



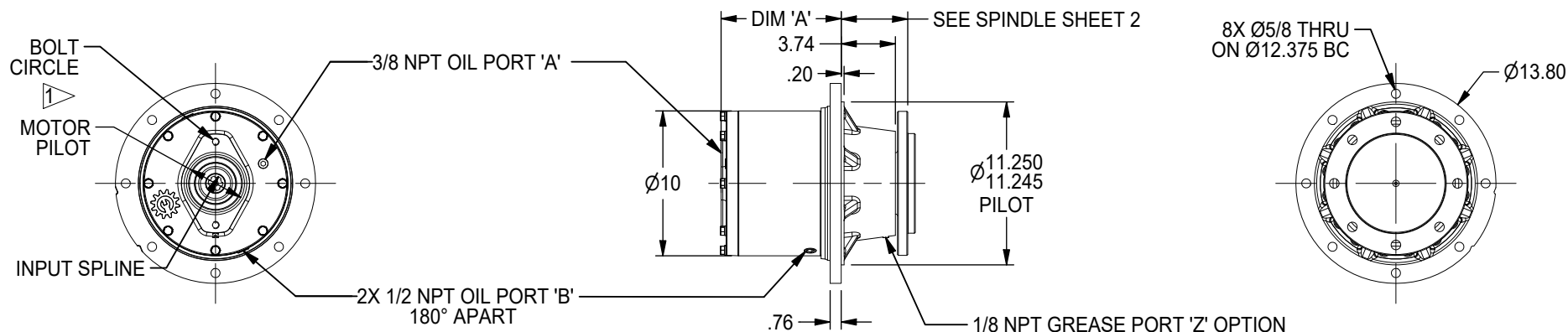
100 GEAR DRIVE - SPINDLE OUTPUT

100,000 in-lb (11,298 N-m) Intermittent Rating 50,000 in-lb (5,649 N-m) Continuous Rating
Typical Applications: Industrial, Marine or Mobile Equipment

(913) 782-1238 (Tel)
(913) 782-4206 (Fax)
Sales@Eskridgeinc.com
www.Eskridgeinc.com
FORM: PS100LS-AA

SHEET 1 OF 3

100 1&2-Stage General Dimensions Flanged 'A2' Option



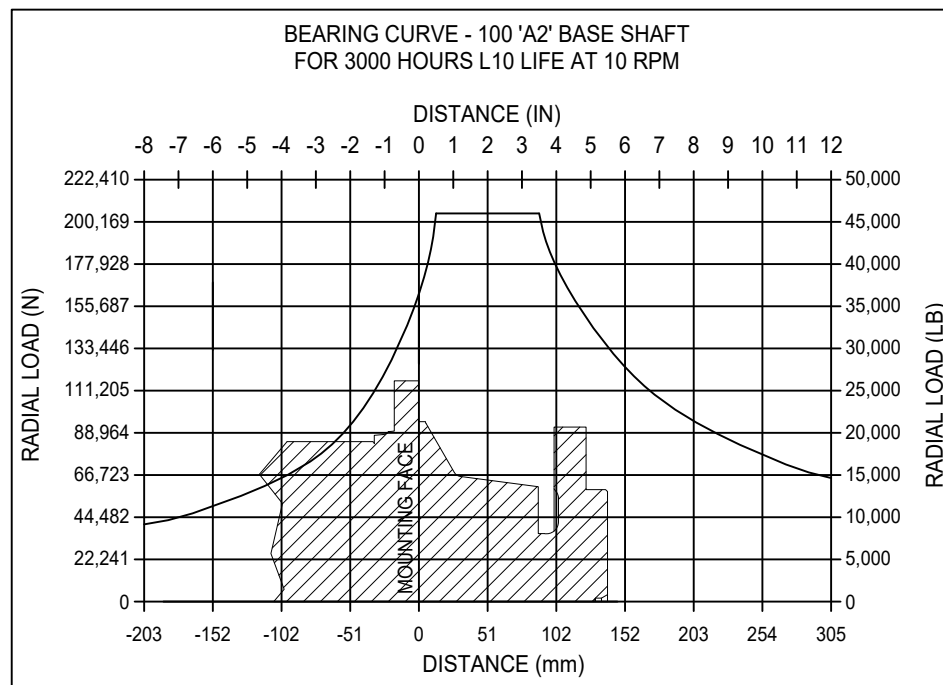
Dimension 'A' Specifications

Input Spline Code	Ratio	Standard Input Mounting			
		SAE 'A'	SAE 'B'	SAE 'C'	SAE 'D'
2,3,5	4, 6, 19, 26, 36	8.34	8.24	8.59	-
4	4, 6, 19, 26	8.59	8.59	8.59	-
4	36	9.84	9.84	9.84	-
ALL	33, 45	9.84	9.84	9.84	-
7, 9	4, 6	-	-	-	8.59

Performance Ratings

Maximum Intermittent Output Torque: 100,000 in-lb (11,298 N-m)
Continuous Output Torque: 50,000 in-lb (5,649 N-m)
Maximum Input Speed: 3,000 RPM
Maximum Operating Ambient Temperature: 110° F (43° C)
Minimum Operating Ambient Temperature: -20° F (-28° C)

Above ratings are general, mechanical ratings, not thermal ratings.
Continuous duty may require additional cooling.
Consult your Eskridge representative to determine ratings for your specific application or configuration.



To adjust for loads and speeds other than those shown on above curve, use this formula:

$$\text{Adjusted Life (hours)} = 3000 \left(\frac{10 \text{ rpm}}{\text{Speed (Adjusted)}} \right) \times \left(\frac{\text{Load (Curve)}}{\text{Load (Adjusted)}} \right)^{10/3}$$



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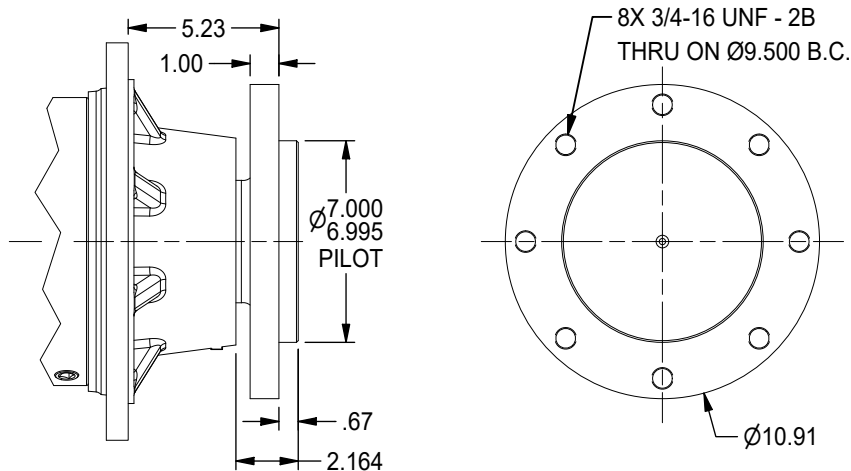
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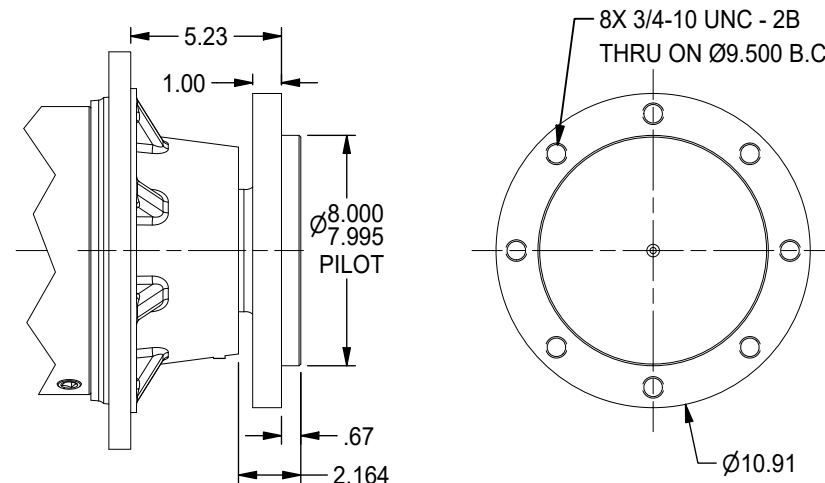
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SHEET 2 OF 3

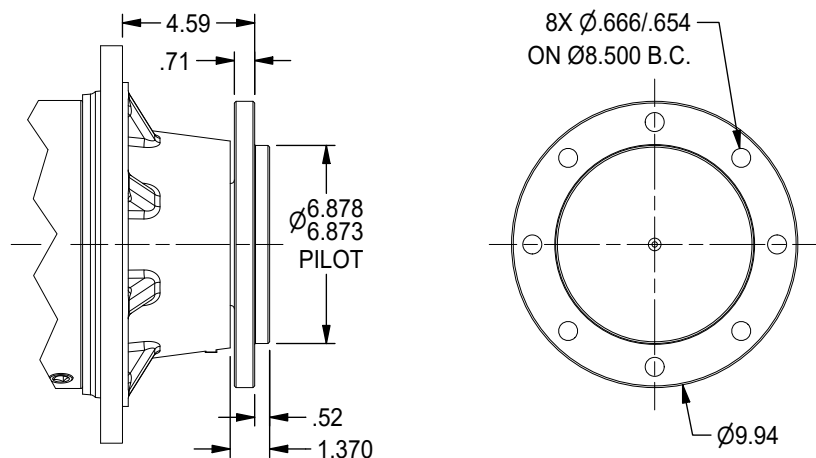
S1 Output Spindle
8X 3/4" Mount Holes



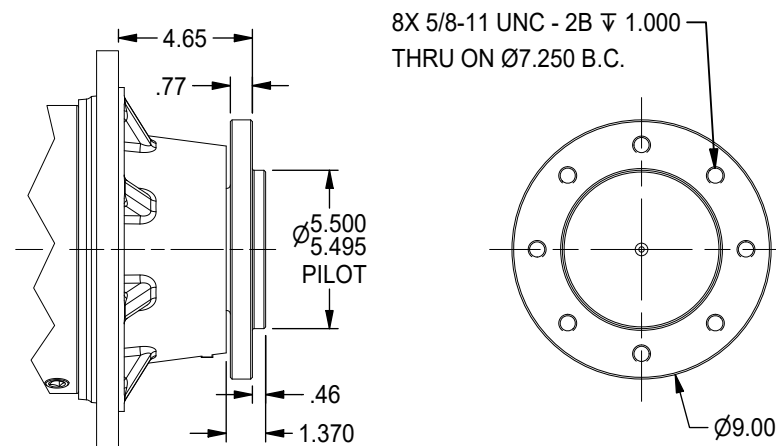
S3 Output Spindle
8X 3/4" Mount Holes



S2 Output Spindle
8X .666-.654" Mount Holes



S4 Output Spindle
8X 5/8" Mount Holes





100 GEAR DRIVE - SPINDLE OUTPUT

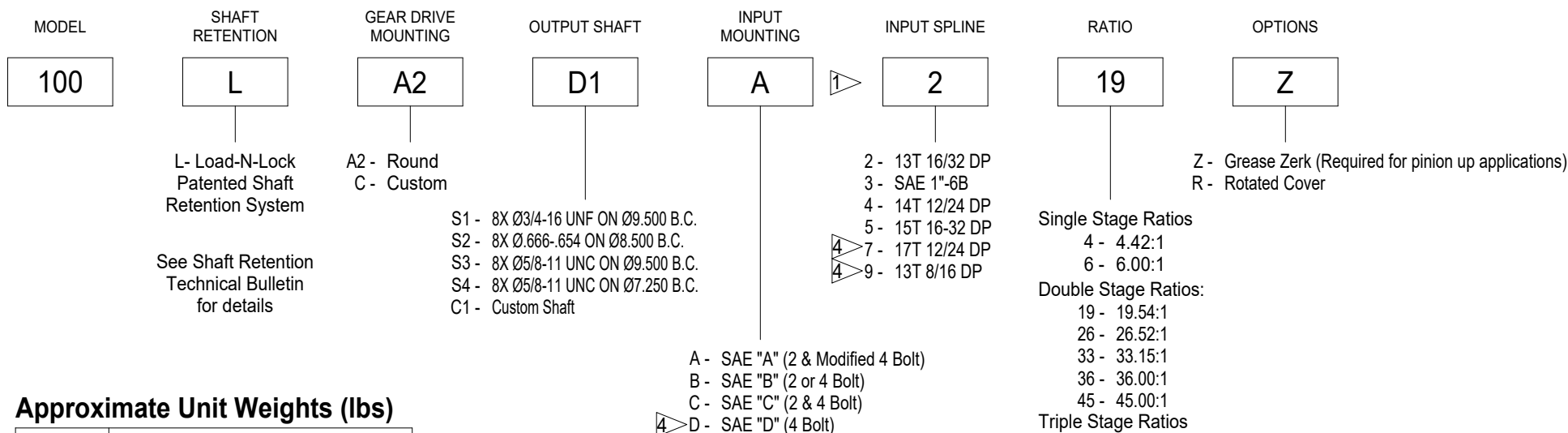
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SHEET 3 OF 3

Ordering Information

Example Part Number: 100LA2D1A2-19-Z



Approximate Unit Weights (lbs)

Gear Drive Mounting	Stages		
	Single Planetary	Double Planetary	Triple Planetary
A2	187	202	215
C	Consult Eskridge		

Oil Capacities

Position	Quantity		
	Single Planetary	Double Planetary	Triple Planetary
Vertical Shaft Down	5.0 pts Fill to: 1.5" From Port 'A'	5.0 pts Fill to: 1.5" From Port 'A'	6.9 pts Fill to: 1.5" From Port 'A'
Vertical Shaft Up	5.0 pts Fill to: Port 'B'	5.0 pts Fill to: Port 'B'	6.9 pts Fill to: Port 'B'
Horizontal	3.0 pts Fill to: Port 'A'	3.0 pts Fill to: Port 'A'	4.1 pts Fill to: Port 'A'

Units shipped without oil
Use EP or API GL5 Designated Lubricants

Motor Mount Dimensions

PILOT DIMENSIONS BOLT CIRCLE

*SAE 'A' Ø3.251/3.253	4X 1/2-13 UNC-2B ▽5/8 ON Ø4.188 B.C.
*SAE 'B' Ø4.001/4.005	2X 1/2-13 UNC-2B ▽.50 ON Ø5.750 B.C.
SAE 'C' Ø5.001/5.004	4X 1/2-13 UNC-2B ▽1 ON Ø6.375 B.C.
SAE 'D' Ø6.000/6.004	2X 5/8-11 UNC-2B ▽1 ON Ø7.125 B.C.
	4X 3/4-10 UNC-2B ▽1 ON Ø9.000 BC

NOTES:

1. SPECIFICATION CALLED OUT IN "MOTOR MOUNT DIMENSIONS" SECTION ABOVE.
2. VALUES ARE SHOWN IN INCHES.
3. OUTPUT SHAFT ROTATION SAME AS INPUT ROTATION.
4. ONLY AVAILABLE WITH SINGLE STAGE GEAR BOXES.