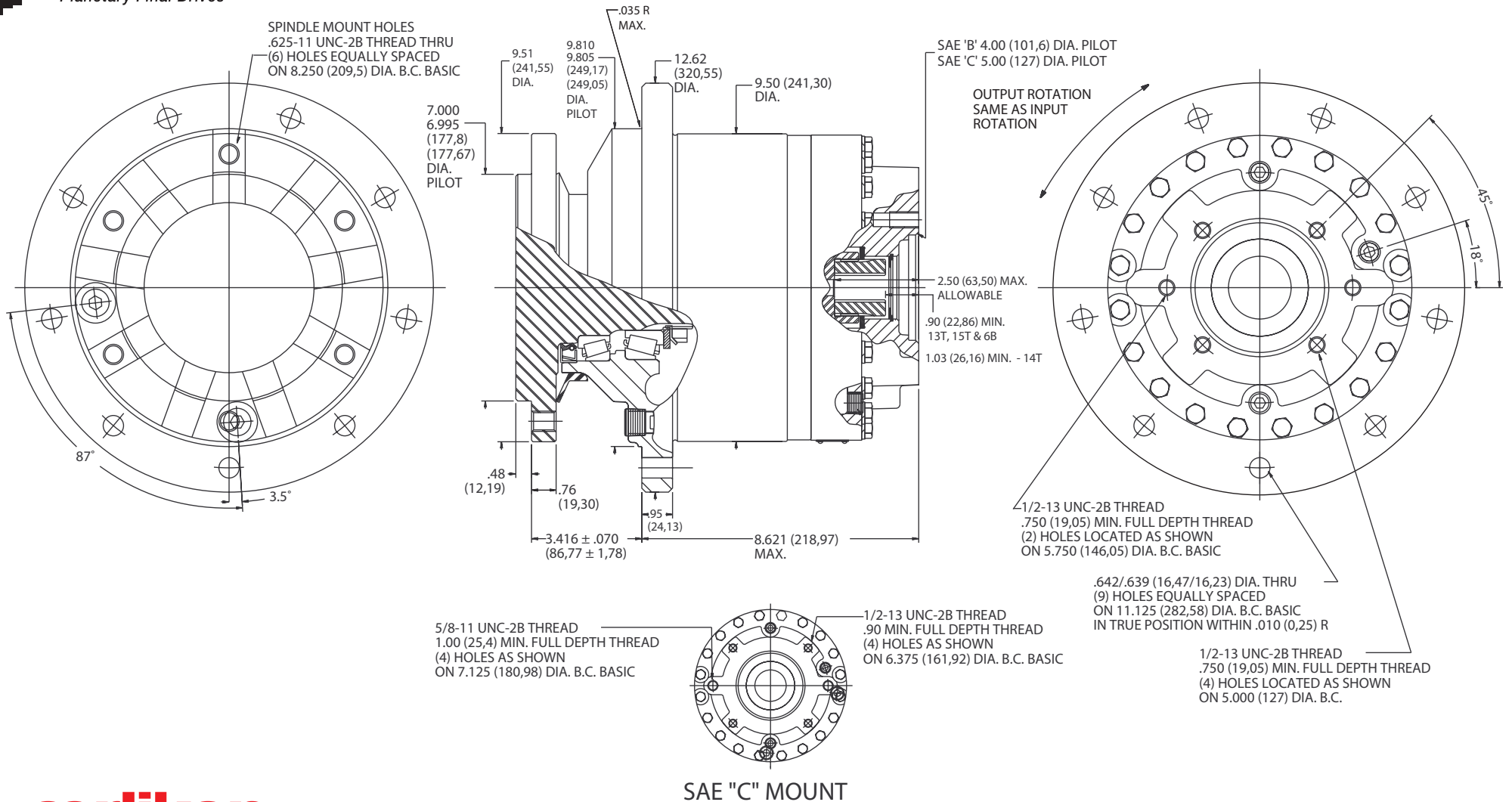


TORQUE-HUB®
Planetary Final Drives



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

S2B

Performance Data

Continuous	Intermittent	Peak
25,000 lb-in	50,000 lb-in	60,000 lb-in
2,087 lb-ft	4,167 lb-ft	5,000 lb-ft
2,817 Nm	5,633 Nm	6,790 Nm
287 kg-m	573 kg-m	688 kg-m

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

Speed Limitations

Input Speed: 4,000 RPM Maximum Intermittent

Weight

Approximately 150 lbs (68 kg)

Note: Specific models will change weights.

S2B Model Formula

Oil

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

Approximate Volume 40 oz. (1,184 cm³)

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

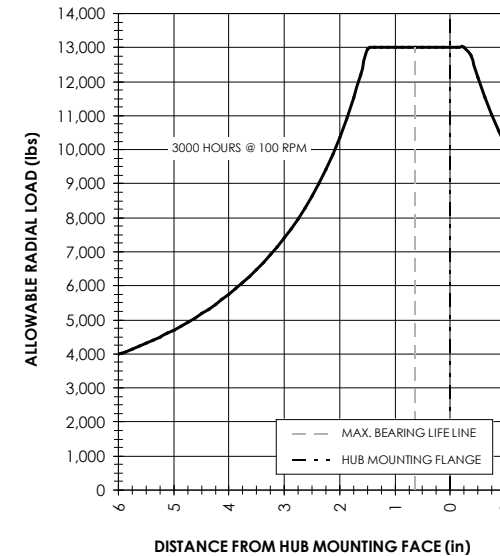
Conditions of Bearing Curve

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



S 2 B1 3 3 38 Y

S – Torque-Hub® Spindle Output

2 – Series

	Spindle		Hub	
	Flange Mounting Dia.	B.C.	Mounting Dia.	Flange B.C.
B1	<u>7.000</u> 6.995	(12) 5/8 - 11 8.250 B.C.	<u>9.810</u> 9.805	(9) .642/.639 11.125 B.C.

Special Features
ZY – Seal Boot

Reduction

- 14** – 14.30:1
- 21** – 20.86:1
- 26** – 25.82:1
- 29** – 29.22:1
- 35** – 34.83:1
- 38** – 37.64:1
- 44** – 43.65:1
- 50** – 50.03:1

Motor Mount

- 2** – S.A.E. "A" (3.255/3.251) Pilot
- 3** – S.A.E. "B" (4.005/4.001) Pilot
- 4** – S.A.E. "C" (5.005/5.001) Pilot

Input

- 3** – 13T, 16/32 Spline
- 4** – 14T, 12/24 Spline
- 6** – 6 B Parallel Side Spline Major Dia.: 1.00 in.
- 8** – 15T, 16/32 Spline

oerlikon
fairfield
 Fairfield Manufacturing Company, Inc.
 First in Custom Gears and Drive Systems
 www.fairfieldmfg.com

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