

Koyo®

BEARING MOUNTING & REMOVAL TOOLS

S L O O T



JTEKT

BEARING 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.

NEW

*i*HEAT Series

Intelligent Heat Technology

Provides more control and more precise heating with 2 temperature probes that measure both the inner and outer ring temperatures.

Additionally, your data can be captured and downloaded on a USB flash drive for easier reporting.



BH400i

Heating capacity up to 50 kg

Includes 3 yokes



BH500i

Heating capacity up to 100 kg

Includes swivel arm and 2 yokes



BH600i

Heating capacity up to 150 kg

Includes swivel arm and 2 yokes

Standard Series



BH400S



BH500S

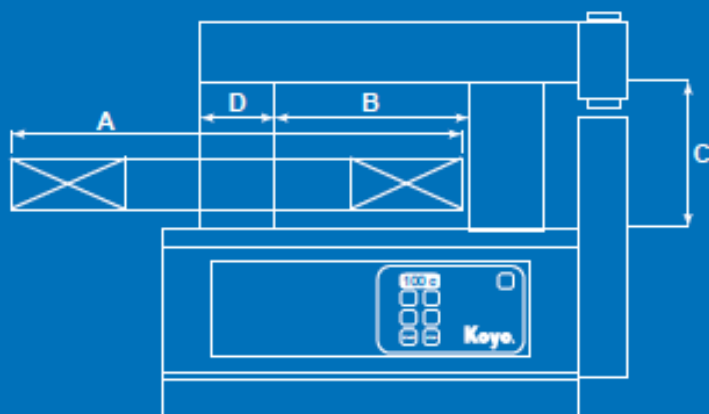


BH600S



BH240P

		BH240P Portable 120v/15A is standard	BH400S 120v/15A is standard	BH500S 120v/15A is standard	BH600S 230v/16A is standard	BH400i iHEAT 120v/13A is standard	BH500i iHEAT 120v/15A is standard	BH600i iHEAT 230v/16A is standard
Facility power; standard		1.5 kVA	1.5 kVA	1.8 kVA	3.7kVA	1.5 kVA	1.8 kVA	3.7kVA
Voltage/Amp*; standard		120V/15A	120V/13A	120V/15A	230V/16A	120V/13A	120V/15A	230V/16A
Voltage/Amp*; optional		230V/16A	230V/16A	230V/16A	2 ~ 400V/20A	230V/13A	230V/15A	2 ~ 400V/20A
Voltage/Amp*; optional					2 ~ 500V/16A			2 ~ 500V/16A
Voltage/Amp*; optional					2 ~ 600V/14A			2 ~ 600V/14A
Frequenz Hz		50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
# Yokes Included		5	3	2	2	3	2	2
Yokes, standard set in mm		7,10,14,20,40	7,14, 40x50	20,50	30, 70x80	7,14, 40x50	20,50	30, 70x80
Swivel arm		no	no	yes	yes	no	yes	yes
Max. weight ± kg		20	50	100	150	50	100	150
Min. ID Ø, mm; vertical/horizontal		10	10/65	30/72	45/110	10/65	30/72	45/110
Max. OD Ø, mm;	*A	240	400	500	600	400	500	600
Max. width,mm	*B	120	120	180	210	120	180	210
Pole height mm	*C	135	130	185	205	130	185	205
Cross section poles mm	*D	40x40	40x50	50x50	70x80	50x50	30x50	70x80
*Max. width at horizontal heating, mm"		-	130	185	205	130	185	205
Display		Digital	Digital	Digital	Digital	Touch	Touch	Touch
Log functionality		no	no	no	no	yes	yes	yes
Magnetic probe		Single	Single	Single	Single	Dual	Dual	Dual
Temperature control		yes	yes	yes	yes	yes	yes	yes
Time control		yes	yes	yes	yes	yes	yes	yes
Time or temperature control		no	no	no	no	yes	yes	yes
Temperature and speed control		no	no	no	no	yes	yes	yes
Temperature control °C/ F - max reach*		150°C /302°F	240°C /464°F	240°C /464°F	240°C /464°F	240°C /464°F	240°C /464°F	240°C /464°F
Time control - max. reach		0-45 min.	0-45 min.	0-45 min.	0-45 min.	0-99 min.	0-99 min.	0-99 min.
Sound signal		yes	yes	yes	yes	yes	yes	yes
Error report		message	message	message	message	report	report	report
Temperature hold		yes	yes	yes	yes	yes	yes	yes
Automatic power reduction		no	yes	yes	Only in temp. & speed mode	Only in temp. & speed mode	Only in temp. & speed mode	Only in temp. & speed mode
Aut. demagnetising, <2A/cm		yes	yes	yes	yes	yes	yes	yes
Thermal safety guard electronics		yes	yes	yes	yes	yes	yes	yes
Support for horizontal heating		no	yes	yes	yes	yes	yes	yes
Dimensions mm (lxbxh)		460x240x280	600x226x272	702x256x392	788x315x456	600x226x272	702x256x392	477x315x456
Weight heater kg excl. Yokes		21 (incl. yokes)	21 (excl. yokes)	31 (excl. yokes)	52 (excl. yokes)	21 (excl. yokes)	31 (excl. yokes)	52 (excl. yokes)



Type	BH240P	BH400S BH400i	BH500S BH500i	BH600S BH600i	
Max OD (mm)	A	240	400	500	600
Max width (mm)	B	120	120	180	210
Max width - horizontal heating (mm)	C	-	130	185	205
Cross section poles (mm)	D	40x40	40x50	50x50	70x80

Heating times are subject to the relationship between:

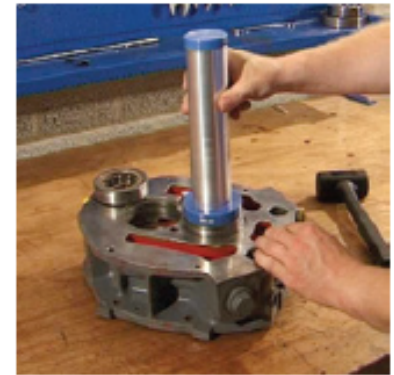
- ▶ Minimum bore & maximum outside diameter, width & weight
- ▶ Required temperature and material type
- ▶ Available power

TOOLS & ACCESSORIES



Mounting Tool Kit - BMT39

Practical mechanical mounting set for safe, precise and quick mounting of bearings, bushings, sealing rings, cam wheels and pulleys with bore diameters of 10mm - 60mm



Bearing Pullers

Koyo's self centering bearing pullers provide a safe and easy way to remove a wide variety of parts including bearings, bushings, wheels, gears, and pulleys.



Koyo Hydraulic Bearing Pullers				
Part Number	Capacity (tons)	Maximum Shaft Length (mm)	Maximum Spread (mm)	Unit Weight (kg)
KHP4	4	190	325	8.0
KHP8	8	280	450	12.0

Koyo Mechanical Bearing Pullers				
Part Number	Capacity (tons)	Maximum Shaft Length (mm)	Maximum Spread (mm)	Unit Weight (kg)
KMP2	2	80	120	1.6
KMP3	3	120	180	2.3
KMP5	5	160	270	4.3



Available Accessories



Heat Protective Gloves

Bearing Heater Probe (replacement)



Yoke 240/400



Yoke 500



Yoke 600

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