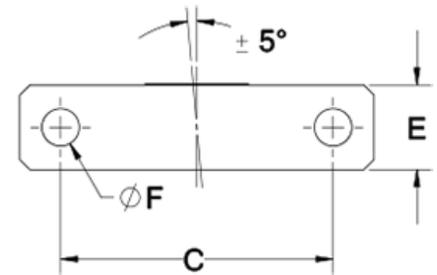
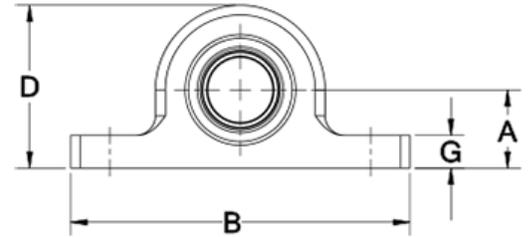




# PB1-500-B

**Description:** 1/2" SAE 840 Bronze Bearing,  
Self Align, Pillow-Block Mounted

<b>Bearing Type:</b>	Plain
<b>Alignment:</b>	Self-Aligning
<b>Mounting:</b>	Aluminum Pillow Block
<b>Nominal ID:</b>	0.5000 in
<b>ID Minimum:</b>	0.5010 in
<b>ID Maximum:</b>	0.5017 in
<b>Max Radial Load:</b>	600 lbf
<b>Max Speed:</b>	9,100 rpm
<b>Allowable Motions:</b>	Linear   Oscillating   Rotating
<b>Centerline to Base (A)</b>	0.5630 in
<b>Base Length (B)</b>	2.2500 in
<b>Bolt Hole Center to Center (C)</b>	1.7500 in
<b>Overall Height (D)</b>	1.1300 in
<b>Width (E)</b>	0.6300 in
<b>Mounting Hole Diameter (F)</b>	0.2800 in
<b>Mount Base Thickness (G)</b>	0.2500 in



<b>Material Content / Structure</b>	87.2%- 90.5% Copper / 9.5%- 10.5% Tin; 5% Mobil Medium Oil (45 Viscosity)
<b>Shaft Requirements</b>	MIN hardness of 95 Rockwell B, Recommended surface finish: 16 RMS (.4 Ra)
<b>Operating Temperature</b>	-20° to 200° Fahrenheit   -29° to 93° Celsius
<b>P - Pressure (Standard)</b>	2000 PSI
<b>P - Pressure (Metric)</b>	13.79 N/mm <sup>2</sup>
<b>V- Velocity (Standard)</b>	1200 FPM
<b>V- Velocity (Metric)</b>	6 m/s
<b>PV Max (Standard)</b>	25000 PSI x FPM
<b>PV Max (Metric)</b>	1.72 N/mm <sup>2</sup> x m/s
<b>Friction Coefficient</b>	μ 0.04 to 0.35
<b>Storage</b>	Clean, dry storage in plastic bags or bins to prevent oil loss. NOTE: Bronze must not contact absorbent materials (paper, cardboard, etc.) which can wick away oil.
<b>Maintenance</b>	Maintenance free