

Bearing heaters



Simply better.

Portable Induction Bearing Heaters

Proper bearing installation is essential to maximum bearing life. By heating prior to installation, the bearing expands and slides easily onto the shaft. Magnetic induction is a safe and efficient method of generating heat to expand bearings for installation. No open flame or hot oil to worry about. Magnetic induction heats bearings evenly and quicker than hot plates.

1 Digital temperature and time control

All PV, PVH and SVH models feature digital time/temperature display controls as well as a magnetic probe.

2 Improve productivity

BESSEY® Induction bearing heaters help extend the useful life of bearings. Reducing the frequency of bearing maintenance means lower operating costs.

3 Vertical or Horizontal heating

PVH3813 and SVH5223 heat vertically or horizontally. Horizontal position heating time is 3 to 4 times faster—a 100 lb. unit heats in under 7 minutes vs. 25+ minutes, in the vertical position.



Portable digital temperature control, certified PV2412

Includes cross bars standard: ¼", ⅜", ½", ⅝", ¾", 1 ¼". 120V (15 amp).

	Max. weight ± lb bearings	Min. ID Ø	Max. OD Ø	Max. width B	Max. horizontal heating width C	Cross section poles D	Pole height	Temperature control max reach	Time control max reach	Approx. weight
PV2412	44 lbs	¾"	9 ½"	4 ¾"	—	1 ⅝"	5"	302°F	0-30 min.	47 lbs



*Bearings not included

Portable digital temperature control, certified PVH3813

Vertical or horizontal heating. Includes cross bars standard: ¼", ⅜", ½", ⅝", ¾", 1 ¼". 120V (15 amp).

	Max. weight ± lb bearings	Min. ID Ø	Max. OD Ø	Max. width B	Max. horizontal heating width C	Cross section poles D	Pole height	Temperature control max reach	Time control max reach	Approx. weight
PVH3813	110 lbs	⅜"/ Ø 3 ⅞"	15"	5 ¼"	5 ¼"	1 ⅝"/ Ø 3 ¾"	6 ½"	464°F	0-45 min.	51 lbs



*Bearings not included

Fast action, portable digital temperature control, certified SVH5223

Features swivel arm for faster change ups. Vertical or horizontal heating. Includes cross bars standard: ⅝", 1 ¼", 2 ⅜". 120V (15 amp), and 230V (16 amp) available.

	Max. weight ± lb bearings	Min. ID Ø	Max. OD Ø	Max. width B	Max. horizontal heating width C	Cross section poles D	Pole height	Temperature control max reach	Time control max reach	Approx. weight
SVH5223	330 lbs	⅝"/ Ø 4 ¾"	20 ½"	7 ⅞"	9"	2 ⅜"/ Ø 4 ½"	9"	464°F	0-45 min.	112 lbs
SVH5223 230	330 lbs	⅝"/ Ø 4 ¾"	20 ½"	7 ⅞"	9"	2 ⅜"/ Ø 4 ½"	9"	464°F	0-45 min.	112 lbs



*Bearings not included

WARNING: Do NOT operate an induction heater if you wear a heart pace-maker. The strong magnetic field emitted by the heater may affect operation of such devices.

Bearing heaters



Simply better.

Portable Bearing Heater Accessories

Medium duty digital temperature control, certified, SV5020

Fast, vertical heating of bearings. Includes cross bars: 1 3/16" and 2 3/4". 500V (16 amp).

	Max. weight ± lb bearings	Min. ID Ø	Max. OD Ø	Max. width B	Max. horizontal heating width C	Cross section poles D	Pole height	Temperature control max reach	Time control max reach	Approx. weight without cross bars
SV5020	330 lbs	1 3/16" / Ø4 1/4"	1 31/32" / 27 5/16"	7 7/8"	7"	2 3/4"	8 1/4"	464°F	0-60 min.	117 lbs



*Bearings not included

Medium duty digital temperature control, certified, SVH7931

Fast, horizontal heating of bearings. Includes one 3 3/8" cross bar. 500V (16 amp).

	Max. weight ± lb bearings	Min. ID Ø	Max. OD Ø	Max. width B	Max. horizontal heating width C	Cross section poles D	Pole height	Temperature control max reach	Time control max reach	Approx. weight without cross bars
SVH7931	770 lbs	1 3/16" / Ø6 1/4"	3 1/4" / 31 3/4"	12 1/2"	11"	6 1/4"	12 1/2"	404°F	0-60 min.	275 lbs
SVH7931M	770 lbs	1 3/16" / Ø6 1/4"	3 1/4" / 31 3/4"	12 1/2"	11"	6 1/4"	12 1/2"	404°F	0-60 min.	396 lbs

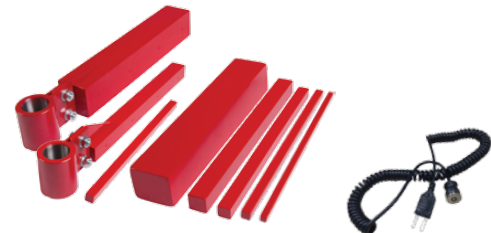


SVH7931M

*Bearings not included

Cross bars for bearing heater models SVH, PV and PVH

	Fits model	Size	Approx. Weight		Fits model	Size	Approx. Weight
SVH 3/16"	SVH5223	3/16" x 3/16" x 14"	1.10 lbs.	PV 13/16"	PV2412	13/16" x 13/16" x 7 7/8"	1.32 lbs.
SVH 1 3/16"	SVH5223/SV5020	1 3/16" x 1 3/16" x 14"	7.28 lbs.	PV 1 1/16"	PV2412	1 1/16" x 1 1/16" x 7 7/8"	5.22 lbs.
SVH 2 3/8"	SVH5223	2 3/8" x 2 3/8" x 14"	22.93 lbs.	PVH 1/4"	PVH3813	1/4" x 1/4" x 9 1/2"	0.20 lbs.
SVH 2 3/4"	SV5020	2 3/4" x 2 3/4" x 14"	27.00 lbs.	PVH 3/8"	PVH3813	3/8" x 3/8" x 9 1/2"	0.40 lbs.
SVH 3 1/8"	SVH7931	3 1/8" x 3 1/8" x 20"	55.50 lbs.	PVH 9/16"	PVH3813	9/16" x 9/16" x 9 1/2"	0.77 lbs.
PV 1/4"	PV2412	1/4" x 1/4" x 7 7/8"	0.15 lbs.	PVH 13/16"	PVH3813	13/16" x 13/16" x 9 1/2"	1.61 lbs.
PV 3/8"	PV2412	3/8" x 3/8" x 7 7/8"	0.31 lbs.	PVH 1 1/16"	PVH3813	1 1/16" x 1 1/16" x 9 1/2"	7.21 lbs.
PV 9/16"	PV2412	9/16" x 9/16" x 7 7/8"	0.64 lbs.				



Magnetic Temperature Probe

Connects to bearing heater. Attaches to inner race of bearing. Up to 350°F (240°C).

	Fits model	Approx. Weight
MP-PV/PVH/SVH	PV/PVH/SVH	0.13 lbs

Cone bearing heaters and accessories

Cone style bearing heaters (non-induction)

Cone bearing heaters generate clean, even heat for precision placement, resulting in extended bearing life.

- Start and stop with a switch
- Lightweight and portable, easy to move around a shop or factory floor
- No special wiring or set up, uses standard wall plugs 120 V / 15 A
- One cone bearing heater fulfills a range of bearing sizes
- Temperature preset on -CB versions, 250° F

	Bearing I.D. Range	Voltage	Width	Height	Approx. Weight
GCS-NCB	3/4" - 8 1/4"	120V (15 amp)	8 3/8"	9 1/2"	6.00 lbs.
GCS-CB*	3/4" - 8 1/4"	120V (15 amp)	8 3/8"	9 1/2"	6.00 lbs.

*Comes with control box with probe attached.



*Bearings not included

Bearing Mounting Unit, BRG33

Safe, precise, quick mounting of bearings, bushings, sealing rings, etc. The bearing is supported on its inner and outer ring during installation. Clear size markings, and impact resistant collets (made of durable sheet material) minimize damage to, and extend the life of, bearings. Specially designed for bearings with bore dimensions of 10 to 50mm and O.D. 26 - 110mm.

	Set Includes	Approx. Weight
BRG33	33 rings; 3 impact sleeves (alu); dead-blow hammer; carrying case	10.60 lbs.



Bearing heaters



Simply better.

Induction Bearing Heaters

Quick and dependable

Proper bearing installation is essential to safeguard maximum bearing life. Bearing failures can often be attributed to improper installation and mounting errors. Magnetic induction is a safe and efficient method of generating heat to expand bearings for installation. No open flame or hot oil to worry about. Magnetic induction heats bearings evenly and quicker than hot plates. All Induction Bearing Heaters on this page are single phase 60 hz units. 50 hz versions available as special request.

1 Proven Tools

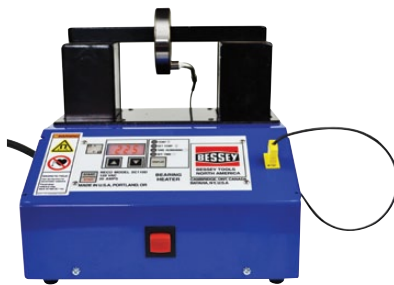
Tried and true models that are simple, durable and get the job done!.

2 Easy to Use

SC, BC and BCS models come with a simple On/Off while SC110D features a digital time/temperature display and magnetic probe.

3 Relevant Accessories

120 V/15A, 60/60 Hz units have extra available raising block, cross bars and a pyrometer/thermometer to make work easier for more difficult projects.



Induction bearing heater SC110V (120V or 220V)

- Bearing capacity: 4" x 11" O.D. (14"OD with optional raising blocks)
- Standard cross bars: ¾, 2

	Voltage	Optional Cross Bars	Approx. Weight
SC 110V	120V (17 amp)	1 ¼	49.60 lbs
SC 220V	240V (11 amp)	1 ¼	52.00 lbs

Digital Temperature Control, induction bearing heater SC 110D

- Bearing capacity: 4" x 11" O.D. (14"OD with optional raising blocks).
- Standard cross bars: ¾, 2

	Voltage	Optional Cross Bars	Approx. Weight
SC 110D	120V (17 amp)	1 ¼	53.50 lbs

Induction bearing heater BC (240V, 480V, or 600V)

- Bearing capacity: 7 ½" x 22" O.D. (32"OD with optional raising blocks).
- Standard cross bars: 1 ¼, 3

	Voltage	Optional Cross Bars	Approx. Weight
BC 220V	240V (30 amp)	1, 2	176.00 lbs
BC 440V	480V (20 amp)	¾, 1, 2	176.00 lbs
BC 550V	600V (15 amp)	¾, 1, 2	176.00 lbs

Induction bearing heater BC Special (240V, 480V, or 600V)

- Bearing capacity: 11 ½" x 22" O.D. (32"OD with optional raising blocks).
- Standard cross bars: 1 ¼, 3

	Voltage	Optional Cross Bars	Approx. Weight
BCS 220	240V (30 amp)	1, 2	199.00 lbs
BCS 440	480V (20 amp)	1, 2	199.00 lbs
BCS 550	600V (15 amp)	1, 2	199.00 lbs

Raising blocks for models: SC, BC, BCS

Increase maximum size of bearing for heating.

	Fits model	Height	Width	Approx. Weight
SCRB	SC	2 ¾"	2 5/8"	7.50 lbs.
BCRB	BC, BCS	5"	3 5/8"	31.00 lbs.



Pyrometer/Thermometer

Multi-purpose measuring device. Digital readout -200°C (-328°F) to +1372°C (+1999°F). Probe max rated for 650°C (1200°F).

	Approx. Weight
HH11C Probe & flex cord	2.00 lbs



Cross bars for models: SC, BC, BCS

	Fits model #
SC ¾	SC
SC 1 ¼⁽¹⁾	SC
SC 2	SC
BC ¾⁽¹⁾⁽²⁾	BC
BC 1⁽¹⁾	BC
BC 1 ¼	BC
BC 2⁽¹⁾	BC
BC 3	BC



	Fits model #
BCS 1⁽¹⁾	BC Special
BCS 1 ¼	BC Special
BCS 2⁽¹⁾	BC Special
BCS 3	BC Special
SC on/off	On/Off switch for SC
BC on/off	On/Off switch for BC

⁽¹⁾ Special order only. ⁽²⁾ WARNING: Do NOT use with model BC 220V

NOTE: Bearings not included.