

THE COMPLETE RANGE OF TOOLS FOR MOUNTING, DISMOUNTING AND CHECKING OF ROTATING EQUIPMENT, IN MAINTENANCE AND PRODUCTION



BETEX

INDUCTION HEATER 22 ELD PORTABLE 3.6 kVA



**The portable induction heater!
Light weight, versatile, easy to
use on site**

**Suitable for minimum
bore size 15 mm!**

With this practical, portable heater you can heat bearings safe, fast and clean, up to ± 15 kg. The Betex ELD portable is standardly supplied with 4 yokes and is very easy to use. It is also suitable to heat couplings, gearwheels, rings, etc.

- ✓ including connector cable
- ✓ including 4 yokes
- ✓ temperature reading in °C or °F
- ✓ incl. automatic demagnetization < 2A/cm
- ✓ incl. temperature hold function
- ✓ light, versatile and easy to use on site
- ✓ user friendly



Easy transport



Use where ever you want



*Suitable for bearings.
Also for couplings, rings,
gearwheels etc.*



Job done!

IDEAL FOR SERVICE INDUSTRIES



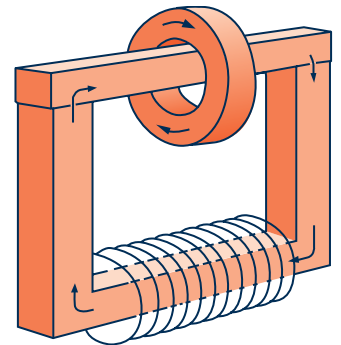
WHY USE INDUCTION HEATING?

- Correct mounting lengthens the life span of your bearings.
- Temperature and time can be preset and checked.
- Saves time and energy as preheating is unnecessary and inductive heating is quick.
- Perfect even heating of bearings.
- Safe: heater and yokes remain cool; only the work-piece is heated up; no accident prone hot oil, plates or blow torches.
- Healthy and environmentally friendly: no smoke, fumes or oil waste.
- Bearings remain clean and retain original prelubrication
- Ideal for 2RS-ZZ bearings.
- Bores remain cylindrical.

HOW DOES IT WORK?

An induction heater uses the principle of induction comparable to a transformer:

- Core and windings are the primary side.
- The bearing itself is a short circuited single turn secondary winding, which will produce heat, due to its great electrical resistance. During induction heating cycle a certain degree of magnetism occurs. All of our induction heaters demagnetize automatically after each heating cycle ($2A/cm$).



| TYPE | BETEX 22 ELD |
|---------------------------------|---|
| Capacity | 3.6 kVA |
| Characteristics | Portable, easy to use machine. Specially for service mechanics working on site. |
| Voltage | 120/230V-50/60Hz |
| Pole section mm | 40 |
| Max. bearing weight* (±) kg | 15 |
| Min./max. bearing diameter mm | 15/210 |
| Max. bearing width mm | 120 |
| Pole high | 130 |
| Temperature control | |
| - max. reach | 150°C |
| - magnetic probe | yes |
| - digital display | yes |
| Time control | |
| - max. reach | 0-30 min. |
| - digital display | yes |
| Sound signal | yes |
| Error report | yes |
| Temperature hold | yes |
| Automatic demagnetising | yes |
| Thermal safety guard | yes |
| Dimensions mm (lxwxh) | 435x225x275 |
| Mass heater body excl. yokes kg | 21 |
| Yokes mm | 10,14,20,40 |

* Depending on proportions and max. temperature



- display indicating time/temperature
- error mode
- time/temperature up/down
- time mode
- temperature mode
- start heating
- stop heating
- automatic demagnetization
- acoustic signal

