

# BESSEY® Product Training



**BESSEY® Tools North America**  
**Smart Bearing Heater: SBH Series**



# Smart Bearing Heater: SBH Series



Simply better.

## What does a bearing heater do?

Bearing heaters are used to assist the assembly or disassembly of bearings, gears, sprockets and other machine component through heat. The inner ring of the bearing is heated causing thermal expansion, which allows the bearing to be mounted or dismounted without damage. Typical heating temperatures for a bearing heater are between 230°F to 250°F (110°C to 120°C). Bearing heaters come with such features as: adjustable thermostats, demagnetization cycle, and temperature probes.

Typical types of bearing heaters are:



Cone Heater



Induction Heater

# Smart Bearing Heater: SBH Series



Simply better.

## Cone Heater:

Like the name they are cone shaped. The cone is stepped to accommodate a range of bearing sizes. Using an element, heat is transferred from the cone into the bearing inner ring



GCS-CB

## Induction Heater:

Induction heaters are also referred to as Induction heaters. A yoke is placed through the bore of the bearing. Electrical current flowing through the bearing causes it to heat up. This style of heater creates a magnetic field. Different sized yokes can be used to accommodate different size bearings.



SBH Series



SC 100V

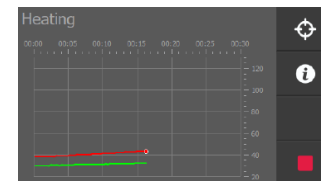
# Smart Bearing Heater: SBH Series



Simply better.

## **NEW** Smart Series SBH Bearing Heaters coming in January 2021

- Easy to use color touch-screen
- Dual temperature sensors for 2x measurement (Delta T)
- On screen graph feature
- QPS approved
- Dual temperature probe for more accurate heating
- 100% control over heating process
- Tension-free heating
- Export to USB-stick for PC logging and tracking
- Create proof of work reports for customers



# Smart Bearing Heater: SBH Series



Simply better.

BTNA CAT#	UPC	Image	Description	Service Voltage	Amps	ID (inch)	OD (inch)	Max Bearing Weight LBS	# of Yokes	Supersedes
SBH301	788502204910		Smart Induction Bearing Heater, 120V, Portable (Table Top)	120	13	$3/8 / 2^{9/16}$	15 3/4	110	3	PVH3813
SBH302	788502204927		Smart Induction Bearing Heater, 120V, Bench Model	120	16	$1^{3/16} / 2^{13/16}$	19 11/16	220	2	SVH5223
SBH303	788502204934		Smart Induction Bearing Heater, 230V, Bench Model	230	16	$1^{3/4} / 4^{5/16}$	23 5/8	330	2	SV5020

# Thank you for your attention!

BESSEY Tools North America