

Bearing heaters

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 and SBH models feature digital time/temperature display controls as well as a magnetic probe.

2 Improve productivity

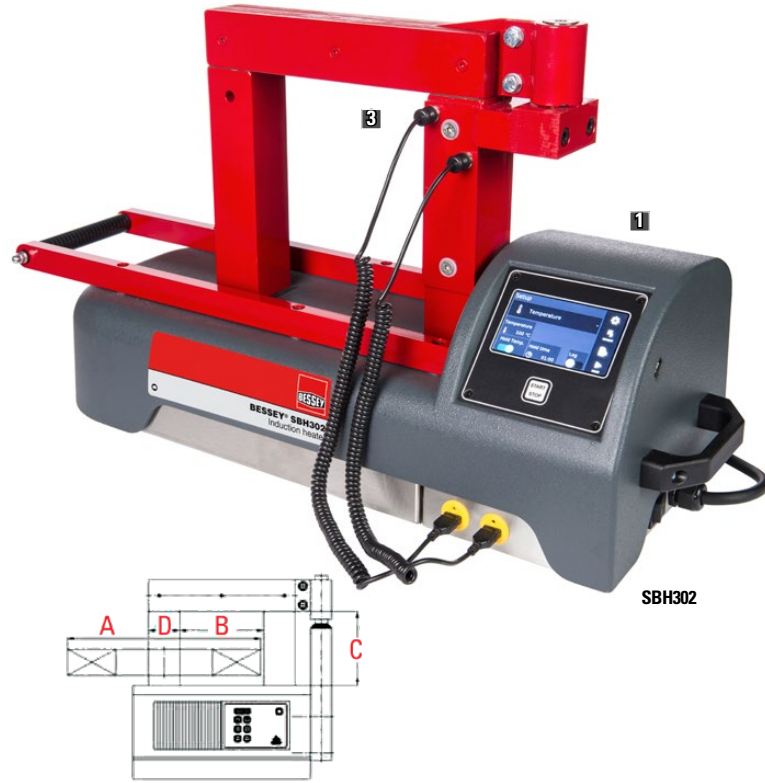
BESSEY® Induction bearing heaters help extend the useful life of bearings. Reducing the frequency of bearing maintenance means lower operating costs.

3 Vertical or Horizontal heating

SBH and SVH Series heat vertically or horizontally. Horizontal position heating time is generally 3 to 4 times faster.

4 SBH SMART Series

The SBH SMART Series is an industry leading and innovative tool. Dual sensors, data storage and export that allows proof-of-work.



Portable digital temperature control, certified PV2412

This lightweight portable bearing heater can move to the work piece, decreasing the possibility of damaging the work piece while moving throughout your facility. Cross bars, heat resistant gloves, magnetic temperature probe, Vaseline and manual are all conveniently stored within the carrying case. An easy to use keypad and controls make this bearing heater simple to operate. Comes with 5 cross bars: 1/4", 3/8", 1/2", 3/4", 1".

	Volt / Amps	Max. weight ± lb bearings	Min. ID	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
PV2412	120/15	44 lbs	3/8"	9 1/2"	4 3/4"	—	1 5/8"	302°F	0-30 min.	47 lbs



*Bearings not included

SBH SMART series

The SMART series offers more control over the heating process. These models have a modern easy-to-use touchscreen and 2 temperature probes for dual temperature sensing (Delta T). This allows more control over the heating process and less metallurgical "tension". A clear graph also shows the heating process. Features include:

- Ability to create proof of work
- Log function to store data or export to a USB-stick
- Tension-free heating (Delta T)
- Heats according to preset temperature/time curve

	Volt / Amps	Max. weight ± lb bearings	Min. ID	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
SBH301	120/13	110 lbs	7/16"/2 3/16"	15 3/4"	4 23/32"	4 11/16"	1 1/8" x 2"	464°F	0-99 min.	46.3 lbs
SBH302	120/15	220 lbs	1 13/16"/2 13/16"	19 11/16"	7"	7"	1 1/8" x 2"	464°F	0-99 min.	68.34 lbs
SBH303	230/16	303 lbs	1 1/8"/4 3/8"	23 3/8"	8 1/4"	7 7/8"	2 3/4" x 3"	464°F	0-99 min.	114.60 lbs

*Number of cross bars and sizes: **SBH301** = 3 cross bars; 1/4" x 1/4", 3/8" x 3/8", 1 1/8" x 2"
SBH302 = 2 cross bars; 1 1/8" x 1 1/8", 2" x 2"
SBH303 = 2 cross bars; 1 1/4" x 1 1/4", 2 3/4" x 3 1/8"

NEW



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Portable digital temperature control, certified PVH3813

Vertical or horizontal heating. Includes cross bars standard: 1/4", 3/8", 1/2", 13/16", 1 1/8".

	Volt / Amps	Max. weight ± lb bearings	Min. ID	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
PVH3813	120/15	110 lbs	3/8"/3 7/8"	15"	5 1/4"	5 1/4"	1 3/4"/3 3/4"	464°F	0-45 min.	51 lbs



*Bearings not included

Fast action, benchtop digital temperature control, certified SVH5223

Featuring a swivel arm for faster change ups. This bearing heater can be used in vertical and horizontal heating applications. Turbo feature available when used in the horizontal position. Comes with 3 cross bars: 3/8", 1 1/8", 2 3/8".

	Volt / Amps	Max. weight ± lb bearings	Min. ID	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
SVH5223	112/15	330 lbs	3/8"/4 3/4"	20 1/2"	7 7/8"	9"	2 3/4"/4 1/2"	464°F	0-45 min.	81.57 lbs
SVH5223 230	230/16	330 lbs	3/8"/4 3/4"	20 1/2"	7 7/8"	9"	2 3/4"/4 1/2"	464°F	0-45 min.	81.57 lbs



*Bearings not included

Medium duty digital temperature control, certified, SVH7931

This benchtop size bearing heater features the Turbo effect when used in the horizontal heating application. The swivel control panel allows the user to adjust the position that is best suited for the application. SVH7931M comes with a cart for effortless movement. This bearing heater comes with one, 3 1/8" cross bar.

	Volt / Amps	Max. weight ± lb bearings	Min. ID	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
SVH7931	500/16	770 lbs	1 3/16"/6 1/4"	31 3/64"	12 1/2"	11"	6 1/4"	404°F	0-60 min.	275 lbs
SVH7931M	500/16	770 lbs	1 3/16"/6 1/4"	31 1/16"	12 1/2"	11"	6 1/4"	404°F	0-60 min.	396 lbs



*Bearings not included



SVH7931M

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



Cross bars for bearing heater models SBH, SVH, PV and PVH

NEW BH1916295
NEW BH3811
NEW BH131611
NEW BH0211
NEW BH23811
NEW BH3814
NEW BH11414
NEW BH234214

	Fits model	Size	Approx. Weight		Fits model	Size	Approx. Weight	
	SBH301	1 3/16" x 2" x 9 1/2"	7.52 lbs		PV 1/4	PV2412	1/4" x 1/4" x 7 7/8"	0.15 lbs
	SBH302	3/8" x 3/8" x 11"	0.47 lbs		PV 3/8	PV2412	3/8" x 3/8" x 7 7/8"	0.31 lbs
	SBH302	13/16" x 13/16" x 11"	3.05 lbs		PV 1/2	PV2412	1/2" x 1/2" x 7 7/8"	0.64 lbs
	SBH302	2 3/8" x 2 3/8" x 11"	17.64 lbs		PV 13/16	PV2412	13/16" x 13/16" x 7 7/8"	1.32 lbs
	SBH303	3/8" x 3/8" x 14"	0.59 lbs		PV 1 1/8	PV2412	1 1/8" x 1 1/8" x 7 7/8"	5.22 lbs
	SBH303	1 1/4" x 1 1/4" x 14"	7.94 lbs		PVH 1/4	PVH3813/SBH301	1/4" x 1/4" x 9 1/2"	0.20 lbs
	SBH303	2 3/4" x 3 1/8" x 14"	32.58 lbs		PVH 3/8	PVH3813/SBH301	3/8" x 3/8" x 9 1/2"	0.40 lbs
	SVH 3/8	SVH5223	3/8" x 3/8" x 14"	1.15 lbs	PVH 1/2	PVH3813/SBH301	1/2" x 1/2" x 9 1/2"	0.77 lbs
	SVH 1 3/16	SVH5223/SV5020	1 3/16" x 1 3/16" x 14"	7.28 lbs	PVH 13/16	PVH3813/SBH301	13/16" x 13/16" x 9 1/2"	1.61 lbs
	SVH 2 3/8	SVH5223	2 3/8" x 2 3/8" x 14"	20.42 lbs	PVH 1 1/8	PVH3813/SBH301	1 1/8" x 1 1/8" x 9 1/2"	7.21 lbs
	SVH 2 3/4	SV5020	2 3/4" x 2 3/4" x 14"	28.48 lbs				
	SVH 3 1/8	SVH7931	3 1/8" x 3 1/8" x 20"	55.50 lbs				



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.