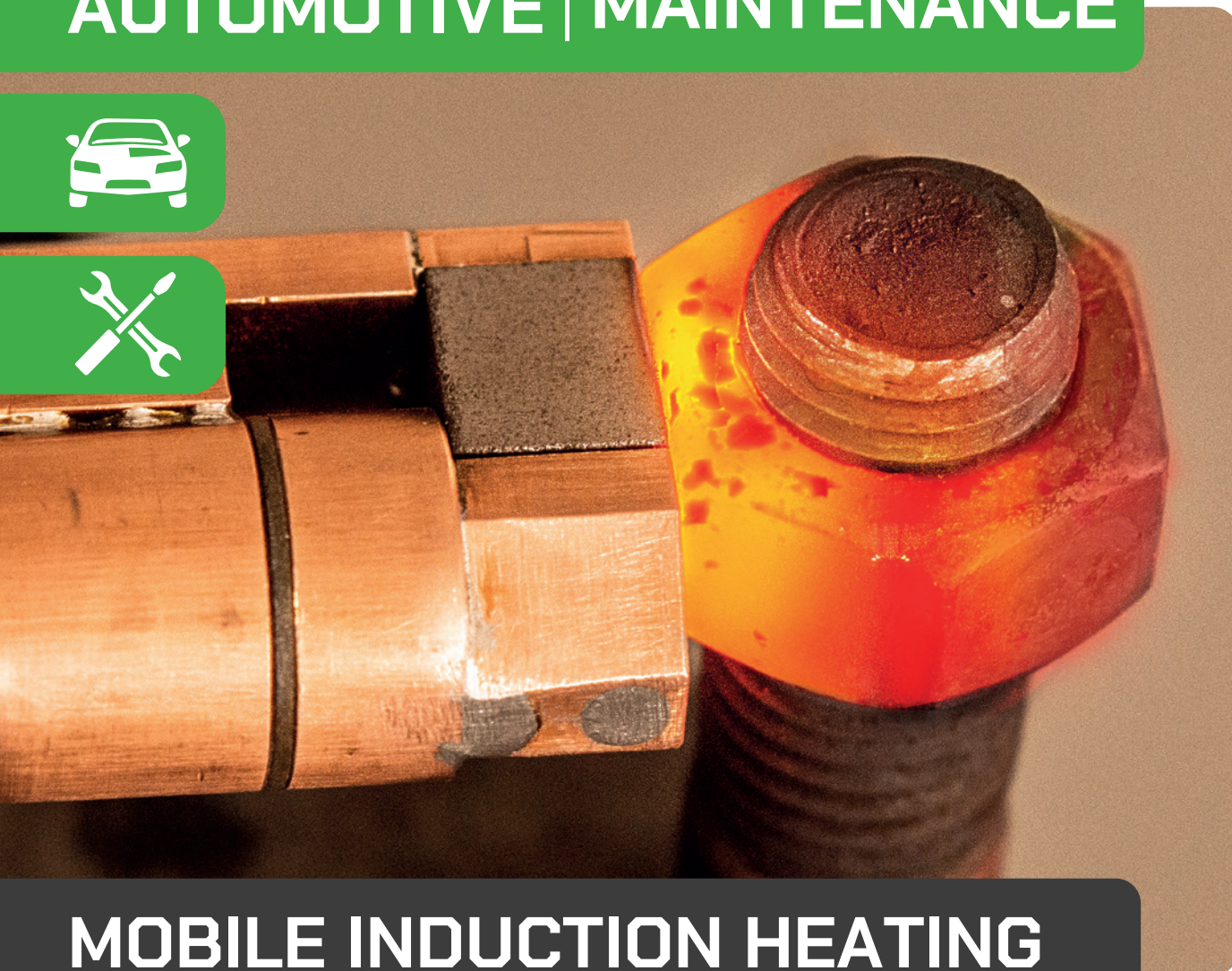




AUTOMOTIVE | MAINTENANCE



MOBILE INDUCTION HEATING
efficient replacement of flame heating

MADE IN
CZECH
REPUBLIC



CATALOGUE
2024/25

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ABOUT COMPANY

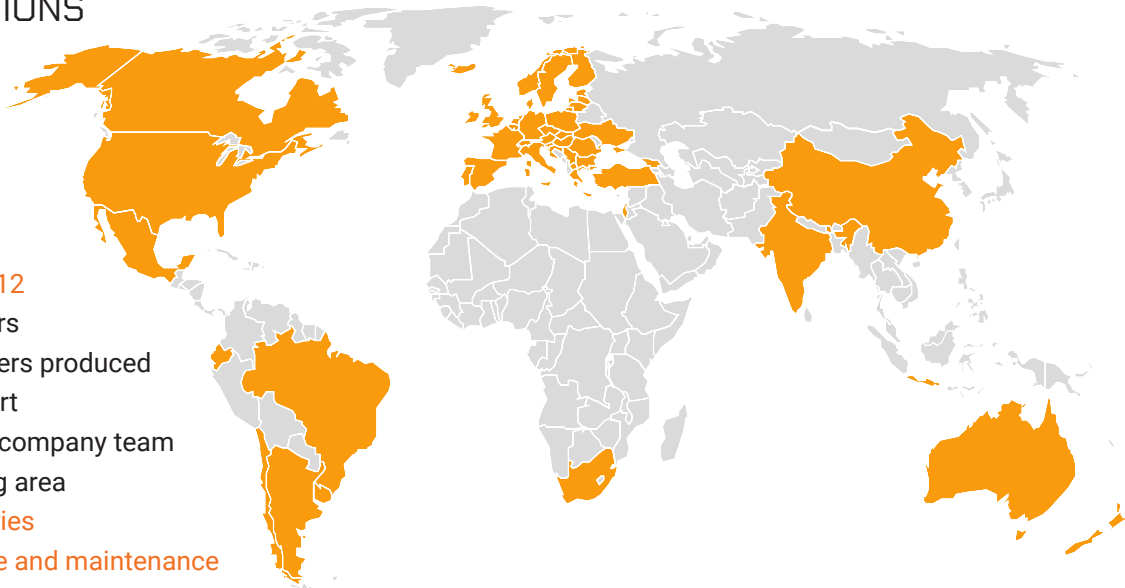
PRODUCTION FIELD: Certified induction and resistance heaters of european quality.

ACTIVITY: Development, production, sales, distribution, rental, service, marketing.

MISSION: Transform traditional flame heating into innovative induction technology that is synonymous with quality, safety, ecology, economy and efficiency.

EXPORT DESTINATIONS

- On the market **since 2012**
- **15** basic types of heaters
- **More than 65.000** heaters produced
- **45** destinations of export
- **40** professionals in the company team
- **1.200 m²** manufacturing area
- Wide range of **accessories**
- Fast and reliable **service and maintenance**



MANUFACTURING AND SALES OFFICE AREA

1200 m²



DAWELL INDUCTION

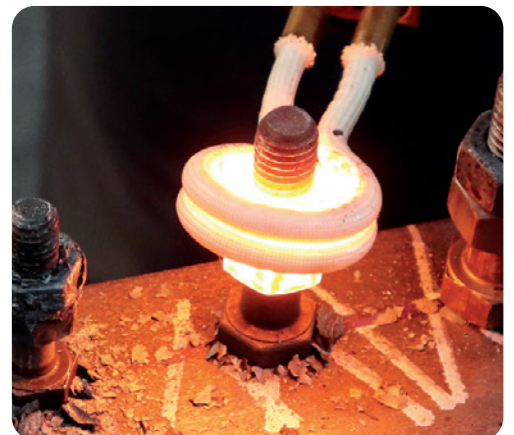
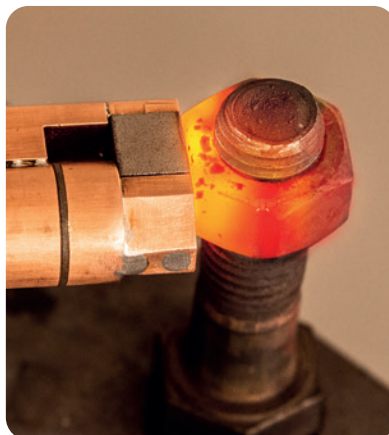
EFFECTIVE AND ECONOMIC REPLACEMENT OF FLAME HEATING

DEVELOPED AND DESIGNED FOR

- Garages and maintenance
- Transport undertakings
- Repair shops for trucks and agricultural and constructions machinery
- Metal manufacturing and welding workshops
- Industrial and manufacturing facilities
- Soldering and brazing
- Automated and robotic workplaces
- Construction and assembly
- Aviation and shipbuilding industry
- Assembly, service and installation works
- Easy and quick use

ADVANTAGES COMPARED TO OPEN FLAME

- Lower operating costs
- Safe use
- Accuracy of heating focus
- Heating rate
- High mobility
- Very silent operation
- Ecological
- Compactness, small size
- Simple use and operation
- No operator certificate required



INVERTER HEATER DCI-12 PKW

COMPACT INDUCTION HEATING FOR CAR REPAIR AND MAINTENANCE

DCI-12 PKW induction heater in compact design is suitable for fast, efficient and safe heating of metal parts, especially threaded joints, nuts, body sections and transmission shafts of cars etc. It replaces heating by oxyacetylene and butane-propane flame. It can be used in operations which require speed, flexibility and where there is a risk of damaging heated parts by open flame (upholstery, lacquer, rubber boots, wiring etc.)



IDEAL TOOL FOR EVERY WORKSHOP

- It facilitates the dismantling of rusty screws, old parts, for heating of exhaust pipes, screws, nuts, bearings, tool heating prior hardening, gluing, soldering, also suitable for defrosting.
- Low operating costs, no need to train the operating staff to work with oxyacetylene torch and propane-butane burners.
- Easy and quick to use - undemanding operation, quick preparation.
- Use in car repair and car maintenance.

ADVANTAGES

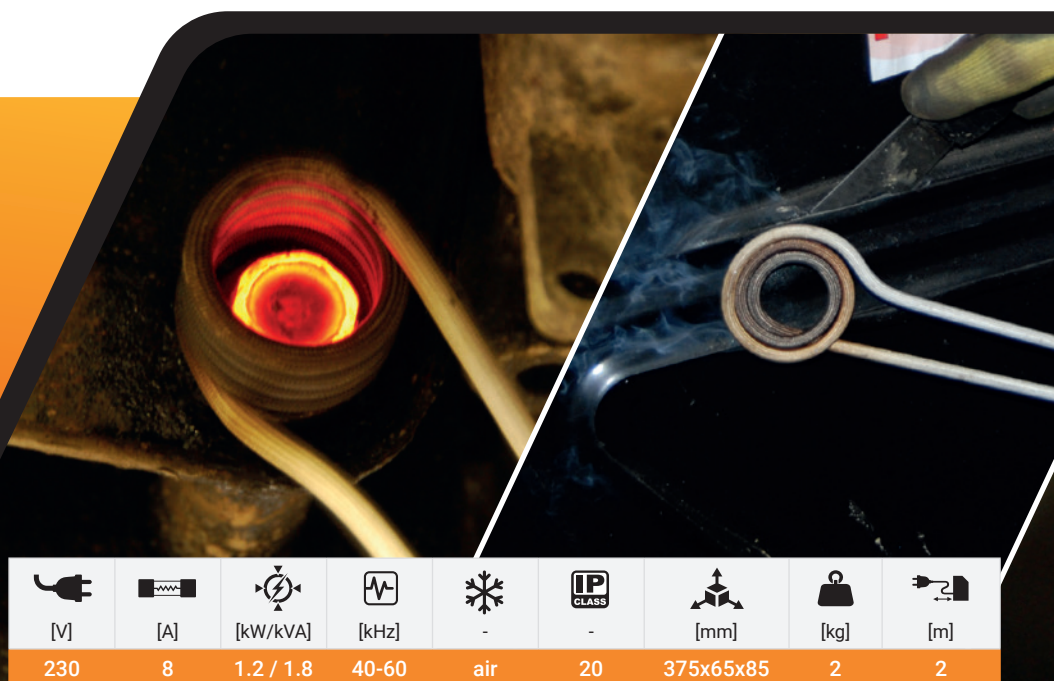
- Mobility – weight 2 kg and dimensions of small cordless drill.
- Flexibility and ease of use- power supply 1x 230 V. Just plug in, press button and start heating (plug and play)!
- High power and loading factor – high speed.
- Easy handling and access due to its small size.
- Heating of a specific point.
- Ergonomic and well done design.
- Induction heating minimizes injury of the operating staff and the risk of fire is greatly decreased.

EQUIPMENT

- Plastic case and basic practical set of coils.
- Protection against overheating and overload of the source and short circuit of the coil.
- Processor control optimizes the heating process.
- LED illumination in front of the induction coil.
- Wide range of DAWELL accessories available.



BASIC SET
(order no. 05-200-01)
DHI-12 PKW, FLEXI, PAD,
19 mm, 26 mm



[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]
230	8	1.2 / 1.8	40-60	air	20	375x65x85	2	2

INVERTER HEATER DHI-15 PKW

INDUCTION HEATER FOR CAR REPAIR SHOPS

DHI-15 PKW induction heater is designed for quick and safe heating of metal parts of cars, farming machinery, buses, etc. It replaces heating with oxyacetylene and propane-butane torches. It finds application in operations that require speed and flexibility and pose a risk of damage around heated parts with naked flame (upholstery, pain, rubber sleeves, electrical installation, etc.).

IDEAL TOOLS FOR EVERY WORKSHOP

- Facilitates removal of rusty bolts and old parts, heating of exhaust pipelines, Bolts, nuts, bearings, tools before hardening, gluing, soldering, and ideal for defrosting.
- Low operating costs, no need to train operating staff in working with oxyacetylene and propane-butane torches.
- Easy and quick to use – simple operation, quick preparation.
- Applicable in automotive, railway and shipbuilding industry, metalworking and maintenance.
- Safety – absence of flames.

EQUIPMENT

- Wide range of accessories DAWELL.
- Automatic resonance frequency settings.
- Processor control.
- Overload alarm, coil short circuit alarm.
- Design resistant to short circuit and open circuit.
- Robust design using IGBT transistors.

ADVANTAGES

- Mobility – weight 4.5 kg and dimensions of a small welding machine.
- High power and loading factor – high speed.
- Easy handling and access – 70 cm coil connecting cable with handle.
- Flexibility and ease of use – power supply 1x 230 V. Just connect to the electrical network, press button and start heating (plug and play)!
- Ecological and economical operation with very low noise levels.



BASIC SET
(order no. 05-001-01)
DHI-15 PKW, FLEXI, PAD,
19 mm, 26 mm

800 °C within 20 seconds



[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
230	8	1.5 / 3.2	25-60	air	20	200x140x75	4.5	3	0.7

MOBILE INDUCTION HEATER **DHI-44E** for LKW

QUICK AND SAFE HEATING IN THE CAR REPAIR SHOP

DHI-44E for LKW is a portable, liquid-cooled induction heater with a two-meter inductor and optional replaceable induction adapters. The device is designed for heating ferromagnetic and conductive materials. Its compact and lightweight design, high power output and ease of use make it ideal for workshops, car repair shops, maintenance shops and the repair industry in general.

IDEAL TOOL FOR THE REPAIR INDUSTRY

- Facilitates removal of rusty bolts and old parts, heating of exhaust pipelines, bolts, nuts, bearings, tools before hardening, gluing, soldering, and also for defrosting.
- Low costs, no need to train operating staff in working with oxyacetylene and propane-butane torches.
- Applicable in the automotive, railway and shipbuilding industry, manufacturing, mechanical engineering, workshops, car repair shops, heating and pipeline installation, maintenance, etc.
- Safety – absence of flames.

EQUIPMENT

- Clear display capable of showing up to 7 parameters.
- Water cooling of induction coils.
- Smooth power adjustment.
- Timer and factory settings.
- USB for software updates.
- Constant power mode CP.
- LED illumination in front of the induction coil.
- Wide range of accessories DAWELL.

ADVANTAGES

- Mobility – weight 11.5 kg including cooling.
- High power and loading factor.
- Use of focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Flexibility and ease of use.
- Heat deep-seated and hard-to-reach alloy wheel bolts with narrow Car Nut coil.

SUPPORTED TECHNOLOGIES

- DHS3, BIPT, DIP A, QST, ACMS, DFU



BASIC SET
DHI-44E for LKW
(order no. 07-003)
Side focus coil
Coolant liquid 2.5 l

Supported technologies	
DHS3	Dawell Heating Control System 3
BIPT	Boost Induction Power Technology
DIP A	Dynamic Induction Power Adjust
QST	Quiet Cooling Technology
ACMS	Automatic Check And Monitor System
DFU	Device Firmware Update



[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
230	16	3.7 / 4	18-60	liquid	22	240x200x440	11.5	3	2

POWERFUL INDUCTION HEATER **DHI-120E*** for LKW

SAFE HEATING FOR AUTOMOTIVE AND WELDING INDUSTRY

DHI-120E for LKW is mobile, liquid-cooled induction heater equipped with a 4 meter inductor with the possibility of replaceable induction adapters. The device is intended for heating of ferromagnetic and conductive materials. Thanks to the compact design high performance, versatile use with smooth output adjustment, it is suitable for various applications especially in car repair shops, truck and agricultural machinery repair shops, production facilities, welding workshops and other industries.

IDEAL TOOLS FOR EVERY WORKSHOP

- Heating of rusty bolts, nuts and old parts, straightening of steel frames and truck chassis.
- Heating prior to hardening, straightening, forging, bending of structural steel profiles.
- Low operating costs, training of operators is not necessary like for methods working with autogenous and propane-butane burners.
- Simplicity and ease of use - simple operation, fast heating process.
- Safety and ecology - absence of flame.
- Use in the automotive, railway, aerospace, marine and industry in general, metal-working, maintenance.

EQUIPMENT

- Clear display with visualization of the parameters.
- Water cooled inductors.
- Constant power mode CP.
- Continuous output control 20-100 %.
- USB connection for software update.
- LED inductor lighting.
- Wide range of accessories DAWELL.

ADVANTAGES

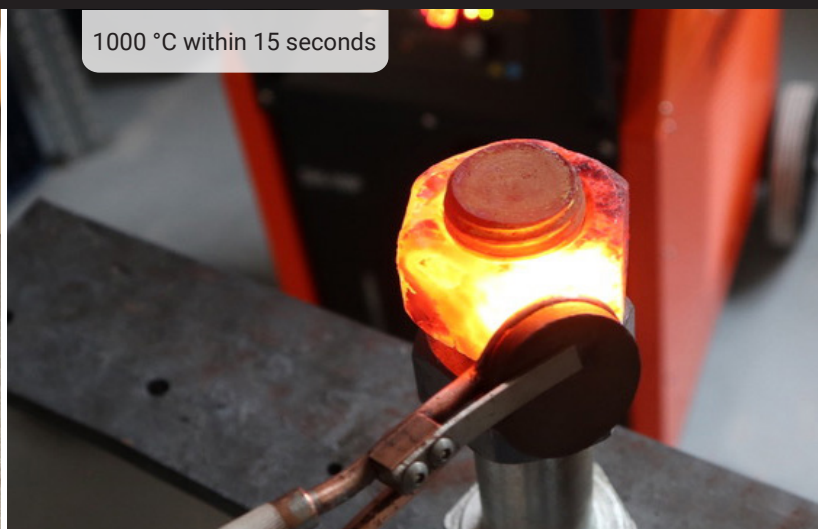
- Mobility – weight 58 kg including cooling.
- Use of ceramic surface-treated focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- High power and loading factor.
- Ease of use – 4 m long inductor.
- Flexibility and ease of use.
- Robust and big wheels on the removable chassis.













BASIC SET
DHI-120E for LKW
(order no. 09-005-01)
Round focus coil
Coolant liquid 10 l

SUPPORTED TECHNOLOGIES

DHS3, BIPT, DIPA, QST, ACMS, DFU



1000 °C within 15 seconds

									
[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
3x400	3x16	10 / 12	18 - 45	liquid	21	400x760x700	58	5	4

POWERFUL INDUCTION HEATER **DHI-190F HD** for LKW

SAFE HEATING FOR AUTOMOTIVE AND WELDING INDUSTRY

DHI-190F HD for LKW is a high-performance, mobile induction heater with a liquid-cooled inductor with a length of 6 meters and the possibility of changing different induction adapters. The device is designed for heating ferromagnetic and conductive materials. Its compact design, high power and load capacity, versatile use and power control make it suitable for a variety of applications, especially in the welding industry, heavy industry, manufacturing plants, truck repair shops, agricultural equipment etc.

IDEAL TOOLS FOR EVERY WORKSHOP

- Spot heating
- Heating of larger areas
- Heating before hardening and annealing
- Screw heating
- Automotive
- Car repair shops
- Truck repair shops
- Maintenance
- Heating before welding
- Straightening of various materials Including stainless steel, aluminium, copper etc.

EQUIPMENT

- Clear screen (OLED) with many parameters to display.
- Liquid cooling of induction coils.
- Continuous power control 20 - 100 %.
- Timer function.
- Constant power heating (CP) and constant field (CF) mode.
- Remote control and temperature sensor connector.
- LED coil illumination.
- USB connection for software update.

ADVANTAGES

- Mobility, easy of use.
- Use of ceramic surface-treated focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Very silent operation.
- High power and loading factor.
- Flexibility and ease of use.
- Robust and big wheels on the removable chassis.



BASIC SET
DHI-190F HD for LKW
(order no. 12-001)
Rectangular focus coil
Coolant 10 l

Straightening

Preheating



Car repair

[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
3x400	32	19/33	18-35	liquid	21	540x840x960	96	5	6

8
www.dawell.cz

ACCESSORIES

INDUCTORS AND ACCESSORIES FOR DCI-12 PKW, DHI-15 PKW

	Type coil	15/220 mm	19/220 mm	23/220 mm	26/220 mm	32/220 mm	38/220 mm	45/220 mm
	Front white	80-101-01	80-102-01	80-104-01	80-105-01	80-106-01	80-107-01	80-108-01
	Side white	80-151-01	80-152-01	80-154-01	80-155-01	80-156-01	80-157-01	80-158-01

Front coils 15-45 mm / Side coils 15-45 mm (see table).
Possibility to order coils with black insulation (on demand).



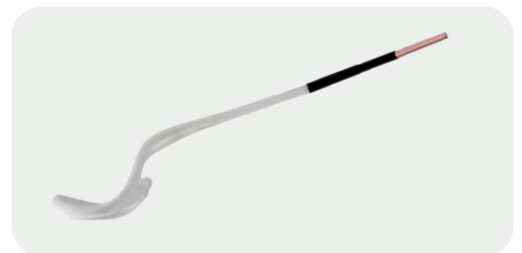
FLEXI ceramic coil
(order no. 80-257-01)



FLEXI coil
white (order no. 80-253-01)
black (order no. 80-263-01)



WIRE coil
white (order no. 80-121-01)
black (order no. 80-131-01)



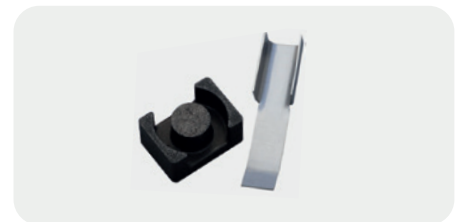
PAD radius coil
white (order no. 80-204-04)
black (order no. 80-213-01)



PAD removal coil
white (order no. 80-202-01)
black (order no. 80-212-01)



Focus coil
(order no. 80-251-01)



Spare focus coil core
(order no. 50-005)



EASY set of straight coils
white (order no. 80-171-01)
black (order no. 80-181-01)



EASY set of side coils
white (order no. 80-172-01)
black (order no. 80-182-01)



MAX set of coils
white (order no. 80-187-01)
black (order no. 80-188-01)

ACCESSORIES

INDUCTORS FOR DHI-44E LKW



Coil „Car Nut“
(order no. 07-108)



Focus coil, side
(order no. 07-103)



Focus coil, inclined
(order no. 07-102)

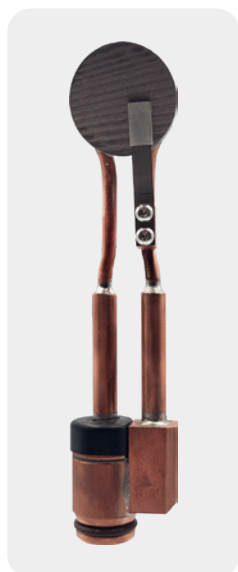


Focus coil, straight
(order no. 07-104)



Round coil for reducer
(also available with wear- and heat-resistant paint finish)

Diameter	Order No.
20 mm	81-001-01
26 mm	81-002-01
32 mm	81-003-01
38 mm	81-004-01
40 mm	81-006-01
45 mm	81-005-01
53 mm	81-009-01



Round focus coil with reducer
(order no. 07-110)



Reducer without coil
(order no. 07-105)



Handle extension without coil
(order no. 07-101)

INDUCTORS FOR DHI-120E LKW



Round focus coil
(order no. 09-102-01)



Round front focus coil
(order no. 09-117-01)



„U“ profile coil 14 mm
(order no. 09-115-01)



Double-turn round coil 22 mm
(order no. 09-111-01)







Single-turn round coil
 ø 22 mm (order no. 09-103-01)
 ø 28 mm (order no. 09-104-01)
 ø 34 mm (order no. 09-105-01)
 ø 40 mm (order no. 09-106-01)
 ø 47 mm (order no. 09-107-01)
 ø 57 mm (order no. 09-108-01)

(Note: Circular and „U“ coils are also available with wear- and heat-resistant paint finish of surface)

ACCESSORIES

INDUCTORS FOR DHI-190F HD

Coil	Size	Order No.
 <p>Rectangular focus coil</p>	33 x 52 mm	12-101-01
 <p>Round focus coil</p>	38 mm	12-102-01

Coil	Diameter	Order No.
 <p>Single-turn round coil</p>	50 mm	12-103-01
	55 mm	12-104-01
	60 mm	12-105-01
	65 mm	12-106-01
	70 mm	12-107-01
	75 mm	12-108-01
 <p>Double-turn round coil</p>	24 mm	12-130-01
	27 mm	12-131-01
	31 mm	12-132-01
	35 mm	12-133-01
	38 mm	12-134-01
	45 mm	12-135-01

NEW

Surface treatment of circular and „U“ coils with special wear-resistant and heat-resistant black paint.

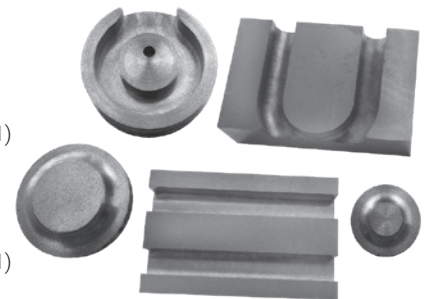


Spare focus coil core

For DHI-190F HD
round Ø 38 mm (order no. 12-202-01)
rectangular 33x52 mm (order no. 12-201-01)

For DHI-100F / 120F / HD
round Ø 32 mm (order no. 09-200-01)
round Ø 20 mm (order no. 09-205-01)
rectangular 30x50 mm (order no. 09-206-01)

Mounting kit
for replacing ferrites in the focusing coils
(on demand)



OTHER ACCESSORIES



Coolant
3 l (order no. 91-006)
10 l (order no. 09-210)



Remote control pedal
for DHI-100/120 (order no. 09-203-02)
for DHI-190 (order no. 12-200-01)



Trolley for DHI-4 machines
(order no. 07-400-01)

RANGE OF MOBILE WORKSHOP AND INDUSTRIAL HEATING DEVICES

Car repair garages and maintenance:

DCI-12 • DHI-15 • DHI-44E for LKW • DHI-120E for LKW • DHI-190F HD for LKW

Affordable price, high mobility, quick heating, high performance, simple operation.



Welding and industrial market:

DHI-44/45F • DHI-45C • DHI-100(F/C) • DHI-120(F/C/HD) • DHI-190F HD • DHC 6510R

Manual and automated use, connectivity with PCs, robots and manufacturing lines, high performance and load factor, variability of usage, broader setting options, temperature sensor connection option.



Soldering and brazing:

DHI-45C • DHI-48B • DHI-100C • DHI-120C (HD)

Optimised for manual and eventual machine brazing.

