







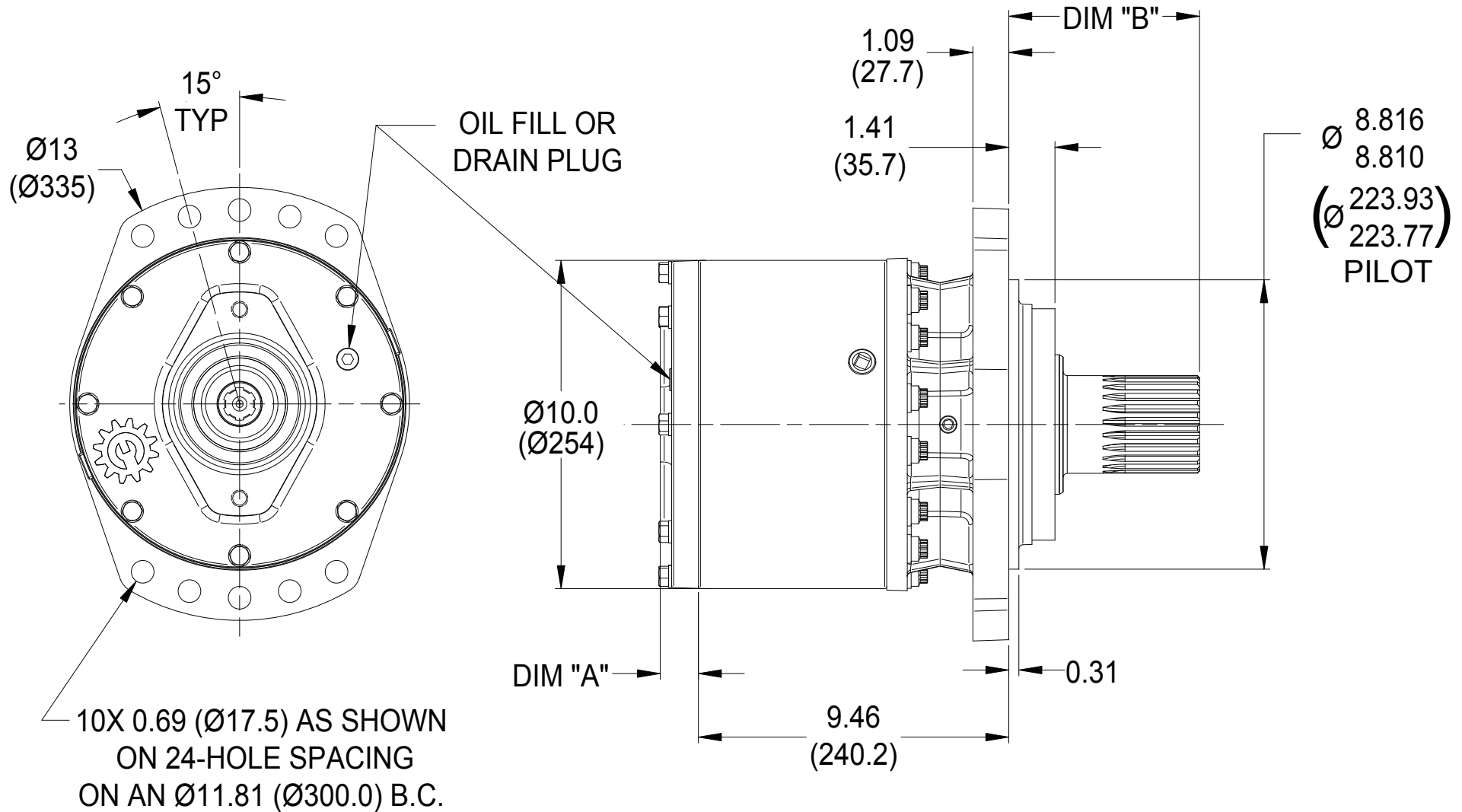
# 133 Gear Drive - Shaft Output

Typical Applications: Industrial, Marine or Mobile Equipment

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(913) 782-4206 (Fax)  
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## General Dimensions for Output Shaft Option Flanged Gear Drive Mounting (ordering option 'E')

See ordering information on last page or contact your Eskridge representative for details.  
Values are shown as "inches (millimeters)."





# 133 Gear Drive - Shaft Output

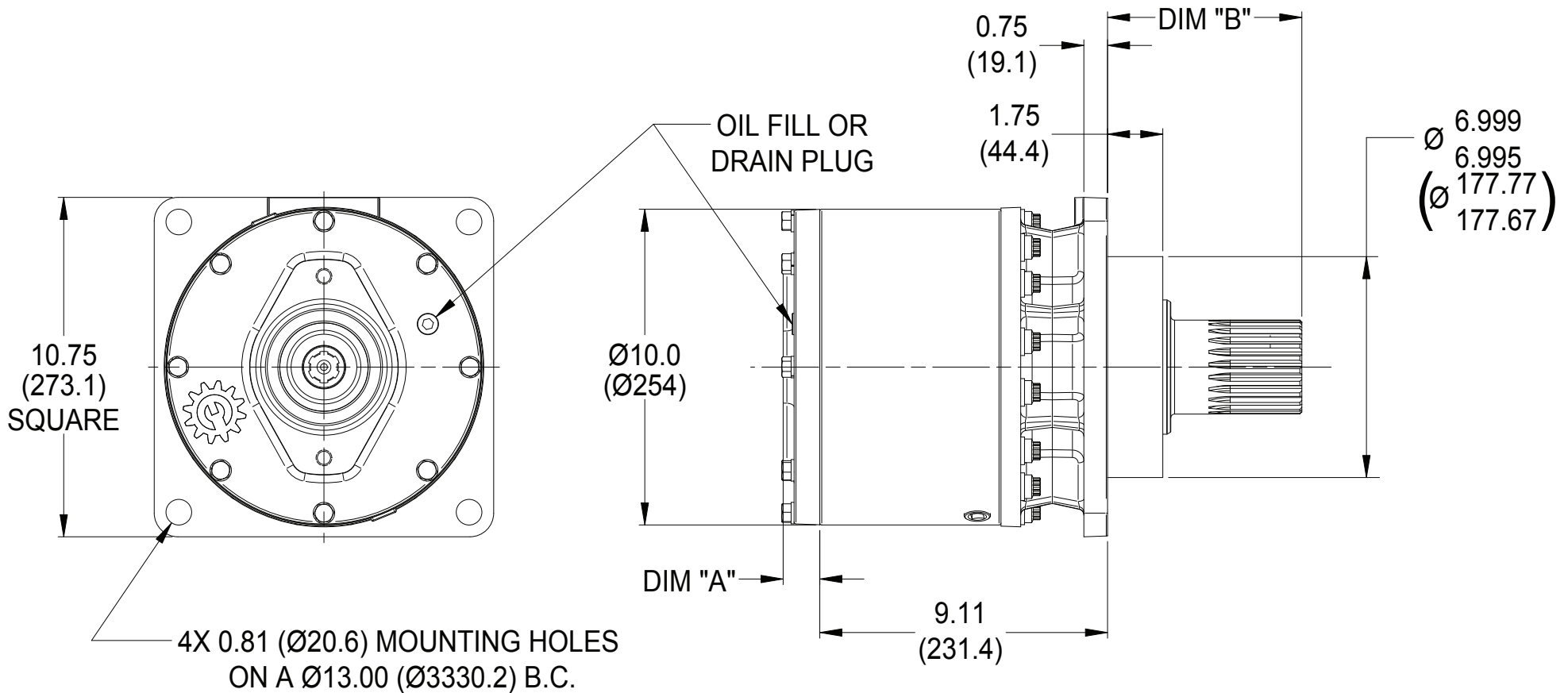
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## General Dimensions for Output Shaft Option Square Gear Drive Mounting (ordering option 'B')

Other options may be available. See ordering information on last page or contact your Eskridge representative for more details.

Values are shown as "inches (millimeters)." Please see page 3 for full Dimension A specifications.





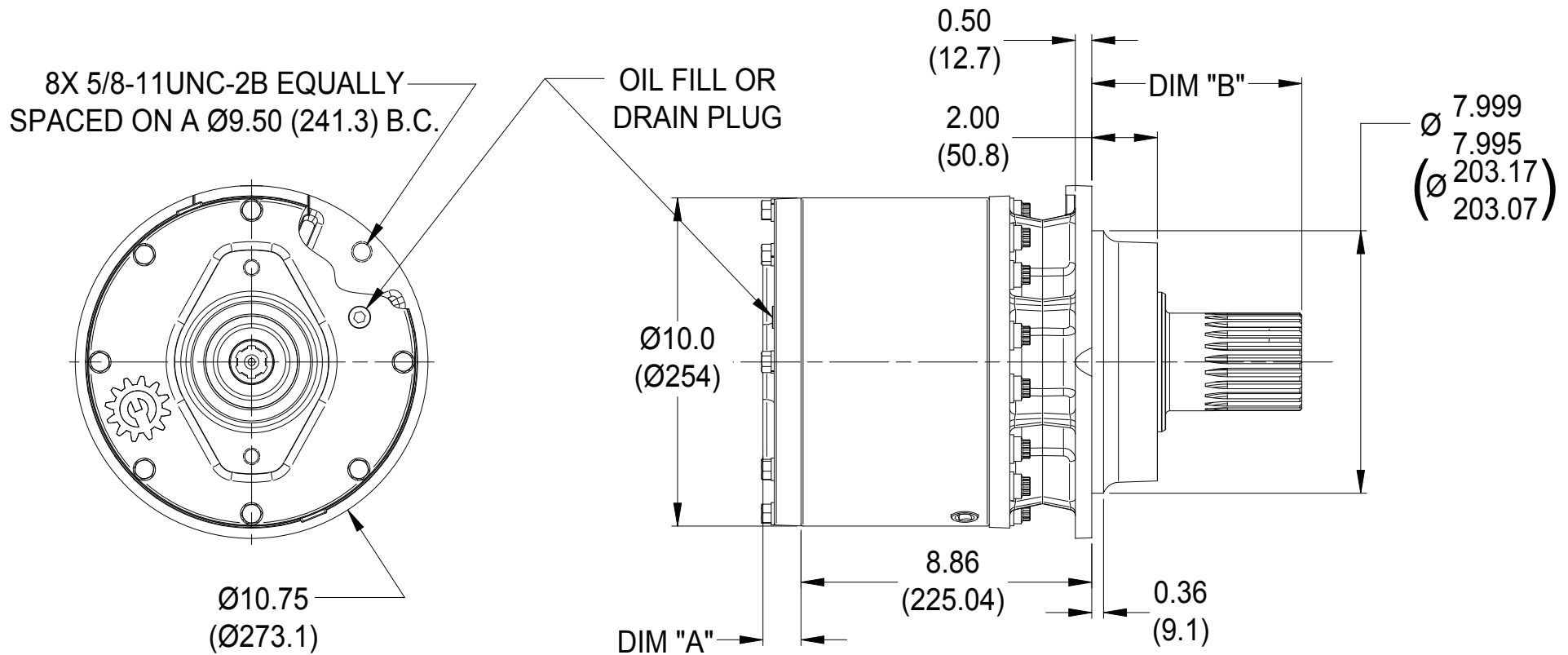
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## General Dimensions for Output Shaft Option Flangeless Gear Drive Mounting (ordering option 'F')

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## Dimension "A" Specifications

Input Spline Code	Ratio	Standard Input Mounting		
		SAE 'A'	SAE 'B'	SAE 'C'
2, 3, 5	4, 6, 19, 26, 36	1.22 (31.0)	1.17 (29.7)	1.47 (37.3)
4	4, 6, 19, 26	1.47 (37.3)	1.47 (37.3)	1.47 (37.3)
4	36	2.72 (69.1)	2.72 (69.1)	2.72 (69.1)
All	33, 45	2.72 (69.1)	2.72 (69.1)	2.72 (69.1)

## Dimension "B" Specifications

Input Mounting	Output Shaft Code					
	D1	D2	D3	D4	D5	D6
A	5.80 (147.3)	5.80 (147.3)	6.67 (169.4)	6.12 (155.4)	5.34 (135.6)	5.80 (147.3)
B	6.15 (159.2)	6.15 (159.2)	4.96 (126.0)	6.46 (164.1)	5.68 (144.3)	6.15 (159.2)
E	5.80 (147.3)	5.80 (147.3)	6.67 (169.4)	6.12 (155.4)	5.34 (135.6)	5.80 (147.3)
F	6.40 (162.6)	6.40 (162.6)	5.21 (132.3)	6.71 (170.4)	5.93 (150.6)	6.40 (162.6)
C	<i>Consult Eskridge</i>					



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## Oil Capacities

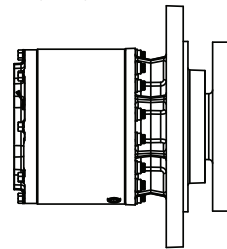
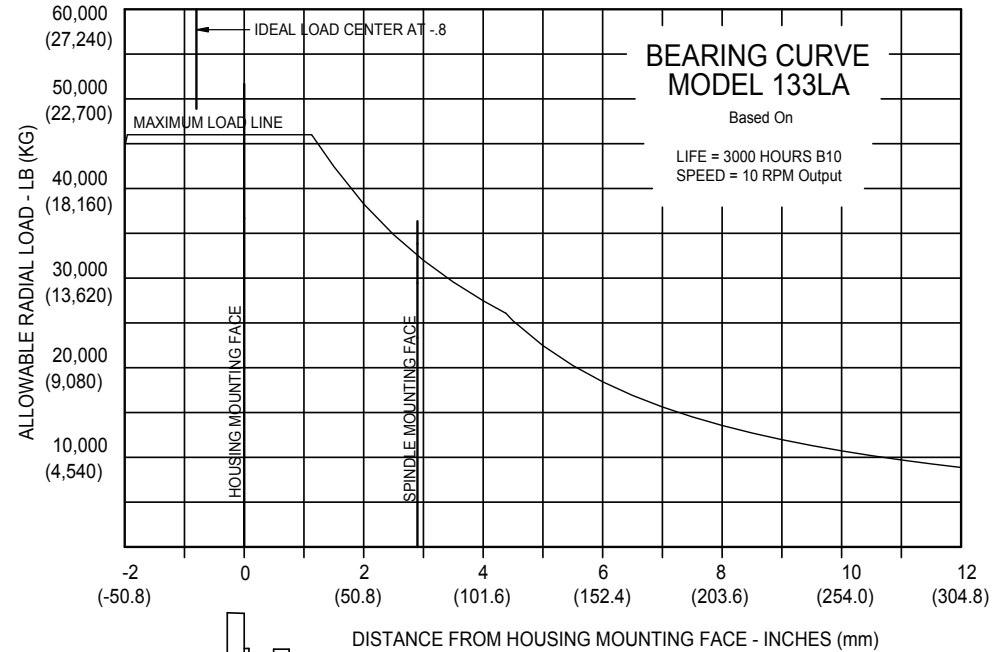
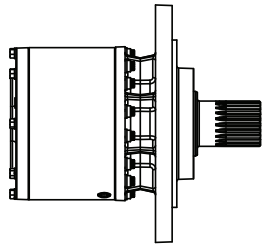
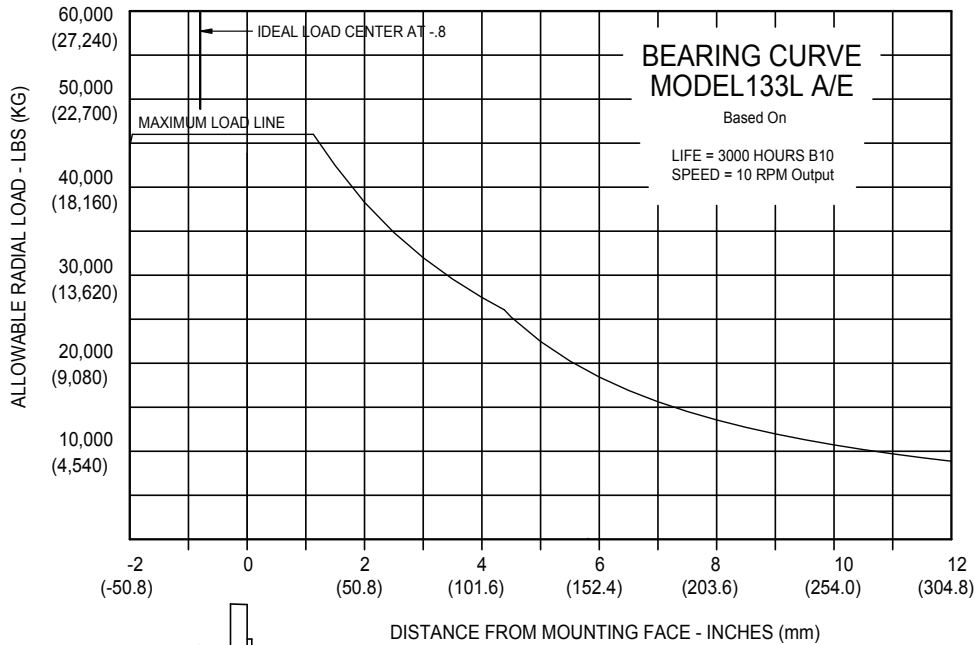
Position	Quantity		
	Single Stage	Double Stage	Triple Stage
<i>Vertical</i>	5.0 pts (2.4 L)	5.0 pts (2.4 L)	6.9 pts (3.25 L)
<i>Horizontal</i>	3.0 pts (1.4 L)	3.0 pts (1.4 L)	4.1 pts (1.9 L)

All units are shipped dry (without oil).

## Approximate Unit Weights

Input Mounting	Stages		
	<i>Single Planetary</i>	<i>Double Planetary</i>	<i>Triple Planetary</i>
A	189 (86)	200 (91)	218 (99)
B	157 (71)	168 (76)	186 (84)
E	164 (74)	175 (79)	193 (88)
F	140 (64)	150 (68)	168 (76)
C	<i>Consult Eskridge</i>		

## Bearing Curves



Adjust for loads and speeds other than those shown on these curves using this formula.

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



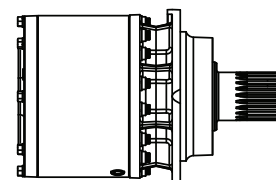
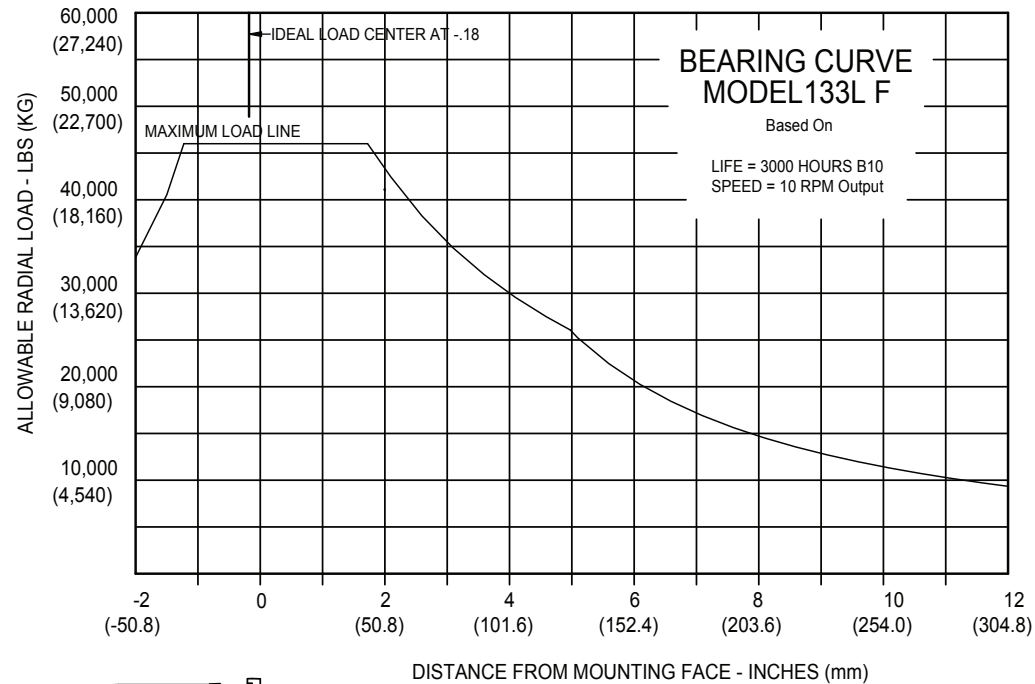
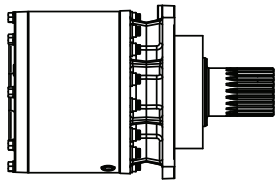
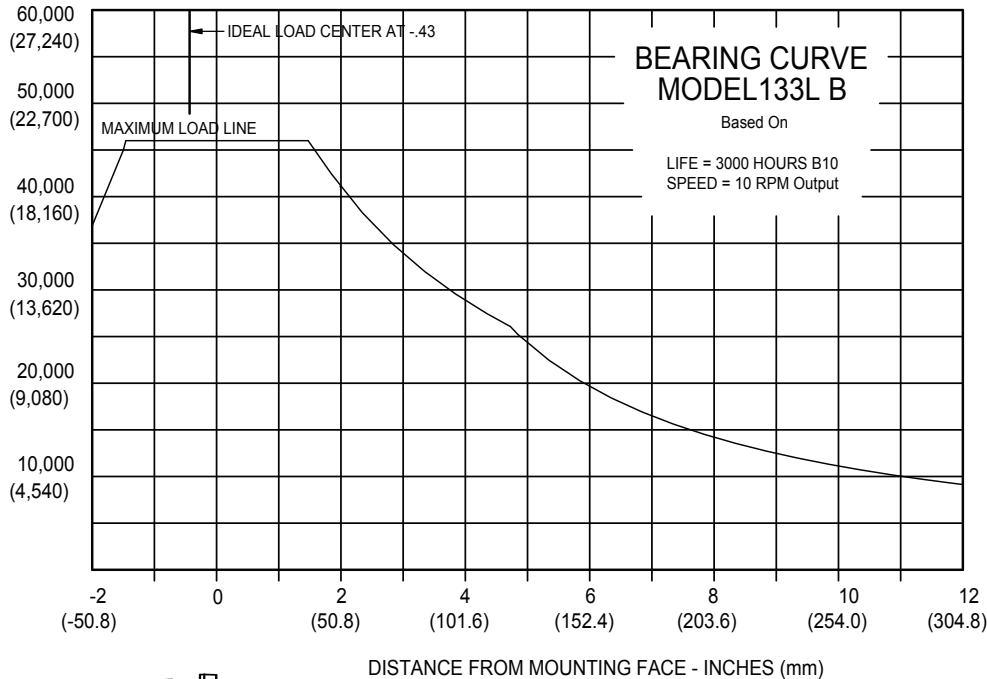


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## Bearing Curves



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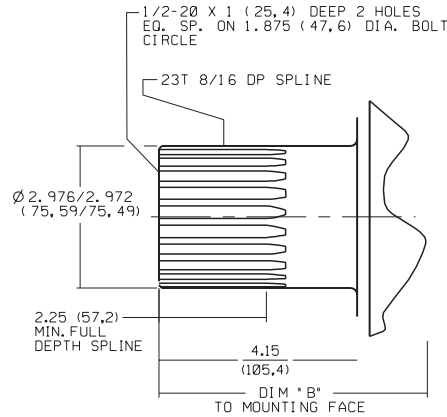
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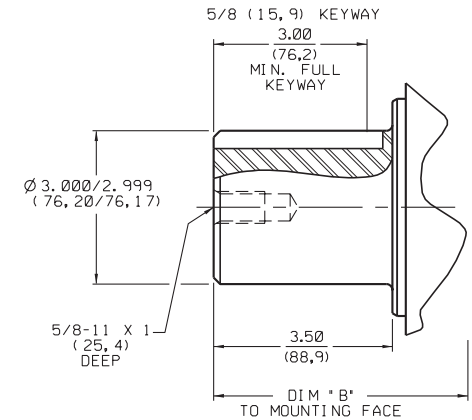
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## Output Shaft Options *Values are shown as "inches (millimeters)"*

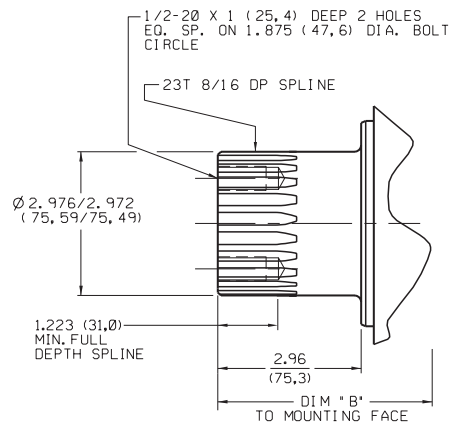
**D1 - 23T 8/16 DP Spline**



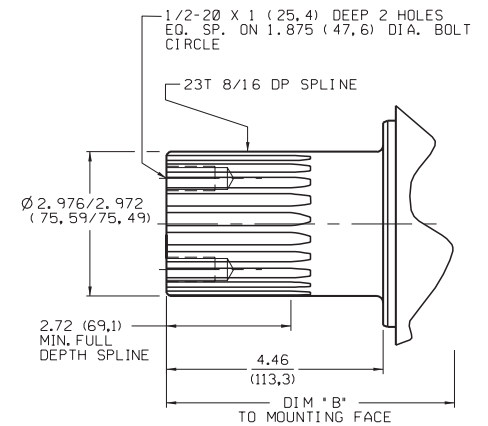
**D2 - 3.00" Dia. x 0.62" Key**



**D3 - 23T 8/16 DP Spline (Short)**



**D4 - 23T 8/16 DP Spline (long)**



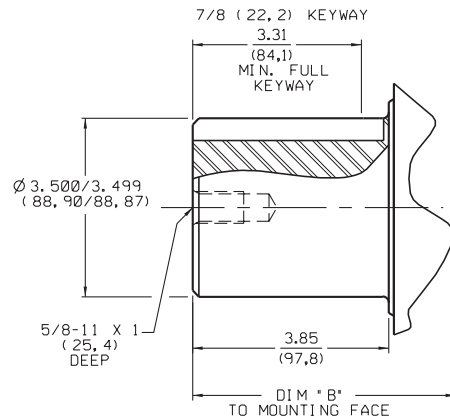


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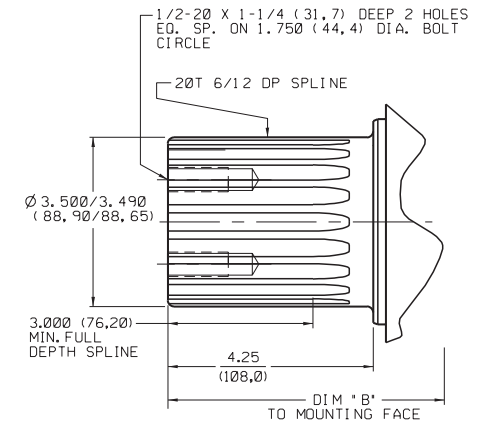
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**D5 - 3.50" Dia. x  
0.87" Key**



**D6 - 20T 6-12 DP  
Spline**



**S1 - 10.91" Dia.,  
7.00" Dia. Pilot , (8)  
3/4 - 16 UNH - Thru  
on 9.50" Dia. B.C.**

**Refer to Page 2 for Information**

**S2 - 10.91" Dia.,  
7.00" Dia. Pilot , 8  
Holes 5/8 Dia. on  
9.50" Dia. B.C.**

**Refer to page 2 for Information,  
S2 has 5/8" thru holes in place of  
threaded holes.**



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## Ordering Information

Example Part Number: 133LAD2B2-36-Z

Model	Shaft Retention	Gear Drive Mounting	Output Shaft	Input Mounting	Input Spline	Ratio	Options
133	L						
	<p>L - Load-N-Lock™ Patented shaft retention system            See shaft retention technical bulletin for details</p>	<p>A - Round Flange            AQ - A w/Quick Eccentric            B - Square Flange            E - Rectangular Flange            F - Flangeless            C - Custom</p>	<p>D1 - 23T - 8/16 DP Spline  <i>Adapter Hub available to fit D1 output shaft option.            Adapter Hub Part Number: 81-004-2172 Retainer Kit Part Number: 81-018-0741</i></p> <p>D2 - 3" Dia. X 62" Key</p> <p>D3 - 23T - 8/16 DP Spline (short)</p> <p>D4 - 23T 8/16 DP Spline (long)</p> <p>D5 - 3.50" Dia. X 0.87" Key</p> <p>D6 - 20T - 6/12 DP Spline</p> <p>S1 - 10.91" Dia., 7.00" Dia. Pilot (8) 3/4 - 16 UNF - Thru on 9.50" Dia. B.C.  <i>Spindle Output Shaft Option S1 must be ordered with the "A" or "C" gear-drive mounting option.</i></p> <p>C1 - Custom Shaft  <i>See Hubs &amp; Pinions technical bulletin for details.</i></p>	<p>A - SAE "A" (2 &amp; modified 4 Bolt)</p> <p>B - SAE "B" (2 Bolt, 4 Bolt available)</p> <p>C - SAE "C" (2 &amp; 4 Bolt)</p> <p>D - SAE "D" - single stage only (4 Bolt)  <i>See input mounting technical bulletin for dimensions.</i></p>	<p>2 - 13T 16/32 DP</p> <p>3 - SAE 1"-6B</p> <p>4 - 14T 12/24 DP</p> <p>5 - 15T 16/32 DP</p> <p>Splines 7 &amp; 9 below only available with single stage</p> <p>7 - 17T 12/24 DP</p> <p>9 - 13T 8/16 DP</p> <p><i>Verify motor shaft compatibility of input spline with factory.</i></p>	<p><i>Single Stage</i></p> <p>4 - 4.42:1</p> <p>6 - 6.00:1</p> <p><i>Double Stage</i></p> <p>19 - 19.54:1</p> <p>26 - 26.52:1</p> <p>33 - 33.15:1</p> <p>36 - 36.00:1</p> <p>45 - 45.00:1</p> <p><i>Triple Stage</i></p> <p>86 - 86.35:1</p> <p>117 - 117.21:1</p> <p>147 - 146.52:1</p> <p>159 - 159.12:1</p> <p>199 - 198.90:1</p> <p>216 - 216.00:1</p> <p>270 - 270.00:1</p> <p><i>Ratios up to 7,776:1 available</i></p>	<p>B - Boot  <i>Option available on spindle units, only</i></p> <p>Z - Grease Zerk  <i>Grease-Zerk is required for pinion-up applications</i></p> <p>R - Rotated Cover  <i>Followed by the number of cover bolt-holes to rotate the cover Counter-clock-wise (Example: R2 would mean cover is to be rotated 90 deg CCW).</i></p>