

18HPA4

Performance Data

Continuous	Intermittent	Peak
9,000 Nm	18,000 Nm	Contact Fairfield
79,650 lb-in	159,300 lb-in	

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

Speed Limitations

Input Speed: 5,000 RPM Maximum Intermittent

Weight

Approximately: 258 lbs (117 kg)

Model Formula

18 – 18000 Series Torque Hub

Output

H – Hub

Motor Input

P – Cartridge Motor

æerlikon
fairfield

Fairfield Manufacturing Company, Inc.
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Spindle Brake

- A – Integral 5000 lb-in [565 Nm]
- B – Integral 4250 lb-in [480 Nm]
- C – Integral 3400 lb-in [385 Nm]
- D – Integral 2940 lb-in [332 Nm]
- X – Empty Brake Cavity

Motor Cavity

4 - Saurer 51 Series 80cc

Oil

Fill to half full with EP-90 oil on most applications.

Approximate Volume: 50 oz. (1,479 cm³)

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

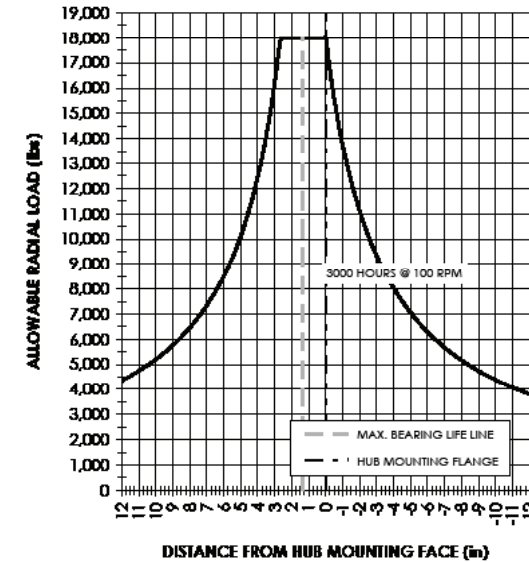
Conditions of Bearing Curve

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

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

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

Bearing Curve



18 H P A 4 1 0 B 0 G 0 048

Reduction	
015	– 14.88:1
018	– 17.97:1
021	– 21.14:1
025	– 24.92:1
029	– 29.24:1
036	– 35.92:1
041	– 40.84:1
048	– 47.60:1
057	– 57.49:1

Disengage
0 – None
G – Disengage

Special Option
0 – None

Input Splines
B – W35 x 2x14x9g

Studs
0 – None
H – M22 x 1.5 – 6g by 80.5mm

Options
0 – None
Z – Seal Boot

Flange	B.C.	Mounting	B.C.
Mtg. Dia.		Dia.	
10.630 270.00	(17 on 18 hole pattern)	11.020 279.91	(10) .929/.925 THRU
10.626 269.90	M16 x 2 Thread	11.000 279.40	on 13.187 [335] B.C.
	on 11.811 [300] B.C.		