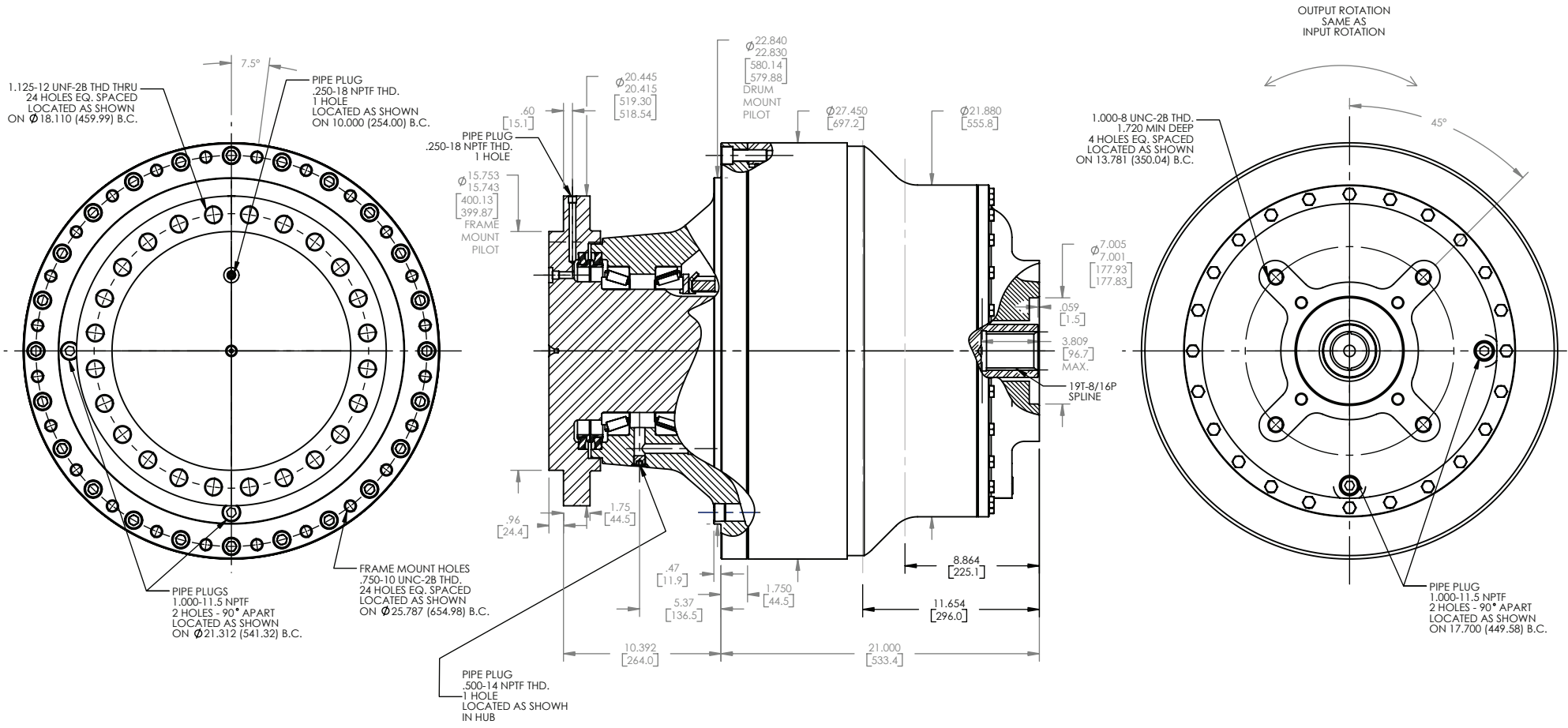


90 Series
S90B1
 Application Sheet

TORQUE-HUB®
 Planetary Final Drives



oerlikon
 fairfield

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

S90B1

Performance Data

Continuous	Intermittent	Peak
1,470,000 lb-in	2,941,000 lb-in	
122,500 lb-ft	245,000 lb-ft	Contact Fairfield
166,110 Nm	332,333 Nm	
16,905 kg-m	33,821 kg-m	

For ultimate torque and horsepower capacities, contact a Torque-Hub® representative. Note: Oil level and type will vary with specific model and application.

Speed Limitations

Maxium Intermittent Input RPM: 2000 RPM

Weight

Approximately 2410 lbs (1093kg)

Note: Specific models will change weights.

S90B1 Model Formula

Oil

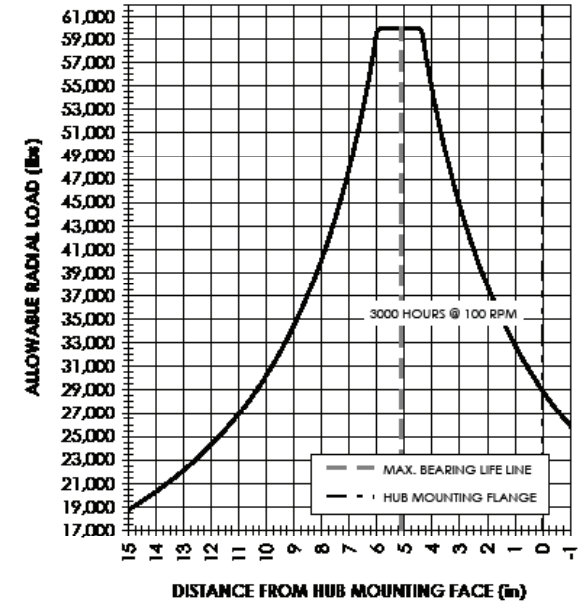
Fill to half full with 90 weight gear lube with EP additive on most applications.

Approximate Volume 960 oz. (30 quarts)

Conditions of Bearing Curve

Note: Contact Fairfield for conditions of Bearing Curve.

Bearing Curve



S 90 B1 0 F L 26

S - Torque Hub Spindle Output

90 - Series

	Spindle		Hub	
	Flange Mounting Dia.	B.C.	Mounting Dia.	Flange B.C.
B1	15.753 15.743	(24) 1 1/8-12 18.110 B.C.	22.840 22.830	(24) 3/4-10 25.787 B.C.

Reduction
26 – 26.218:1

Input Cover Side
L – 19T, 8/16 Spline

Motor Mount Cover Side
F – S.A.E. "F" (7.005/7.000) Pilot

Special Options
O – None

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