



## Cone Bearing Heaters

These GCS Series non-inductive heaters temporarily expand the bore diameter of a bearing to help slide the bearing onto a shaft, reducing the risk of shaft damage. Provide even heat without the use of hot oil baths or a torch. Lightweight, portable, and accommodate a range of bearing sizes. Include heat protective gloves rated to 300°F and a heat sensitive marking crayon. 52HZ28 has a temp. control box.

Bore Diameter Range	Max. Output Temp. 250 °F	Operating Voltage 120V	Current 15 A	Width (in) 8 11⁄16	Height (in) 9 1⁄2	Without Control Box Item No. 52HZ27	With Control Box Item No. 52HZ28
3⁄8 in to 8 1⁄4 in							



## Induction Bearing Heaters

- Max. temp. output: 250°F (Induction); 302°F (Portable)

Use magnetic induction to heat a bearing so that it temporarily expands the bore diameter of a bearing to help slide the bearing onto a shaft, reducing the risk of shaft damage. Provide even heat without the use of hot oil baths or a torch. **Cross Bar** supports a bearing while it is being heated. **Raising Blocks** allow larger bearings to fit on the heater.

For Max. Outside Dia. (in)					Overall Dim. (in)			Mfr. Model		Item No.
Voltage		Current (A)	Cross Bar Sq. Sizes Included (in)		Cross Bar L (in)	W	H	D		
Bearing Heaters										
22	240V	30	1 1/4	3	14 3/4	8	16	17	BC 220V	4TDJ7
22	480V	20	1 1/4	3	14 3/4	8	16	17	BC 440V	4TDJ8
22	240V	30	1 1/4	3	18 1/2	10	16	22	BCS 220V	39F028
22	480V	20	1 1/4	3	18 1/2	10	16	22	BCS 440V	39F029
11	120V	17	3/4	2	9 1/4	7	9	11 1/2	SC 110V	4TDJ6
Portable Bearing Heater										
9 1/2	120V	15	3/4, 3/8, 3/16, 1/16	1 1/4	7 1/2	9 1/2	11	18	PV2412	45ZM98
Cross Bar Square (in)										
Series	L (in)	H (in)	Item No.		Series	Length (in)	Height (in)	Item No.		
Cross Bars for Bearing Heaters					Raising Blocks for Bearing Heaters					
SC	1 1/4	9 1/4	1 1/4	38ZD37	BC	3 3/8	5	4TDK1		
SC	3/4	9 1/4	3/4	181L46	SC	2 5/8	2 3/4	4TDJ9		



## Flange-Mount Plain Bearings

- Mounting Hole Center-to-Center: 3.375"

Support light to moderate loads, such as in conveying and other operations where the shaft passes through the bearing. **Bronze Insert** have a rust-resistant housing and an oiler port for lubrication. **UHMW Polyethylene Insert** are for use in washdown applications in wet or harsh environments.

Note: For more information on Max. PV, see Bearing Selection Guide on p. 128.

Bore Dia. (in)	Max. PV (lb/sq in-fpm)	Overall Dim. (in)	Flange Thickness (in)	Temp. Range	Item No.
2 Bolt Mount, Bronze Insert, Self-Aligning Type					
1/2 in	50,000	4.375 2.75 1.125	0.125	-5 °F to 220 °F	4X815
3/4 in	50,000	4.375 2.75 1.125	0.125	-5 °F to 220 °F	4X817
1 in	50,000	4.375 2.75 1.125	0.125	-5 °F to 220 °F	4X818
2 Bolt Mount, UHMW Polyethylene Insert, Self-Aligning Type					
3/4 in	3,000	4.375 2.75 1.125	0.125	-60 °F to 180 °F	1F572
1 in	3,000	4.375 2.75 1.125	0.125	-60 °F to 180 °F	1F570

1F572



## Pillow Block Plain Bearings

- Mounting Hole Center-to-Center Length: 3"
- Center Height: 1"

Support light to moderate loads, such as in conveying and other operations where the shaft passes through the bearing. **Bronze Insert** feature an oiler port for lubrication and a rust-resistant housing. **UHMW Polyethylene Insert** are for use in washdown applications in wet or harsh environments.

Note: For more information on Max. PV, see Bearing Selection Guide on p. 128.

Bore Dia. (in)	Max. PV (lb/sq in-fpm)	Overall Dimensions (in)	Max. Speed (RPM)	Temp. Range	Item No.
2 Bolt Mount, Bronze Insert, Self-Aligning Type					
1/2 in	50,000	4 1.125 2.093	6,000	-5 °F to 220 °F	2X567
3/4 in	50,000	4 1.125 2.093	4,500	-5 °F to 220 °F	2X530
1 in	50,000	4 1.125 2.093	5,000	-5 °F to 220 °F	2X529
1 in	50,000	4 1.125 2.093	3,500	-5 °F to 220 °F	2X531
2 Bolt Mount, UHMW Polyethylene Insert, Self-Aligning Type					
3/4 in	3,000	4 1.125 2	4,500	-60 °F to 180 °F	1F634
1 in	3,000	4 1.125 2	3,500	-60 °F to 180 °F	1F632

2X567



## Metallic Sleeve Plain Bearings

**C87850, Lead-Free Cast-Bronze**—Machined from continuous cast C87850 Eco Bronze with no added arsenic or bismuth. Suitable alternative to C93200 bronze. Uniform bronze structure, non-porous, and no solid particle inclusions.

- Max. PV: 100,000
- Temp. range: -40° to 400°F

**C93200 (SAE 660), Cast-Bronze**—Machined from continuous cast C93200 bronze. Uniform bronze structure, non-porous, and no solid particle inclusions.

- Max. PV: 75,000
- Temp. range: -40° to 500°F

**SAE 841, Sintered Bronze**—Oil-impregnated and conform to ASTM chemical and physical properties. Vacuum impregnated with SAE 30 oil that provides lubricant which is metered from the bearing to the shaft during rotation.

- Max. PV: 50,000
- Temp. range: 10° to 220°F

**Metallic Sleeve Bearing Kit, SAE 841**—Includes an assortment of different sizes of metallic sleeve bearings.



1X968

Kit No. 1X968 Contains:

Qty.	Inside Dia.	Outside Dia.	L
10	1/4"	3/16"	3/4"
5	1/4"	3/8"	1"
5	3/8"	1/2"	1"
12	1/2"	5/8"	1 1/8"
5	1/2"	1 1/16"	1 1/8"
5	1/2"	3/4"	1 1/8"
5	3/4"	1"	1"
5	3/4"	3/4"	1 1/8"
4	3/4"	1"	1 1/8"

Bore Dia.	Outside Dia.	Overall Length	Max. PV (lb/sq in-fpm)	Min. Temp. (°F)	Max. Temp. (°F)	Flange Dia. (in)	Flange Thickness (in)	Mfr. Model	Item No.
C87850, Lead-Free Cast Bronze									
Bunting Bearings									
3/4 in	1 in	1 in	100,000	-40	400	1.25	0.187	EBCF121608	49YV44
C93200 (SAE 660), Cast Bronze									
Bunting Bearings									
3/4 in	1 1/2 in	1 1/2 in	75,000	-450	500	—	—	CB060812	13T460
3/4 in	1 1/2 in	2 in	75,000	-450	500	—	—	CB121616	13T638
1 in	1 1/4 in	2 in	75,000	-450	500	—	—	CB162016	13T764
1 in	1 1/4 in	3 in	75,000	-450	500	—	—	CB162024	13T768
1 1/2 in	2 in	2 in	75,000	-450	500	—	—	CB243216	13U033
SAE 841, Sintered Bronze									
Bunting Bearings									
1/4 in	3/8 in	1/2 in	50,000	10	220	0.5	0.062	EF040608	12R650
3/8 in	1/2 in	3/8 in	50,000	10	220	0.687	0.062	EF050806	12R656
3/8 in	1/2 in	1/2 in	50,000	10	220	0.687	0.062	EF060808	12R659
1/2 in	5/8 in	3/8 in	50,000	10	220	0.875	0.125	EF081006	12R665
1/2 in	5/8 in	1/2 in	50,000	10	220	0.875	0.125	EF081008	12R666
1/2 in	3/4 in	1/2 in	50,000	10	220	1	0.125	EF081208	12R671
1/2 in	3/4 in	1 in	50,000	10	220	—	—	EP081216	12R742
3/4 in	1 in	1 in	50,000	10	220	—	—	EP121616	12R760
3/4 in	1 in	1 in	50,000	10	220	1.25	0.187	EF121616	12R688
1 in	1 1/4 in	3/4 in	50,000	10	220	1.5	0.125	EF162012	12R693
1 in	1 1/4 in	1 in	50,000	10	220	—	—	EP162016	12R768
1 in	1 1/4 in	1 in	50,000	10	220	1.5	0.125	EF162016	12R694
Dayton									
3/8 in	1/2 in	1 in	50,000	-5	220	—	—	1X871	1X871
3/4 in	1 in	1 1/8 in	50,000	-5	220	—	—	1X872	1X872
No. of Bearings	Bore Dia. Range	Outer Dia. Range	Max. Temp.	Brand	Mfr. Model	Item No.			
Metallic Sleeve Bearing Kits, SAE 841									
56	1/4 in to 3/4 in	3/16 in to 1 in	220 °F	Dayton	1X968	1X968			