



HF3-625-B

Description: 5/8" SAE 840 Bronze Bearing,
Self Align, Housing-Flange Mounted

Bearing Type:	Plain
Alignment:	Self-Aligning
Mounting:	Aluminum Housing Flange
Nominal ID:	0.3750 in
ID Minimum:	0.3758 in
ID Maximum:	0.3765 in
Max Radial Load:	319 lbf
Max Speed:	12,200 rpm
Allowable Motions:	Linear Oscillating Rotating
Overall Length (A)	2.2500 in
Bolt Hole Center to Center (B)	1.7500 in
Overall Width (C)	1.1300 in
Overall Height (D)	0.4400 in
Flange Base Thickness (E)	0.1900 in
Mounting Hole Diameter (F)	0.2800 in

Material Content / Structure	87.2%- 90.5% Copper / 9.5%- 10.5% Tin; 5% Mobil Medium Oil (45 Viscosity)
Shaft Requirements	MIN hardness of 95 Rockwell B, Recommended surface finish: 16 RMS (.4 Ra)
Operating Temperature	-20° to 200° Fahrenheit -29° to 93° Celsius
P - Pressure (Standard)	2000 PSI
P - Pressure (Metric)	13.79 N/mm ²
V- Velocity (Standard)	1200 FPM
V- Velocity (Metric)	6 m/s
PV Max (Standard)	25000 PSI x FPM
PV Max (Metric)	1.72 N/mm ² x m/s
Friction Coefficient	μ 0.04 to 0.35
Storage	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.
Maintenance	Maintenance free

