



# **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.



BH240P

- 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)

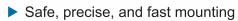


BH520SXT

## **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.



- Prevents metal to metal contact
- For bearings with bore diameters of 10 60mm



BMT39

Vind Power Agriculture Lift Truck Machine Tool Steel Mill Power Sports Automotive Electric Motor

TEKT

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### **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, hor- izontal 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	4500.0	2422.0		
Max Reach	150° C	240° C		
Magnetic Probe Digital Display	Yes Yes	Yes Yes		
Time Control	163	105		
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 m	nm No	60 x 60 x 120		

#### **List of Collets Included in BMT 39**

			Impact Ring			
All ISO						
bearingcodes						
ending with	Example	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
006 206	6006		M			30-55 30-62
306	NU 206 7306		M			30-62
406	6406		IVI	L		35-80
007	7007			<del>L</del>		35-62
207	22207			1 - 1		35-72
307	1307			1 - 1		35-80
407	NJ 407			L L		40-90
008	6008			i i		40-68
208	2208			i i		40-80
308	7308			1 - 1		40-90
408	6408			L L	1	45-100
009	7009			i i	1	45-75
209	6209			i i		45-85
309	N 309			Ē		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 collett 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 it's 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



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