

Koyo®



Bearing Mounting Tools

Induction Heaters

Induction heating is a fast and controlled heating method to help facilitate shrink-fit mounting of bearings and other shaft-fitted components. It is a safe and environmentally friendly alternative to traditional heating methods such as ovens, oil baths, or blow torches. Koyo induction heaters ensure optimum control during the heating process, automatically regulating the most efficient use of power to provide balanced and fast heating.

- ▶ Correct mounting can lengthen the life span of bearings
- ▶ Automatic time or temperature control
- ▶ Components are automatically demagnetized at the end of the heating cycle
- ▶ Environmentally friendly: no smoke, fumes or oil waste
- ▶ Able to heat component horizontally or vertically (BH520 SXT Model)



BH240P



BH520SXT

Mounting Tool Kits

Practical mechanical mounting set for safe, precise and quick mounting of bearings, bushings, sealing rings, cam wheels and pulleys. The set consists of a dead-blow hammer, 3 aluminum sleeves and a set of 39 plastic collets (rings).

The impact resistant plastic collets support the inner and outer rings when mounting, preventing metal to metal contact and possible damage to the bearing rings and shaft.

- ▶ Safe, precise, and fast mounting
- ▶ Prevents metal to metal contact
- ▶ For bearings with bore diameters of 10 - 60mm



BMT39



Wind Power

Agriculture

Lift Truck

Machine Tool

Steel Mill

Power Sports

Automotive

Electric Motor

JTEKT
Group

Bearing Mounting Tool Specifications

TYPE	BH240P	BH520SXT
Capacity	1.8 kVA	1.8 kVA
Characteristics	Portable, easy to use machine. Specifically for service mechanics working on site.	Xtreme series, faster heating, horizontal or vertical heating capability
Voltage	120/230 V 50/60 Hz	120/230 V 50/60 Hz
Pole Section mm	40 mm	60 / 115 mm
Maximum Weight (+/-) kg		
Bearing	15	95
Other Parts	10	50
Maximum Bearing Diameter mm OD Norm, Extension Yokes	240	520 / 750
Pole Height mm	130	230
Temperature Control		
Max Reach	150° C	240° C
Magnetic Probe	Yes	Yes
Digital Display	Yes	Yes
Time Control		
Max Reach	0-30 min	0-45 min
Digital Display	Yes	Yes
Sound Signal	Yes	Yes
Error Report	Yes	Yes
Temperature Hold	Yes	Yes
Automatic Demagnetizing	Yes	Yes
Automatic Power Reduction	Yes	Yes
Thermal Safety Guard	Yes	Yes
Dimensions mm		
(L x W x H)	460 x 240 x 280	440 x 370 x 420
Mass Heater Body	21 kg excl. Yokes	37 kg
Yokes mm	7, 10, 14, 20, 40	10, 14, 20, 30, 60
Extension Yokes mm	No	60 x 60 x 120

List of Collets Included in BMT 39

All ISO bearing codes ending with	Example	Impact Sleeve				Impact Ring
		Small	Medium	Large	Extra Large	
000	6000	S				10-26
200	2200	S				10-30
300	7300	S				10-35
001	6001	S				12-28
201	3201	S				12-32
301	7301	S				12-37
002	6002	S				15-32
202	2202	S				15-35
302	3302	S				15-42
003	16003	S				17-35
203	7203	S				17-40
303	2303	S				17-47
403	6403		M			20-52
004	7004		M			20-42
204	3204		M			20-47
304	2304		M			20-52
404	6404		M			25-62
005	7005		M			25-47
205	22205		M			25-52
305	3305		M			25-62
405	6405		M			30-72
006	6006		M			30-55
206	NU 206		M			30-62
306	7306		M			30-72
406	6406			L		35-80
007	7007			L		35-62
207	22207			L		35-72
307	1307			L		35-80
407	NJ 407			L		40-90
008	6008			L		40-68
208	2208			L		40-80
308	7308			L		40-90
408	6408			L		45-100
009	7009			L		45-75
209	6209			L		45-85
309	N 309			L		45-100
409	6409			L		50-110
010	6010			L		50-80
210	2210			L		50-90
310	21310			L		50-110
011	6011				XL	55-90
211	20211				XL	55-100
311	3211				XL	55-120
012	6012				XL	60-95
212	20212				XL	60-110
312	3215				XL	60-130



Select the correct collet size and sleeve using the chart above. The bearing must be at a right angle to the shaft. In addition, the shaft should be slightly lubricated.

Apply mounting force to the bearing by placing the fitting tool impact ring and sleeve against the bearing or component and use the hammer (or a press) to advance the bearing to its proper location on the shaft or in the housing.

Do not apply a sleeve to the outer raceway when mounting on a shaft, or to the inner raceway when mounting into a housing.

NEVER mount a bearing by striking it directly with the hammer

Koyo

www.koyousa.com

JTEKT
Group