

BETEX® induction heaters

Mounting & Dismounting

Why use induction heating?

Induction heating is a superior, fast and controlled method. It is a safe and environmentally-friendly alternative to traditional heating methods such as ovens, oil baths or blow torches. These methods not only generate smoke and fumes, but also cause burning of necessary lubricating greases and damage to rollers due to uncontrolled and localised overheating. This makes them hazardous for your personal safety and a healthy working environment.

It is common knowledge that a correct mounting method extends the bearing life. Controlled stress-free heating prevents unnecessary damage, while retaining the original bearing lubrication. Ideal for sealed

bearings (2RS-ZZ). Bearing manufacturers recommend controlled induction heating as the best practice for bearing mounting.

Multifunctional, for mounting and dismounting

We offer solutions for Mounting (low-frequency) and Dismounting (medium-frequency). For bearings, gear wheels, bushings, couplings, etc.

Controlled heating Temperature and/or time

Smart electronics ensure optimum control during the heating process. These automatically regulate the most efficient use of power and ensure even and rapid heating. No extra steps are necessary. Explosive heating is impossible (no discolouration or pitting of material).

Demagnetization

Reliable demagnetization is very important for bearings and transmission parts. The proven quality of BETEX® induction heaters guarantees maximum demagnetization ($<2\text{A/cm}$). This has a positive impact on the service life of bearings and gears and the like.

Energy efficient

All BETEX® induction heaters are energy efficient in comparison with traditional methods.

New generation with smart technology

The heating process is displayed in a clear graph on a touchscreen. There is a log function to save or export data. A work log can be created as evidence. Thanks to the double temperature sensor it is possible to heat stress-free with preset values (ΔT).

For more control and stress-free mounting

Thanks to the ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents unnecessary material stress.



Operating principle

The heater works by inducing a (low-frequency) current in the workpiece to be heated. This is achieved by incorporating the workpiece as a secondary winding in a transformer. The primary winding is connected to the mains power by means of an electronic control. The magnetic field induces a high current (short-circuit current) through the workpiece, which consequently becomes hot. The workpiece is automatically demagnetized after each heating cycle.

Difference between low- and medium-frequency

- Low-frequency: slow heating, great heat penetration depth
- Medium-frequency: fast heating, shallow heat penetration depth

Heating times are subject to the relationship between:

- Dimensions and weight
- Temperature and material
- Available power



Dutch design

Schaeffler develops, manufactures and sells BETEX® induction heaters for professional use within industry and services sectors. Our induction heaters are used around the world, are reliable and user friendly.

Advantages of BETEX® induction heaters

- ✓ Safety for both the user and the component to be heated
- ✓ For mounting and dismounting
- ✓ Environmentally friendly: no smoke, no open flames, no fumes, no oil waste
- ✓ The energy saving alternative to traditional methods
- ✓ Robust design for use in industrial environments
- ✓ For sealed (2RS-ZZ) and pre-lubricated bearings
- ✓ Automatic power reduction
- ✓ Automatic demagnetization to <2A/cm
- ✓ Automatic reheat mode
- ✓ User-friendly swivel arm construction
- ✓ Designed for MRO and OEM departments
- ✓ 3-year warranty on electronic unit



Custom made

Schaeffler has realised many projects aimed at optimising production processes and increasing production capacity. For serial heating or heating of non-standard shapes.

Read more in the “Sometimes customisation is the best solution” starting on page 186.



All heaters are supplied with:

- Instruction manual
- Heat-resistant gloves 250°C / 482 °F
- Magnetic temperature probe (240°C / 464 °F)
- Vaseline for maintenance

Dependable quality

BETEX® induction heaters are proven to be reliable. Their sturdy styling and user-friendly design guarantees uninterrupted, problem-free operation in an industrial environment.

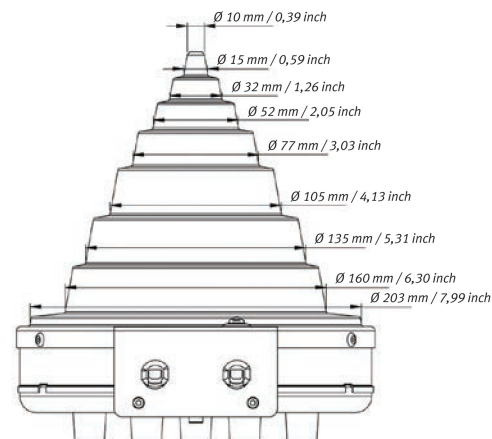
Service & Warranty

Our expertise and experience ensure quality, reliability, professional advice and outstanding service. BETEX® induction heaters are supplied with clear instructions and a 3-year warranty on the electronic components.



Electric heaters

BETEX Cone Heater, CH series



BETEX Cone Heater

For the heating of bearings, enabling easy mounting by means of shrinkage fitting.

Using the correct mounting method extends the bearing's service life. Electric heating is a safe alternative to traditional methods such as hammering, oil baths or blow torches. Suitable for the heating of gear wheels, bushings, couplings and other round metal workpieces.

The affordable alternative!

If your budget is limited, the BETEX Cone Heater is an affordable alternative to other heating systems. Easy to use and suitable for various sizes. In a lightweight aluminium housing. For quick and even heating.

Models with thermometer (CHC)

- Temperature control: with temperature preset to 120°C / 248 °F
- Thermostat feature: the unit will keep the bearing at a preset temperature

Advantages:

- ✓ Easy to use, just plug it in and switch it on
- ✓ Lightweight making it easier to move around
- ✓ Reliable and flexible
- ✓ Safe and clean operation
- ✓ Intermediate sizes also fit

Type BETEX Cone Heater	CHU	CHC
Art. no.	360600 - 120V 360610 - 230V	360700 - 120V 360710 - 230V
Power	725W	725W
Voltage/Amp	120V / 6A 230V / 3.2A	120V / 6A 230V / 3.2A
Frequency Hz	50/60	50/60
Max. weight ± kg	5-7	5-7
Min. ID Ø, mm	10	10
Max. ID Ø, mm	203	203
Max. OD Ø, mm	305	305
Temperature check in °C and °F Fixed temperature	-	120 °C / 248 °F
Heat retention function	No	Yes
Dimensions mm/inch (LxWxH)	365x220x240 / 14.4x8.7x9.5	365x220x240 / 14.4x8.7x9.5
Heater weight kg	2.4	2.6

Induction heaters

BETEX iDuctor 1 & 2 – hand tools



Supplied with case

Both devices are supplied in a handy plastic case, incl. a 2.0-metre flexible inductor, a 2.5-metre power cord, heat-resistant gloves (250°C) and an instruction manual.

BETEX iDuctor 1 & 2

The BETEX iDuctor is a small-sized professional hand tool for medium-frequency heating technology. This means it is a safe and clean method, free of open flames, that is perfect for use in workshops and on location.

BETEX iDuctors are the ultimate precision heating tool to loosen stuck parts (nuts, bolts, bearings). All sorts of metal parts, such as transmission parts, bearing housings, bolts, nuts, pipes and small surfaces can be heated locally. Thanks to the precise heating, the surroundings retain a normal temperature. As a result, stuck parts will expand and loosen, rust and sealants dissolve. The choice in inductors makes it a multipurpose tool which can be used for mounting, dismantling or preheating. Even for removal of decals, coating layers or paint residue from steel.

There are two types of iDuctor:

- The iDuctor 1 has a capacity of 1200 W.
- The more powerful iDuctor 2, with outputs of 2000 W and 2300 W, is more suitable for larger and heavier parts.



Read more about iDuctor accessories on page 10.

Advantages

- ✓ Heats extremely fast
- ✓ Additional inductors available
- ✓ Ergonomic design
- ✓ Time and Cost saving
- ✓ Can be operated with one hand
- ✓ No open flames
- ✓ Safe to use
- ✓ Multipurpose
- ✓ Suitable for difficult to access locations
- ✓ Maintenance free

Type	iDuctor 1	iDuctor 1	iDuctor 2	iDuctor 2	iDuctor 2	iDuctor 2	iDuctor 2
Certification	CE	UKCA	CE	UKCA	c(UL)us	CE	UKCA
Art. no.	231101	231121	231302	231322	231303	231301	231321
Power	1200W	1200W	2000W	2000W	2000W	2300W	2300W
Voltage/Amp	230V / 6A	230V / 6A	120V / 15A	120V / 15A	120V / 15A	230V / 10A	230V / 10A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Frequency range	30-65kHz	30-65kHz	30-65kHz	30-65kHz	30-65kHz	30-65kHz	30-65kHz
Thermal protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Error message	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cooling fan	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Microprocessor controlled, automatic power control in case of overload or overheating	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LED lighting	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Weight kg	1,4	1,4	1,4	1,4	1,4	1,4	1,4

Induction heaters

BETEX iDuctor accessories

Flexible inductors and accessories

Flexible inductors can be placed in or around a workpiece. Therefore, they are ideal for a large variety of parts.

1. Flexible inductor
2. ID-pad for local surface heating for removing decals, coating layers, paint residue etc. from steel.



Type	Art. no.	Wire thickness mm	Length mm	Temp. isolation °C (°F)
Flexible Inductor 1.1 mtr	231202	3.5	1100	650 (1202)
Flexible Inductor 2.0 mtr	231203	3.5	2000	650 (1202)
Flexible Inductor 2.5 mtr	231217	3.5	2500	650 (1202)
Flexible Inductor 3.0 mtr	231218	3.5	3000	650 (1202)
Flexible Inductor 3.5 mtr	231219	3.5	3500	650 (1202)
ID-pad	231205	3.5	-	150 (302)
Heat protective gloves (up to 250°C)	279998	-	-	250 (482)
Heat protective gloves (up to 300°C)	279992	-	-	300 (572)

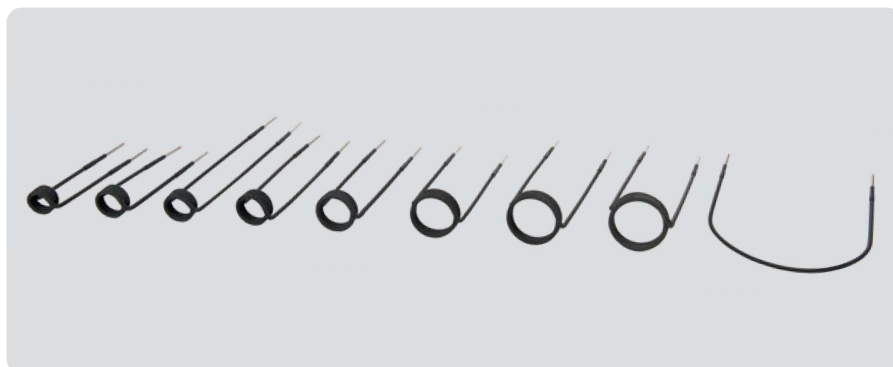
Flexible inductors with a length of more than 2 metres are mainly used for larger and heavier components that require correspondingly higher power. We therefore recommend combining it with the iDuctor 2 variants with an output of 2000 W or 2300 W.



iDuctor 1 set

Set of nine inductors consisting of different bolt sizes and a flexible U-inductor for the iDuctor 1 variants.

Art. no: 231204

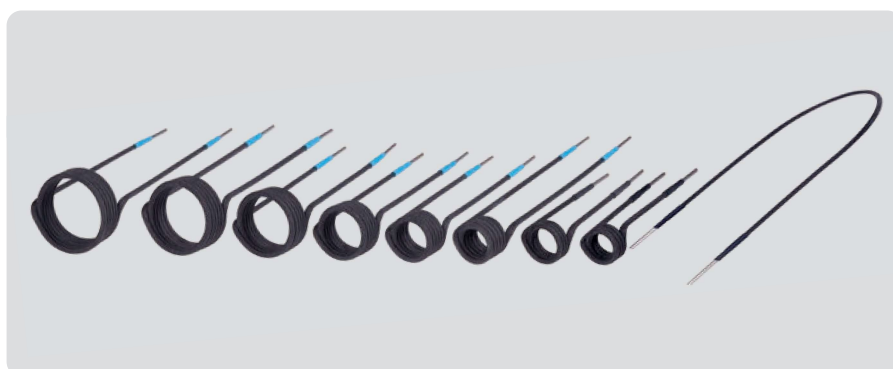


Set of 9 pcs.	Wire thickness mm	Internal diameter mm	Bolt size metric (imperial)	Windings	Length mm	Temp. isolation °C (°F)
52M30-240	3.5	52	M30 (1 1/4")	2,5	240	325 (617)
47M24-240	3.5	47	M24 (1")	2,5	240	325 (617)
40M20-200	3.5	40	M20 (3/4")	3,5	200	325 (617)
32M16-200	3.5	32	M16 (9/16")	3,5	200	325 (617)
26M12-200	3.5	26	M12 (7/16")	3,5	200	325 (617)
23M10-250	3.5	23	M10 (7/16")	3,5	250	325 (617)
23M10-150	3.5	23	M10 (7/16")	3,5	150	325 (617)
18M08-150	3.5	18	M8 (5/16")	3,5	150	325 (617)
U inductor 160-600	3.5	-	-	0,5	600	325 (617)

iDuctor 2 set

Set of nine inductors consisting of different bolt sizes and a flexible U-inductor for the iDuctor 2 variants.

Art. no: 231304



Set of 9 pcs.	Wire thickness mm	Internal diameter mm	Bolt size metric (imperial)	Windings	Length mm	Temp. isolation °C (°F)
52M30-240P+	3.5	52	M30 (1 1/4")	5,5	240	325 (617)
47M24-240P+	3.5	47	M24 (1")	5,5	240	325 (617)
40M20-200P+	3.5	40	M20 (3/4")	5,5	200	325 (617)
32M16-200P+	3.5	32	M16 (9/16")	5,5	200	325 (617)
26M12-200P+	3.5	26	M12 (7/16")	5,5	200	325 (617)
23M10-250P+	3.5	23	M10 (7/16")	5,5	250	325 (617)
23M10-150	3.5	23	M10 (7/16")	3,5	150	325 (617)
18M08-150	3.5	18	M8 (5/16")	3,5	150	325 (617)
U inductor 160-600	3.5	-	-	0,5	600	325 (617)

Induction heaters - lightweight: 7 kg

BETEX 24 XLDi



0

min. ID Ø mm

180

max. OD Ø mm

-

max. width mm

10

max. bearing weight kg

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Read more about the benefits of induction heaters in Section “Why use induction heating?” starting on page 6.

BETEX 24 XLDi

- Portable induction heater, weighs as little as 7 kg
- Single temperature measurement
- Digital display
- Ideal for use in workshops or on-site
- No yokes necessary



Type	BETEX 24 XLDi		
Temperature control	Yes		
Time control	Yes		
Automatic demagnetization	<2A/cm		

Type	Art. no.	Voltage/Amp/Power	Certification
24 XLDi CE	230610	230V / 6A / 1,2kVA	CE

See page 30 for detailed technical specifications.

Induction heaters – portable

BETEX BLF 200 portable



10

min. ID Ø mm

240

max. OD Ø mm

120

max. width mm

20

max. bearing weight kg



Read more about the benefits of induction heaters in Section “Why use induction heating?” starting on page 6.

BETEX BLF 200

- Portable induction heater
- Single temperature measurement
- Digital display
- Ideal for use in workshops or on-site
- 5 yokes included (See page 34)



Type	BETEX BLF 200
Temperature check	Yes
Time check	Yes
Automatic demagnetising	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 200 CE	4200150-CE	120V / 10A / 1,2kVA	CE
BLF 200 CE	4200250-CE	230V / 10A / 2,3kVA	CE
BLF 200 C-US	4200150-C-US	120V / 10A / 1,2kVA	cQPSus
BLF 200 C-US	4200250-C-US	240V / 5A / 1,2kVA	cQPSus
BLF 200 UKCA	4200250-UK	230V / 10A / 2,3kVA	UKCA

See page 30 for detailed technical specifications.

Induction heaters

BETEX BLF 201 & SLF 301



10/65

min. ID Ø mm

400

max. OD Ø mm

120

max. width mm

50

max. bearing weight kg

BETEX BLF 201

- Portable induction heater
- Single temperature measurement
- Digital display
- 3 yokes included (See page 34)

Type	BETEX BLF 201 BASIC	BETEX SLF 301 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature check	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 201 CE	4201230-CE	230V / 13A / 3,0kVA	CE
BLF 201 C-US	4201130-C-US	120V / 13A / 1,5kVA	cQPSus
BLF 201 C-US	4201230-C-US	240V / 13A / 3,2kVA	cQPSus
BLF 201 UKCA	4201230-UK	230V / 13A / 3,0kVA	UKCA
SLF 301 CE	4301230-CE	230V / 13A / 3,0kVA	CE
SLF 301 C-US	4301130-C-US	120V / 13A / 1,5kVA	cQPSus
SLF 301 C-US	4301230-C-US	240V / 13A / 3,1kVA	cQPSus
SLF 301 UKCA	4301230-UK	230V / 13A / 3,0kVA	UKCA

See page 30 for detailed technical specifications.



ΔT

Delta T

10/65
min. ID Ø mm

400
max. OD Ø mm

120
max. width mm

50
max. bearing weight kg



Read more about the benefits of induction heaters in Section “Why use induction heating?” starting on page 6.



Use in combination with “BETEX Impact 33 & 39” starting on page 50.

BETEX SLF 301

- Portable induction heater
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Create a proof work report
- Stress-free heating
- 3 yokes included (See page 34)

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Log function and export to USB stick (not included)



Heating a hanging workpiece, for small bores



Recommended horizontal heating position

Induction heaters

BETEX BLF 202 & SLF 302



30/72

min. ID Ø mm

500

max. OD Ø mm

180

max. width mm

100

max. bearing weight kg

BETEX BLF 202

- Benchtop model, heating capacity up to 100 kg
- With swivel arm
- Single temperature measurement
- Digital display
- 2 yokes included (See page 34)

Type	BETEX BLF 202 BASIC	BETEX SLF 302 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 202 CE	4202220-CE	230V / 16A / 3,7kVA	CE
BLF 202 C-US	4202120-C-US	120V / 15A / 1,8kVA	cQPSus
BLF 202 C-US	4202220-C-US	240V / 16A / 3,8kVA	cQPSus
BLF 202 UKCA	4202220-UK	230V / 13A / 2,9kVA	UKCA
SLF 302 CE	4302220-CE	230V / 16A / 3,7kVA	CE
SLF 302 C-US	4302120-C-US	120V / 15A / 1,8kVA	cQPSus
SLF 302 C-US	4302220-C-US	240V / 16A / 3,8kVA	cQPSus
SLF 302 UKCA	4302220-UK	230V / 13A / 2,9kVA	UKCA

See page 30 for detailed technical specifications.



ΔT

Delta T

30/72
min. ID Ø mm

500
max. OD Ø mm

180
max. width mm

100
max. bearing weight kg



Read more about the benefits of induction heaters in Section “Why use induction heating?” starting on page 6.



Use in combination with “BETEX Impact 33 & 39” starting on page 50.

BETEX SLF 302

- Benchtop model, heating capacity up to 100 kg
- With swivel arm
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- 2 yokes included (See page 34)

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Log function and export to USB stick (not included)



Recommended horizontal heating position



Ergonomically designed swivel arm

Induction heaters

BETEX BLF 203 & SLF 303



45/110

min. ID Ø mm

600

max. OD Ø mm

210

max. width mm

150

max. bearing weight kg

BETEX BLF 203

- Powerful benchtop model, heating capacity up to 150 kg
- With swivel arm
- Single temperature measurement
- Digital display
- 2 yokes included (See page 34)

Type	BETEX BLF 203 BASIC	BETEX SLF 303 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 203 CE	4203220-CE	230V / 16A / 3,7kVA	CE
BLF 203 C-US	4203220-C-US	240V / 16A / 3,8kVA	cQPSus
BLF 203 UKCA	4203220-UK	230V / 13A / 2,9kVA	UKCA
SLF 303 CE	4303220-CE	230V / 16A / 3,7kVA	CE
SLF 303 C-US	4303220-C-US	240V / 16A / 3,8kVA	cQPSus
SLF 303 UKCA	4303220-UK	230V / 13A / 2,9kVA	UKCA

See page 30 for detailed technical specifications.



45/110

min. ID Ø mm

600

max. OD Ø mm

210

max. width mm

150

max. bearing weight kg



Read more about the benefits of induction heaters in Section “Why use induction heating?” starting on page 6.



Use in combination with “BETEX Impact 33 & 39” starting on page 50.

BETEX SLF 303

- Powerful benchtop model, heating capacity up to 150 kg
- With swivel arm
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- 2 yokes included (See page 34)

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Log function and export to USB stick (not included)



Recommended horizontal heating position



Ergonomically designed swivel arm

Induction heaters

BETEX BLF 204 & SLF 304



45/110

min. ID Ø mm

600

max. OD Ø mm

210

max. width mm

200

max. bearing weight kg

BETEX BLF 204

- Powerful benchtop model, heating capacity up to 200 kg
- With swivel arm
- Single temperature measurement
- Digital display
- 2 yokes included (See page 34)

Type	BETEX BLF 204 BASIC	BETEX SLF 304 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 204 CE	4204420-CE	2 ~ 400V / 20A / 8kVA	CE
BLF 204 CE	4204720-CE	2 ~ 450V / 16A / 8kVA	CE
BLF 204 CE	4204520-CE	2 ~ 500V / 16A / 8 kVA	CE
BLF 204 C-US	4204520-C-US	2 ~ 480V / 16A / 8kVA	cQPSus
BLF 204 C-US	4204620-C-US	2 ~ 600V / 14A / 8kVA	cQPSus
SLF 304 CE	4304420-CE	2 ~ 400V / 20A / 8kVA	CE
SLF 304 CE	4304720-CE	2 ~ 450V / 16A / 8kVA	CE
SLF 304 CE	4304520-CE	2 ~ 500V / 16A / 8 kVA	CE
SLF 304 C-US	4304520-C-US	2 ~ 480V / 16A / 8kVA	cQPSus
SLF 304 C-US	4304620-C-US	2 ~ 600V / 14A / 8kVA	cQPSus

See page 32 for detailed technical specifications.



ΔT

Delta T

45/110

min. ID Ø mm

600

max. OD Ø mm

210

max. width mm

200

max. bearing weight kg



Read more about the benefits of induction heaters in Section “Why use induction heating?” starting on page 6.



Use in combination with “BETEX Impact 33 & 39” starting on page 50.

BETEX SLF 304

- Powerful benchtop model, heating capacity up to 200 kg
- With swivel arm
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- 2 yokes included (See page 34)

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Log function and export to USB stick (not included)



Recommended horizontal heating position



Ergonomic swivel arm

Induction heaters

BETEX BLF 205 & SLF 305



30/135

min. ID Ø mm

850

max. OD Ø mm

320

max. width mm

400

max. bearing weight kg

BETEX BLF 205

- Powerful mobile model, heating capacity of up to 400 kg
- With swivel arm
- Single temperature measurement
- Digital display
- Including 1 yoke (See page 34)

Type	BETEX BLF 205 BASIC	BETEX SLF 305 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 205 CE	4205410-CE	2 ~ 400V / 30A / 12kVA	CE
BLF 205 CE	4205710-CE	2 ~ 450V / 25A / 12kVA	CE
BLF 205 CE	4205510-CE	2 ~ 500V / 24A / 12kVA	CE
BLF 205 C-US	4205510-C-US	2 ~ 480V / 24A / 12kVA	cQPSus
BLF 205 C-US	4205610-C-US	2 ~ 600V / 20A / 12kVA	cQPSus
SLF 305 CE	4305410-CE	2 ~ 400V / 30A / 12kVA	CE
SLF 305 CE	4305710-CE	2 ~ 450V / 25A / 12kVA	CE
SLF 305 CE	4305510-CE	2 ~ 500V / 24A / 12kVA	CE
SLF 305 C-US	4305510-C-US	2 ~ 480V / 24A / 12kVA	cQPSus
SLF 305 C-US	4305610-C-US	2 ~ 600V / 20A / 12kVA	cQPSus

See page 32 for detailed technical specifications.



ΔT

Delta T

30/135

min. ID Ø mm

850

max. OD Ø mm

320

max. width mm

400

max. bearing weight kg



Read more about the benefits of induction heaters in Section "Why use induction heating?" starting on page 6.

BETEX SLF 305

- Powerful mobile model, heating capacity of up to 400 kg
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- Including 1 yoke (See page 34)

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Ergonomic swivel arm



Induction heaters

BETEX BLF 206 & SLF 306



60/150

min. ID Ø mm

1050

max. OD Ø mm

400

max. width mm

600

max. bearing weight kg

BETEX BLF 206

- Powerful mobile model, heating capacity of up to 600 kg
- With swivel arm
- Single temperature measurement
- Digital display
- Including 1 yoke (See page 34)

Type	BETEX BLF 206 BASIC	BETEX SLF 306 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 206 CE	4206410-CE	2 ~ 400V / 45A / 18kVA	CE
BLF 206 CE	4206710-CE	2 ~ 450V / 40A / 18kVA	CE
BLF 206 CE	4206510-CE	2 ~ 500V / 36A / 18kVA	CE
BLF 206 C-US	4206510-C-US	2 ~ 480V / 36A / 18kVA	cQPSus
BLF 206 C-US	4206610-C-US	2 ~ 600V / 30A / 18kVA	cQPSus
SLF 306 CE	4306410-CE	2 ~ 400V / 45A / 18kVA	CE
SLF 306 CE	4306710-CE	2 ~ 450V / 40A / 18kVA	CE
SLF 306 CE	4306510-CE	2 ~ 500V / 36A / 18kVA	CE
SLF 306 C-US	4306510-C-US	2 ~ 480V / 36A / 18kVA	cQPSus
SLF 306 C-US	4306610-C-US	2 ~ 600V / 30A / 18kVA	cQPSus

See page 32 for detailed technical specifications.



ΔT

Delta T

60/150

min. ID Ø mm

1050

max. OD Ø mm

400

max. width mm

600

max. bearing weight kg



Read more about the benefits of induction heaters in Section "Why use induction heating?" starting on page 6.

BETEX SLF 306

- Powerful mobile model, heating capacity of up to 600 kg
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- Including 1 yoke (See page 34)

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Ergonomic swivel arm



Induction heaters

BETEX BLF 207 & SLF 307



260/60

min. ID Ø mm

1150

max. OD Ø mm

430

max. width mm

800

max. bearing weight kg

BETEX BLF 207

- Powerful model, heating capacity of up to 800 kg
- Single temperature measurement
- Digital display
- Including 1 yoke (See page 34)
- Optional: electric crane for yokes and/or mobile

Type	BETEX BLF 207 BASIC	BETEX SLF 307 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 207 CE	4207410-CE	2 ~ 400V / 60A / 24kVA	CE
BLF 207 CE	4207710-CE	2 ~ 450V / 50A / 24kVA	CE
BLF 207 CE	4207510-CE	2 ~ 500V / 48A / 24kVA	CE
BLF 207 C-US	4207510-C-US	2 ~ 480V / 48A / 24kVA	cQPSus
BLF 207 C-US	4207610-C-US	2 ~ 600V / 40A / 24kVA	cQPSus
SLF 307 CE	4307410-CE	2 ~ 400V / 60A / 24kVA	CE
SLF 307 CE	4307710-CE	2 ~ 450V / 50A / 24kVA	CE
SLF 307 CE	4307510-CE	2 ~ 500V / 48A / 24kVA	CE
SLF 307 C-US	4307510-C-US	2 ~ 480V / 48A / 24kVA	cQPSus
SLF 307 C-US	4307610-C-US	2 ~ 600V / 40A / 24kVA	cQPSus

See page 32 for detailed technical specifications.



ΔT

Delta T

260/60

min. ID Ø mm

1150

max. OD Ø mm

430

max. width mm

800

max. bearing weight kg



Read more about the benefits of induction heaters in Section "Why use induction heating?" starting on page 6.

BETEX SLF 307

- Powerful model, heating capacity of up to 800 kg
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- Including 1 yoke (See page 34)
- Optional: electric crane for yokes and/or mobile

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Optional wheels
and push bar



Adjustable support



Induction heaters

BETEX BLF 208 & SLF 308



330/90

min. ID Ø mm

1700

max. OD Ø mm

710

max. width mm

1600

max. bearing weight kg

BETEX BLF 208

- Powerful model, heating capacity of up to 1600 kg
- Single temperature measurement
- Digital display
- Including 1 yoke (See page 34)
- Optional: electric crane for yokes and/or mobile

Type	BETEX BLF 208 BASIC	BETEX SLF 308 SMART
Log functionality	No	Yes
Magnetic probe	1	2
Delta-T ΔT	No	Yes
Temperature control	Yes	Yes ΔT
Time control	Yes	Yes
Time or temperature control	No	Yes ΔT
Temperature and speed control	No	Yes ΔT
Automatic demagnetization	<2A/cm	<2A/cm

Type	Art. no.	Voltage/Amp/Power	Certification
BLF 208 CE	4208410-CE	2 ~ 400V / 100A / 40kVA	CE
BLF 208 CE	4208710-CE	2 ~ 450V / 80A / 40kVA	CE
BLF 208 CE	4208510-CE	2 ~ 500V / 80A / 40kVA	CE
BLF 208 C-US	4208510-C-US	2 ~ 480V / 80A / 40kVA	cQPSus
BLF 208 C-US	4208610-C-US	2 ~ 600V / 65A / 40kVA	cQPSus
SLF 308 CE	4308410-CE	2 ~ 400V / 100A / 40kVA	CE
SLF 308 CE	4308710-CE	2 ~ 450V / 80A / 40kVA	CE
SLF 308 CE	4308510-CE	2 ~ 500V / 80A / 40kVA	CE
SLF 308 C-US	4308510-C-US	2 ~ 480V / 80A / 40kVA	cQPSus
SLF 308 C-US	4308610-C-US	2 ~ 600V / 65A / 40kVA	cQPSus

See page 32 for detailed technical specifications.



330/90

min. ID Ø mm

1700

max. OD Ø mm

710

max. width mm

1600

max. bearing weight kg



Read more about the benefits of induction heaters in Section "Why use induction heating?" starting on page 6.

BETEX SLF 308

- Powerful model, heating capacity of up to 1600 kg
- Double temperature measurement ΔT
- Touchscreen with clear graph
- Log function and export to USB stick
- Stress-free heating
- Including 1 yoke (See page 34)
- Optional: electric crane for yokes and/or mobile

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



Optional wheels
and push bar



Adjustable support



Technical specifications



Type	24 XLDi Portable	BLF 200 Portable	BLF 201	BLF 202	BLF 203
Voltage/Amp/Power CE	230V / 6A / 1,2kVA	120V / 10A / 1,2kVA 230V / 10A / 2,3kVA	120V / 13A / 1,5kVA 230V / 13A / 3,0kVA	120V / 15A / 1,8kVA 230V / 16A / 3,7kVA	230V / 16A / 3,7kVA
Voltage/Amp/Power cQPSus	-	120V / 10A / 1,2kVA 240V / 5A / 1,2kVA	120V / 13A / 1,5kVA 240V / 13A / 3,2kVA	120V / 15A / 1,8kVA 240V / 16A / 3,8kVA	240V / 16A / 3,8kVA
Voltage/Amp/Power UKCA	-	230V / 10A / 2,3kVA	230V / 13A / 3,0kVA	230V / 13A / 2,9kVA	230V / 13A / 2,9kVA
Frequency Hz	50/60	50/60	50/60	50/60	50/60
Swivel arm	-	No	No	Yes	Yes
Max. workpiece weight kg (±)	10	20	50	100	150
Min. ID Ø mm, vertical/horizontal	-	10	10/65	30/72	45/110
Max. OD Ø mm workpiece	A 180	240	400	500	600
Max. width mm	B -	120	120	180	210
Pole length mm	C -	135	130	185	205
Pole diameter mm	D -	40x40	40x50	50x50	70x80
Display	Digital	Digital	Digital	Digital	Digital
Log function	No	No	No	No	No
Magnetic probe	1	1	1	1	1
Delta-T ΔT	No	No	No	No	No
Temperature control	Yes	Yes	Yes	Yes	Yes
Time control	Yes	Yes	Yes	Yes	Yes
Time or temperature control	No	No	No	No	No
Temperature and speed control	No	No	No	No	No
Max. temperature °C / °F	150 °C / 302 °F	150 °C / 302 °F	240 °C / 464 °F	240 °C / 464 °F	240 °C / 464 °F
Max. time range	0-30 min.	0-30 min.	0-99 min.	0-99 min.	0-99 min.
Acoustic signal at the end of each heating cycle	Yes	Yes	Yes	Yes	Yes
Error message	Message	Message	Message	Message	Message
Temperature hold	Yes	Yes	Yes	Yes	Yes
Automatic power reduction	No	No	Yes	Yes	Yes
Aut. demagnetization, <2A/cm²	Yes	Yes	Yes	Yes	Yes
Thermal electronics protection	Yes	Yes	Yes	Yes	Yes
Support for horizontal heating	No	No	Yes	Yes	Yes
Dimensions mm/inch (lxwxh)	460x240x280 / 18x1x9.4x11	460x240x280 / 18x1x9.4x11	600x226x272 / 23.6x8.9x10.7	702x256x392 / 27.6x10.1x15.4	788x315x456 / 31x12.4x18
Heater weight kg excl. yokes	7	21 (incl. yokes)	21	31	52
Mobile	-	-	-	-	-

We reserve the right to alter technical specifications without prior notice.



Heating times are subject to the relationship between:

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

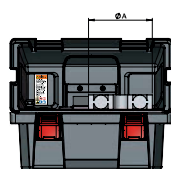


Induction accessories

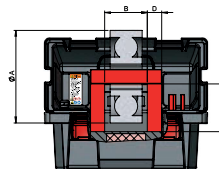
Read more about the (swivel) yokes, magnetic sensors, gloves and Vaseline in Section "Induction heaters accessories" starting on page 34.



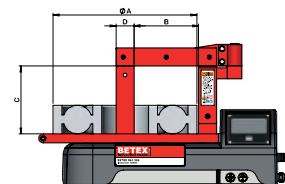
Type	SLF 301 ΔT	SLF 302 ΔT	SLF 303 ΔT
Voltage/Amp/Power CE	230V / 13A / 3,0kVA	230V / 16A / 3,7kVA	230V / 16A / 3,7kVA
Voltage/Amp/Power cQPSus	120V / 13A / 1,5kVA 240V / 13A / 3,1kVA	120V / 15A / 1,8kVA 240V / 16A / 3,8kVA	240V / 16A / 3,8kVA
Voltage/Amp/Power UKCA	230V / 13A / 3,0kVA	230V / 13A / 2,9kVA	230V / 13A / 2,9kVA
Frequency Hz	50/60	50/60	50/60
Swivel arm	No	Yes	Yes
Max. workpiece weight kg ($\pm$)	50	100	150
Min. ID $\varnothing$ mm, vertical/horizontal	10/65	30/72	45/110
Max. OD $\varnothing$ mm workpiece	A 400	500	600
Max. width mm	B 120	180	210
Pole length mm	C 130	185	205
Pole diameter mm	D 40x50	50x50	70x80
Display	Touch	Touch	Touch
Log function	Yes	Yes	Yes
Magnetic probe	2	2	2
Delta-T ΔT	Yes	Yes	Yes
Temperature control	Yes	Yes	Yes
Time control	Yes	Yes	Yes
Time or temperature control	Yes	Yes	Yes
Temperature and speed control	Yes	Yes	Yes
Max. temperature $^{\circ}\text{C}$ / $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$
Max. time range	0-99 min.	0-99 min.	0-99 min.
Acoustic signal at the end of each heating cycle	Yes	Yes	Yes
Error message	Report	Report	Report
Temperature hold	Yes	Yes	Yes
Automatic power reduction	Only in temp. & speed mode	Only in temp. & speed mode	Only in temp. & speed mode
Aut. demagnetization, $<2\text{A}/\text{cm}^2$	Yes	Yes	Yes
Thermal electronics protection	Yes	Yes	Yes
Support for horizontal heating	Yes	Yes	Yes
Dimensions mm/inch (lxwxh)	600x226x272 / 23.6x8.9x10.7	702x256x392 / 27.6x10.1x15.4	788x315x456 / 31x12.4x18
Heater weight kg excl. yokes	21	31	52
Mobile	-	-	-



24 XLDi



BLF 200



BLF 201 - 204 / SLF 301 - 304

Technical specifications



Type	BLF 204	BLF 205	BLF 206	BLF 207	BLF 208
Voltage/Amp/Power CE + UKCA	2 ~ 400V / 20A / 8kVA 2 ~ 450V / 16A / 8kVA 2 ~ 500V / 16A / 8kVA	2 ~ 400V / 30A / 12kVA 2 ~ 450V / 25A / 12kVA 2 ~ 500V / 24A / 12kVA	2 ~ 400V / 45A / 18kVA 2 ~ 450V / 40A / 18kVA 2 ~ 500V / 36A / 18kVA	2 ~ 400V / 60A / 24kVA 2 ~ 450V / 50A / 24kVA 2 ~ 500V / 48A / 24kVA	2 ~ 400V / 100A / 40kVA 2 ~ 450V / 80A / 40kVA 2 ~ 500V / 80A / 40kVA
Voltage/Amp/Power cQPSus	2 ~ 480V / 16A / 8kVA 2 ~ 600V / 14A / 8kVA	2 ~ 480V / 24A / 12kVA 2 ~ 600V / 20A / 12kVA	2 ~ 480V / 36A / 18kVA 2 ~ 600V / 30A / 18kVA	2 ~ 480V / 48A / 24kVA 2 ~ 600V / 40A / 24kVA	2 ~ 480V / 80A / 40kVA 2 ~ 600V / 65A / 40kVA
Frequency Hz	50/60	50/60	50/60	50/60	50/60
Swivel arm	Yes	Yes	Yes	No	No
Max. workpiece weight kg (±)	200	400	600	800	1600
Min. ID Ø mm, vertical/horizontal	45/110	30/135	60/150	260/60	330/90
Max. OD Ø mm workpiece	A 600	850	1050	1150	1700
Max. width mm	B 210	320	400	430	710
Pole length mm	C 205	305	315	515	780
Pole diameter mm	D 70x80	80x100	90x110	180x180	230x230
Display	Digital	Digital	Digital	Digital	Digital
Log function	No	No	No	No	No
Magnetic probe	1	1	1	1	1
Delta-T ΔT	No	No	No	No	No
Temperature control	Yes	Yes	Yes	Yes	Yes
Time control	Yes	Yes	Yes	Yes	Yes
Time or temperature control	No	No	No	No	No
Temperature and speed control	No	No	No	No	No
Max. temperature °C / °F	240 °C / 464 °F	240 °C / 464 °F	240 °C / 464 °F	240 °C / 464 °F	240 °C / 464 °F
Max. time range	0-99 min.	0-99 min.	0-99 min.	0-99 min.	0-99 min.
Acoustic signal at the end of each heating cycle	Yes	Yes	Yes	Yes	Yes
Error message	Message	Message	Message	Message	Message
Temperature hold	Yes	Yes	Yes	Yes	Yes
Automatic power reduction	Yes	Yes	Yes	Yes	Yes
Aut. demagnetization, <2A/cm	Yes	Yes	Yes	Yes	Yes
Thermal electronics protection	Yes	Yes	Yes	Yes	Yes
Support for horizontal heating	Yes	Yes	Yes	Yes	Yes
Dimensions mm/inch (lxwxh)	788x315x456 / 31x12.4x18	1214x560x990 / 47.8x22x39	1344x560x990 / 52.9x22x39	1080x650x955 / 42.5x25.6x37.6	1520x750x1415 / 59.8x29.5x55.7
Heater weight kg excl. yokes	56	150	170	250	720
Electric crane for yokes	-	-	-	Optional	Optional
Mobile	-	Yes	Yes	Optional (Height + 70mm)	Optional (Height + 70mm)

We reserve the right to alter technical specifications without prior notice.



Heating times are subject to the relationship between:

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

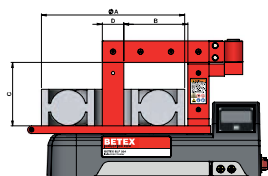


Induction accessories

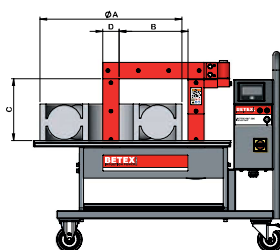
Read more about the (swivel) yokes, magnetic sensors, gloves and Vaseline in Section "Induction heaters accessories" starting on page 34.



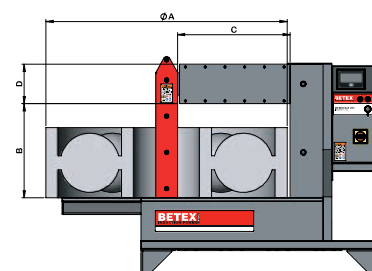
Type	SLF 304 ΔT	SLF 305 ΔT	SLF 306 ΔT	SLF 307 ΔT	SLF 308 ΔT
Voltage/Amp/Power CE + UKCA	2 ~ 400V / 20A / 8kVA 2 ~ 450V / 16A / 8kVA 2 ~ 500V / 16A / 8kVA	2 ~ 400V / 30A / 12kVA 2 ~ 450V / 25A / 12kVA 2 ~ 500V / 24A / 12kVA	2 ~ 400V / 45A / 18kVA 2 ~ 450V / 40A / 18kVA 2 ~ 500V / 36A / 18kVA	2 ~ 400V / 60A / 24kVA 2 ~ 450V / 50A / 24kVA 2 ~ 500V / 48A / 24kVA	2 ~ 400V / 100A / 40kVA 2 ~ 450V / 80A / 40kVA 2 ~ 500V / 80A / 40kVA
Voltage/Amp/Power cQPSus	2 ~ 480V / 16A / 8kVA 2 ~ 600V / 14A / 8kVA	2 ~ 480V / 24A / 12kVA 2 ~ 600V / 20A / 12kVA	2 ~ 480V / 36A / 18kVA 2 ~ 600V / 30A / 18kVA	2 ~ 480V / 48A / 24kVA 2 ~ 600V / 40A / 24kVA	2 ~ 480V / 80A / 40kVA 2 ~ 600V / 65A / 40kVA
Frequency Hz	50/60	50/60	50/60	50/60	50/60
Swivel arm	Yes	Yes	Yes	No	No
Max. workpiece weight kg ($\pm$)	200	400	600	800	1600
Min. ID $\varnothing$ mm, vertical/horizontal	45/110	30/135	60/150	260/60	330/90
Max. OD $\varnothing$ mm workpiece	A 600	850	1050	1150	1700
Max. width mm	B 210	320	400	430	710
Pole length mm	C 205	305	315	515	780
Pole diameter mm	D 70x80	80x100	90x110	180x180	230x230
Display	Touch	Touch	Touch	Touch	Touch
Log function	Yes	Yes	Yes	Yes	Yes
Magnetic probe	2	2	2	2	2
Delta-T ΔT	Yes	Yes	Yes	Yes	Yes
Temperature control	Yes	Yes	Yes	Yes	Yes
Time control	Yes	Yes	Yes	Yes	Yes
Time or temperature control	Yes	Yes	Yes	Yes	Yes
Temperature and speed control	Yes	Yes	Yes	Yes	Yes
Max. temperature $^{\circ}\text{C}$ / $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$	240 $^{\circ}\text{C}$ / 464 $^{\circ}\text{F}$
Max. time range	0-99 min.	0-99 min.	0-99 min.	0-99 min.	0-99 min.
Acoustic signal at the end of each heating cycle	Yes	Yes	Yes	Yes	Yes
Error message	Report	Report	Report	Report	Report
Temperature hold	Yes	Yes	Yes	Yes	Yes
Automatic power reduction	Only in temp. & speed mode	Only in temp. & speed mode	Only in temp. & speed mode	Only in temp. & speed mode	Only in temp. & speed mode
Aut. demagnetization, $<2\text{A}/\text{cm}$	Yes	Yes	Yes	Yes	Yes
Thermal electronics protection	Yes	Yes	Yes	Yes	Yes
Support for horizontal heating	Yes	Yes	Yes	Yes	Yes
Dimensions mm/inch (lxwxh)	788x315x456 / 31x12.4x18	1214x560x990 / 47.8x22x39	1344x560x990 / 52.9x22x39	1080x650x955 / 42.5x25.6x37.6	1520x750x1415 / 59.8x29.5x56.7
Heater weight kg excl. yokes	56	150	170	250	720
Electric crane for yokes	-	-	-	Optional	Optional
Mobile	-	Yes	Yes	Optional (Height + 70mm)	Optional (Height + 70mm)



BLF 201 - 204 / SLF 301 - 304



BLF 205 & 206 / SLF 305 & 306



BLF 207 & 208 / SLF 307 & 308

Induction heaters accessories

Yokes, sensors, gloves and Vaseline



Yoke 14x14x200



**Swivel-arm yoke
60x60x280**



**Swivel-arm yoke
30x30x350**



**Swivel-arm yoke
20x20x500**



**Swivel-arm yoke
80x80x500**



**Yoke
150x150x1140**

Yokes BLF 200

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Scope of delivery	Optional
42000707	10	7x7x200	0,1	No	✓	-
42001010	15	10x10x200	0,2	No	✓	-
42001414	20	14x14x200	0,3	No	✓	-
42002020	30	20x20x200	0,6	No	✓	-
42004040	60	40x40x200	2,4	No	✓	-

Yokes BLF 201 / SLF 301

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Scope of delivery	Optional
42000707	10	7x7x200	0,1	No	✓	-
42001010	15	10x10x200	0,2	No	-	✓
42001414	20	14x14x200	0,3	No	✓	-
42002020	30	20x20x200	0,6	No	-	✓
42004040	60	40x40x200	2,4	No	-	✓
42014050	65	40x50x200	3,6	No	✓	-

Yokes BLF 202 / SLF 302

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Scope of delivery	Optional
42021010	15	10x10x280	0,3	No	-	✓
42021414	20	14x14x280	0,4	No	-	✓
42022020	30	20x20x280	0,9	No	✓	-
42023030	45	30x30x280	2,4	Yes	-	✓
42024040	60	40x40x280	3,9	Yes	-	✓
42025050	72	50x50x280	5,8	Yes	✓	-

Yokes BLF 203 / BLF 204 / SLF 303 / SLF 304

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Scope of delivery	Optional
42031010	15	10x10x350	0,4	No	-	✓
42031414	20	14x14x350	0,5	No	-	✓
42032020	30	20x20x350	1,1	No	-	✓
42033030	45	30x30x350	3,6	Yes	✓	-
42034040	60	40x40x350	5,5	Yes	-	✓
42035050	72	50x50x350	7,9	Yes	-	✓
42036060	85	60x60x350	10,6	Yes	-	✓
42037070	100	70x70x350	14,0	Yes	-	✓
42037080	110	70x80x350	16,0	Yes	✓	-

Yokes BLF 205 / SLF 305

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Scope of delivery	Optional
42052020	30	20x20x500	3,0	Yes	-	✓
42053030	45	30x30x500	4,9	Yes	-	✓
42054040	60	40x40x500	7,6	Yes	-	✓
42056060	85	60x60x500	14,8	Yes	-	✓
42058080	115	80x80x500	26,0	Yes	✓	-

Yokes BLF 206 / SLF 306

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Content of delivery	Optional
42064040	60	40x40x600	8,6	yes	-	✓
42066060	85	60x60x600	17,7	yes	-	✓
42068080	115	80x80x600	29,0	yes	-	✓
42069090	130	90x90x600	38,0	yes	✓	-

Yokes BLF 207 / SLF 307

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Content of delivery	Optional
42074040	60	40x40x725	9,0	No	-	✓
42075050	72	50x50x725	14,5	No	-	✓
42076060	85	60x60x725	20,3	No	-	✓
42078080	115	80x80x725	36,1	No	-	✓
4207100100	145	100x100x725	56,4	No	✓	-

Yokes BLF 208 / SLF 308

Art. no.	Min. bore mm	Dimensions mm	Weight kg	Swivel arm	Content of delivery	Optional
42086060	85	60x60x1140	33,0	No	-	✓
42088080	115	80x80x1140	57,0	No	-	✓
4208100100	145	100x100x1140	89,0	No	-	✓
4208150150	215	150x150x1140	194,0	No	✓	-


**Magnetic sensor
spiral 240°C**

**Magnetic sensor
green 350°C**

**Non-magnetic
clamp temperature
sensor 240°C**

**Magnetic sensor
heavy duty 300°C**

**Heat-resistant
gloves 250°C**

Vaseline

Magnetic sensors

Type	Art. no.	Max. temperature °C	Length m
Magnetic temperature sensor (yellow) heavy duty	270572	300	1,1
Magnetic temperature sensor (black) spiral	270575	240	2,0
Non-magnetic clamp temperature sensor (yellow)	270581	240	1,1
Magnetic temperature sensor (green)	270583	350	2,0
Magnetic temperature sensor (green)	270584	350	3,5
Magnetic temperature sensor (green)	270585	240	1,1
Magnetic temperature sensor (red)	270588	350	3,5

Accessories

Type	Art. no.	Max. temperature °C	Weight kg
Pair of gloves heat resistant (cream)	279998	250	1,1
Pair of gloves heat resistant (black)	279992	300	2,0
Vaseline	279991	-	0,1

Induction heaters

BETEX MF Quick-Heaters - medium-frequency technology

Mounting, dismounting and preheating of metal components

Induction generators with medium-frequency technology are suitable not only for thermal assembly, but also for disassembly. Medium-frequency technology effectively transfers energy to the workpiece, allowing it to heat up easily and quickly. The BETEX MF Quick-Heater consists of a generator with a fixed or flexible inductor. Its compact dimensions make it easy to move around.

BETEX MF Quick-Heaters result in time savings as they can be deployed very rapidly (fewer actions) and heat faster than conventional methods. Energy use is much more efficient thanks to its lower power consumption. One of the major advantages of this type of induction heater is that they are not limited to components with a cylindrical shape: flexible inductors can be wound around any size or shape. This makes it possible to heat very large and heavy components.

Advantages of BETEX MF Quick-Heaters

- ✓ For mounting, dismounting and preheating
- ✓ Suitable for steel, cast iron, stainless steel and titanium
- ✓ Temperature and/or time controlled heating
- ✓ Double temperature measurement (ΔT monitoring)
- ✓ Low connection power (32/63 Amp)
- ✓ Generators are adjustable from 2.5 to 3.5/10/22/44 kW
- ✓ Easy to use and flexible
- ✓ Suitable for production and maintenance applications
- ✓ No residual magnetism
- ✓ No fire hazard due to open flames
- ✓ No noise, fumes or smoke nuisance
- ✓ Air-cooled: no water cooling needed
- ✓ Because the work is carried out damage-free, expensive components can be reused
- ✓ A flexible or fixed inductor is recommended depending on the application



To be used for

- Bearings
- Labyrinth rings
- Bearing rings
- Bearing housings
- Gear wheels
- Rollers
- Tubes
- Bushings
- Couplings
- Train wheels/train wheel tyres
- Extruders
- Stator housings

The BETEX MF Quick-Heater

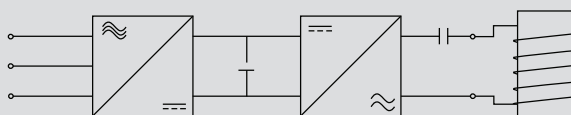
This heater consists of a generator and one or more inductors. The generator is designed for the connection of inductors used for heating ferromagnetic workpieces. Suitable materials include iron, steel, stainless steel, titanium and certain bronze alloys. The maximum capacity workpieces can be subjected to is 3.5, 10, 22 or 44 kW depending on the type of heater.

Operating principle

The three-phase voltage is rectified and smoothed. This rectified voltage is then converted by means of an inverter into an AC voltage with a frequency between 10 and 25 kHz. The power is then

applied to the workpiece magnetically via a 'resonance capacitor' using an inductor (coil).

Since the frequency is relatively high, the penetration depth of the magnetic field is not too large, so that only the outer layer of the workpiece is heated. This principle makes heating using medium-frequency particularly suitable for dismantling purposes, such as removing bearing rings from shafts.



Testing

For special applications, we can carry out tests in advance with components that the client provides for this purpose.

Custom made

If necessary, we can supply a customised application. For standard applications, we have a large database with examples. We also use simulation programmes.

Savings

By supplying optimum solutions, we achieve significant savings. In fact, measurable savings are guaranteed simply by working damage-free and hence, being able to reuse the parts.

Induction heaters

Medium-frequency heating methods

Fixed inductor around the workpiece

Energy input from outside to inside. For dismounting of, for example, bearing rings, labyrinth rings, pipes and rings.



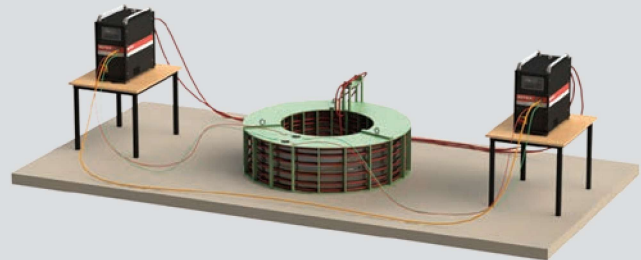
Fixed inductor in the workpiece

Heating a bore for bearing or shaft mounting.



Fixed inductor in and around the workpiece

For stress-free mounting of a bearing, two coupled generators are used. Inner and outer ring are heated simultaneously.



Pin inductor in the workpiece

Heating a bore for example for bearing or shaft mounting.



Table inductor

Local preheating for laser cladding.



Induction heaters

Medium-frequency projects



BETEX MF Quick-Heater 3.0, 22 kW

Mounting of wheels in an elevator plant using pin inductors. For this client, custom inductors were made, with the required lengths and diameters.



BETEX MF Quick-Heater 3.0, 22 kW

Dismounting in a steel plant using a flexible inductor wrapped around a bearing ring.

Temperature: 200°C
Time needed: 17 min.



BETEX MF Quick-Heater 3.0, 44 kW

Dismounting of a coupling at a gearbox repair company.

Temperature: 100°C
Time needed: 7 min.



BETEX MF Quick-Heater 3.0, 22 kW

Preheating in preparation for laser cladding.

Induction heaters

BETEX MF Quick-Heater 3.0 - 3.5kW

New



ΔT

Delta T

3.5
power kW

4,3"
display inch

230
voltages V

BETEX MF Quick-Heater 3.0 - 3.5kW

- Portable induction heater, weighs only 7.85 kg, ideal for working on site.
- Easy to connect to mains voltage (230V)
- Easy operation with 4,3" touchscreen
- Smart electronics ensure optimal operating frequency
- Dual temperature sensing (monitoring Delta T)
- Choice of flexible inductors: 5m, 7.5m, 10m (not included)

- Can heat according to preset temperature/time curve
- The heating process is displayed in a clear graph
- Log function to save and export data via a USB port

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.

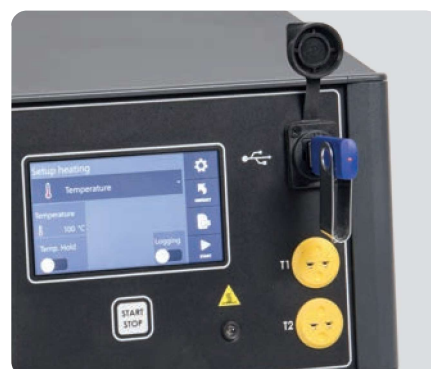
Type	MF Quick-Heater 3.0, 3,5kW
Power	3,5kW
Heat curve in display	Yes
Setpoint power	No
Setpoint temperature	Yes, via touchscreen
Setpoint temperature curve	Yes, via touchscreen
Setpoint timer	Yes, via touchscreen
Inductor recognition	No
USB connection	Yes
Network connection	No
Heating log	Yes
Weight generator	7,85 kg

Type	Art. no.	Voltage/Amp	Certification
MF Quick-Heater 3.0, 3,5kW	33035230	230V / 13A*	CE
MF Quick-Heater 3.0, 3,5kW	33035230-UK	230V / 16A**	UKCA

See page 49 for detailed technical specifications.



Flexible inductor 180°C



Log function and export to USB stick
(USB stick not included)

Induction heaters

BETEX MF Quick-Heater 2.5 & 3.0 - 10kW



10
power kW

3.5"
display inch

**400/450/
500/600**
voltages V

BETEX MF Quick-Heater 2.5 - 10kW

- Compact design with 3.5" display
- User-friendly touchscreen operation
- Smart electronics ensure optimum operating frequency
- Adjustable power regulation
- Double temperature measurement (ΔT monitoring)
- Choice between fixed and flexible inductors

Type	MF Quick-Heater 2.5, 10kW	MF Quick-Heater 3.0, 10kW
Power	10kW	10kW
Heat curve in display	No	Yes
Setpoint power	Yes, via touchscreen	Yes, via touchscreen
Setpoint temperature	Yes, via touchscreen	Yes, via touchscreen
Setpoint temperature curve	No	Yes, via touchscreen
Setpoint timer	Yes, via touchscreen	Yes, via touchscreen
Inductor recognition	Yes	Yes
USB connection	No	Yes
Network connection	No	Yes
Heating log	No	Yes
Weight generator	46 kg	46 kg

Type	Art. no.	Voltage/Amp
MF Quick-Heater 2.5, 10kW	32510400	3 ~ 400V/16A
MF Quick-Heater 2.5, 10kW	32510450	3 ~ 450V/14A
MF Quick-Heater 2.5, 10kW	32510500	3 ~ 500V-12A
MF Quick-Heater 2.5, 10kW	32510600	3 ~ 600V-10A
MF Quick-Heater 3.0, 10kW	33010400	3 ~ 400V/16A
MF Quick-Heater 3.0, 10kW	33010450	3 ~ 450V/14A
MF Quick-Heater 3.0, 10kW	33010500	3 ~ 500V-12A
MF Quick-Heater 3.0, 10kW	33010600	3 ~ 600V-10A

See page 48 for detailed technical specifications.



10
power kW

7"
display inch

**400/450/
500/600**
voltages V

SMART inductor recognition

The desired temperature and desired power do not have to be set if an inductor with SMART identification feature is connected. In this case the generator automatically adopts the settings defined in the program (1, 2 or 3) for the corresponding inductor.

BETEX MF Quick-Heater 3.0 - 10 kW

- Compact design with 7" display
- User-friendly touchscreen operation
- Smart electronics ensure optimum operating frequency
- Adjustable power regulation
- Double temperature measurement (ΔT monitoring)
- Choice between fixed and flexible inductors
- Can heat according to preset temperature/time curve
- The heating process is displayed in a clear graph
- Log function to save and export data via a USB port

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



The MF 3.0 features a 7-inch touchscreen



Optional signal tower for
MF 2.5 and 3.0

Induction heaters

BETEX MF Quick-Heater 2.5 & 3.0 - 22kW



22
power kW

3.5"
display inch

**400/450/
500/600**
voltages V

BETEX MF Quick-Heater 2.5 - 22kW

- Compact design with 3.5" display
- User-friendly touchscreen operation
- Smart electronics ensure optimum operating frequency
- Adjustable power regulation
- Double temperature measurement (ΔT monitoring)
- Choice between fixed and flexible inductors

Type	MF Quick-Heater 2.5, 22kW	MF Quick-Heater 3.0, 22kW
Power	22kW	22kW
Heat curve in display	No	Yes
Setpoint power	Yes, via touchscreen	Yes, via touchscreen
Setpoint temperature	Yes, via touchscreen	Yes, via touchscreen
Setpoint temperature curve	No	Yes, via touchscreen
Setpoint timer	Yes, via touchscreen	Yes, via touchscreen
Inductor recognition	Yes	Yes
USB connection	No	Yes
Network connection	No	Yes
Heating log	No	Yes
Weight generator	46 kg	46 kg

Type	Art. no.	Voltage/Amp/Power
MF Quick-Heater 2.5, 22kW	32522400	3 ~ 400V-32A
MF Quick-Heater 2.5, 22kW	32522450	3 ~ 450V-30A
MF Quick-Heater 2.5, 22kW	32522500	3 ~ 500V-28A
MF Quick-Heater 2.5, 22kW	32522600	3 ~ 600V-23A
MF Quick-Heater 3.0, 22kW	33022400	3 ~ 400V-32A
MF Quick-Heater 3.0, 22kW	33022450	3 ~ 450V-30A
MF Quick-Heater 3.0, 22kW	33022500	3 ~ 500V-28A
MF Quick-Heater 3.0, 22kW	33022600	3 ~ 600V-23A

See page 48 for detailed technical specifications.



22
power kW

7"
display inch

**400/450/
500/600**
voltages V

SMART inductor recognition

The desired temperature and desired power do not have to be set if an inductor with SMART identification feature is connected. In this case the generator automatically adopts the settings defined in the program (1, 2 or 3) for the corresponding inductor.

BETEX MF Quick-Heater 3.0 - 22kW

- Compact design with 7" display
- User-friendly touchscreen operation
- Smart electronics ensure optimum operating frequency
- Adjustable power regulation
- Double temperature measurement (ΔT monitoring)
- Choice between fixed and flexible inductors
- Can heat according to preset temperature/time curve
- The heating process is displayed in a clear graph
- Log function to save and export data via a USB port

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



The MF 3.0 features a 7-inch touchscreen



Optional signal tower for MF 2.5 and 3.0

Induction heaters

BETEX MF Quick-Heater 2.5 & 3.0 - 44kW



44
power kW

3.5"
display inch

**400/450/
500/600**
voltages V

BETEX MF Quick-Heater 2.5 - 44kW

- Compact design with 3.5" display
- User-friendly touchscreen operation
- Smart electronics ensure optimum operating frequency
- Adjustable power regulation
- Double temperature measurement (ΔT monitoring)
- Choice between fixed and flexible inductors

Type	MF Quick-Heater 2.5, 44kW	MF Quick-Heater 3.0, 44kW
Power	44kW	44kW
Heat curve in display	No	Yes
Setpoint power	Yes, via touchscreen	Yes, via touchscreen
Setpoint temperature	Yes, via touchscreen	Yes, via touchscreen
Setpoint temperature curve	No	Yes, via touchscreen
Setpoint timer	Yes, via touchscreen	Yes, via touchscreen
Inductor recognition	Yes	Yes
USB connection	No	Yes
Network connection	No	Yes
Heating log	No	Yes
Weight generator	78 kg	78 kg

Type	Art. no.	Voltage/Amp
MF Quick-Heater 2.5, 44kW	32544400	3 ~ 400V-63A
MF Quick-Heater 2.5, 44kW	32544450	3 ~ 450V-59A
MF Quick-Heater 2.5, 44kW	32544500	3 ~ 500V-55A
MF Quick-Heater 2.5, 44kW	32544600	3 ~ 600V-45A
MF Quick-Heater 3.0, 44kW	33044400	3 ~ 400V-63A
MF Quick-Heater 3.0, 44kW	33044450	3 ~ 450V-59A
MF Quick-Heater 3.0, 44kW	33044500	3 ~ 500V-55A
MF Quick-Heater 3.0, 44kW	33044600	3 ~ 600V-45A

See page 48 for detailed technical specifications.



44
power kW

7"
display inch

**400/450/
500/600**
voltages V

SMART inductor recognition

The desired temperature and desired power do not have to be set if an inductor with SMART identification feature is connected. In this case the generator automatically adopts the settings defined in the program (1, 2 or 3) for the corresponding inductor.

BETEX MF Quick-Heater 3.0 - 44 kW

- Compact design with 7" display
- User-friendly touchscreen operation
- Smart electronics ensure optimum operating frequency
- Adjustable power regulation
- Double temperature measurement (ΔT monitoring)
- Choice between fixed and flexible inductors
- Can heat according to preset temperature/time curve
- The heating process is displayed in a clear graph
- Log function to save and export data via a USB port

ΔT

For more control and stress-free mounting

Thanks to the Delta-T ΔT monitoring, it is possible to measure the internal and external temperature of a workpiece with 2 temperature probes. Thus the maximum preset temperature difference between 2 points can never be exceeded. This achieves even and uniform heating and prevents material stress.



The MF 3.0 features a 7-inch touchscreen



Optional signal tower for
MF 2.5 and 3.0

Induction heaters

Fixed inductors

This type is mainly used for workpieces of the same design that occur frequently and need to be heated. It is also frequently used for relatively small workpieces where a flexible inductor is not sufficient. The versions can vary from an inductor that heats the workpiece from inside a bore to a variant that heats the workpiece from the outside.

Fixed inductors are custom-made and basically suitable for 1 type of workpiece. If the dimensions of several workpieces are very similar, it is sometimes possible to use 1 inductor for several workpieces. Fixed inductors are generally equipped with inductor recognition and overheating protection.

Standard-sized fixed inductors

For specific applications in the rail industry, we have standard fixed inductors in our range. These fit the job perfectly and can be used in repetitive production.

SMART inductor recognition

The desired temperature and desired power do not have to be set if an inductor with SMART identification feature is connected. In this case the generator automatically adopts the settings defined in the program (1, 2 or 3) for the corresponding inductor.



Fixed inductor



Labyrinth inductors



Sandwich table inductor



Pin inductor



Fixed inductor



Table inductor



Connection set



Heating bearing rings for dismantling



Heating labyrinth rings for dismantling

Standard railway inductor type	Art. no.	Boring Ø mm	Width mm	Max. power kW	Max. temperature
Fixed inductor labyrinth	350200900	202	90	22	180 °C / 356 °F
Fixed inductor innering	350200902	171	150	22	150 °C / 302 °F
Fixed inductor labyrinth	350200903	177	90	22	180 °C / 356 °F

Other sizes can be ordered custom-made.

Induction heaters

Flexible inductors

Flexible inductors can be placed in or around a workpiece. Therefore, they are ideal for a large variety of parts. From large inner rings to very large components such as gear wheels and housings.

- Different cable lengths, temperature and power ratings are available. Thanks to their flexibility, a wide range of applications is possible.
- Flexible inductors are used to wrap a number of windings around, inside (bore) or on a workpiece (as a flat coil on a surface).
- Flexible inductors are meant to be used with BETEX medium-frequency generators. Make sure the capacity of the inductor corresponds with the capacity of the generator.

Caged flexible inductors

In this case, a flexible inductor is wrapped in a cage. This provides a lightweight construction that allows serial heating of a repetitive size. Often this solution is a lighter alternative to a comparable fixed inductor.



Flexible inductor
180°C



Flexible inductor
300°C



Caged flexible inductor



Connection set



Magnetic holder

Optional: magnetic holders to secure the flexible inductors.



Heating a bore for bearing or shaft mounting



Heating a coupling for dismounting

Type	Length m	Max. temperature	Diameter cable Ø mm	Min. winding diameter mm
3.5 kW	5, 7.5, 10	180 °C / 356 °F	12	approx. 90
10 kW*	15, 20, 25, 30	180 °C / 356 °F	12	approx. 75
10 kW	15, 20, 25, 30, 35	180 °C / 356 °F	15	approx. 100
10 kW	15, 20, 25, 30	300 °C / 572 °F	20	approx. 120
22 kW*	15, 20, 25, 30	180 °C / 356 °F	12	approx. 75
22 kW	15, 20, 25, 30, 35	180 °C / 356 °F	15	approx. 100
22 kW	15, 20, 25, 30	300 °C / 572 °F	20	approx. 120
44 kW	15, 20, 25, 30, 35	180 °C / 356 °F	19	approx. 140
44 kW	15, 20, 25, 30	300 °C / 572 °F	28	approx. 220

*Short duration use

Technical specifications

Medium frequency 2.5



Type	MF Quick-Heater 2.5 10kW	MF Quick-Heater 2.5 22kW	MF Quick-Heater 2.5 44kW
Forced air cooling	Yes	Yes	Yes
Power	10kW	22kW	44kW
Frequency range	10-25 kHz	10-25 kHz	10-25 kHz
Voltage/Amperage	3 ~ 400V/16A 3 ~ 450V/14A 3 ~ 500V/12A 3 ~ 600V/10A	3 ~ 400V/32A 3 ~ 450V/30A 3 ~ 500V/28A 3 ~ 600V/23A	3 ~ 400V/63A 3 ~ 450V/59A 3 ~ 500V/55A 3 ~ 600V/45A
Frequency	50/60Hz	50/60Hz	50/60Hz
Temperature measurement	For type K thermocouple	For type K thermocouple	For type K thermocouple
Max. temperature °C / °F	300 °C / 572 °F	300 °C / 572 °F	300 °C / 572 °F
Accuracy	± 3.5°C / ± 6.3 °F	± 3.5°C / ± 6.3 °F	± 3.5°C / ± 6.3 °F
Inductor recognition	Yes	Yes	Yes
Temperature sensor (2 pieces)	Yes, for max 300°C / 572 °F	Yes, for max 300°C / 572 °F	Yes, for max 300°C / 572 °F
Extra thermocouple input	Yes	Yes	Yes
Dimensions of generator LxWxH	600x300x600 mm / 23.6x11.8x23.6 inch	600x300x600 mm / 23.6x11.8x23.6 inch	600x650x580 mm / 23.6x25.6x22.8 inch
Weight of generator	46 kg	46 kg	78 kg
Operation			
Dimensions display	3.5"	3.5"	3.5"
Heat curve in display	No	No	No
Delta T (ΔT)	Yes	Yes	Yes
Setpoint power	Via touchscreen	Via touchscreen	Via touchscreen
Setpoint temperature	Via touchscreen	Via touchscreen	Via touchscreen
Setpoint temperature curve	No	No	No
Setpoint timer	Via touchscreen	Via touchscreen	Via touchscreen
Selection operating mode	Via touchscreen	Via touchscreen	Via touchscreen
Digital readings temperature	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen
Digital readings time	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen
Digital readings power	Actual value on touchscreen	Actual value on touchscreen	Actual value on touchscreen
Digital readings frequency	Actual value on touchscreen	Actual value on touchscreen	Actual value on touchscreen
USB connection	No	No	No
Network connection	No	No	No
Heating log	No	No	No
Signaling by			
Installation in operational state	Green flash light	Green flash light	Green flash light
Error message	Red continuous light / acoustic signal	Red continuous light / acoustic signal	Red continuous light / acoustic signal
End of heating cycle	Green continuous light / acoustic signal	Green continuous light / acoustic signal	Green continuous light / acoustic signal
Signal tower	Optional	Optional	Optional

We reserve the right to alter technical specifications without prior notice.

Technical specifications

Medium frequency 3.0



Type	MF Quick-Heater 3.0 3.5kW	MF Quick-Heater 3.0 10kW	MF Quick-Heater 3.0 22kW	MF Quick-Heater 3.0 44kW
Forced air cooling	Yes	Yes	Yes	Yes
Power	3,0kW* / 3,5kW**	10kW	22kW	44kW
Frequency range	10-50kHz	10-25 kHz	10-25 kHz	10-25 kHz
Voltage/Amperage	230V / 13A* 230V / 16A**	3 ~ 400V / 16A 3 ~ 450V / 14A 3 ~ 500V / 12A 3 ~ 600V / 10A	3 ~ 400V / 32A 3 ~ 450V / 30A 3 ~ 500V / 28A 3 ~ 600V / 23A	3 ~ 400V / 63A 3 ~ 450V / 59A 3 ~ 500V / 55A 3 ~ 600V / 45A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Temperature measurement	For type K thermo element	For type K thermocouple	For type K thermocouple	For type K thermocouple
Max. temperature °C / °F	240 °C / 464 °F	300 °C / 572 °F	300 °C / 572 °F	300 °C / 572 °F
Accuracy	± 3.5°C / ± 6.3 °F	± 3.5°C / ± 6.3 °F	± 3.5°C / ± 6.3 °F	± 3.5°C / ± 6.3 °F
Inductor recognition	No	Yes	Yes	Yes
Temperature sensor (2 pieces)	Yes, for max 300°C / 572 °F	Yes, for max 300°C / 572 °F	Yes, for max 300°C / 572 °F	Yes, for max 300°C / 572 °F
Extra thermocouple input	Yes	Yes	Yes	Yes
Dimensions of generator LxWxH	320 x 350 x 150 mm / 12.6x13.8x5.9 inch	600x300x600 mm / 23.6x11.8x23.6 inch	600x300x600 mm / 23.6x11.8x23.6 inch	600x650x580 mm / 23.6x25.6x22.8 inch
Weight of generator	7,85 kg	46 kg	46 kg	78 kg
Operation				
Dimensions display	4,3"	7"	7"	7"
Heat curve in display	Yes	Yes	Yes	Yes
Delta T (ΔT)	Yes	Yes	Yes	Yes
Setpoint power	No	Via touchscreen	Via touchscreen	Via touchscreen
Setpoint temperature	Via touchscreen	Via touchscreen	Via touchscreen	Via touchscreen
Setpoint temperature curve	Via touchscreen	Via touchscreen	Via touchscreen	Via touchscreen
Setpoint timer	Via touchscreen	Via touchscreen	Via touchscreen	Via touchscreen
Selection operating mode	Via touchscreen	Via touchscreen	Via touchscreen	Via touchscreen
Digital readings temperature	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen
Digital readings time	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen	Setpoint and actual value on touchscreen
Digital readings power	No	Actual value on touchscreen	Actual value on touchscreen	Actual value on touchscreen
Digital readings frequency	No	Actual value on touchscreen	Actual value on touchscreen	Actual value on touchscreen
USB connection	Yes	Yes	Yes	Yes
Network connection	No	Yes	Yes	Yes
Heating log	Yes	Yes	Yes	Yes
Signaling by				
Installation in operational state	LED on front	Via touchscreen	Via touchscreen	Via touchscreen
Error message	Acoustic signal	Acoustic signal	Acoustic signal	Acoustic signal
End of heating cycle	Acoustic signal	Acoustic signal	Acoustic signal	Acoustic signal
Signal tower	-	Optional	Optional	Optional

*UKCA model specifications.

** CE model specifications.

Fitting tool sets

BETEX Impact 33 & 39

Fast and accurate bearing mounting

The use of an Impact fitting tool set is of absolute importance for the safe, precise and fast mounting of bearings.

Specially for bearings it is important that during mechanical mounting the bearing is supported on its inner and outer ring in order to avoid unnecessary damage and premature failure.

When an Impact fitting tool set is used, mounting forces are not transmitted via balls or rollers of the bearings and hence the raceways are not damaged.

By using impact-resistant plastic collets (made of unbreakable sheet material, instead of easily breaking injection moulded collets), metal to metal contact is avoided, and therefore damage to the shaft.



IMPACT 33

- With 3 sleeves
- With 33 rings, suitable for ± 375 different types of bearings.



Also for other machine components

The sets can be used for bore diameters from 10 to 60 mm or parts thereof. Mounting of other machine components such as bushings, sealing rings, gear wheels and pulleys can also be carried out safely, precisely and quickly using an Impact fitting tool set.

Your benefits:

- ✓ Safe, precise and quick mounting
- ✓ No more damage to shafts, bearing housings and bearing sealing rings
- ✓ Extended service life of bearings
- ✓ The impact-resistant plastic collets are made of unbreakable sheet material
- ✓ **The numbers of the collets are clearly engraved and coloured, so mistakes are impossible.**



Use in combination with
BETEX Induction heaters.



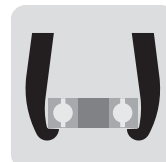
IMPACT 39

- With 4 sleeves
- With 39 rings, suitable for ± 600 different types of bearings.

Type	Impact 33	Impact 39
Art. no.	399900-2	399900-4
Collet bore mm	10-50	10-60
Outer diameter	26-110	26-130
Sleeve bore mm	18, 32, 52	18, 32, 52, 62
Dead blow hammer	0.7 kg, absorbs shocks and vibrations	
Weight kg	4.8	6.5

Mechanical pullers

BETEX MSP 2/3-arm pullers, self-centering



250

Max. shaft length mm

440

Max. spread mm

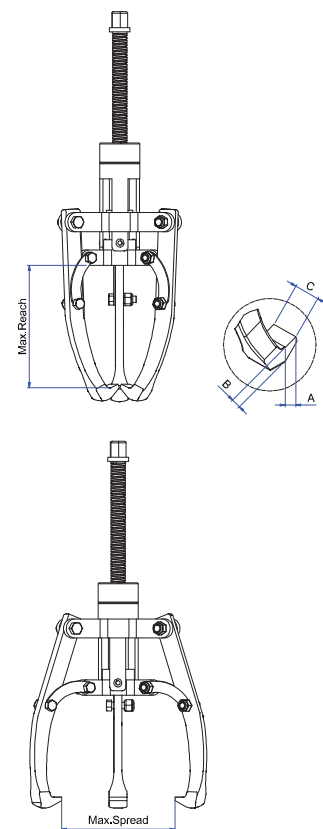


Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

BETEX MSP

Safe and easy dismounting of bearings, couplings, rings, etc.

- Ergonomic design, easy to operate by one person.
- Practical!
Self-centering 2-arm or 3-arm puller, including locking. Easy to convert, can be used in any position.
- Safe!
The arms slide inwards or outwards simultaneously. Bending or deflecting is impossible.
- Economical!
2-arm or 3-arm puller combination, 2 pullers for the price of one.
- Strong!
The harder the pulling force, the tighter the jaws grip around the workpiece.



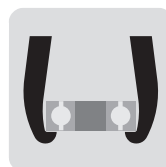
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type	Art. no.	Cap. tons	Max. shaft length mm	Max. spread mm	Wrench size mm	Max. Torque Nm	A mm	B mm	C mm	Weight kg
MSP 2/3-120	798250	2	80	120	19	23	8	6	15	1.6
MSP 2/3-180	798300	3	120	180	19	34	6	7	15	2.3
MSP 2/3-270	798350	5	160	270	23	79	11	10	25	4.3
MSP 2/3-300	798400	8	210	300	23	139	13	14	27	6.1
MSP 2/3-380	798450	10	250	380	29	206	14	10	29	9.6
MSP 2/3-440	798500	12	250	440	29	243	14	10	29	11.2

Mechanical pullers

BETEX MP10/11 universal 2-arm pullers


900

Max. shaft length mm

980

Max. spread mm



Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

BETEX MP10/11

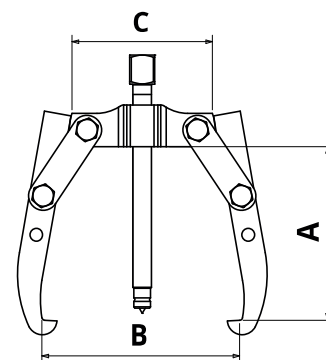
Simple, handy 2-arm puller for external grip. Suitable for dismantling pulleys, bearings, rings and fans of electric motors. During dismantling, the arms cannot slip because they are pressed against the puller bridge. The greater the pressing force, the tighter the arms grip on the workpiece!

These pullers are also available with extended arms for even greater capacity.

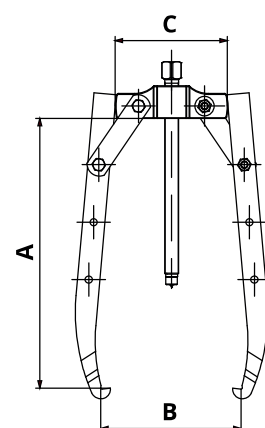
- External puller
- 2-arms
- Available as MP10 in 9 standard sizes
- Available as MP11 in 9 sizes with extended arms



Type / Art. no.	Max. shaft length A mm	Max. spread B mm	C mm	Weight kg
MP10070	55	70	37	0,2
MP10100	85	100	70	0,4
MP10150	135	150	80	1,2
MP10200	180	200	113	2,3
MP10250	180	250	160	2,7
MP10310	300	310	161	5,5
MP10425	370	425	280	11,5
MP10520	460	520	325	25,5
MP10800	750	800	402	49
MP11090	70	90	37	0,2
MP11110	105	110	70	0,5
MP11175	185	175	80	1,4
MP11240	225	240	113	2,5
MP11290	225	290	160	2,9
MP11350	400	350	161	6
MP11480	480	480	280	13
MP11650	590	650	325	30
MP11980	900	980	402	55,5



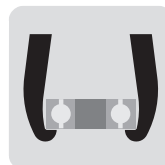
MP10 series



MP11 series

Mechanical pullers

BETEX MP15/16 universal 2/3-arm pullers


900

Max. shaft length mm

980

Max. spread mm

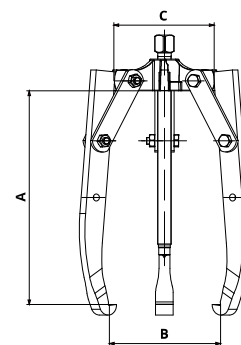


Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

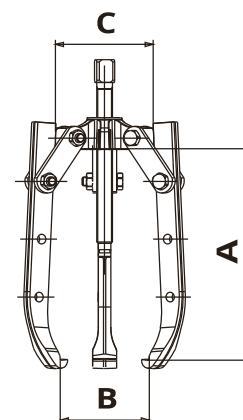
BETEX MP15/16

Simple, handy 2/3-arm puller for parts gripped externally like pulleys, bearings, rings, etc. Suitable for removing fans from electric motors. During operation, the arms cannot slip because they are pressed against the cross bar. The harder the pulling force, the tighter the jaws grip around the workpiece. These pullers are also available with extended arms for even larger capacity.

- External puller
- 2- or 3-arms
- Available in 9 standard sizes
- Available in 9 sizes with extended arms



MP15 series

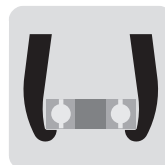


MP16 series

Type / Art. no.	Max. shaft length A mm	Max. spread B mm	C mm	Weight kg
MP15070	55	70	37	0,3
MP15100	85	100	80	0,7
MP15150	135	150	104	1,8
MP15200	180	200	108	3,3
MP15250	180	250	160	3,7
MP15310	300	310	161	7,5
MP15425	370	425	280	17
MP15520	460	520	325	33,5
MP15800	750	800	402	65
MP16090	70	90	37	0,3
MP16110	105	110	80	0,7
MP16175	185	175	104	2,1
MP16240	225	240	108	3,5
MP16290	225	290	160	3,9
MP16350	400	350	161	8,5
MP16480	480	480	280	18,5
MP16650	590	650	325	39
MP16980	900	980	402	75

Mechanical pullers

BETEX MP20 mechanical 2-arm pullers


390

Max. shaft length mm


600

Max. spread mm



Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

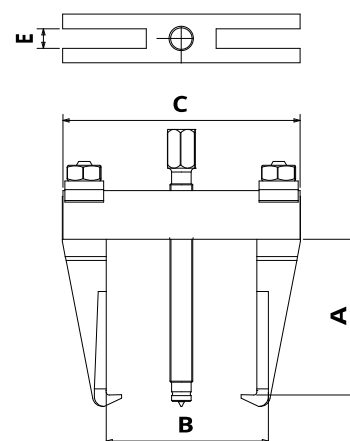


BETEX MP20

This 2-arm puller is extremely well-suited to applications involving the extraction of bearings, rings, sprockets, couplings etc. The jaws are forged and therefore extra strong. Reversal of the arms makes internal dismantling also possible. The self-locking system guarantees that the arms will not deflect.

- External and internal puller
- 2-arms, reversible
- Self-locking
- Also available as set MP20000 with a display including 5 sizes: MP20080, MP20115L, MP20155, MP20195, MP20250

Type / Art. no.	Max. shaft length A mm	Spread B mm		C mm	E mm	Weight kg
		Min.	Max.			
MP20060	50	12	60	72	6,1	0,3
MP20080	80	25	80	122	10,1	1
MP20080L	135	20	80	122	10,1	1,2
MP20115	80	25	115	156	10,1	1,1
MP20115L	135	25	115	156	10,1	1,3
MP20155	160	25	155	210	14,1	2,4
MP20145L	220	25	145	210	14,1	4
MP20195	220	60	195	260	14,1	4,4
MP20250	260	80	250	345	20,5	10,5
MP20390	260	125	390	475	20,5	13
MP20245	390	80	245	345	20,5	13,5
MP20375	390	125	375	475	20,5	15,8
MP20600	260	215	600	675	20,5	20
MP20600L	390	215	600	675	20,5	23
MP20000 set	80 - 260	25 - 80	80 - 250	122 - 345	10,1 - 20,5	22,7



Mechanical pullers

BETEX MP25 universal 2-arm bearing puller



110

Max. shaft length mm

245

Max. spread mm

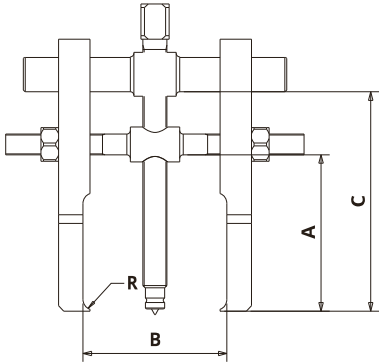
!

Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

BETEX MP25

These bearing pullers are particularly suitable for extracting bearings, bearing rings, gears, discs etc. for tight or difficult to reach areas. First lateral force is applied to grip the part with the sharp jaws. These grip on the radius of the outer ring. Due to the special construction, the arms cannot move during use. You prevent damage and save time.

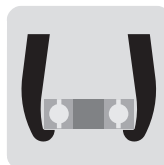
- External puller
- 2-arms
- For tight spaces behind bearings
- Special jaw construction for extra strong grip



Type / Art. no.	Max. shaft length A mm	Spread B mm		C mm	R mm	Weight kg
		Min.	Max.			
MP25120	89	34	120	125	6	1,7
MP25245	110	59	245	155	6	4,8

Mechanical pullers

BETEX MP26 2-arm pullers, cross arms with tapered claws



160

Max. shaft length mm

125

Max. spread mm



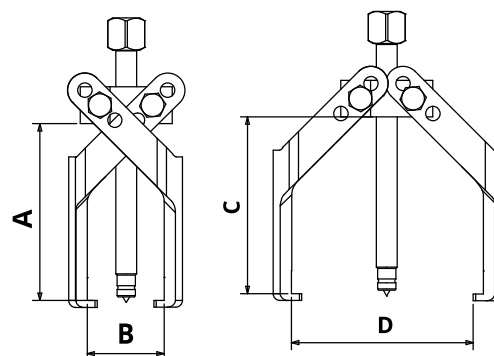
Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.



BETEX MP26

This puller is particularly suitable for extracting bearings, pinions, pulleys etc. for tight or difficult to reach areas.

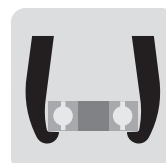
- External puller
- 2-arms
- For a wider spread and depth, puller arms can be assembled in variable positions
- Easy to handle, cross arm puller



Type / Art. no.	Min. shaft length A mm	Min. spread B mm	Max. shaft length C mm	Max. spread D mm	Weight kg
MP26095	90	55	90	95	0,3
MP26125	125	80	160	125	1

Mechanical pullers

BETEX MP30 mechanical 2/3-arm pullers, self-centering


640

Max. shaft length mm

720

Max. spread mm



Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

BETEX MP30

The 2/3 arms of these pullers adjust themselves simultaneously and symmetrically, inwards, or outwards. Work efficient with perfect positioning of the arms. The arms cannot bend or deflect. The higher the pulling force, the tighter the grip of the arms.

These pullers are also available with extended arms for even larger capacity.

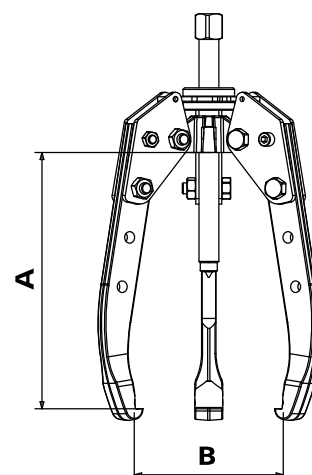
- External puller
- 2- or 3-arms
- Self-centering
- Available in 6 standard sizes
- Available in 3 sizes with extended arms



Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type / Art. no.	Max. shaft length A mm	Max. spread B mm	Weight kg
MP30110	105	110	0,8
MP30175	185	175	2
MP30240	225	240	6,5
MP30350	410	350	14,5
MP30480	500	480	31,5
MP30680	600	680	55,5
MP30405	490	405	16
MP30540	615	540	34,5
MP30720	640	720	61,5



Mechanical pullers

BETEX MP40 4-arm ball bearing puller



239

Max. arm length mm

10 - 60

Shaft diameter mm

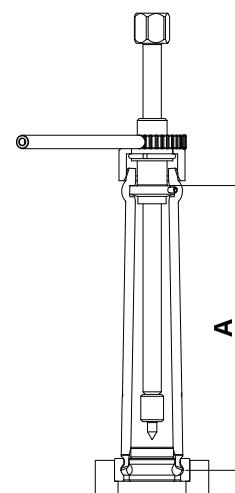


BETEX MP40

These four-arm bearing pullers have been specially developed to extract ball-bearings from casings and shafts simultaneously. For when there is no free space internally or externally. The arms grip the bearing between the inner- and outer ring. For extra grip and the desired leverage effect, a supplied ring can be used. The blue numbered bearings are dismantled without the ring.

Used for the 6000, 6200, 6300 and 6400 bearing series.

- Internal puller
- 4-arms
- Available as set MP40900 in handy case with 3 sizes: MP40100, MP40200, MP40300



Type / Art. no.	Arm no.	A mm	Bearing	Weight kg
MP40100	11	160	6000 - 6001 - 6002 - 6003 - 6200 - 16002 - 16003 - 16100 - 16101	1,3
	12	160	6004 - 6005 - 6006 - 6201 - 6202 - 6203 - 6300	1,3
	13	180	6204 - 6205 - 6301 - 6302 - 6303 - 62/22 - 63/22	1,3
MP40200	21	196	6007 - 6008 - 6009 - 6010 - 16011	1,9
	22	196	6011 - 6012 - 6206 - 6207 - 6304 - 6305 - 6306 - 62/28	4,5
MP40300	31	237	6013 - 6014 - 6015 - 6208 - 6209 - 6210 - 6307 - 6403 - 63/28	4,5
	32	239	6018 - 6019 - 6020 - 6211 - 6212 - 6308 - 6309 - 6310 - 6311 - 6404 - 6405	7,5
MP40900 set				

The green numbered bearings are removed without the ring.

Mechanical pullers

BETEX MP50 expanders, counter supports and slide hammers


5-76

Min./Max. diameter mm

89

Max. depth expander mm

BETEX MP50

This special expander system has been developed to facilitate rapid and effective dismantling under difficult conditions, e.g., in 'blind holes'. The multiple adjustable jaws (up to 6) ensure the correct grip from behind the bearing. Deflection is impossible. The counter supports are universal, which means that the arms can be twisted in any direction to find the best point of pressure.

The larger types are equipped with a conical puller adapter in the expander, which prevents friction when tightening the screw. Bearings, bushings, seal rings etc. are extracted effortlessly.

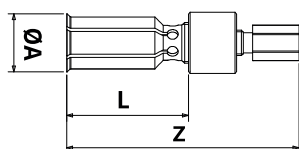
- Internal puller combination
- Combine with sliding hammer or counter support
- Expanders MP50507 and MP50811 have no housing
- Also available in 7 different sets, including sliding hammer and/or counter support

BETEX MP50350

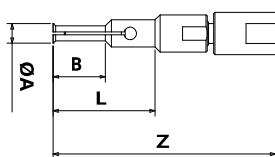
Used in combination with internal expander puller.

- Stroke of 250 mm
- Connection thread 1/2" UN20h

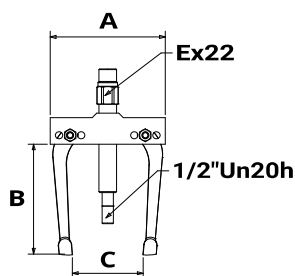
A major advantage of the slide hammer is that it can be used independently of any housing. No pressure points are required. After positioning the inner expander puller, the slide hammer is screwed on.



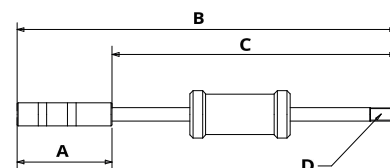
Expander MP51214 to MP56576



Expander MP50507 to MP50811



Counter support



Slide hammer

Counter support type / Art. no.	A mm	B mm	C mm	Weight kg
MP50300	130	124	135	1,6

Slide hammer type / Art. no.	A mm	B mm	C mm	D	Weight kg
MP50350	90	360	250	1/2 inch UN20h	1,4

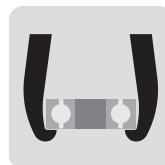
Expander type / Art. no.	A Ø mm	B mm	L mm	Z mm	Weight kg	Set 1	Set 2	Set 3	Set 4	Set 5	Set 6	Set 7
MP50507	5 to 7	8	27	82	0,1	-	-	Yes	Yes	-	Yes	Yes
MP50811	8 to 11	20	40	90	0,1	-	-	Yes	Yes	-	Yes	Yes
MP51214	12 to 14	-	64	108	0,3	Yes	-	Yes	Yes	-	Yes	Yes
MP51519	15 to 19	-	64	125	0,3	Yes	Yes	Yes	Yes	-	Yes	Yes
MP52024	20 to 24	-	65	125	0,3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MP52529	25 to 29	-	65	125	0,4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MP53037	30 to 37	-	65	125	0,4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MP53845	38 to 45	-	65	125	0,5	Yes	Yes	-	-	Yes	Yes	Yes
MP54654	46 to 54	-	88	175	1,3	-	-	-	-	Yes	-	Yes
MP55564	55 to 64	-	89	175	1,6	-	-	-	-	Yes	-	Yes
MP56576	65 to 76	-	89	175	2,0	-	-	-	-	Yes	-	Yes

Set 1: MP51245S - including slide hammer - 3.6 kg
 Set 2: MP51245T - including counter support - 3.7 kg
 Set 3: MP50537S - including slide hammer - 3.6 kg
 Set 4: MP50537T - including counter support - 3.7 kg

Set 5: MP50560 - including slide hammer and counter support - 8.0 kg
 Set 6: MP50545 - including slide hammer and counter support - 5.5 kg
 Set 7: MP50576 - including slide hammer and counter support - 8.5 kg

Mechanical pullers

BETEX MP60/65 bearing splitters and counter supports



680

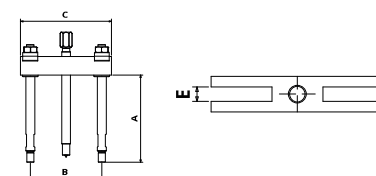
Max. shaft length mm

300

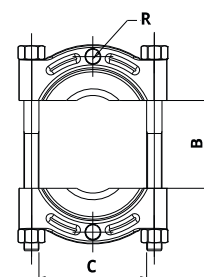
Max. spread mm



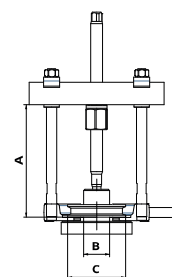
Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.



Counter support



Bearing splitter



Sets

BETEX MP60/65

BETEX MP60/MP65 is constructed for the dismounting of hard-to-reach bearings and other parts, where there is insufficient space for grip with a puller. Suitable for multiple applications.

- External puller combination
- Available in 8 splitter sizes with matching counter supports
- Available separately or as set*
- Large spindles have retractable points

*The content of a set (combination of bearing splitters and counter supports) is stated in the art.no. of the set. For example: Set MP7 110 060 comprises Slide hammer MP65 **110** and Bearing splitter MP60 **060**.

Counter support Type / Art. no.	Shaft length A mm	Spread B mm		Bridge width C mm	E mm	Weight kg
		Min.	Max.			
MP65110	115	46	110	122	10,1	1
MP65140	115	46	140	156	10,1	1
MP65195	175	62	195	210	14,1	3
MP65445	245	173	445	475	20,5	12
MP65450	480	178	450	480	27	35
MP65580	680	219	580	617	32,5	53

Bearing splitters Type / Art. no.	Spread B mm		C mm	R mm	Weight kg
	Min.	Max.			
MP60060	4	60	60	3/8"	0,8
MP60080	6	81	80	3/8"	1,3
MP60110	10	110	110	5/8"	2,8
MP60150	12	134	155	5/8"	5,7
MP60180	13	210	180	5/8"	12,5
MP60260	17	255	260	1"	28,5
MP60300	20	300	300	1-1/4"	43,5
MP60330	35	300	330	1-1/4"	86,5

Sets Type / Art. no.	A mm	B mm	C mm
MP7110060	100	55	90
MP7140080	100	80	130
MP7195110	152	108	175
MP7195150	152	77	182
MP7445180	220	180	302
MP7450260	418	250	372
MP7580300	617	300	435
MP7580330	617	300	450

Mechanical pullers

BETEX KZZ Key Puller



BETEX KZZ

For professional removal of parallel keys

With the BETEX KZZ, you can easily remove keys from shafts of motors, pumps and all kinds of other applications in drive technology. For keys up to a width of 35 mm.

Safe!

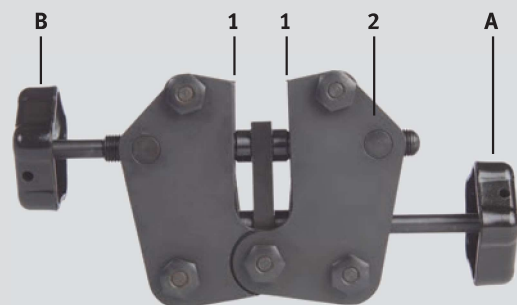
Hammer and chisel are no longer needed.

Advantages

- ✓ Safe dismounting.
- ✓ Quick dismounting.
- ✓ No damage to shafts or keys due to perpendicular dismounting.
- ✓ Shafts remain straight.
- ✓ Saves time, labour and costs.
- ✓ Jaws are made from specially tempered steel.
- ✓ Threaded screws with left and right trapezoidal thread.

Easy to use

1. Turn both jaws (1) upwards or downwards with handwheel (A) until they are in line with the housing (2).
2. Use handwheel (B) to set the size of the key to be pulled, with ± 1 mm of play.
3. Turn handwheel (B) to screw both jaws hand-tight to the key.
4. Turn handwheel (A) to pull the key upwards perpendicularly.
5. Turn the jaws downwards with handwheel (A); use handwheel (B) to unscrew the key.



Type	Art. no.	Max. spread mm	Weight in kg
KZZ	4900011	35	2.2

Mechanical pullers

BETEX MP35 hydraulic mini press, 8 ton



8

capacity ton

5

Max. stroke mm

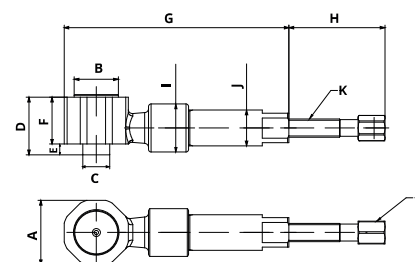


Prevent damage to shafts and spindles using the “BETEX 625/630 shaft protectors” starting on page 65.

BETEX MP35

This auxiliary tool is used to increase pressure for stuck parts. The hydraulic mini press is placed between the shaft and the spindle. It administers a 5 mm stroke; max pressing capacity is 8 tons. The impact loosens the stuck workpiece. This prevents overloading and wear on the spindles.

- Compatible with mechanical pullers
- Time-saving
- Prevents overload
- Protects spindles from bending
- Use for bearings, gears, sprockets, discs etc.



Type / Art. no.	A Ø mm	B Ø mm	C Ø mm	D mm	E mm	F mm	G mm	H mm	I Ø mm	J Ø mm	K	L	Weight kg
MP35100	45	34	20	43	8	35	168	72	36	26,7	M14	H17	1,3

Mechanical pullers

BETEX 625/630 shaft protectors



BETEX 625/630

Shaft protector sets for shaft centers and hollow shafts

These shaft protectors are indispensable between shaft and bearing puller, when dismounting bearings, couplings, etc. There are 2 types, BETEX 625 for shaft protection and BETEX 630 for hollow shafts.

By using these pressure pieces you prevent:

- Damage to the center hole and screw
- Puller overload due to tilting

BETEX 625 consists of 6 pieces:

'D' min. = Ø 16 mm 'H' min. = Ø 16 mm
 'D' max. = Ø 38 mm 'H' max. = Ø 19 mm

Art. no.: 500625

BETEX 630 'S' consists of 11 pieces

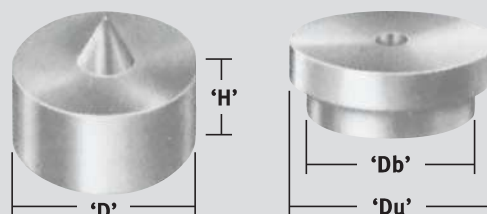
'Db' min. = Ø 19 mm 'Du' min. = Ø 25 mm
 'Db' max. = Ø 51 mm 'Du' max. = Ø 64 mm

Art. no.: 500630

BETEX 630 'T' consists of 6 pieces

'Db' min. = Ø 54 mm 'Du' min. = Ø 67 mm
 'Db' max. = Ø 76 mm 'Du' max. = Ø 89 mm

Art. no.: 500631



Hydraulic pullers

BETEX HP & HSP 2/3-arm pullers, with integrated pump and cylinder

Compact pullers for dismounting components such as bearings, bushings, wheels, couplings and pulleys

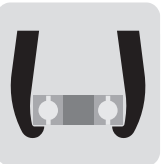
- The self-contained hydraulic pump saves space, as you don't need a separate pump, hose or cylinder.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- 2-arm or 3-arm puller combination, easy to convert.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- The lightweight telescopic handle can be rotated 360°.
- Can be used in any position.
- Includes safety net/blanket, adapter(s) and shaft protector.
- In useful carrying case.
- HSP pullers are self-centering.

415

Max. shaft length mm

620

Max. spread mm



Use in combination with "BETEX Bearing Splitter" starting on page 72.



Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.



Lightweight telescopic handle



HSP is self-centering



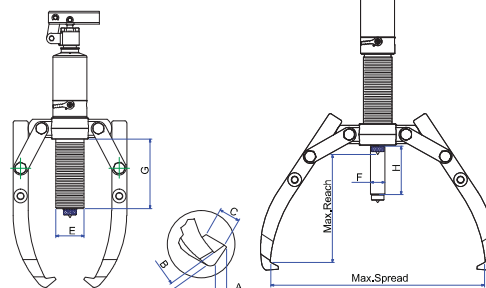
PE carrying case



2-arm or 3-arm puller



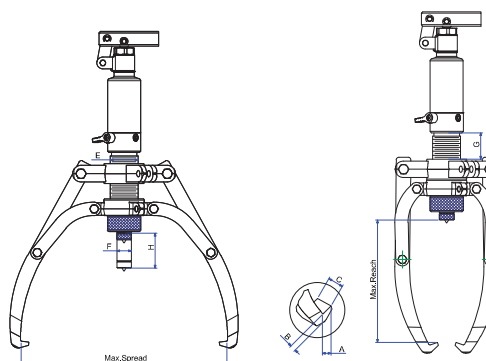
Can be rotated 360°



BETEX HP 2/3-arm Hydraulic pullers

Type	Art. no.	Cap. tons	Max. shaft length mm	Spread mm		Stroke H mm	A mm	B mm	C mm	E mm	F mm	G mm	Weight kg
				Min.	Max.								
HP 43*	791000	4	185	-	255	60	11	6	22	42	22	84	8,3
HP 63*	792000	6	220	-	330	70	13	10	22	45	23	94	8,5
HP 83*	793000	8	230	-	350	85	11	10	25	50	25	122	12,0
HP 123*	794000	12	270	-	375	85	14	10	29	60	28	118	17,2
HP 203**	796000	20	360	-	520	111	20	27	33	80	40	160	38,2
HP 303**	797000	30	360	-	550	111	20	27	38	98	50	155	50,6

* incl. safety net ** incl. safety blanket



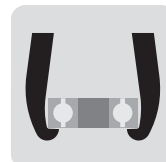
BETEX HSP 2/3-arm hydraulic self-centering pullers

Type	Art. no.	Cap. tons	Max. shaft length mm	Spread mm		Stroke H mm	A mm	B mm	C mm	E mm	F mm	G mm	Weight kg
				Min.	Max.								
HSP 43*	791500	4	190	83	315	60	13	10	22	42	22	40	9,3
HSP 63*	792500	6	230	90	390	70	13	10	22	45	23	50	9,8
HSP 83*	793500	8	280	110	460	85	13	13	27.5	50	25	70	15,3
HSP 123*	794500	12	300	120	515	85	15	16.5	29	60	28	70	18,4
HSP 203**	796500	20	325	160	520	111	18	20	33	80	40	62	46,0
HSP 303**	797500	30	415	190	620	111	18	20	38	98	50	85	61,8

* incl. safety net ** incl. safety blanket

Hydraulic pullers

BETEX HXP 2/3-arm pullers, self-centering



455

Max. shaft length mm

860

Max. spread mm



Use in combination with “BETEX Bearing Splitter” starting on page 72 and “BETEX Pump sets 700 bar” starting on page 122.

BETEX HXP

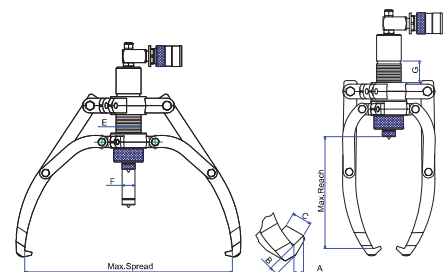
Safe and user-friendly dismantling of bearings, couplings, rings, etc.

- Separate 2-stage handpump available.
- Self-centering 2-arm or 3-arm puller, easy to convert.
- The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- HXP503 is also available with mobile crane (HXPC 50T).
- Accessory sets available for the 8- and 12-ton versions.
- In useful carrying case.
- Includes adapter and shaft protector.



Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.



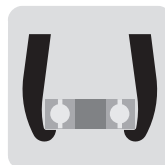
Type	Art. no.	Cap. tons	Oil cap. cm ³	Max. shaft length mm	Spread mm		Stroke H mm	A mm	B mm	C mm	E mm	F mm	G mm	Weight kg
					Min.	Max.								
HXP 83*	793600	8	100	280	110	460	85	13	10	22	50	25	70	14,0
HXP 123*	794600	12	135	300	120	515	85	13	13	27.5	60	28	70	17,0
HXP 203**	796600	20	315	325	160	520	111	15	16.5	29	80	40	62	36,7
HXP 303**	797600	30	490	415	190	620	111	20	27	33	98	50	85	56,5
HXP 503**	799600	50	1116	455	160	860	159	23	35	60	40	-	127	140,0

* incl. safety net

** incl. safety blanket

Hydraulic pullers

BETEX Tri-section Puller set



284
Max. shaft length mm

340
Max. spread mm

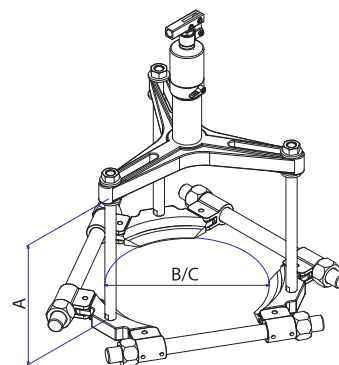


BETEX Tri-section puller set

- The complete hydraulic tri-section puller set is for safe and easy disassembly.
- The narrow plate edges enable the dismounting of hard-to-grip components.
- The Tri-section Plate is mounted behind the inner and outer bearing ring and prevents the pulling force from being transmitted through the moving parts, so the bearing is not damaged.
- Most parts are forged SCM440 alloy steel, creating a very safe and durable product.

This complete puller set is available in 4 capacities and consists of:

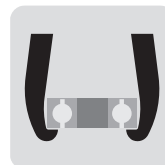
- Integrated pump and cylinder
- 360° adjustable handle
- Tri-section Plate
- Puller block
- Connection rods
- Steel storage case



Type	Art. no.	Cap. tons	Max. shaft length A mm	Min. spread B mm	Max. spread C mm	Weight in kg
Tri-section set 4t	792160	4	211	30	160	19
Tri-section set 6t	792210	6	243	50	210	29
Tri-section set 8t	792340	8	243	50	270	32
Tri-section set 12t	792495	12	284	90	340	65

Hydraulic pullers

BETEX HPP, 3-in-1 Push Puller, self-centering



Use in combination with “BETEX Bearing Splitter” starting on page 72.

BETEX HPP

With its 3-in-1 design, the BETEX HPP hydraulic puller is a tool for mounting and dismounting, including internal dismounting of bearings, wheels and rings.

- The BETEX HPP is suitable for both dismounting and mounting bearings. Mounting is possible by using the supplied screw adapter (bolt size M12-P1.75). It can easily be screwed into the shaft, causing the arms of the HPP puller to exert a pushing force against the inner ring of the bearing.
- The BETEX HPP has a puller specifically designed to dismount bearings via the inner ring. This makes it possible to dismount bearings that cannot be dismounted externally. In this case, the arms of the outer puller push against the workpiece.



Pulling externally



Mounting



Pulling internally



Practical example

User-friendly

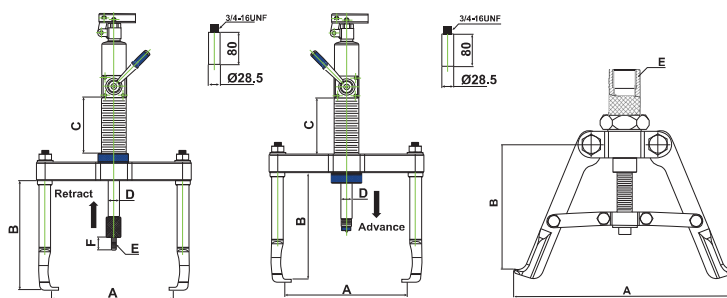
- The special 3-in-1 design gives you one puller to easily fit or remove bearings, wheels and rings.
- The 3-arm design ensures an even and constant force when mounting and dismounting.
- Use the supplied extensions for longer shaft lengths.
- The arms of the self-centring inner puller shift inwards or outwards simultaneously, preventing slipping or deflecting.
- The BETEX HPP is equipped with an integrated pump and cylinder.

Safe

- The integrated safety relief valve guarantees user safety, and prevents damaging and overloading the BETEX HPP and workpiece. It also prevents the maximum pressure from being exceeded.
- Most parts are made of alloy steel, making the BETEX HPP a durable and safe product.

Cost savings

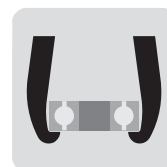
- The 3-in-1 design reduces preparation time, (dis)mounting time and working time.
- The BETEX HPP is ideal for mounting and dismounting a wide variety of parts such as rings, wheels, bearings, couplings and pulleys.



Type	Art. no.	Operations	Output tons	A mm	B mm	C mm	D mm	E	F mm	Weight kg
HPP 123	794200	Mounting	8	44-280	270	140	28	M12-P1.75	34	36
		Outer pulling	12	85-300	260	140	28	-	-	
		Inner pulling	8	90-245	130-150	-	-	1"-12UNF	-	

Accessory sets

BETEX Bearing Splitter



BETEX Bearing Splitter

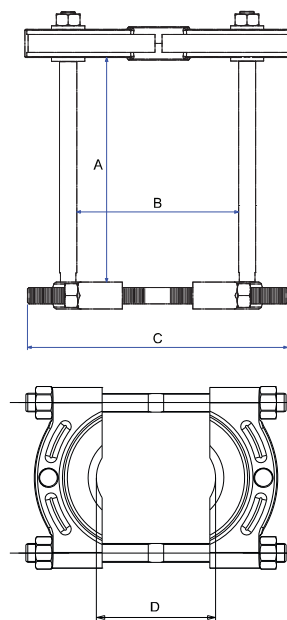
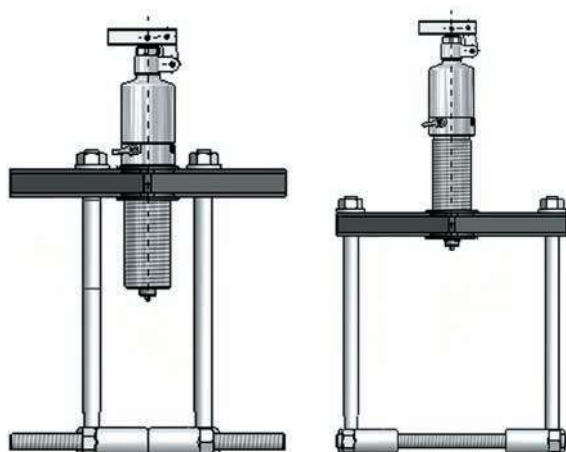
Accessory sets for 4, 6, 8, 12 ton pullers HP, HSP, HXP, HPP.

This accessory set comprises:

- 1 Puller block
- 2 Sets of connection rods
- 2 Plates for min./max. Ø 12-225 mm

Use the pump/cylinder unit of the HP/HSP/HXP puller.

For the dismantling of hard-to-reach bearings and other parts, where there is insufficient space for grip with a puller. Suitable for multiple applications.



Type	Art. no.	Cap. tons	Shaft lenght A mm	B mm		C mm	Spread Ø D mm		Weight kg
				Min.	Max.		Min.	Max.	
Acc. set HP 43 HSP 43	791100	4	224	100	145	163	12	70	6.5
Acc. set HP 63 HSP 63	792100	6	255	115	220	260	28	150	10.5
Acc. set HP 83 HSP 83 HXP 83	793100	8	255	110	230	260	28	150	10,5
Acc. set HP 123 HSP 123 HXP 123 HPP 123	794100	12	298	140	310	360	20	200	11,5

Accessory sets

BETEX Tri-Section Plates



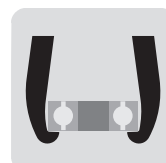
Use in combination with:

Tri-Section 160: HP/HSP 43, 63

Tri-Section 210: HP/HSP 63, 83

Tri-Section 340: HP/HSP/HXP 83, 123, 203, HPP 123

Tri-Section 495: HP/HSP/HXP 203, 303



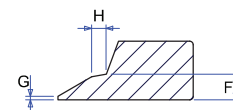
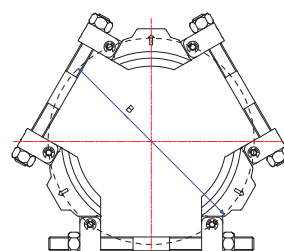
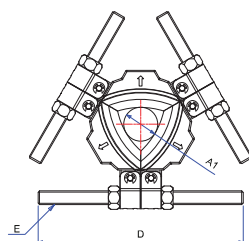
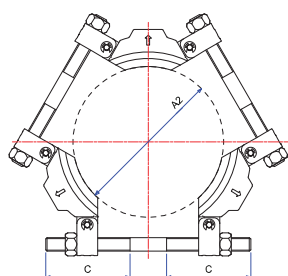
BETEX Tri-Section Plate

The Tri-Section Plate is specially designed for 3-arm (hydraulic) pullers.

The unique and patented design creates maximum spread and applies even force. The Tri-Section Plate can be mounted behind the inner and outer bearing ring. This prevents the pulling force from being transmitted through the moving parts, so the bearing is not damaged.

User friendly

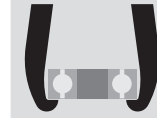
- The unique design with hinge mechanism ensures maximum spread.
- Thanks to the Tri-Section Plate, the force is distributed evenly, so the bearing cannot bend or deform.
- Suitable for all 3-arm pullers.
- Available in a wide range, covering the most common shaft sizes.
- The Tri-section Plate consists of 4 different models suitable for shaft-mounted bearings from 26 to 495 mm.



Type	Art. no.	Cap. tons	Spread mm		B mm	C mm	D mm	E	F mm	G mm	H mm	Weight kg
			Min. A1	Max. A2								
Tri-section 160	791160	6	26	160	216	105	240	5/8"-11UNC	8	2	6.5	3.5
Tri-section 210	791210	8	50	210	280	117	285	7/8"-14UNF	10	2	9	5.5
Tri-section 340	791340	20	90	340	460	175	430	1 1/4"-12UNF	14	2	8	18
Tri-section 495	791495	30	140	495	660	235	610	1 1/4"-12UNF	20	2	12	45

Mobile hydraulic pullers

BETEX Mobipuller, hydraulic mobile puller



25
tons

50
tons



Double-acting electrical



Single-acting electrical



Single-acting manual



Option: adapters for inner rings, etc.

BETEX Mobipullers

For heavy-duty dismounting jobs. One person can do the job!

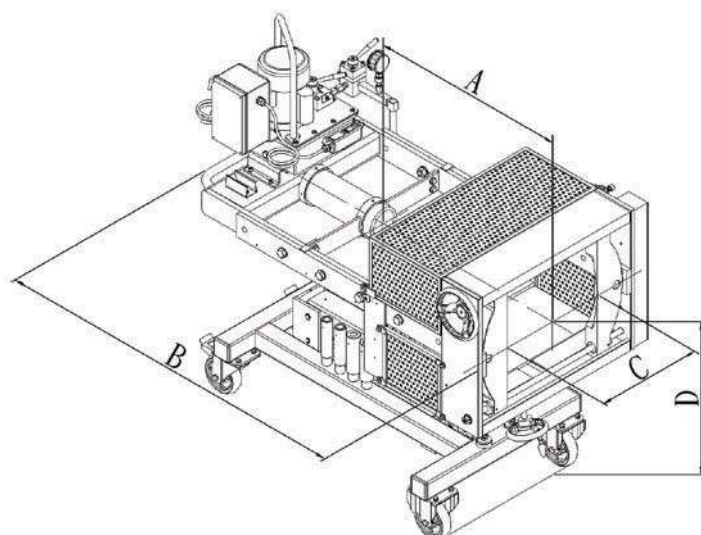
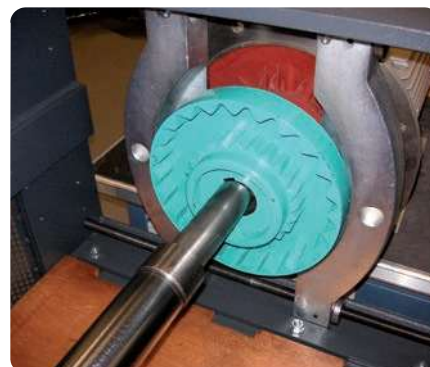
BETEX mobile hydraulic pulley puller quickly and easily removes machine parts such as bearings, couplings, bushings, gears, etc. The Mobipuller excels in functional and ergonomic handling. It is stable, mobile and adjustable in height. An operating pressure of up to 25 and 50 tons can be applied, at an opening of 430 mm. To ensure safe and easy operation, the electrical versions are supplied with remote control.

All models are equipped as standard with:

- Overload protection.
- Oil-filled pressure gauge.
- 4 adapters (extensions): 2 x Ø40 mm and 2 x Ø50 mm.
- 4 stable wheels with polyurethane tyres.
- 2 castor wheels with double-functioning brake.
- Safety cage.
- Dimensions LxWxH: 1570x990x1510 mm.
- The press frame can be extended in 2 steps of 190 mm each

Advantages

- ✓ Mobile
- ✓ Can be used when there is little space behind the workpiece
- ✓ One person can do the job
- ✓ Extra safe thanks to the safety cage



Type	Art. no.	Cap. tons	Cylinder stroke	Pump	A mm	B mm	C mm	D mm	Weight kg
25 HV 430 S 260	700001	25	260	single acting manual	770	1560	430	900/1430	415
25 EVA 430 S 260*	700002	25	260	single acting electrical, BETEX EP18S 230V**	770	1560	430	900/1430	430
50 HV 430 S 260	700003	50	260	single acting manual	740	1560	430	900/1430	435
50 EVA 430 S 260*	700004	50	260	single acting electrical, BETEX EP18S 230V**	740	1560	430	900/1430	450
50 EVA 430 S 340*	700005	50	340	single acting electrical, BETEX EP18S 230V**	660	1560	430	900/1430	455
50 EVAD 430 S 340*	700006	50	340	double acting electrical, BETEX EP18D 230V**	615	1560	430	900/1430	470
50 EVAD 430 S 460*	700007	50	460	double acting electrical, BETEX EP18D 230V**	470	1560	430	900/1430	485

* incl. remote control **optional 120V

Mobile hydraulic puller

BETEX HXPC 2/3-arm puller, self-centering, with crane



Valve block



Adapters

BETEX HXPC 50 2/3-arm

For dismantling of all kinds of transmission parts such as bearings, couplings, gear wheels, wheels, etc.

- The puller is self-centering, easy to manoeuvre and adjustable in height. The puller is easy to convert into a 2- or 3-arm version. The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- Can be used in any position.
- Remote control included.
- Safety blanket included.

Operation

- An electrohydraulic 230V-700 bar pump operates the cylinder and the crane. This is a 2-stage pump with an output of 2.8 litres per minute at 7 bar counter pressure.
- The design prevents the puller arms from slipping or deflecting from behind the workpiece.
- The crane has 2 castor wheels and 2 fixed wheels.
- A hydraulic single-acting cylinder with max. operating pressure of 700 bar (50 tons).
- The total stroke is 159 mm. Two adapters (extensions) are included, with a total length of 310 mm.



Also available without crane, HXP503 on page 68.



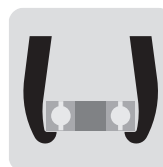
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

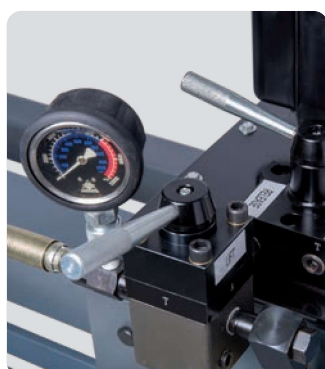
Type	HXPC 50
Art. no.	700016
Capacity tons	50
Max. stroke mm	159
Max. spread mm	860
Min. spread mm	160
Max. shaft length mm	455
Operation	Electrical, BETEX EP18S, 230V
Operation of self-centering jaws	manual
2 adapters, total length: 310 mm	1 x Ø 40: length 155, 1 x Ø 50: length 155
Min. height from centre mm	210
Max. height from centre mm	1550
Pressure gauge bar	700
Dimensions mm LxWxH	1850 x 970 x 1550
Weight kg	280

Mobile hydraulic puller

BETEX HXPM 50, 2-arm puller, self-centering



50
tons



Valve block



Adapters

BETEX HXPM 50 2-arm

For dismantling of all kinds of transmission parts such as bearings, couplings, gear wheels, wheels, etc.

- The puller is self-centering, easy to manoeuvre and adjustable in height. The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- Remote control included.
- 4 adapters included.
- Safety blanket included.

Operation

- Double-acting cylinder for clamping, opening and closing the arms, for a safe and secure grip on the workpiece.
- An electrohydraulic 230V-700 bar pump operates the cylinder and the height adjustment. This is a 2-stage pump with an output of 2.8 litres/minute at 7 bar counter pressure.
- The design prevents the puller arms from slipping or deflecting.
- The mobile frame has 2 castor wheels (with brake) and 2 fixed wheels.
- The hydraulic single-acting cylinder has max. operating pressure of 700 bar (50 tons).
- The total stroke is 330 mm. Four adapters (extensions) are included, with a total length of 620 mm.



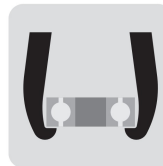
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type	HXPM 50 2-jaw
Art. no.	700019
Capacity tons	50
Max. stroke mm	330
Max. spread mm	1250
Min. spread mm	200
Max. shaft length mm	780
Operation	Electrical, BETEX EP18S, 230V
Operation of self-centering jaws	hand pump, double acting
4 adapters, total length: 620 mm	2 x Ø 40: length 155, 2 x Ø 50: length 155
Min. height from centre mm	310
Max. height from centre mm	1045
Pressure gauge bar	700
Dimensions mm LxWxH	2700 x 655 x 900
Weight kg	315

Mobile hydraulic pullers

BETEX HXPM 50, 2/3-arm puller, self-centering



50
tons



Valve block



Adapters



HXPM 50 2/3-arm SHORT



HXPM 50 2/3-arm LONG

BETEX HXPM 50 2/3-arm

For dismantling of all kinds of transmission parts such as bearings, couplings, gear wheels, wheels, etc.

- The puller is self-centering, easy to manoeuvre and adjustable in height. The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- Remote control included.
- Safety blanket included.

Operation

- Double-acting cylinder for clamping, opening and closing the arms, for a safe and secure grip on the workpiece.
- An electrohydraulic 230V-700 bar pump operates the cylinder and the height adjustment. This is a 2-stage pump with an output of 4.2 litres/minute at 7 bar counter pressure.
- The design prevents the puller arms from slipping or deflecting from behind the workpiece.
- The puller is easy to convert into a 2-arm or 3-arm version.
- The puller is vertically adjustable by 5°.
- The mobile frame has 2 castor wheels (with brake) and 2 fixed wheels.
- A hydraulic single-acting cylinder with max. operating pressure of 700 bar (50 tons).
- The total stroke is 330 mm. Four adapters (extensions) are included, with a total length of 620 mm.



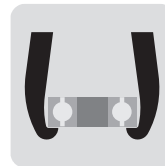
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type	HXPM 50 2/3-arm SHORT	HXPM 50 2/3-arm LONG
Art. no.	700017	700014
Capacity tons	50	50
Max. stroke mm	330	330
Max. spread mm	950	1250
Min. spread mm	200	200
Max. shaft length mm	500	780
Operation	Electrical, BETEX EP18S, 230V	Electrical, BETEX EP18S, 230V
Operation of self-centering jaws	Hand pump, double acting	Hand pump, double acting
4 adapters, total length: 620 mm	2 x Ø 40: length 155, 2 x Ø 50: length 155	2 x Ø 40: length 155, 2 x Ø 50: length 155
Min. height from centre mm	820	820
Max. height from centre mm	1370	1370
Pressure gauge bar	700	700
Dimensions mm LxWxH	2245 x 800 x 1155	2545 x 800 x 1155
Weight kg	385	400

Mobile hydraulic puller

BETEX HXPM 100, 2-arm puller, self-centering



100
tons



Valve block



Adapters



Adjustable jaw tips for more grip

BETEX HXPM 100 2-arm

For dismantling of all kinds of transmission parts such as bearings, couplings, gear wheels, wheels, etc.

- The puller is self-centering, easy to manoeuvre and adjustable in height. The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- Remote control included.
- Blanket included.

Operation

- Double-acting cylinder for clamping, opening and closing the arms, for a safe and secure grip on the workpiece.
- An electrohydraulic 400V-700 bar pump operates the cylinder, height adjustment and arms. This is a 2-stage pump with an output of 9.5 litres/minute at 7 bar counter pressure.
- The design prevents the puller arms from slipping or deflecting.
- The mobile frame has 2 castor wheels (with brake) and 2 fixed wheels.
- A hydraulic single-acting cylinder with max. operating pressure of 700 bar (100 tons).
- The total stroke is 270 mm. Seven adapters (extensions) are included, with a total length of 1125 mm.
- Adjustable jaw tips for optimum grip.



Use in combination with UHAP 2800 high-pressure air pump on page 133.



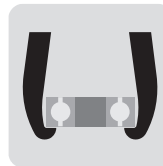
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type	HXPM 100 2-jaw
Art. no.	700021
Capacity tons	100
Max. stroke mm	270
Max. spread mm	1500
Min. spread mm	300
Max. shaft length mm	1220
Operation	Electrical, BETEX EP420D, 400V
7 adapters, total length: 1125 mm	2 x Ø 70: length 300, 2 x Ø 70: length 150, 1 x Ø 70: length 100, 1 x Ø 70: length 75, 1 x Ø 70: length 50
Min. height from centre mm	320
Max. height from centre mm	790
Pressure gauge bar	700
Dimensions mm LxWxH	2915 x 1035 x 1350
Weight kg	870

Mobile hydraulic puller

BETEX HXPM 100, 2/3-arm puller, self-centering



100
tons



Valve block



Pump detail



Adjustable jaw tips for more grip

BETEX HXPM 100 2/3-arm

For dismantling of all kinds of transmission parts such as bearings, couplings, gear wheels, wheels, etc.

- The puller is self-centering, easy to manoeuvre and adjustable in height. The puller is easy to convert into a 2- or 3-arm version. The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- Remote control included.

Operation

- Double-acting cylinder for clamping, opening and closing the arms for a steady grip on the workpiece.
- An electrohydraulic 400V-700 bar pump operates the cylinder. This is a 2-stage pump with an output of 9.5 litres per minute at 7 bar counter pressure.
- The design prevents the puller arms from slipping or deflecting from behind the workpiece.
- The puller is vertically adjustable by 5°.
- The mobile frame has 2 castor wheels (with brake) and 2 fixed wheels.
- A hydraulic single-acting cylinder with max. operating pressure of 700 bar (100 tons).
- The total stroke is 270 mm. Seven adapters (extensions) are included, with a total length of 1125 mm.
- Adjustable jaw tips for optimum grip.



Use in combination with UHAP 2800 high-pressure air pump on page 133.



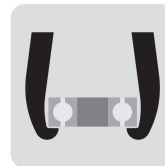
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type	HXPM 100 - 2/3-jaw
Art. no.	700015
Capacity tons	100
Max. stroke mm	270
Max. spread mm	1500
Min. spread mm	300
Max. shaft length mm	1220
Operation	Electrical, BETEX EP420D, 400V
7 adapters, total length: 1125 mm	2 x Ø 70: length 300, 2 x Ø 70: length 150, 1 x Ø 70: length 100, 1 x Ø 70: length 75, 1 x Ø 70: length 50
Min. height from centre mm	820
Max. height from centre mm	1320
Pressure gauge bar	700
Dimensions mm LxWxH	2915 x 1035 x 1350
Weight kg	1120

Mobile hydraulic puller

BETEX HXPM 150, 3-arm puller, self-centering



150
tons



Valve block



Pump block



Adapters



Adjustable jaw tips for more grip

BETEX HXPM 150 3-arm

For dismantling of all kinds of transmission parts such as bearings, couplings, gear wheels, wheels, etc.

- The puller is self-centering, easy to manoeuvre and adjustable in height. The arms slide inwards or outwards simultaneously.
- The stronger the pulling force, the tighter the jaws grip around the workpiece. Bending or deflecting is impossible.
- Integral safety release valve prevents overload and ensures that you never exceed the maximum force.
- Remote control included.

Operation

- Double-acting cylinder for clamping, opening and closing the arms, for a safe and secure grip on the workpiece.
- An electrohydraulic 400V-700 bar pump operates the cylinder. This is a 2-stage pump with an output of 9.5 litres/minute at 7 bar counter pressure.
- The design prevents the puller arms from slipping or deflecting.
- The mobile frame has 2 castor wheels (with brake) and 2 fixed wheels.
- A hydraulic double-acting cylinder with max. operating pressure of 700 bar (150 tons).
- The total stroke is 330 mm. Seven adapters (extensions) are included, with a total length of 1125 mm.
- Adjustable jaw tips for extra grip.



Use in combination with UHAP 2800 high-pressure air pump on page 133.



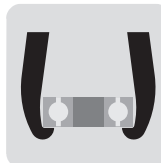
Advantages of unique self-centering pullers:

- ✓ The arms slide inwards or outwards simultaneously.
- ✓ Prevents damage to shaft and object being pulled.
- ✓ Can be operated by one person.
- ✓ Work efficiently and save time.

Type	HXPM 150 - 3-arm
Art. no	700025
Capacity tons	150
Max. stroke mm	330
Max. spread mm	1650
Min. spread mm	300
Max. shaft length mm	1175
Operation	Electrical, BETEX EP420D, 400V
7 adapters, total length: 1125mm	2 x Ø 70: length 300, 2 x Ø 70: length 150 1 x Ø 70: length 100, 1 x Ø 70: length 75, 1 x Ø 70: length 50
Min. height from centre mm	830
Max. height from centre mm	1330
Pressure gauge bar	700
Dimensions mm LxWxH	2990 x 1030 x 1390
Weight kg	1223

Mobile hydraulic pullers

BETEX BPP & BPPS Side Shift Bearing Puller Pusher



100
tons



Step-by-step disassembly of TBU / SP / TAROL bearing sets



Step-by-step assembly of TBU / SP / TAROL bearing set

BETEX BPP & BPPS Side Shift

For mounting and dismounting of rail and metro bearing sets.

Specially for rail and metro workshops. Use the right equipment to remove or install tapered roller bearings. This hydraulic aid will allow you to save valuable time and help you work safely and efficiently. Easy to use roll-around model for both mounting and dismounting.

BETEX BPP & BPPS Side-Shift Bearing Puller Pusher

- Mobile and easy to use by one person
- Suitable for locomotives, passenger and freight cars.
- For safe, simple and fast mounting and dismounting of e.g. TBU, SP and TAROL bearing sets.
- Wide range of accessories available. The accessory sets are available in various sizes, metric and inch versions (housing-type locomotives and passenger cars).
- Pulling capacity (dismounting) 100 t max.
- BBP: Pushing capacity (mounting) adjustable to 68 t max.
- BBPS Side-Shift: Pushing capacity (mounting) adjustable to 100 t max.
- BPPS Side-Shift: Compact and easy to manoeuvre thanks to the 4 caster wheels.
- BPPS Side-Shift: For the different applications (mounting or dismounting) the BPPS must be converted.



Accessory set

Request our questionnaire for sound advice and price estimates.

To order the correct accessory set for bearings (housing-type locomotives and passenger cars), please provide us with the following information:

- Bearing number and manufacturer number
- Drawing of bearing and shaft

Pump

You can choose from 2 models, which are equipped with a manual valve (BETEX EP211D) or a solenoid valve (BETEX EP211DS).



Type	BPP 100	BPPS 100 Side-Shift
Art. no.	700018: incl. manual valve / excl. acc. 700020: incl. solenoid valve / excl. acc.	700023: incl. manual valve / excl. acc. 700024: incl. solenoid valve / excl. acc.
Pulling capacity, dismantling tons	max. 100 t	max. 100 t
Pushing capacity, mounting tons	adjustable to 68 t max.	max. 100 t
Max. stroke mm	392	255
Max. shaft diameter mm	Depending on acc.	Depending on acc.
Min. shaft diameter mm	Depending on acc.	Depending on acc.
Main cylinder operation & height adjustment	electro-hydraulic pump BETEX EP211D / EP211DS, 230V, 12A, 50Hz with remote control	electro-hydraulic pump BETEX EP211D / EP211DS, 230V, 12A, 50Hz with remote control
Min. height from centre to floor mm	370	384
Max. height from centre to floor mm	1050	731
Gauge bar	700	700
4 wheels	2 fixed wheels, 2 castor wheels	4 castor wheels
Dimensions mm LxWxH	2210 x 652 x 900	1299 x 627 x 909
Weight kg	560	400