



**EXCEL**  
MACHINE TOOLS  
**'Always Excel'**

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LIFTING AND WORKSHOP TECHNOLOGY



MAIN CATALOGUE 2019  
OFFERS FOR TRADE CUSTOMERS

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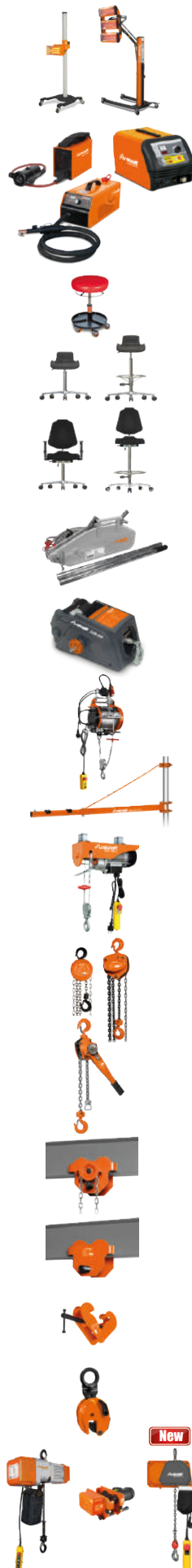
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**Battery chargers**

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# SLD Logistics Centre



In early April 2014, operations started in our new logistics centre. At the company site in Pettstadt near Bamberg (15 km from head office) with some 50 000 m<sup>2</sup>, the new logistics centre was created with 20 000 m<sup>2</sup> of hall floor space: another milestone in the history of the STÜRMER Group.

The objective was to improve delivery quality in all respects, and thus offer our esteemed business partners tangibly increased benefits.

### Our objectives are your benefits!

Our logistics centre stocks more than 360 000 articles. This allows for fast shipment of almost all of our products to Germany and throughout Europe. Qualified staff ensure the orderly delivery of the goods. Every year, more than 100 000 items leave the company's premises, with our own delivery vehicles, by carrier, or by parcel service.

### The SLD STÜRMER Logistics Centre:

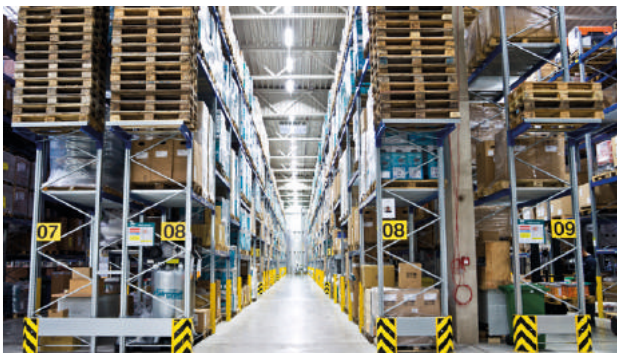
- Own fleet of five trucks
- 20 000 pallet bays
- 2 500 bays for small parts
- 22 000 m<sup>2</sup> of warehouse space
- 52 qualified warehouse clerks and trainees
- Approx. 9 450 shipments per month
- Approx. 20 m euro worth of goods in stock at all times

### More than 500 000 items ready for delivery:

- Around 21 000 machines
- Around 235 000 accessories
- Around 250 000 spare parts
- (Valid since 1<sup>st</sup> August 2018)

### The most important success factors

- › Rapid availability thanks to high storage capacity
- › Fast loading and turn-around times thanks to storage bay management and path optimisation
- › Ensured quality thanks to scanner-based methods
- › Huge improvement in the permeability of the outgoing goods process



Air compressors



22 000 m<sup>2</sup> of warehouse space





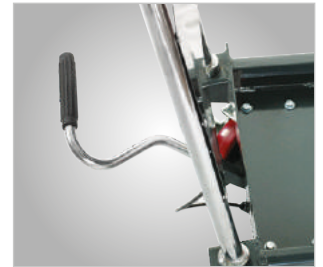


Lifting platforms & pallet trucks

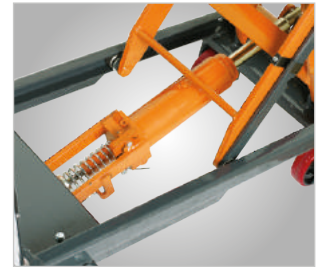
# Hydraulic scissor lift

## FHT – Mobile scissor lift platform with 500 kg load-bearing capacity

- ▶ Robust steel design
- ▶ For flexible and comfortable working
- ▶ With an easy-to-operate foot pedal for raising the table hydraulically to the desired height
- ▶ Separate foot pedal for lowering the table
- ▶ Robust rollers with safety wheel guard and brakes on the two steering rollers for enhanced safety during loading and unloading
- ▶ The relief valve protects the operator and the pump



▶ Easy-to-operate hydraulic foot pedal



▶ Hydraulic lifting and lowering device

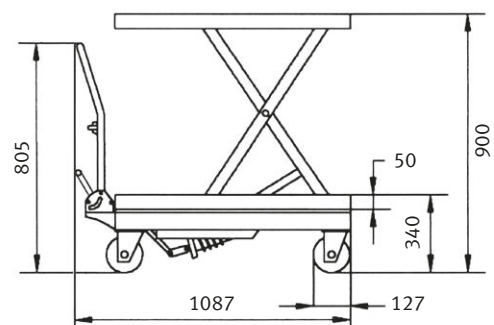


▶ Robust rollers with safety wheel guard and brakes on the two steering rollers for enhanced safety during loading and unloading



▶ Easy and conveniently operable table lowering

<b>Model</b>	<b>FHT 500</b>
Art. no.	6150500
<b>Technical specifications</b>	
Load-carrying capacity	0.5 t
Platform dimensions	855 x 500 x 50 mm
Total length	1087 mm
Lifting range	340 - 900 mm
Grip height	805 mm
Stroke per pump action	13 mm
Roller Ø	127 mm
Weight	87 kg



## SHT series – Hydraulic compact scissor lift platform

- ▶ For ergonomic working at an optimum working height
- ▶ With closed platform
- ▶ Separate control unit with 3-metre cable, control buttons and emergency stop switch
- ▶ Infinitely variable lifting and lowering
- ▶ Stable, powder-coated steel design
- ▶ Guaranteed stability
- ▶ Circumferential safety rails
- ▶ Fulfils the safety criteria of EN 1570
- ▶ High-pressure cylinder with dual-safety function

Model	SHT 1000	SHT 2000
Art. no.	6154100	6154200
<b>Technical specifications</b>		
Load-carrying capacity	1 t	2 t
Platform dimensions	1 300 x 800 mm	1 300 x 800 mm
Lifting time	25 s	40 s
Lifting speed loaded	40 mm/s	22 mm/s
Services	0.75 kW	0.75 kW
Lifting range	190 - 1 010 mm	190 - 1 010 mm
Weight	220 kg	280 kg



## SHT G & U series - Compact-height lifting tables

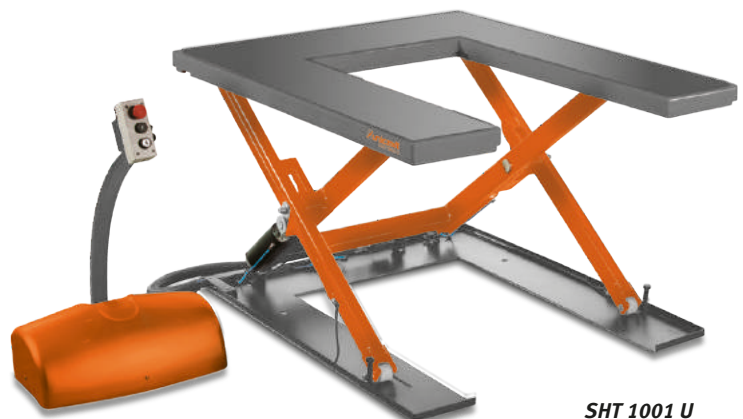
### SHT 1001 U model with U-shaped platform

- ▶ For ergonomic working at an optimum working height
- ▶ With closed platform
- ▶ SHT 1001 G including loading ramp - for easy moving in and out with pallet truck
- ▶ Separate control unit with 3-metre cable, control buttons and emergency stop switch
- ▶ Infinitely variable lifting and lowering
- ▶ Robust steel design for optimum stability
- ▶ Fulfils the safety criteria of EN 1570
- ▶ Chrome-plated piston rods
- ▶ SHT 1001 U model with U-shaped platform ensures easy access with pallet lifting truck



SHT 1001 G

Model	SHT 1001 G	SHT 1001 U
Art. no.	6153100	6153101
<b>Technical specifications</b>		
Load-carrying capacity	1 t	1 t
External dimensions of platform	1 450 x 1 140 mm	1 450 x 1 140 mm
Internal dimensions of platform	-	1 050 x 585 mm
Lifting time	18 s	18 s
Lifting speed loaded	42 mm/s	42 mm/s
Services	0.75 kW	0.75 kW
Electrical connection	400 V / 3 Ph/ 50 Hz	400 V / 3 Ph/ 50 Hz
Current type	AC	AC
Lifting range	82 - 760 mm	80 - 760 mm
Weight	250 kg	235 kg



SHT 1001 U



# Professional pallet truck

**PHW Series** – Professional pallet truck in stable, robust quality for demanding daily use – also available with short and long forks

- ▶ Robust fully-hydraulic lifting and lowering device
- ▶ Smooth-action hydraulic pump with hard chrome-plated piston and pressure relief valve
- ▶ Lowering speed infinitely variable thanks to release valve with granular control
- ▶ Highly stable, torsion-resistant monocoque design of frame and forks
- ▶ Ergonomically shaped drawbar, non-slip with additional plastic coating
- ▶ Three functions operable via one-hand lever (lifting, lowering, neutral position)
- ▶ Easy to move even heavy loads thanks to super quiet aluminium steering rollers with solid rubber tyres and tandem fork rollers made of polyurethane
- ▶ Precision ball bearings in all wheels and rollers

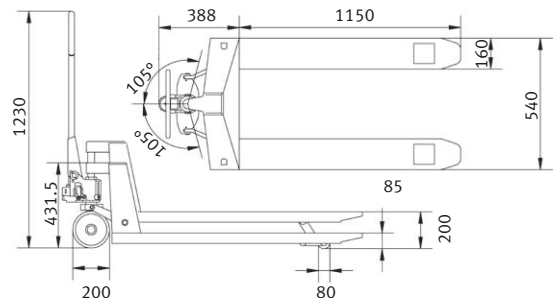


PHW 2506\*



PHW 2510 PRO

Model	PHW 2506	PHW 2510 PRO
Art. no.	6152506	6158025
<b>Technical specifications</b>		
Load-carrying capacity	2.5 t	2.5 t
Load bearing width	540 mm	525 mm
Fork width	160 mm	150 mm
Fork length	1 150 mm	1 150 mm
Lifting range	85 - 200 mm	85 - 200 mm
Steering angle	210°	205°
Turning radius	1 275 mm	1 367 mm
Steering rollers (Ø x width)	200 x 50 mm	200 x 55 mm
Fork rollers (Ø x width)	80 x 70 mm	82 x 60 mm
Dimensions mm	1 540 x 540 x 1 230	1 550 x 525 x 1 160
Weight	69 kg	63 kg



**Model PHW 2506**

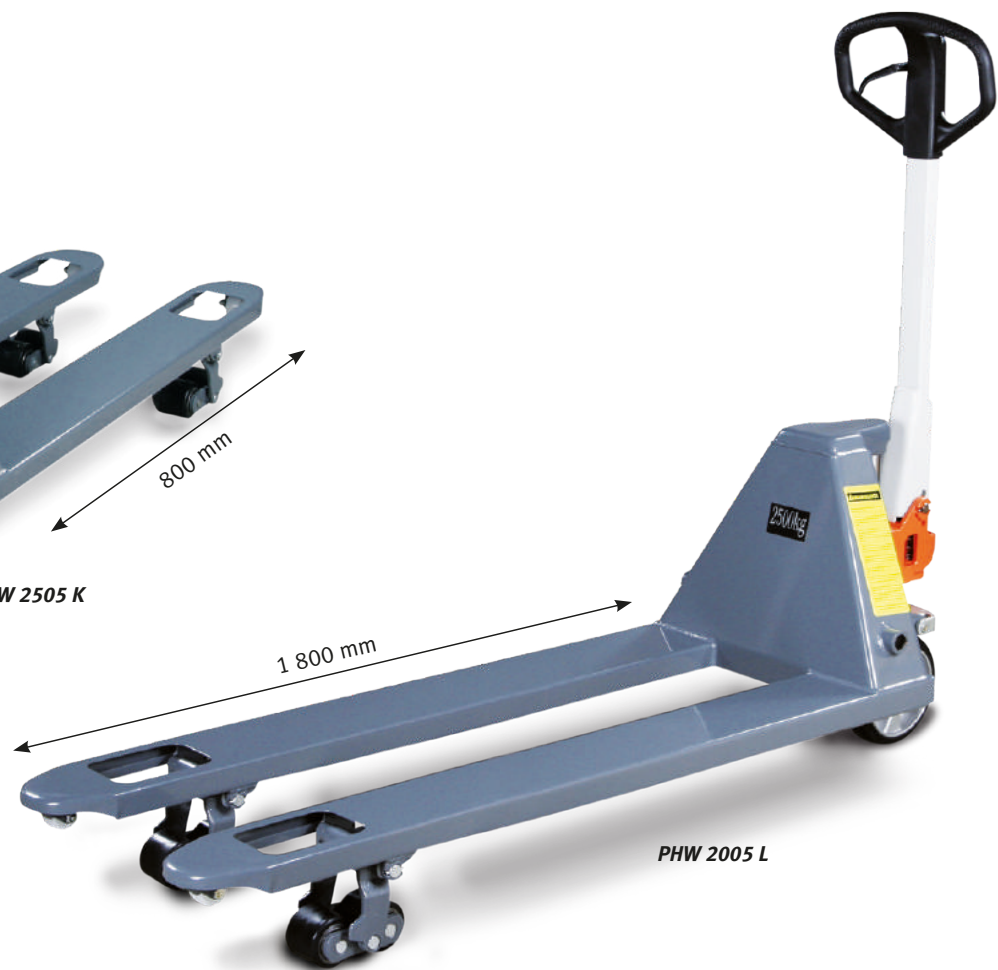
- ▶ With an additional foot pedal for lowering the pallet truck
- ▶ Ergonomically shaped drawbar with rubberised handle

**Model PHW 2505 K**

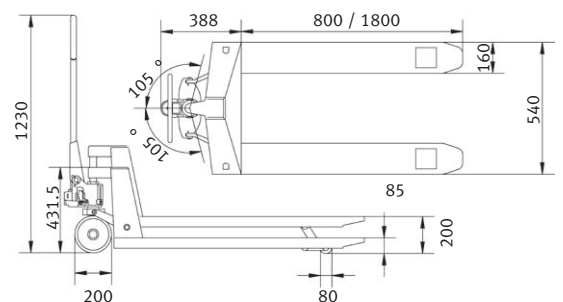
- ▶ Short fork type (800 mm)

**Model PHW 2505 L**

- ▶ Long fork type (1 800 mm)



	Short forks	Long forks
<b>Model</b>	<b>PHW 2505 K</b>	<b>PHW 2505 L</b>
Art. no.	6150256	6150257
<b>Technical specifications</b>		
Load-carrying capacity	2.5 t	2 t
Load bearing width	540 mm	540 mm
Fork width	160 mm	160 mm
Fork length	800 mm	1 800 mm
Lifting range	85 - 200 mm	85 - 200 mm
Steering angle	210°	210°
Turning radius	925 mm	1 925 mm
Steering rollers (Ø x width)	200 x 50 mm	200 x 50 mm
Fork rollers (Ø x width)	80 x 70 mm	80 x 70 mm
Dimensions	1 195 x 540 x 1 230 mm	2 195 x 540 x 1 230 mm
Weight	71 kg	122 kg



# Pallet truck with weighing device and printer

## PHW W / WP series

### PHW 2000 W



- ▶ Self-explanatory large 4-button control panel with tactile click
- ▶ Also very easy to operate when wearing gloves
- ▶ Weight display in 1 kg steps

### PHW 2000 WP



- ▶ PHW 2000 WP including integrated printer for weight output

**PHW W / WP series** – Professional pallet truck with 2 t load-bearing capacity and integrated electronic weighing device. “WP” version additionally with integrated printer

- ▶ Aluminium steering rollers with full-rubber tread, PU tandem fork rollers, precision ball bearings
- ▶ Integrated electronic scales protected by steel housing
- ▶ With a large, six-digit LCD display for pounds or kilograms and grams, also easily readable from the side
- ▶ With error message display
- ▶ Electronic parts for reliability, DIN IP65-protected against humidity and dust
- ▶ Reliable at temperatures from -10° to 40° C and 10 % to 95 % relative humidity
- ▶ Tare correction, gross/net weight, total weight and totalling function for serial weighing
- ▶ Power supply via 4 AA 1.5V batteries

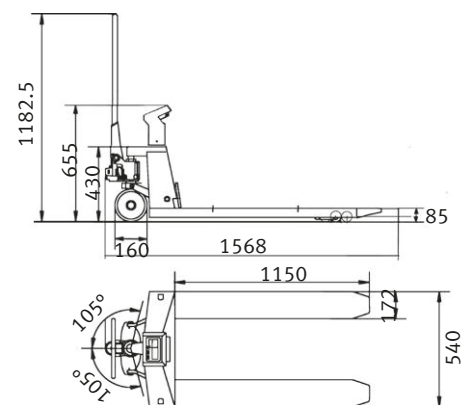


PHW 2000 W

PHW 2000 WP

- ▶ Additionally with integrated printer

Model	PHW 2000 W	PHW 2000 WP
Art. no.	6150261	6150271
<b>Technical specifications</b>		
Load-carrying capacity	2 t	2 t
Load bearing width	540 mm	540 mm
Fork width	172 mm	172 mm
Fork length	1 150 mm	1 150 mm
Lifting range	85 - 175 mm	85 - 175 mm
Steering angle	210 °	210 °
Turning radius	1 362 mm	1 362 mm
Steering rollers (Ø x width)	160 x 50 mm	160 x 50 mm
Fork rollers (Ø x width)	70 x 60 mm	70 x 60 mm
Dimensions (L x W x H)	1 568 x 540 x 1 182.5 mm	1 568 x 540 x 1 182.5 mm
Weight	135 kg	135 kg
<b>Weighing device</b>		
Weighing capacity	2 000 kg	2 000 kg
Measuring interval	1 kg	1 kg
Measuring accuracy	at 2 000 kg = +/- 2 kg	at 2 000 kg = +/- 2 kg
Battery voltage*	4 x 1.5 V	4 x 1.5 V



PHW 2000 W, PHW 2000 WP

\* Battery included in scope of delivery

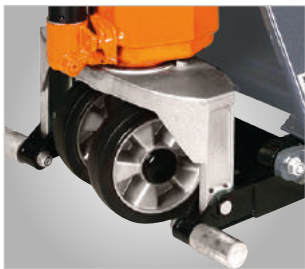




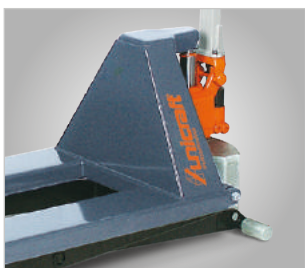
- ▶ The lift, quick lift, and lower functions, and neutral position are set via the one-hand lever
- ▶ Optimum comfort due to plastic coating



- ▶ Fully-hydraulic lifting and lowering device with hard chrome-plated 3-part piston and pressure relief valve
- ▶ The lowering speed is automatically reduced for heavy loads
- ▶ Fast mechanical lifting stroke to reach maximum fork height



- ▶ During pumping, the lifting truck is supported by its factory-standard support feet as of a certain height. This ensures stability and stops the lifting truck rolling away



- ▶ The PHH 1001 is universally deployable thanks to its low chassis height of just 430 mm

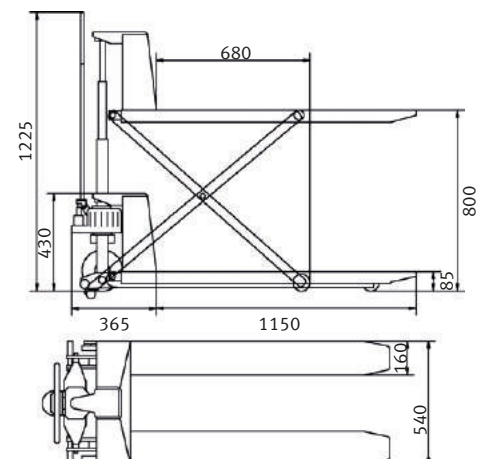
## PHH 1001 - Combined scissor pallet truck

The mobile lifting platform with a load-bearing capacity of 1 t

- ▶ Robust fully-hydraulic lifting and lowering device
- ▶ Smooth-action hydraulic pump with hard chrome-plated piston and pressure relief valve
- ▶ Lowering speed infinitely variable thanks to release valve with granular control
- ▶ Quickly reaches the max. fork height thanks to mechanical fast stroke
- ▶ Stable, torsion-resistant monocoque design of frame and forks
- ▶ Easily manoeuvrable thanks to steering angle of up to 210°
- ▶ Ergonomically shaped drawbar, with additional plastic coating
- ▶ Move heavy loads easily by switching from pumping to neutral position
- ▶ Extremely quiet action thanks to aluminium steering rollers with full-rubber treads
- ▶ Plastic load rollers
- ▶ Maintenance-free precision ball bearings in all wheels and rollers



<b>Model</b>	<b>PHH 1001</b>
Art. no.	6150100
<b>Technical specifications</b>	
Load-carrying capacity	1 t
Load bearing width	540 mm
Fork width	160 mm
Fork length	1 150 mm
Lifting range	85 - 800 mm
Chassis height	430 mm
Steering angle	210°
Steering rollers (Ø x width)	180 x 50 mm
Fork rollers (Ø x width)	74 x 50 mm
Dimensions (L x W x H)	1 515 x 540 x 1225 mm
Weight	122 kg



# Scissor pallet trucks

## PHH 1003 E - Combined scissor pallet truck with electrohydraulic lifting device and 1 t load-bearing capacity

- ▶ Robust electro-hydraulic lifting and lowering device
- ▶ Hydraulic pump with hard chrome-plated piston and pressure relief valve
- ▶ Dual use as electric or manually-driven scissor pallet truck, e.g., while charging the battery
- ▶ Manual lowering; smooth, continuous lowering speed adjustment thanks to release valve with granular control
- ▶ Stable, torsion-resistant monocoque design of frame and forks
- ▶ Ergonomically shaped drawbar, with additional plastic coating
- ▶ Extremely quiet action thanks to aluminium steering rollers and fork rollers with polyurethane covered full rubber tread
- ▶ Maintenance-free precision ball bearings in all wheels and rollers
- ▶ Maintenance-free battery with an operating time of five hours (12 V/60 Ah) as standard
- ▶ Battery can be charged via any 230-V socket



- ▶ The ergonomically shaped drawbar supports single-handed operation and is also plastic-coated for optimum convenience



- ▶ Robust electro-hydraulic lifting and lowering device
- ▶ The lowering speed is automatically reduced for heavy loads to avoid damage
- ▶ LED battery charge display



- ▶ Premium, smooth-action hydraulic pump with hard chrome-plated piston and pressure relief valve

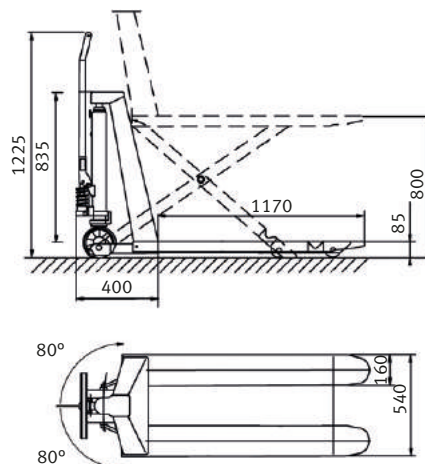


- ▶ During pumping, the lifting truck is supported by its factory-standard support feet as of a certain height. This ensures stability and stops the lifting truck rolling away



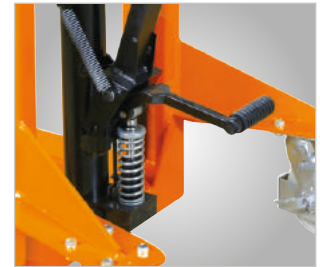
**Info & video**

Model	PHH 1003 E
Art. no.	6150104
<b>Technical specifications</b>	
Load-carrying capacity	1 t
Load bearing width	540 mm
Fork width	160 mm
Fork length	1 170 mm
Lifting range	85 - 800 mm
Steering angle	160 °
Turning radius	1 564 mm
Steering rollers (Ø x width)	180 x 55 mm
Fork rollers (Ø x width)	75 x 50 mm
Dimensions (L x W x H)	1 715 x 540 x 1 254 mm
Weight	152 kg
<b>Electrical data</b>	
Lift motor output	0.8 kW
Battery voltage	12 V
Battery rated capacity	60 Ah
Battery weight	24 kg



## GHHW 1000 – Perfect for loading and unloading vehicles

- ▶ Facilitates handling and transport in the warehouse and at the workplace
- ▶ Dual use for stacking and short transport tasks
- ▶ No sparks due to static charge and no electromagnetic fields; thus also suitable for flammable or explosive materials
- ▶ Robust steel section design with premium welds
- ▶ Fixed fork width for stable lifting of the load
- ▶ Economically designed lifting device with manually-actuated hydraulic pump
- ▶ Easily fits through doors and cramped warehouses thanks to its compact design
- ▶ Equipped with low-wear rollers and rotating, ball-bearing borne, nylon rear wheels for easy action
- ▶ Durably precision-engineered
- ▶ The lifting function is easy to use thanks to foot and hand levers



▶ Foot pedal takes the hard work out of lifting

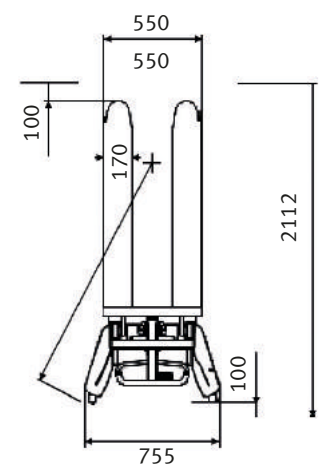
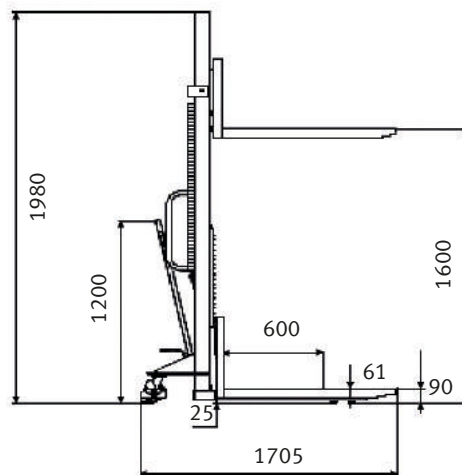


- ▶ Rugged design with large steering rollers and twin polyurethane load-bearing rollers
- ▶ No sparks due to static charge and no electromagnetic fields; thus also suitable for flammable or explosive materials



- ▶ Ergonomically shaped handle for single-handed operation
- ▶ Optimum comfort due to plastic coating

Model	GHHW 1000
Art. no.	6151016
<b>Technical specifications</b>	
Load-carrying capacity	1 t
Load bearing width	550 mm
Fork width	170 mm
Fork length	1 150 mm
Lifting range	90 - 1 600 mm
Chassis height	1 980 mm
Steering angle	210 °
Steering rollers (Ø x width)	147 x 40 mm
Fork rollers (Ø x width)	83 x 60 mm
Lifting speed	25 mm/s
Lowering speed	Manually controllable
Turning radius	1380 mm
Aisle width needed	2 112 mm
Load distribution	600 mm
Dimensions (L x W x H)	1 705 x 755 x 1 980 mm
Weight	230 kg



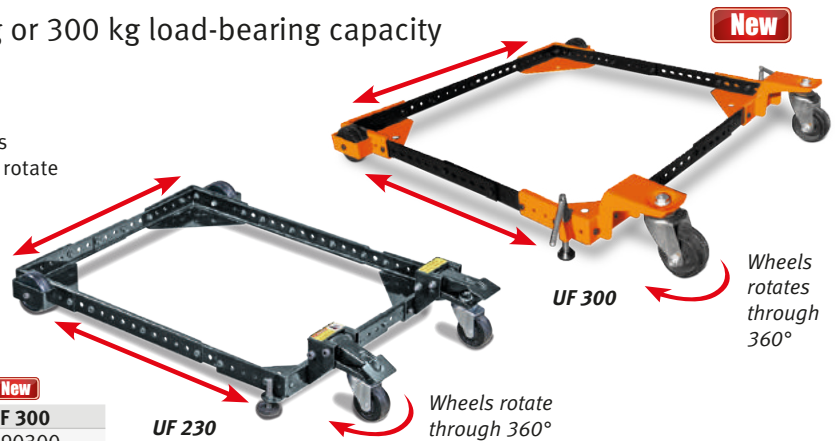


# Transportation aids



## UF 230 – Universal chassis with 230 kg or 300 kg load-bearing capacity

- ▶ Chassis with variably adjustable load platform
- ▶ For easy transport and relocation of machines
- ▶ Grid supports many different load platform size settings
- ▶ Easy to manoeuvre thanks to two steering rollers which rotate through 360°
- ▶ With vibration damping feet (UF 230)
- ▶ Safe and stable design
- ▶ Fast and easy assembly



Model	UF 230	UF 300
Art. no.	6190230	6190300
<b>Technical specifications</b>		
Load-bearing capacity	230 kg	300 kg
Square load platform min.	280 x 280 mm	345 x 345 mm
Square load platform max.	890 x 890 mm	730 x 730 mm
Rectangular load platform min.	430 x 280 mm	-
Rectangular load platform max.	1 290 x 480 mm	-
Hole spacing	25 mm	25.4 mm
Weight	7.7 kg	9 kg



### Typical applications

- ▶ For easy moving of band saws, sanding machines, planes, drills, etc. (machines not included in scope of supply)

## HR 1000 – Lifting roller set with 1 t load-bearing capacity

- ▶ For transporting heavy objects such as cabinets, etc.
- ▶ Electro-galvanised steel sheet frame
- ▶ Contact surface rubber coated
- ▶ Wheel with polyurethane tyres

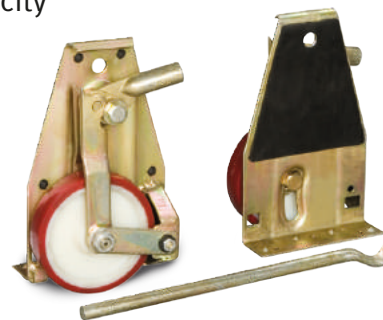
### Scope of delivery:

- > Two lifting rollers
- > One lever bar

Model	HR 1000
Art. no.	6191000
<b>Technical specifications</b>	
Load-bearing capacity	1 t (per set)
Polyurethane wheelset	138 x 28 mm
Claw height bottom	12 mm
Claw height top	50 mm
Weight	approx. 10 kg (per set)

### Easy handling:

- ▶ Lift the load with the lever bar
- ▶ Push the claw on the lifting roller underneath
- ▶ Lift the load by using the lever bar to switch the eccentric lever
- ▶ Follow the same steps with the second lifting roller on the other side



### Application example

- ▶ Perfectly suited for easy load shifting (cabinet not included in scope of supply)

## SAK, STK, STK Alu – Hand trucks and stacker trucks made of steel or aluminium

### SAK – Hand trucks made of tubular steel

- ▶ Robust welded design with steel sheet ledge
- ▶ Convenient use
- ▶ Premium materials and first-class workmanship guarantee best in class handling and a long service life
- ▶ Powder-coated tubular steel
- ▶ Wheels with pneumatic tyres and plastic rims

### STK – Stacker truck made of tubular steel

- ▶ Practical steel tube truck with steel sheet ledge
- ▶ Including plastic step slip edge
- ▶ Robust welded, powder coated tubular steel
- ▶ Wheels with pneumatic tyres and plastic rims

### STK Alu – Tubular aluminium stacker truck

- ▶ Including plastic step slip edge
- ▶ Very light and practical
- ▶ Wheels with pneumatic tyres and plastic rims

Model	SAK	STK	STK Alu
Art. no.	6250000	6250001	6250002
<b>Technical specifications</b>			
Load-carrying capacity	150 kg	120 kg	120 kg
Dimensions	1 120 x 570 x 488 mm	1 185 x 504 x 535 mm	1 000 x 450 x 440 mm
Bucket (W x D)	400 x 185 mm	260/300 x 220 mm	300 x 205 mm
Wheel (Ø x W)	254 x 63.5 mm	254 x 63.5 mm	254 x 63.5 mm
Rim Ø	76.2 mm	76.2 mm	76.2 mm
Weight	10.9 kg	10.2 kg	7.2 kg



# Transport rollers/lever bars

## ETR 4/150 – Corner transport roller set with 150 kg load-bearing capacity

- ▶ For fast and easy moving of box-shaped objects and furniture
- ▶ Low loading height for safe transport
- ▶ Housing made of welded steel sheet
- ▶ Loading surface with anti-slip mat

<b>Model</b>	<b>ETR 4/150</b>
Art. no.	6197150
<b>Technical specifications</b>	
Load-bearing capacity	150 kg/pc.
Dimensions (L x W x H)	255 x 255 x 85 mm
Loading height	15 mm
Weight	2 kg/pc.



**Scope of delivery:**

- ▶ Four corner rollers
- ▶ Three solid rubber steering rollers per corner roller

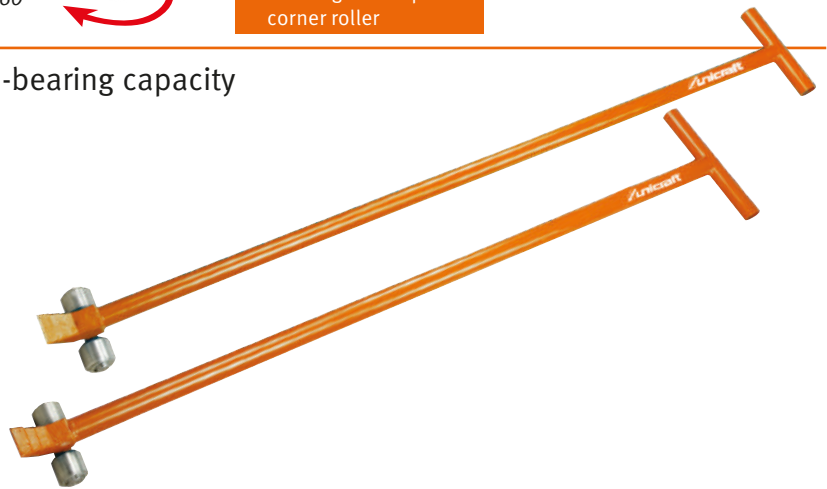


**Application example**  
Perfectly suited for easy shifting of box-shaped objects (cabinet not included in scope of supply)

## HS Series – Lever bars with 1.5 t and 5 t load-bearing capacity

- ▶ Solid steel bar for maximum stability
- ▶ Easy-action steel rollers

Model	HS 1.5	HS 5
Art. no.	6196015	6196050
<b>Technical specifications</b>		
Load-carrying capacity	1.5 t	5 t
Lever length	2 000 mm	2 000 mm
Number of rollers	2	2
Roller size	70 x 54 mm	70 x 54 mm
Weight	approx. 16 kg	approx. 32 kg



## TR Series – Transport rollers with 3 t and 6 t load-bearing capacity

- ▶ For easy and safe shifting of heavy objects
- ▶ Large ball-bearing borne nylon rollers and anti-slip rubber surface

Model	TR 3	TR 6
Art. no.	6193030	6193060
<b>Technical specifications</b>		
Load-carrying capacity	3 t	6 t
Dimensions (L x W x H)	400 x 228 x 100 mm	420 x 340 x 120 mm
Number of rollers	4 each	6 each
Roller size	85 x 90 mm	85 x 85 mm
Weight	approx. 9.5 kg	approx. 12 kg



## VTR Series – Adjustable transport rollers

- ▶ Set of 2
- ▶ Large ball-bearing borne nylon rollers
- ▶ Adjustable using 2 steel bars from 500 mm to 1 400 mm (VTR 6) or from 720 mm to 1 500 mm (VTR 12)
- ▶ Anti-slip rubber surface

Model	VTR 6	VTR 12
Art. no.	6192060	6192120
<b>Technical specifications</b>		
Load-carrying capacity	6 t	12 t
Dimensions (L x W x H)	320 x 268 x 110 mm	420 x 268 x 110 mm
Number of rollers	4 each	6 each
Roller size	85 x 90 mm	85 x 90 mm
Weight (per block of rollers)	approx. 30 kg	approx. 38 kg

**Scope of delivery:**

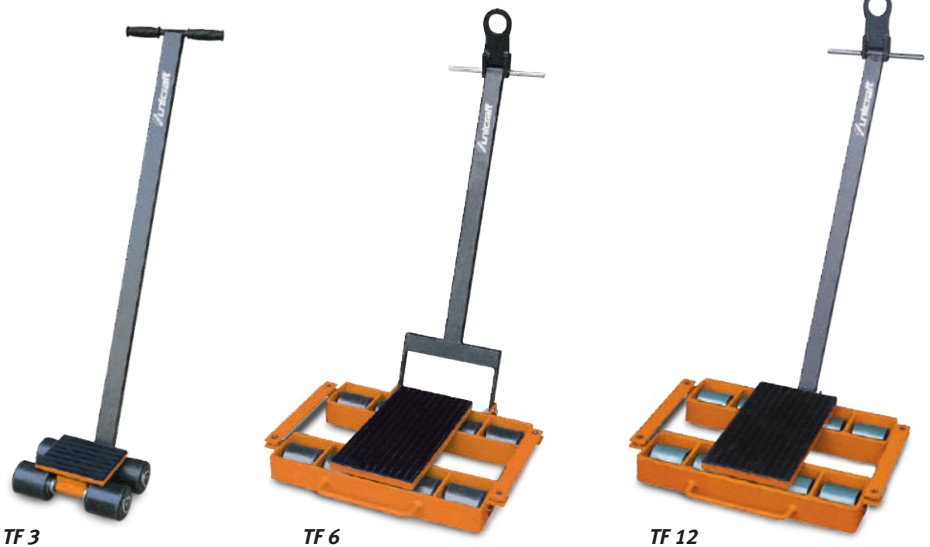
- ▶ Two transport rollers with two steel rods
- ▶ Transport rollers can be connected up to a length of 1.40 m (VTR 6) or 1.50 m (VTR 12)





## TF Series – Transport chassis

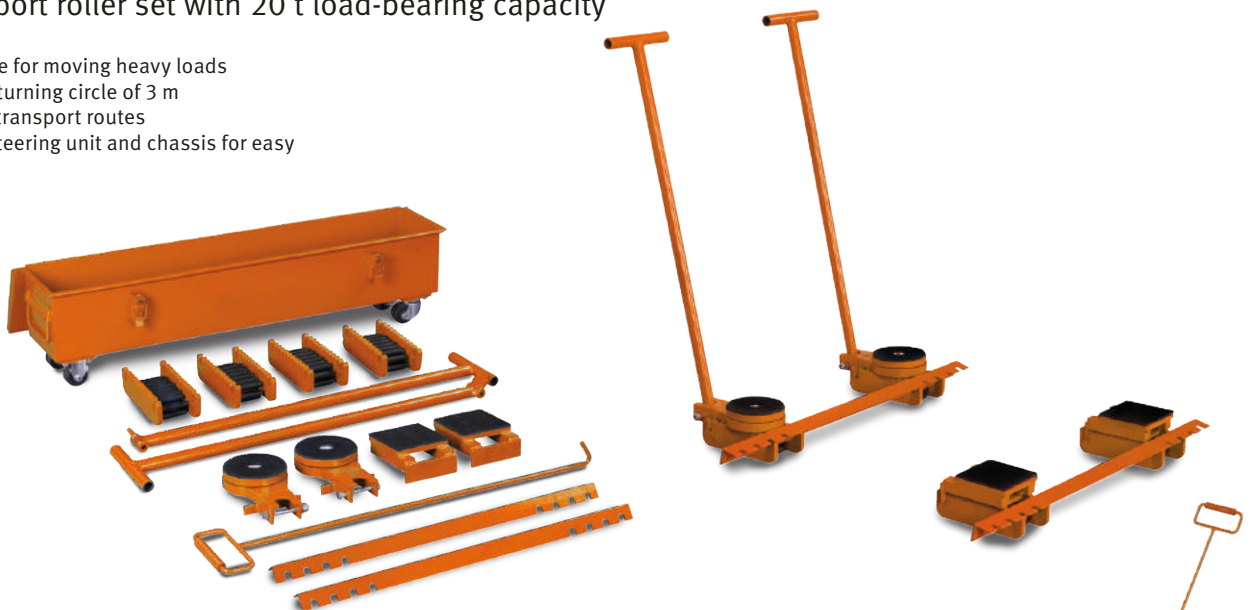
- ▶ For easy and safe transport and relocation of heavy objects and machines
- ▶ With pivoting carrier plate (single for TF 3, dual for TF 6 and TF 12) and drawbar for easy manoeuvring around corners
- ▶ Carrier plate with anti-slip rubber surface



Model	TF 3	TF 6	TF 12
Art. no.	6191030	6191060	6191120
<b>Technical specifications</b>			
Load-carrying capacity	3 t	6 t	12 t
Dimensions without drawbar (L x W x H)	295 x 230 x 104 mm	640 x 534 x 115 mm	640 x 566 x 115 mm
Support surface	185 x 150 mm	220 x 400 mm	220 x 400 mm
Number of rollers	4	8	8
Roller size (Ø x W)	85 x 90 mm	85 x 90 mm	83 x 95 mm
Weight	approx. 15 kg	approx. 50 kg	approx. 66 kg

## TR 20 – Transport roller set with 20 t load-bearing capacity

- ▶ Flexibly deployable for moving heavy loads
- ▶ Easy to steer with turning circle of 3 m
- ▶ Suitable for short transport routes
- ▶ Set consists of a steering unit and chassis for easy self-assembly



Model	TR 20
Art. no.	6195020
<b>Technical specifications</b>	
Load-carrying capacity	20 t
Transport/installation height	108 mm
Roller diameter	18 mm
Weight	approx. 50 kg

### Scope of delivery:

- > 4 transport rollers
- > 2 turntables with rubber mat Ø 130 mm
- > 2 carrier plates with rubber mat 120 x 120 mm
- > 2 connecting rods
- > 2 steering rods
- > 1 metal box with rollers and handles
- > 1 drawbar for the metal box



# Vehicle jacks

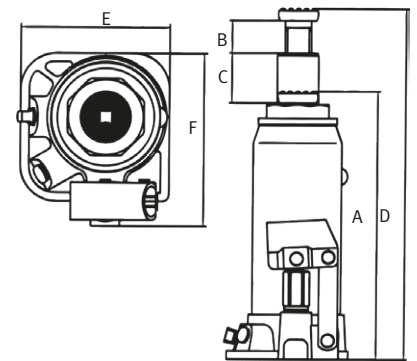


## HSWH Series – Hydraulic bottle jacks with 3 t or 5 t load-bearing capacity

- ▶ Jack with grooved lifting pad and screw extension
- ▶ Extremely durable cylinder
- ▶ Very low insertion height in lowest position
- ▶ Extremely stable and tilt-safe thanks to large special cast base plate for added stability
- ▶ Easy-action, two-part pump rocker arm with fit for valve control
- ▶ Particularly robust, stable and durable thanks to reinforced walls



Model	HSWH 3	HSWH 5
Art. no.	6201000	6201001
<b>Technical specifications</b>		
Load-carrying capacity	3 t	5 t
Min. height (A)	194 mm	216 mm
Adjustment height (B)	60 mm	70 mm
Stroke (C)	118 mm	127 mm
Lift height (D)	372 mm	413 mm
Footprint (E x F)	92 x 100 mm	96 x 112 mm
Dimensions (L x W x H)	92 x 100 x 194 mm	96 x 112 x 216 mm
Weight	3.6 kg	4.5 kg

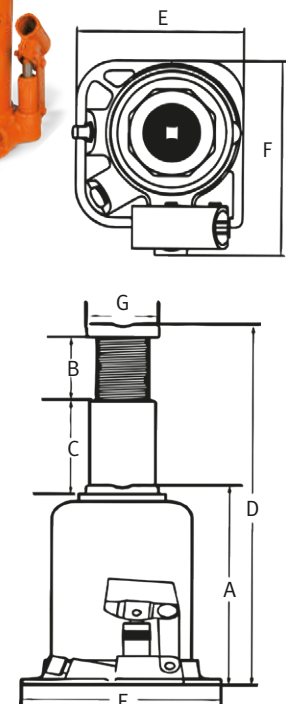


## HSWH-Pro series – Hydraulic bottle jacks for professional deployment

- ▶ Safety valve protects the cylinder against overload
- ▶ Inner safety valve prevents inadvertent adjustment
- ▶ Hard chrome-plated piston and adjusting screw with smooth surface for long service life
- ▶ Long galvanized lever for easy pumping
- ▶ Premium welds and extremely durable threaded joint for maximum leak-tightness
- ▶ Reinforced at points exposed to heavy loads
- ▶ Stop protection prevents over-extension and blocking of the jack
- ▶ Pump is doubly sealed to improve leak-tightness
- ▶ The extremely robust welded chassis is suitable for toughest permanent operation
- ▶ Rounded base ensures central load distribution



Model	HSWH-PRO 5	HSWH-PRO 10	HSWH-PRO 20	HSWH-PRO 30
Art. no.	6201015	6201016	6201017	6201018
<b>Technical specifications</b>				
Load-carrying capacity	5 t	10 t	20 t	30 t
Min. height (A)	212 mm	220 mm	241 mm	244 mm
Adjustment height (B)	110 mm	115 mm	115 mm	108 mm
Stroke (C)	146 mm	148 mm	165 mm	140 mm
Lift height (D)	468 mm	483 mm	521 mm	492 mm
Footprint (E x F)	110 mm x 112 mm	124 mm x 127.5 mm	165 mm x 161 mm	186 mm x 174 mm
Die Ø (G)	40 mm	48 mm	60 mm	65 mm
Dimensions (L x W x H)	110 x 112 x 212 mm	124 x 127.5 x 220 mm	165 x 161 x 241 mm	186 x 174 x 244 mm
Weight	4.9 kg	7.4 kg	13.1 kg	15.8 kg





# Hydraulic bottle jacks



## HSWH TOP series – Hydraulic bottle jack

- ▶ Extensible lifting column, tilt-roof baseplate
- ▶ Rotating pump toggle lever can be operated from any position
- ▶ Particularly durable thanks to reinforced walls
- ▶ Premium welds and threaded joint
- ▶ Extension screw provides extra height reach
- ▶ Stop protection prevents blocking of the jack
- ▶ Safety valves prevent overload of the cylinder and accidental adjustment



HSWH 5 TOP



HSWH 10 TOP



HSWH 15 TOP



HSWH 20 TOP



HSWH 30 TOP



2x extensible telescopic pump handle



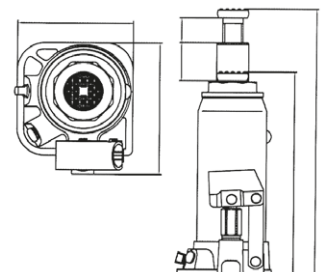
As of HSWH 20 TOP: Rotating carrying handle



The lifts can also be used horizontally



Rotating pump toggle lever can be operated from any position



### Scope of delivery:

- > Pump lever
- > Carrying handle (as of HSWH 20 TOP)

Model	HSWH 5 TOP	HSWH 10 TOP	HSWH 15 TOP	HSWH 20 TOP	HSWH 30 TOP
Art. no.	6211005	6211010	6211015	6211020	6211030

Technical specifications	HSWH 5 TOP	HSWH 10 TOP	HSWH 15 TOP	HSWH 20 TOP	HSWH 30 TOP
Load-carrying capacity	5 t	10 t	15 t	20 t	30 t
Min. height (A)	212 mm	219 mm	228 mm	234 mm	242 mm
Lift height (D)	437 mm	444 mm	453 mm	459 mm	467 mm
Stroke (B)	150 mm	150 mm	150 mm	150 mm	150 mm
Adjustment height (C)	75 mm	75 mm	75 mm	75 mm	75 mm
Footprint (E x F)	125 x 75 mm	144 x 90 mm	164 x 110 mm	172 x 120 mm	196 x 144 mm
Weight	4.5 kg	6.4 kg	8.8 kg	10.6 kg	15.5 kg

## PRW 450 – Car dollies

- ▶ Move vehicles with ease, including damaged, locked, or blocked vehicles
- ▶ For sideways movement or rotating on the spot
- ▶ With steeling rollers for optimum manoeuvring in cramped spaces, e.g., car dealerships or workshops



<b>Model</b>	<b>PRW 450</b>
Art. no.	6201599
<b>Technical specifications</b>	
Load-carrying capacity	900 kg/pair
Individual dimensions (L x W x H)	602 x 385 x 140 mm
Weight	9 kg/pc.
Scope of supply	2 roller dollies

## PV 681 – Hydraulic manoeuvring aid for cars

- ▶ For manoeuvring cars in cramped conditions
- ▶ Two manoeuvring aids for rotating a car about its own axis; for manoeuvring aids for full freedom of movement
- ▶ Convenient lifting of the vehicle using a foot pedal
- ▶ For use on flat floors indoors
- ▶ With steering rollers for best manoeuvring ability even in cramped rooms
- ▶ Rugged steel design, wheel holders made of aluminium



Application example

<b>Model</b>	<b>PV 681</b>
Art. no.	6201602

<b>Technical specifications</b>	
Load-carrying capacity	680 kg
Wheel holding rail (L x Ø)	270 x 70 mm
Distance to rail centre	340 - 620 mm
Distance to inside of rail	270 - 550 mm
Ground clearance	150 mm
Ground clearance rail top/bottom	36 / 106 mm
Weight	18 kg
Scope of supply	1 manoeuvring aid



## KR series – practical drive-on vehicle ramps for more safety when working and under the vehicle – easy to operate

### KR 2000

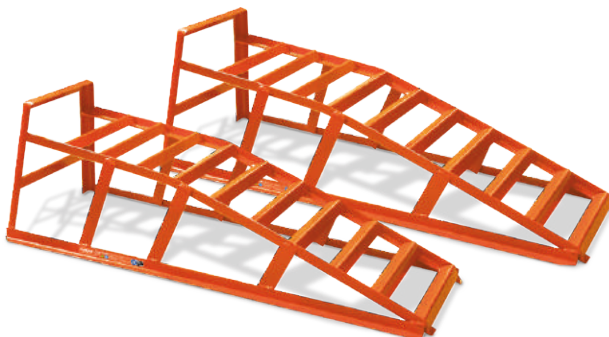
- ▶ Stable design
- ▶ Robust welded steel design
- ▶ Ramp width up to 185 mm

### KR 2001

- ▶ Stable design
- ▶ Robust welded steel design
- ▶ Ramp width up to 225 mm

### KR 2500

- ▶ Space-saving, stackable
- ▶ Plastic vehicle ramp
- ▶ Featuring extra-wide ramp width (240 mm)



KR 2000/ KR 2001



KR 2500

<b>Model</b>	<b>KR 2000</b>	<b>KR 2001</b>	<b>KR 2500</b>
Art. no.	6202000	6202001	6202005
<b>Technical specifications</b>			
Load-carrying capacity	2 t/pair	2 t/pair	2.5 t/pair
Max. tyre width	185 mm	225 mm	240 mm
Dimensions	830 x 310 x 270 mm	910 x 360 x 270 mm	900 x 295 x 220 mm
Weight	5.2 kg/pc.	7.9 kg/pc.	4 kg/pc.
Scope of supply	2 pcs.	2 pcs.	2 pcs.

# Hydraulic trolley jack/support stands

## RWH Series – Floor jacks

### RWH 2

- ▶ With cast iron load-bearing and steering rollers
- ▶ Short type
- ▶ Compact and stable
- ▶ Practical carrying handle

### RWH 2.5

- ▶ With cast iron load-bearing and steering rollers
- ▶ With upper part for extending the pad
- ▶ With second attachment point for lever: single stroke on the vehicle's jacking point thanks to QUICK LIFT function
- ▶ Easy lifting after moving the lever



▶ With practical holder for upper part at side



▶ Extensible pad facilitates work on the vehicle



Model	RWH 2	RWH 2.5
Art. no.	6201100	6201101
<b>Technical specifications</b>		
Load-carrying capacity	2 t	2.5 t
Min. clearance	130 mm	150 mm
Final height max.	345 mm	530 mm
Length	480 mm	680 mm
Width	220 mm	290 mm
height	150 mm	185 mm
Weight	9.6 kg	18 kg

## UB Series – Trestles

- ▶ Safeguard for working under the raised vehicle
- ▶ Robust welded design with V piston
- ▶ Wide feet: easy on the workshop floor, asphalt or other substrates
- ▶ UB 3000 adjustable in ten stages
- ▶ UB 6000 adjustable in 13 stages



**Scope of delivery:**  
▶ 2 support stands

Model	UB 3000	UB 6000
Art. no.	6201300	6201301
<b>Technical specifications</b>		
Load-carrying capacity	3 t/trestle	6 t/trestle
Min. height	288 mm	395 mm
Max. height	425 mm	605 mm
Latching stages	10	13
Footprint	225 x 205 mm	310 x 265 mm
Weight	7 kg/pair	13.2 kg/pair

## UBK Series - Folding trestles

- ▶ Safeguard for working under the raised vehicle
- ▶ Wide feet: easy on the substrate



**Scope of delivery:**  
▶ 2 support stands

Model	UBK 3000
Art. no.	6201305
<b>Technical specifications</b>	
Load-carrying capacity	3 t/trestle
Min. height	285 mm
Max. height	400 mm
Latching stages	4
Footprint	240 x 240 mm
Weight	4 kg/pair



**SRWH 2500 EF**



► **Flat design:** Floor jack specially designed for suspension lowered and sports vehicles with a minimum ground clearance of just 85 mm

**SRWH 3000 QL**



**QUICK LIFT function**  
► with a single push of the pedal at the vehicle's jacking point

## SRWH Series – Special floor jacks

### SRWH 2500 EF, SRWH 3001 EF, SRWH 3000 QL

- Two-part pump lever with rubber handle for safe and easy lifting of loads
- Valve control via rotating pump lever
- With cast iron load-bearing and steering rollers
- Extra-wide support pad surface



**SRWH 2500 EF**

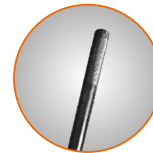
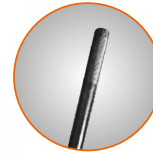


**SRWH 3001 EF**



**SRWH 3000 QL**

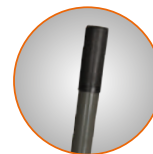
► Turn to lower



**With dual piston**

- Less pumping actions needed to max. height

► Turn to lower



Model	Extra flat! SRWH 2500 EF	Extra flat! SRWH 3001 EF	SRWH 3000 QL
Art. no.	6201102	6201117	6201103
<b>Technical specifications</b>			
Load-carrying capacity	2.5 t	3 t	3 t
Max. lift height	370 mm	430 mm	355 mm
Min. clearance	85 mm	90 mm	145 mm
Underside clearance max.	174 mm	150 mm	180 mm
Final height max.	455 mm	520 mm	500 mm
Dimensions	640 x 342 x 174 mm	720 x 380 x 150 mm	685 x 346 x 180 mm
Inside width	266 mm	290 mm	270 mm
Outside width	342 mm	380 mm	346 mm
Max. length	1 600 mm	1 955 mm	1 640 mm
Weight	34.8 kg	43 kg	38 kg



# Floor jacks

## RWHA Series – Aluminium floor jacks Light models for flat, sports vehicles

- ▶ Very flat, designed specifically with vehicles with lowered suspension
- ▶ Valve control via interior rods and rotary button on pump lever
- ▶ Slow, safe lowering under load
- ▶ Convenient and easy lifting thanks to hydraulics and long lever
- ▶ Two practical aluminium handles at sides

### RWHA 1500

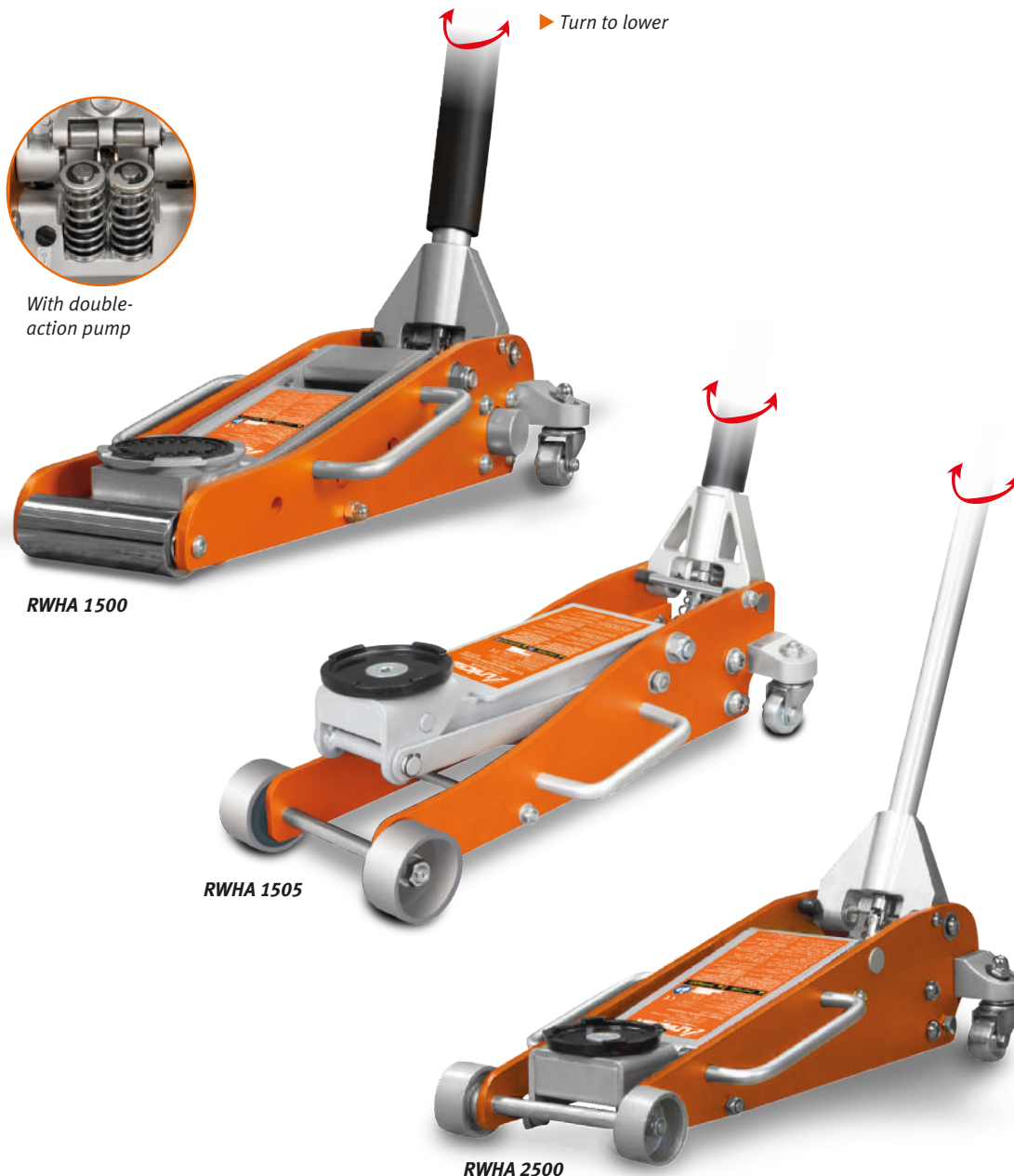
- ▶ Lightweight, robust aluminium design
- ▶ With stable load roller
- ▶ Rubber mat protects pad and vehicle

### RWHA 2500

- ▶ Robust aluminium and steel construction
- ▶ QUICK LIFT function: reaches max. height with just 7 pump strokes



With double-action pump



Long lever with premium handle for lowering

Model	RWHA 1500	RWHA 1505	RWHA 2500
Art. no.	6201106	6201110	6201109
<b>Technical specifications</b>			
Load-carrying capacity	1.5 t	1.5 t	2.5 t
Min. clearance	85 mm	85 mm	100 mm
Final height max.	445 mm	375 mm	465 mm
Length	660 mm	576 mm	650 mm
Width	294 mm	250 mm	292 mm
height	170 mm	154 mm	170 mm
Weight	19.5 kg	18.5 kg	26.4 kg

## SRWH 3001 SIL – Special floor jacks

- ▶ Safe and easy lifting of the load thanks to two-part pump lever with rubber handle
- ▶ Extra-wide support pad surface
- ▶ Valve control via rotating pump lever
- ▶ Fewer pumping actions needed to max. final height thanks to double piston



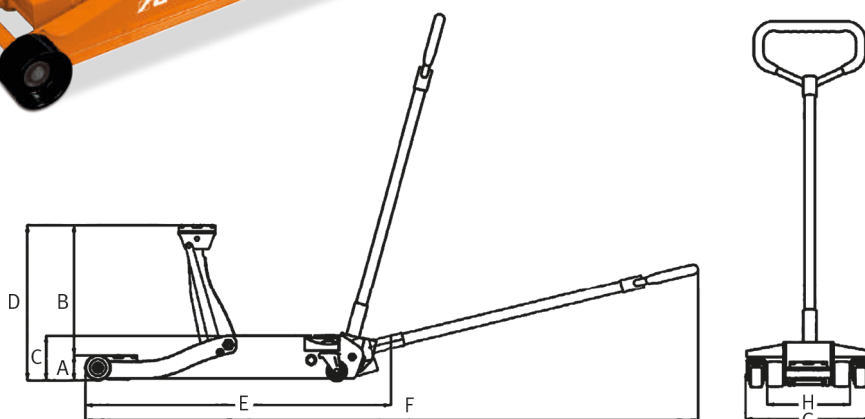
▶ Turn to lower



▶ Equipped with low-noise polyurethane rollers

Model	SRWH 3001 SIL
Art. no.	6201121

Technical specifications	
Load-carrying capacity	3.0 t
Max. lifting height (B)	340 mm
Min. clearance (A)	120 mm
Underside clearance max. (C)	158 mm
Final height max. (D)	460 mm
Dimensions (E x G x B)	628 x 343 x 158 mm
Outside width (G)	343 mm
Max. length (F)	1 756 mm
Weight	31.5 kg



## SRWH LFH series – Special floor jack with double piston, flat design and high final height

- ▶ With extra-low pad profile for suspension-lowered vehicles
- ▶ Particularly well-suited for long frame parts due to extra-long design
- ▶ Less pumping actions needed to max. height thanks to double piston
- ▶ Easy lifting up to jacking point via foot pedal or hand lever
- ▶ Slow, safe lowering under load
- ▶ Large support pad with rubber mat protects the jacking point and vehicle

Model	SRWH 2500 LFH	SRWH 3000 LFH
Art. no.	6201126	6201127

Technical specifications		
Load-carrying capacity	2.5 t	3.0 t
Max. lift height	425 mm	470 mm
Min. clearance	75 mm	110 mm
Final height max.	500 mm	580 mm
Dimensions	685 x 344 x 150 mm	805 x 355 x 172 mm
Weight	32.4 kg	48.5 kg



## SRWH 2000 LF DS – Special floor jack with double piston

- ▶ With stable roller-shaped PU roller tyres for extra smooth action
- ▶ Very flat, suitable for vehicles with lowered suspension
- ▶ Valve control via interior rods and rotary button on pump lever
- ▶ Slow, safe lowering under load
- ▶ Convenient and easy lifting thanks to hydraulics and long lever
- ▶ Rubber mat protects pad and vehicle
- ▶ Wide support pad surface

Model	SRWH 2000 LF DS
Art. no.	6201125

Technical specifications	
Load-carrying capacity	2.0 t
Max. lift height	430 mm
Min. clearance	70 mm
Final height max.	500 mm
Dimensions (L x W x H)	822 x 360 x 214 mm
Weight	43 kg



# Special floor jacks

## SRWH-PRO series – Special floor jacks for professional deployment

- ▶ Robust frame design
- ▶ Compact and space-saving
- ▶ Large rubber support pad for best possible safety when lifting loads
- ▶ Rapid centring of the load thanks to the lifting pad shape
- ▶ Load-bearing and steering rollers made of plastic for low-noise positioning
- ▶ Safety valve triggers lifting bar idle position in case of overload - lifting height is kept
- ▶ Two-part pump lever with rubber handle for safe and easy lifting of loads
- ▶ Valve control via rotating pump lever

<b>Model</b>	<b>SRWH-PRO 2000</b>
Art. no.	6201115

<b>Technical specifications</b>	
Load-carrying capacity	2 t
Ground clearance	130 mm
Lift height	405 mm
Dimensions (L x W x H)	760 x 480 x 200 mm
Weight	33.5 kg



## SRWH 22 TOP – Portable hydraulic trolley jack for professional applications



- ▶ Extra-low pad profile for suspension-lowered and low-riding sports vehicles
- ▶ Easy lifting up to jacking point via foot pedal or hand lever
- ▶ Safety valve triggers shifts lifting bar to idle position in case of overload
- ▶ Protects the jacking point and vehicle thanks to large support plates with rubber mats
- ▶ Mechanical protection system prevents accidental lowering
- ▶ Slow and safe lowering under load
- ▶ Valve control via rotating pump lever
- ▶ Fast lifting with dual-action pump
- ▶ Rollers made of plastic for low-noise positioning
- ▶ Practical integrated tool tray



Can be transported upright. **Patented!**

<b>Model</b>	<b>SRWH 22 TOP</b>
Art. no.	6213022

<b>Technical specifications</b>	
Load-carrying capacity	2 t
Min. clearance	92 mm
Final height max.	410 mm
Dimensions (L x W x H)	616 x 200 x 136 mm
Weight	19 kg



Height-adjustable telescopic handle includes all functions: lifting, lowering and transport. **Patented!**



## SRWH TOP series – Special floor jack for professional applications

- ▶ Rugged, compact and space-saving design
- ▶ With low pad profile for suspension-lowered vehicles
- ▶ Large support pad with rubber mat protects the jacking point and vehicle
- ▶ Rapid centring of the load thanks to the lifting pad shape
- ▶ Easy lifting up to jacking point via foot pedal or hand lever
- ▶ Load-bearing and steering rollers made of plastic for low-noise positioning
- ▶ Safety valve triggers lifting bar idle position in case of overload - lifting height is kept
- ▶ Slow and safe lowering under load
- ▶ Practical integrated tool tray
- ▶ Valve control via rotating pump lever



Mechanical protection system prevents accidental lowering



① Patented foot pedal triggers the mechanical protection system meaning that the lifts do not need support stands (**PATENTED!**)

② Easy lifting up to jacking point via foot pedal

SRHW 20 TOP

Model	SRHW 20 TOP	SRHW 30 TOP
Art. no.	6213020	6213030
<b>Technical specifications</b>		
Load-carrying capacity	2 t	3 t
Min. clearance	90 mm	90 mm
Final height max.	470 mm	470 mm
Dimensions (L x W x H)	905 x 270 x 135 mm	905 x 270 x 135 mm
Weight	32.5 kg	36 kg



# Special floor jacks

## Series WWH – Special floor jacks Pneumatic-hydraulic workshop jacks

- ▶ Controlled, safe lifting and lowering
- ▶ For operation with compressed air from an external source
- ▶ Hard chrome-plated piston with extra-smooth surface
- ▶ Compact design
- ▶ With stable rollers made of PU coated cast iron
- ▶ T-handle for ease of manoeuvring
- ▶ With practical carrying handle on housing
- ▶ The two cast iron top sections can be used individually or connected one on top of the other to extend the lift reach.



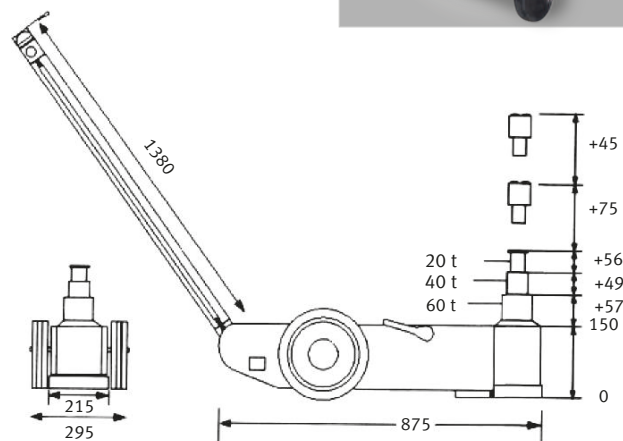
▶ Intuitive safety rotary button control with compressor coupling



**!** For matching compressors see the main Aircraft catalogue, or visit [www.aircraft-kompressoren.com](http://www.aircraft-kompressoren.com)



**Scope of delivery:**  
Cast iron top section 45 mm  
Cast iron top section 75 mm



**WWH 60000 PH Dimensions and load-bearing capacity**

Model	<b>New</b> WWH 50002 PH	<b>New</b> WWH 40003 PH	WWH 60000 PH
Art. no.	6201130	6201131	6201112
<b>Technical specifications</b>			
Load-bearing capacity (lower lifting height)	50 t	40 t	60 t
Load-bearing capacity (medium lifting height)	25 t	20 t	40 t
Load-bearing capacity (lower lifting height)	–	10 t	20 t
Lifting height (upper lifting height)	–	<b>10 t:</b> 284 mm	<b>20 t:</b> 312 mm
Lifting height (middle lifting height)	<b>25 t:</b> 444 mm	<b>20 t:</b> 231 mm	<b>40 t:</b> 256 mm
Lifting height (lower lifting height)	<b>50 t:</b> 330 mm	<b>40 t:</b> 182 mm	<b>60 t:</b> 207 mm
Height of top sections	73 + 80 mm	75 + 45 mm	75 + 45 mm
Ground clearance	215 mm	125 mm	150 mm
Dimensions (L x W x H)	805 x 282 x 190 mm	830 x 295 x 125 mm	875 x 295 x 1 530 mm
Weight	73 kg	44 kg	64 kg
Operating pressure	9 - 12 bar	9 - 12 bar	8 - 12 bar



# Assembly aid

# Workshop presses

## WPP Series – Hydraulic workshop presses

- ▶ Ideal for versatile use in trades and for repairs in schools, training workshops, garages, workshops, farms, forestry and landscape gardening

- ▶ The series' rational design guarantees best-possible value for money
- ▶ More space to work thanks to press cylinder with factory-standard integrated return spring

- ▶ Fully H&S compliant: piston can be stopped in any position

### WPP 10 TE

- ▶ Low-height table press
- ▶ Three-stage height-adjustable press bench with locking bolts
- ▶ Press force display via manometer, piston feed via hydraulic hand pump

### WPP 15 E

- ▶ Robust welded frame with perforations: press bench 10x height-adjustable with locking bolts
- ▶ Piston stroke alternatively by hydraulic manual pump or foot pedal
- ▶ Cylinder laterally translatable

### WPP 20 E

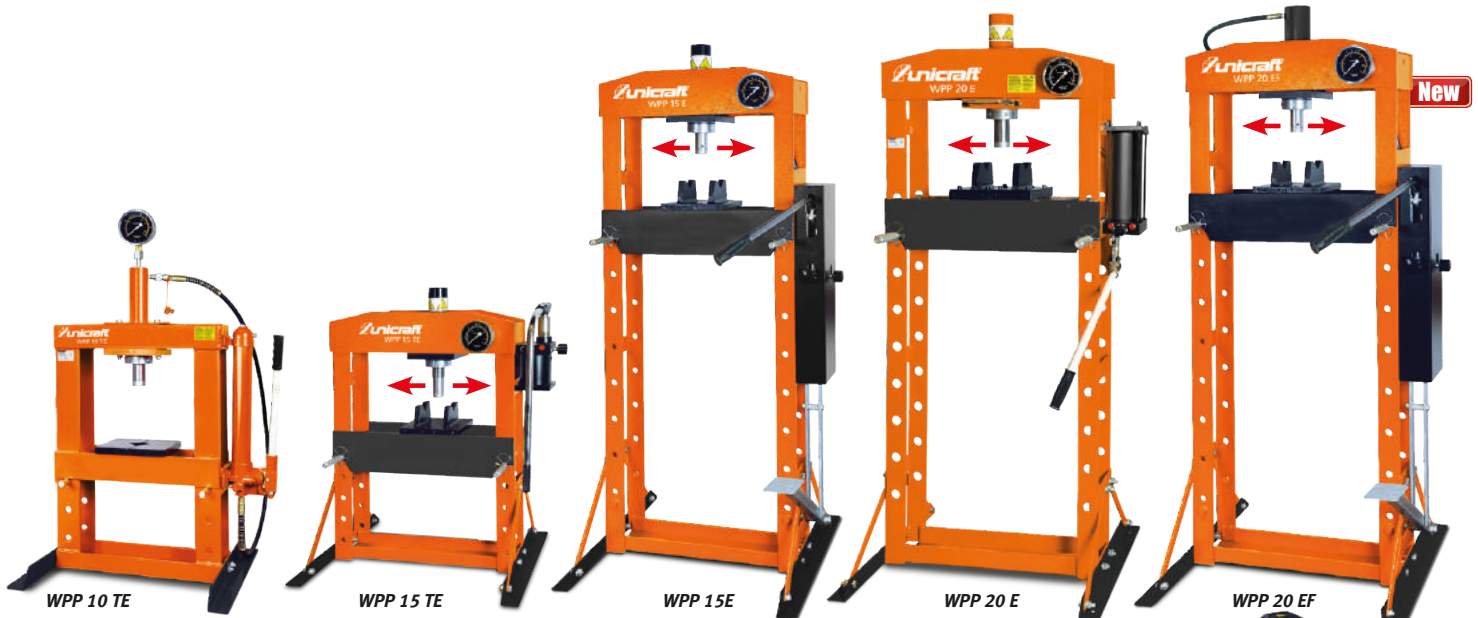
- ▶ Robust welded frame with perforations: press bench 10x height-adjustable with locking bolts
- ▶ Piston advance via manual hydraulic pump
- ▶ Pressing pressure displayed on pressure gauge
- ▶ Cylinder laterally translatable

### WPP 15 TE

- ▶ Low-height table press
- ▶ Three-stage height-adjustable press bench with locking bolts
- ▶ Pressing pressure displayed on pressure gauge
- ▶ Piston advance via manual hydraulic pump
- ▶ Cylinder laterally translatable

### WPP 20 EF New

- ▶ Piston stroke alternatively by hydraulic manual pump or foot pedal



### Accessories



**Model** Pressure mandrel set 8-part for all Unicraft workshop presses with perforated plate up to max. 20 t  
**Art. no.** 6300001



### Grip guard Art. no.

for WPP 20 E/  
WPP 20 EF 6300002  
 for WPP 30 E/  
WPP 30 EF 6300003



200 l/min filling performance is required for operating a WPP

Available from 11/2018

Model	WPP 10 TE	WPP 15 TE	WPP 15 E	WPP 20 E	New	WPP 20 EF	WPP 30 E
Art. no.	6300011	6300015	6300016	6300020		6300021	6300030

Technical specifications	WPP 10 TE	WPP 15 TE	WPP 15 E	WPP 20 E	WPP 20 EF	WPP 30 E
Press force	10 t	15 t	15 t	20 t	20 t	30 t
Piston diameter	40 mm			48 mm	48 mm	70 mm
Foot width x depth (AxB)	570 x 495 mm	700 x 540 mm	700 x 560 mm	730 x 560 mm	730 x 560 mm	795 x 700 mm
Height (C)	1 058 mm	965 mm	1 616 mm	1 625 mm	1 626 mm	1 800 mm
Clear width (D)	340 mm	500 mm	500 mm	510 mm	510 mm	535 mm
Installation height (E-F)	194 - 364 mm	157 - 457 mm	173 - 985 mm	38.5 - 918.5 mm	38 - 918 mm	150 - 1 030 mm
Piston stroke	175 mm	160 mm	160 mm	186.5 mm	185 mm	150 mm
Piston travel (G)	–	169 mm	169 mm	176 mm	179 mm	200 mm
Operating pressure compressed air	–	–	–	–	–	7.5 - 8.5 bar
Weight	54.7 kg	75.5 kg	91.5 kg	105 kg	112 kg	171 kg



### WPP 30 E

- ▶ Robust welded frame with perforations: press bench 10x height-adjustable with locking bolts
- ▶ With laterally translatable cylinder
- ▶ Pressing pressure displayed on pressure gauge
- ▶ Piston stroke alternatively by hydraulic manual pump or pneumatic foot pedal

### WPP 30 EF New

- ▶ Piston stroke alternatively by hydraulic manual pump or foot pedal

### WPP 50 E

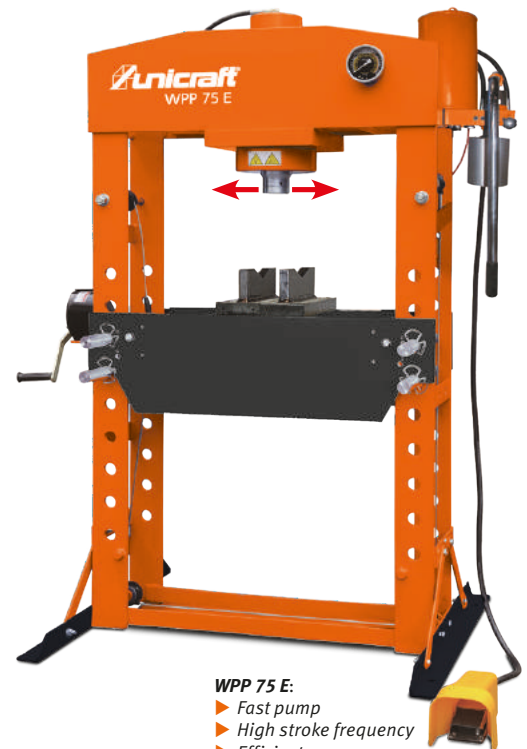
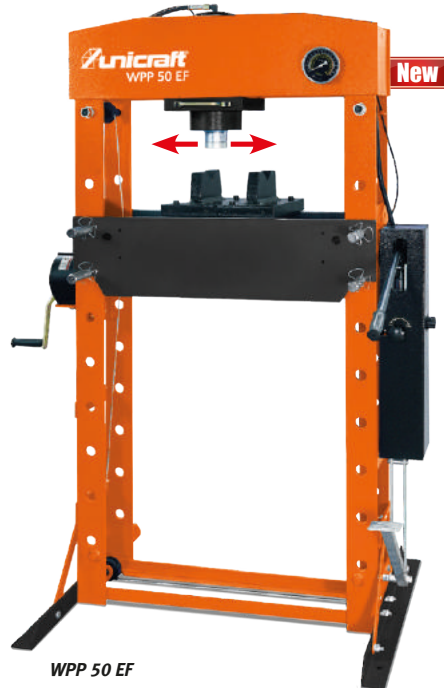
- ▶ Robust welded frame with perforations: press bench 8x height-adjustable with locking bolts
- ▶ With laterally translatable cylinder
- ▶ Pressing pressure displayed on pressure gauge
- ▶ Piston stroke alternatively by hydraulic manual pump or pneumatic foot pedal

### WPP 50 EF New

- ▶ Piston stroke alternatively by hydraulic manual pump or foot pedal

### WPP 75 E

- ▶ 9x height-adjustable press bench with locking bolts
- ▶ Two-stage manual hydraulic pump
- ▶ With laterally translatable cylinder
- ▶ Pressing pressure displayed on pressure gauge
- ▶ Piston stroke alternatively by hydraulic manual pump or pneumatic foot pedal



Accessories	Grip guard	Art. no.
	for WPP 50 E/ WPP 50 EF	6300004
	for WPP 75 E	6300005

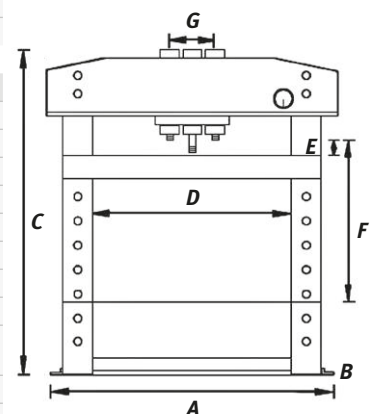
Available from 11/2018

Available from 11/2018

For more professional, hydraulic workshop presses, see our **Metallkraft catalogue** and visit: [www.metallkraft.de](http://www.metallkraft.de)



Model	<span style="background-color: red; color: white; padding: 2px;">New</span> WPP 30 EF	WPP 50 E	<span style="background-color: red; color: white; padding: 2px;">New</span> WPP 50 EF	WPP 75 E
Art. no.	6300031	6300050	6300051	6300075
<b>Technical specifications</b>				
Press force	30 t	50 t	50 t	75 t
Piston diameter	70 mm	75 mm	75 mm	93 mm
Foot width x depth (AxB)	795 x 700 mm	1 030 x 800 mm	1 030 x 800 mm	1 140 x 800 mm
Height (C)	1 830 mm	1 877 mm	1 877 mm	1 925 mm
Inside width (D)	535 mm	730 mm	730 mm	800 mm
Work area (E-F)	151 - 1 031 mm	69 - 1 048 mm	68 - 1 048 mm	170 - 884 mm
Piston stroke	150 mm	200 mm	200 mm	250 mm
Piston travel (G)	200 mm	245 mm	245 mm	260 mm
Operating pressure compressed air	–	7.5 - 8.5 bar	–	7.5 - 8.5 bar
Weight	167 kg	302.5 kg	300 kg	451 kg



# Workshop presses

**WPP TOP series** – Hydraulic workshop presses. New series with heavy-duty design!



- ▶ Ideal for versatile use in trades and for repairs in schools, training workshops, garages, workshops, farms, forestry and landscape gardening
- ▶ The series' rational design guarantees best-possible value for money
- ▶ More space to work thanks to press cylinder with factory-standard integrated return spring
- ▶ Patented guide system guarantees optimal positioning of the prism blocks
- ▶ Height-adjustable press bench with locking bolts
- ▶ Pressing pressure displayed on pressure gauge
- ▶ With catchment container
- ▶ Laterally translatable cylinder with scale display (**except WPP 15 TH TOP**)

**WPP 15 TH TOP**

- ▶ Low-height bench-top model
- ▶ With manual pump

**WPP 30 BPH TOP**

- ▶ Piston advance via hydraulic pump

**WPP 30 BPHF TOP**

- ▶ Piston stroke by hydraulic manual pump or pneumatic foot pedal

Letter:	Meaning:
T	Bench-top model
H	Manual pump
B	Moving cylinder
P	Pneumatics
F	Foot pedal



Practical storage compartment in base



Patented guide system guarantees optimal positioning of the prism blocks



**WPP 15 TH TOP**



**WPP 30 BPH TOP**

**Scope of delivery WPP 15 TH TOP:**

- 1 pair of prism blocks
- Storage compartment in base

**Scope of delivery WPP 30 BPH TOP:**

- 1 pair of prism blocks
- Storage compartment in base
- Winch for lifting and lowering the table

**Scope of delivery WPP 30 BPHF TOP:**

- 1 pair of prism blocks
- Storage compartment in base
- Winch for lifting and lowering the table

Model	WPP 15 TH TOP	WPP 30 BPH TOP	WPP 30 BPHF TOP
Art. no.	6320015	6320130	6320131

Technical specifications	WPP 15 TH TOP	WPP 30 BPH TOP	WPP 30 BPHF TOP
Operation	Manual pump	Manual pump	Manual pump/Foot pedal
Press force	15 t	30 t	30 t
Piston Ø	44.5 mm	57.5 mm	57.5 mm
Foot width x depth	350 mm	490 mm	490 mm
height	800 mm	1 900 mm	1 900 mm
Clear height	45 – 338 mm	84 – 770 mm	84 – 770 mm
Frame depth	142 mm	162 mm	162 mm
Piston stroke	95 mm	120 mm	120 mm
Piston travel	75 mm	75 mm	75 mm
Operating pressure compressed air	-	-	7 - 10 bar
Weight	48 kg	147 kg	147 kg

Accessories	WPP 15 TH TOP	WPP 30 BPH TOP	WPP 30 BPHF TOP	Art. no.
Pressure mandrel set 7-part	X	X	X	6329000
Storage compartment		X	X	6329001
Protection device		X	X	6329002

**WPP 50 BPH TOP**

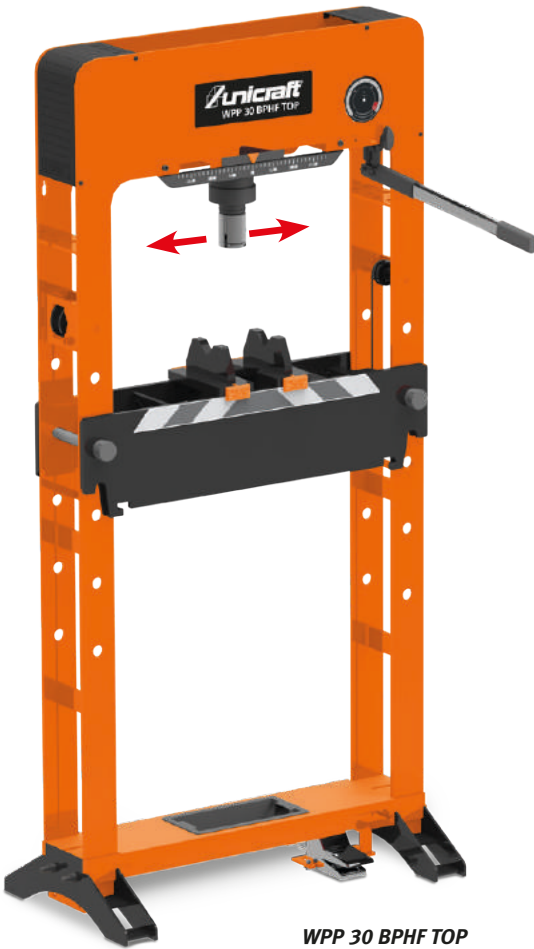
- ▶ Piston advance via hydraulic pump

**WPP 50 BPHF TOP**

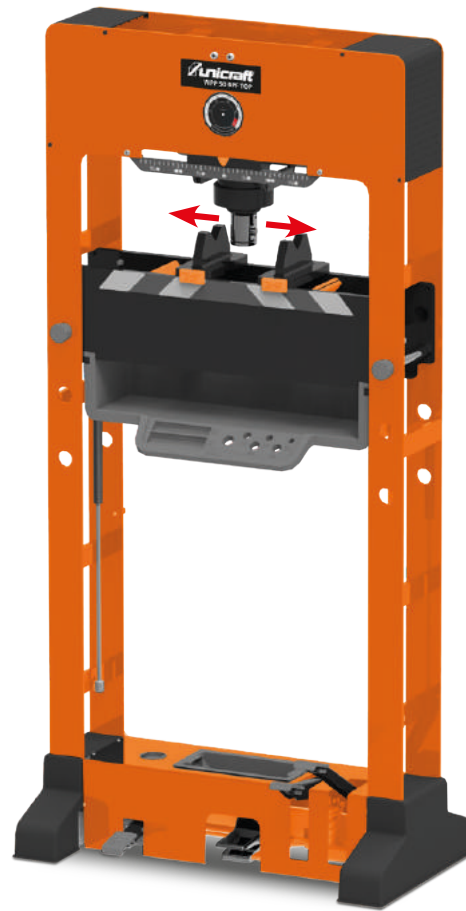
- ▶ Piston stroke by hydraulic manual pump or pneumatic foot pedal

**WPP 50 BPF TOP**

- ▶ Piston stroke alternatively by hydraulic manual pump or pneumatic foot pedal
- ▶ All functions can be operated via foot pedal



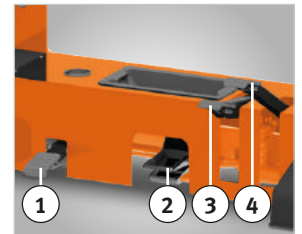
WPP 30 BPHF TOP



WPP 50 BPF TOP with optional storage tray



Laterally translatable cylinder with scale display



- 1) Venting pedal
- 2) Pneumatic control pedal
- 3) Pedal for fast start-up
- 4) Pressure pedal



Large removable storage tray

Scope of delivery WPP 50 BPH TOP:
1 pair of prism blocks
Storage compartment in base
Winch for lifting and lowering the table

Scope of delivery WPP 50 BPHF TOP:
1 pair of prism blocks
Storage compartment in base
Winch for lifting and lowering the table

Scope of delivery WPP 50 BPF TOP:
1 pair of prism blocks
Storage compartment in base
Wide storage tray for mounting on the bench

Model	WPP 50 BPH TOP	WPP 50 BPHF TOP	WPP 50 BPF TOP
Art. no.	6320150	6320151	6320250
<b>Technical specifications</b>			
	Manual pump	Manual pump/Foot pedal	Foot pedal
Press force	50 t	50 t	50 t
Piston Ø	76.2 mm	76.2 mm	76.2 mm
Foot width x depth	490 mm	490 mm	490 mm
height	1 900 mm	1 900 mm	1 920 mm
Clear height	84 – 770 mm	84 – 770 mm	80 – 465 mm
Frame depth	162 mm	162 mm	211 mm
Piston stroke	120 mm	120 mm	120 mm
Piston travel	75 mm	75 mm	75 mm
Operating pressure compressed air	-	7 - 10 bar	7 - 10 bar
Weight	191 kg	191 kg	225 kg



Protection device

Accessories	WPP 50 BPH TOP	WPP 50 BPHF TOP	WPP 50 BPF TOP	Art. no.
Pressure mandrel set 7-part	X	X		6329000
Storage compartment	X	X		6329001
Protection device	X	X	X	6329002

# Automotive aids

## MMB 505 – Engine mounting gantry

- ▶ For holding and lifting engines via two adjustable load spindles
- ▶ Suitable for transverse and straight engines
- ▶ Two safety chains included in scope of delivery
- ▶ Swivelling support feet, latching with two rotary knobs

<b>Model</b>	<b>MMB 505</b>
Art. no.	6201705
<b>Technical specifications</b>	
Load-carrying capacity	500 kg
Spindle stroke	250 mm
Distance between feet	730 - 1 480 mm
Dimensions (L x W x H)	1 540 x 150 x 110 mm
Weight	17.5 kg



## MP 680 – Engine positioner

- ▶ For engine fitting/removal in combination with workshop cranes, or similar
- ▶ Quickly find centre of gravity thanks to practical crank and worm gear
- ▶ Four stable chains as practical attachment options
- ▶ Handy thanks to light weight

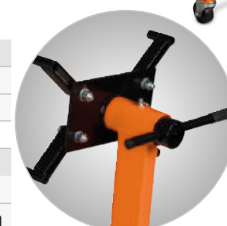
<b>Model</b>	<b>MP 680</b>
Art. no.	6201701
<b>Technical specifications</b>	
Load-carrying capacity	680 kg
Dimensions (L x W x H)	445 x 65 x 190 mm
Weight	5.5 kg



## MMB 450 – Engine assembly trestle

- ▶ With steering rollers for best manoeuvring ability
- ▶ Adjustable in five stages up to 450 kg load-bearing capacity

<b>Model</b>	<b>MMB 450</b>
Art. no.	6201400
<b>Technical specifications</b>	
Max. load-bearing capacity	450 kg
Dimensions (L x W x H)	870 x 195 x 190 mm
Weight	21 kg



With lever on rear

## HKRS 1001 – Hydraulic body straightening set

- ▶ Hydraulic set in rugged plastic case with rollers
- ▶ Compact package: portable, compact and practical

### Scope of supply:

- › Manual pump with hose
- › Foot with rubber caps
- › Adapter bolt with thread
- › Extension tube set
- › Corrugated support plate
- › Pressure cylinder
- › Spreader
- › Rubber head
- › 90° V support
- › Transport case with rollers (910 x 405 x 180 mm)

<b>Model</b>	<b>HKRS 1001</b>
Art. no.	6201205
<b>Technical specifications</b>	
Press force	10 t
Cylinder stroke	130 mm
Weight	31.5 kg





## WK 2000 – folding engine cranes with spread chassis

- ▶ Crane boom 4x adjustable, load-bearing capacity depending on outreach
- ▶ With steering rollers for maximum flexibility even under load
- ▶ Space-saving storage thanks to folding tubular feet
- ▶ Easy to assemble and knock down

### Equipment details WK 2000

- ▶ Chain with safety hook on boom



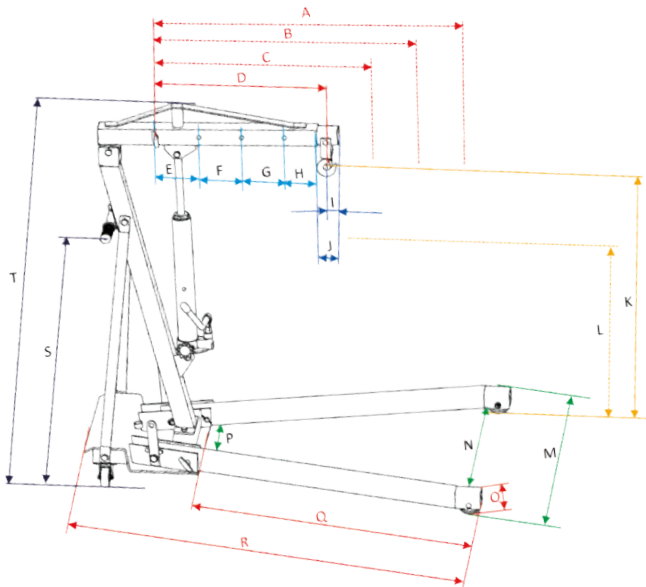
Fig. shows WK 2000 with engine positioner MP 680 (MP 680 not included in scope of supply)



All three models fold

### WK 1000 LP and 2001 LP

- ▶ Pump lever rotates through 360° – easy operation from three sides
- ▶ Particularly low underside clearance



Technical specifications	WK 2000	WK 1000 LP	WK 2001 LP
A Lifting boom length stage 1	1 275 mm	957 mm	1 200 mm
B Lifting boom length stage 2	1 095 mm	847 mm	1 030 mm
C Lifting boom length stage 3	915 mm	737 mm	860 mm
D Lifting boom length stage 4	735 mm	627 mm	690 mm
E, F, G Hole spacing	180 mm	110 mm	170 mm
H Distance between last hole and end of profile (crane boom)	130 mm	220 mm	100 mm
I Extensible profile from start to middle hook	45 mm	45 mm	30 mm
J Extensible profile from start to start of crane boom when retracted	110 mm	122 mm	110 mm
K Max. lifting height	2 300 mm	2 065 mm	2 370 mm
L Lifting height min.	25 mm	25 mm	25 mm
m Exterior dimensions front (overall width)	1 039 mm	1 020 mm	1 115 mm
n Interior dimensions front	897 mm	848 mm	920 mm
O Ground clearance	190 mm	100 mm	125 mm
P Interior dimensions rear	423 mm	291 mm	360 mm
Q Length of chassis inside	1 299 mm	1 178 mm	1 155 mm
R Total length	1 766 mm	1 517 mm	1 605 mm
S Grip height	1 250 mm	1 017 mm	1 042 mm
T Max. overall height	1 580 mm	1 442 mm	1 520 mm

### Scope of delivery WK 2000:

- ▶ 6 steering rollers
- ▶ Chain with safety hook

### Scope of delivery WK 1000 LP:

- ▶ 2 steering rollers
- ▶ 2 fixed rollers
- ▶ Safety hook

### Scope of delivery WK 2001 LP:

- ▶ 2 steering rollers
- ▶ 2 fixed rollers
- ▶ Safety hook

Model	WK 2000	WK 1000 LP	WK 2001 LP
Art. no.	6201401	6201405	6201406

Technical specifications	WK 2000	WK 1000 LP	WK 2001 LP
Load-carrying capacity	0.5 t / 1 t / 1.5 t / 2 t	0.25 t / 0.5 t / 0.75 t / 1 t	0.5 t / 1 t / 1.5 t / 2 t
Lifting boom lengths	735 / 915 / 1095 / 1275 mm	627 / 737 / 847 / 957 mm	690 / 860 / 1 030 / 1 200 mm
Dimensions (L x W x H)	1 766 x 1 039 x 1 580 mm	1 517 x 1 020 x 1 442 mm	1 605 x 1 115 x 1 520 mm
Dimensions folded (L x W x H)	850 x 736 x 1 610 mm	450 x 508 x 1 445 mm	592 x 630 x 1 480 mm
Weight	111.5 kg	68.9 kg	97 kg

# Workshop cranes



## WK TOP – Engine crane; WKP TOP – Workshop crane for pallets

- ▶ Fold away easily for space-saving storage
- ▶ Hydraulic pump with user-friendly, rotating pump lever

- ▶ Precise lowering of the load thanks to dead-man control
- ▶ Maximum manoeuvrability also under load, thanks to steering rollers and foot pedal
- ▶ Low-noise rollers made of polyamide, gentle on floors

- ▶ Practical plastic guards prevent damage to the chassis and goods
- ▶ User-friendly and fast adjustment of the crane boom thanks to patented mechanism



The new position of the steering rollers also for excellent manoeuvrability. **Patented!**



Pushbutton for fast position change of extensible boom with scale. **Patented!**



**WK 1 TOP:**  
Spread chassis with low underside clearance:



Folds away easily

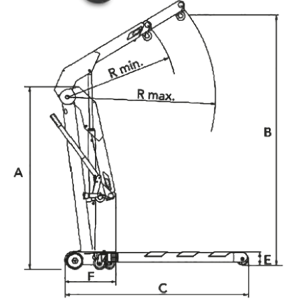
WK 1 TOP

WK 1 TOP

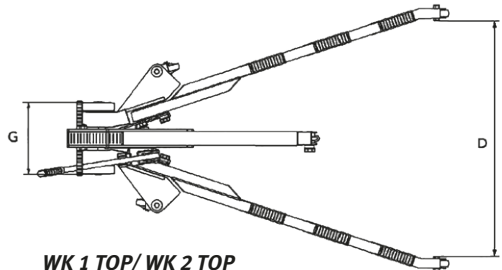


**WK 2 TOP:**  
Spread chassis with low underside clearance:

WK 2 TOP:



Model	WK 1 TOP	WK 2 TOP:
Art. no.	6214001	6214003
<b>Technical specifications</b>		
Load-carrying capacity	0.7 t / 0.8 t / 0.9 t / 1.0 t	1.25 t / 1.5 t / 1.75 t / 2.0 t
Boom length depending on outreach	2 200/1 305/1 190/1 175 mm	1 650/1 500/1 350/1 200 mm
Max. lifting height (B)	550 – 2 200 mm	2460 mm
Overall length (C)	1 525 mm	1 920 mm
Interior dimensions front (D)	970 mm	1 080 mm
Underside clearance (E)	112 mm	150 mm
Chassis width (G)	540 mm	700 mm
Boom length min. (R <sub>min</sub> )	960 mm	1 200 mm
Boom length max. (R <sub>max</sub> )	1 300 mm	1 610 mm
Dimensions folded away (L x W x H (A))	550 x 610 x 1 580 mm	1 920 x 1 284 x 1 740 mm
Weight	81 kg	140 kg



WK 1 TOP/ WK 2 TOP



Hydraulic and rotating pump lever  
Maximum lowering precision thanks to dead-man switch



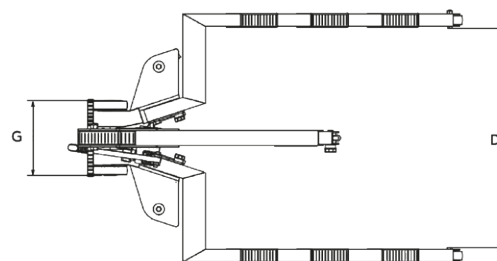
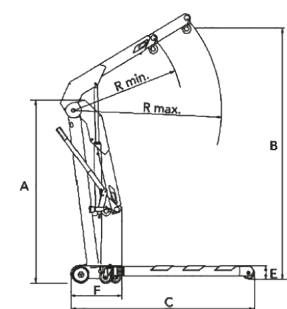
Double tubular legs for more stability, strength and improved accessibility



**WKP TOP:** U-shaped, parallel chassis for moving around Euro pallets



Folds away easily



Model	WKP 1 TOP	WKP 2 TOP
Art. no.	6214002	6214004
<b>Technical specifications</b>		
Load-carrying capacity	0.7 t / 0.8 t / 0.9 t / 1.0 t	1.25 t / 1.5 t / 1.75 t / 2.0 t
Boom length depending on outreach	2 200/1 305/1 190/1 175 mm	1 650/1 500/1 350/1 200 mm
Max. lifting height (B)	2 200 mm	2 460 mm
Overall length (C)	1 580 mm	1 750 mm
Interior dimensions front (D)	860 mm	1 080 mm
Underside clearance (E)	140 mm	150 mm
Chassis width (G)	300 mm	300 mm
Boom length min. (R <sub>min</sub> )	1 175 mm	1 200 mm
Boom length max. (R <sub>max</sub> )	2 200 mm	1 610 mm
Dimensions folded away (L x W x H (A))	550 x 880 x 1 580 mm	1 750 x 1 245 x 1 740 mm
Weight	92 kg	145 kg

WKP 1 TOP/WKP 2 TOP

# Gearbox hoists

## GH Series – Hydraulic gearbox lift, infinitely height-adjustable

- ▶ Ideal for fitting and removing gearboxes, axles and exhaust systems, and for all other service and maintenance work
- ▶ Lifting by means of a hydraulic, continuously height-adjustable foot pump that allows for free work or holding with the hands at the same time
- ▶ The load is lowered by means of a hand-held controller
- ▶ With 4 steering rollers for easy manoeuvring
- ▶ PRO types for professional use
- ▶ Gearbox lift GH 1500 PRO suitable for working on commercial vehicles



Model	GH 505	GH 600 PRO	GH 1500 PRO
Art. no.	6201410	6201403	6201404

Technical specifications			
Load-carrying capacity	500 kg	600 kg	1 500 kg
Length (A)	610 mm	500 mm	524 mm
Width (B)	610 mm	510 mm	510 mm
Min. height (C)	1 240 mm	1 180 mm	1 195 mm
Max. height (D)	2 050 mm	1 950 mm	1 985 mm
Weight	40 kg	34 kg	55.5 kg

## GH TOP – Transmission lift

- ▶ Ideal for fitting and removing gearboxes, axles and exhaust systems, and for all other service and maintenance work
- ▶ Continuous lifting by means of a hydraulic foot pump letting the user work or hold parts in their hands at the same time
- ▶ The load is lowered by means of a foot controller
- ▶ Rotating, height-adjustable manoeuvring handle with integrated screw tray
- ▶ Optimum protection of vehicle parts thanks to patented foam block
- ▶ Four steering rollers for easy manoeuvring
- ▶ All functions can be operated by foot



Rotating height-adjustable handle with compartment for screws

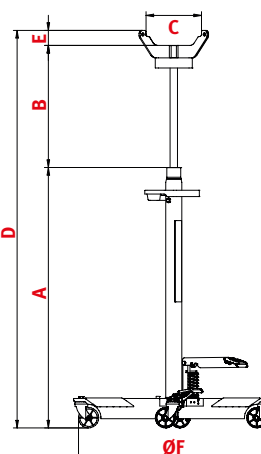


Patented foam block to protect vehicle parts



Model	GH 750 TOP	GH 1200 TOP
Art. no.	6212075	6212120

Technical specifications		
Load-carrying capacity	750 kg	1 200 kg
Lifting height piston (B)	820 mm	852 mm
Wide lifting head (C)	315 mm	315 mm
Height of lifting head tines (E)	60 mm	60 mm
Min. height (A)	1 110 mm	973 mm
Max. height (D)	1 930 mm	1 825 mm
Length/width (F)	720 mm	720 mm
Weight	30 kg	36.2 kg



**Accessories**      **Article no.**  
 GH TOP attachment 6212990  
 Adjustable attachment with two chains for fixing the workpiece





## MMS – Motorcycle assembly stand front and rear

- ▶ Stable design for motorcycle repairs
- ▶ Stand with universal mount
- ▶ Easy lifting of the front and rear wheels

Model	MMS-V 100	MMS-H 200
Art. no.	6201510	6201511
<b>Technical specifications</b>		
Load-carrying capacity	100 kg	200 kg
Min. height	200 mm	255 mm
Max. height	270 mm	335 mm
Dimensions (L x W x H)	640 x 460 x 320 mm	675 x 550 x 345 mm
Weight	2.85 kg	4.85 kg

**New**



**MMS-V 100**  
for the front wheel



**MMS-H 200**  
for the rear wheel

## MH 680 – Ultra-compact motorcycle lift with retaining straps

- ▶ For motorcycle and quad repairs
- ▶ Excellent stability and load-bearing capacity up to 680 kg despite compact dimensions
- ▶ Perfectly suited for smaller workshops
- ▶ Folds away, thus requiring little storage space
- ▶ The retaining straps included guaranteed safe work
- ▶ Steering rollers with parking brakes
- ▶ Easy-to-operate foot pedal

Model	MH 680
Art. no.	6201500

Technical specifications	
Load-carrying capacity	680 kg
Min. height	140 mm
Max. height	410 mm
Dimensions (L x W x H)	864 x 396 x 315 mm
Weight	35 kg



## MHB series – Ultra-compact motorcycle lifting platforms

- ▶ Stable design for motorcycle repairs
- ▶ Compact design, thus perfectly suited for smaller workshops
- ▶ With wide base and ramp for easier manoeuvring of the vehicle
- ▶ Ideal for repairs on light motorcycles, scooters and motorcycles
  - up to maximum of 450 kg (**MHB 455**)
  - up to maximum of 680 kg (**MHB 680**), thus also suitable for quad bikes

For matching compressors see the main Aircraft catalogue, or visit [www.aircraft-kompressoren.com](http://www.aircraft-kompressoren.com)

Info & video



**MHB 680**

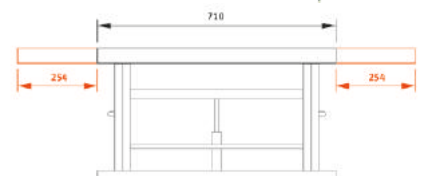


**MHB 455**

Scope of delivery MHB 680:  
▶ lateral extension



Model	MHB 455	MHB 680
Art. no.	6201505	6201506
<b>Technical specifications</b>		
Load-carrying capacity	450 kg	680 kg
Min. height	175 mm	185 mm
Max. height	750 mm	825 mm
Adjustment range, tyre clamp	35 - 180 mm	35 - 185 mm
Platform size	2 200 x 680 mm	1 995 x 710 mm
Ramp size	650 x 680 mm	550 x 710 mm
Air consumption approx.	-	100 l/min
Pneumatic operating pressure	-	7 - 8.5 bar
Size of lateral extension	-	1 995 x 254 mm
Weight	127 kg	239 kg



**MHB 680 with lateral extension**

Transportation aids  
Vehicle jacks  
Assembly aid  
Lifting gear/weighing devices  
Battery chargers  
Power generators  
Workshop equipment

# Creepers/gantry crane

## MRB 40 KS and KRL 1 – Creepers

### MRB 40 KS

- Wipe-clean plastic workshop creeper
- ▶ Ergonomic with padded head support, handle and six oil-resistant steering rollers
- ▶ Practical tray surfaces at sides



MRB 40 KS

### KRL 1

- Workshop creeper foldable to assembly stool or for space-saving storage
- ▶ Robust steel design with padded lying/sitting surface and seven steering rollers



KRL 1



Folds to create an assembly stool

Model	MRB 40 KS	KRL 1
Art. no.	6201801	6201802
<b>Technical specifications</b>		
Max. load-bearing capacity	120 kg	120 kg
Dimensions (L x W x H)	1 010 x 475 x 130 mm	1 020 x 400 x 140 mm (bed) 485 x 400 x 440 mm (stool)
Weight	4.8 kg	6.7 kg

## PK 1 – Mobile gantry crane with max. 1t load-carrying capacity

- ▶ Suitable for loading/unloading and for assembly, repair or warehousing work
- ▶ For use in workshops and factory operations on flat and smooth floors
- ▶ Easy movement and setup thanks to four steering rollers with parking brakes
- ▶ Safe and easy height adjustment in unloaded state via levers and two safety bolts per support carrier
- ▶ Stable and robust, torsion-free design thanks to addition transverse braces



Safe and easy height adjustment in unloaded state via levers and two safety bolts per support carrier



Stable design of the carrier supports

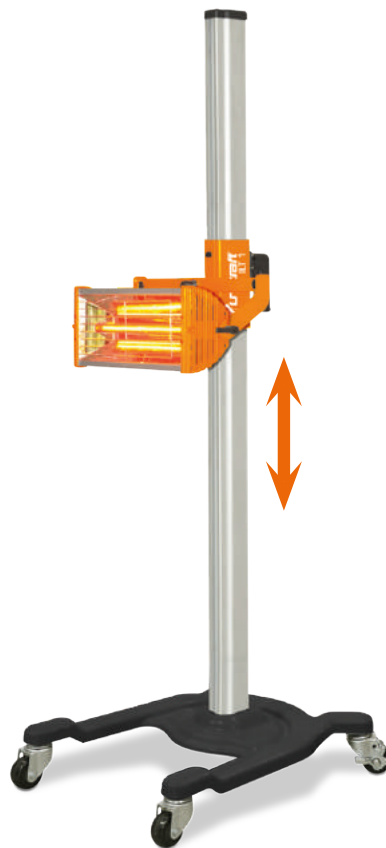


Steering rollers with parking brake

Model	PK 1
Art. no.	6172100
<b>Technical specifications</b>	
Load-carrying capacity	1.0 t
Min./max. height	2 500 mm / 3 600 mm
Clearance width	2 300 mm
Double-T bars (W x H)	76 x 120 mm
Weight	136 kg

## ILT 1 – Infrared paint dryer

- ▶ Robust aluminium and stainless steel construction
- ▶ High quality V Power quartz halogen short wave infrared fluorescent tubes
- ▶ Dries the coat of paint efficiently from the inside and outside, thus saving time and avoiding blistering
- ▶ Lamp housing pivots and rotates through 360°
- ▶ Ball-bearing mounted rollers with parking brake



Model	ILT 1
Art. no.	6205001

Technical specifications	
Drying area	800 x 450 mm
Timer	0 – 60 min
Rating	1 kW
Power connector	230 V / 50 Hz
Weight	15 kg

Accessories	Article no.
Replacement tubes	6205006

## ILT 3W – Infrared paint dryer

- ▶ Stable stainless steel design with hydraulic arm
- ▶ High quality V Power 21" (50 cm) quartz halogen short wave infrared fluorescent tubes
- ▶ Dries the coat of paint efficiently from the inside and outside, thus saving time and avoiding blistering
- ▶ Fully-automated digital power setting via LED display with timer
- ▶ Electronic temperature setting from 35 °C - 100 °C
- ▶ Each of the three radiators can be switched on individually
- ▶ Lamp housing pivots and rotates through 300°
- ▶ Two configurable drying phases:
  - PULSE:** Interval operation for flash off/pre-drying
  - ROUTINE:** Continuous operation for curing
- ▶ Ball-bearing mounted rollers with parking brake



Model	ILT 3W
Art. no.	6205000

Technical specifications	
Drying area	1200 x 1000 mm
Temperature	35 – 100 °C
Timer	0 - 99 min
Rating	3 x 1.1 kW
Power connector	230 V / 50 Hz
Weight	45 kg

Accessories	Article no.
Replacement tubes	6205005





# Induction heater units



## IHG 1500 – induction heater unit

- ▶ Extremely versatile for bodywork and work on commercial vehicles thanks to an ample range of accessories (additional accessories available separately)
- ▶ Easy to transport thanks to its compact dimensions and a low weight of only 4.5 kg

### Application

- ▶ Removing minor dents caused by hail without corroding the paintwork
- ▶ Removing small trim panels
- ▶ Detaching and removing sealing compound and filler
- ▶ Treating jammed and corroded parts, such as screws, lugs, seals, hinges, nuts, etc.

- ▶ Also suitable for heating and loosening parts that are hard to access (e.g. axle components, ball joints, sensors, etc.), using a custom, flexible heating coil



Loosening parts that are hard to access by using a special type of twisted wire

For heating and loosening jammed and corroded parts

Easily removing small trim panels

Removing rust

<b>Model</b>	<b>IHG 1500</b>
Art. no.	6400015

Technical specifications	
Power connector	230 V / 50/60 Hz
Power draw	1.7 kVA
Induction output	1.5 kW
Fuse	16 A
Degree of protection	IP 21
Output frequency	25 - 60 kHz
Dimensions (L x W x H)	200 x 75 x 140 mm
Weight including accessories	5 kg
Device weight	4.5 kg



Only 4.5 kg

IHG 1500 - wide range of accessories included in scope of delivery (shown bottom left)

### Control concept

- ▶ Targeted and precisely metered heat application within seconds thanks to cutting-edge microprocessor technology
- ▶ Heats up parts to over 800 °C
- ▶ Fast and easy operation

- ▶ High efficiency
- ▶ Prevents overheating thanks to two fans
- ▶ High degree of operational safety with auto-monitoring feature and on-screen status messages



### IHG 1500 delivery scope in black case:

- IHG 1500 with coil holder, ① Front coil M8, ② Front coil M12, ③ Focus coil ④ Winding wire

Accessories	Article no.
Front coil (L = 220 mm) M6 (15)	6411015
Front coil (L = 220 mm) M8 (19)	6411019
① Front coil (L = 220 mm) M8 (20)	6411020
Front coil (L = 220 mm) M10 (23)	6411023
② Front coil (L = 220 mm) M12 (26)	6411026
Front coil (L = 220 mm) M16 (32)	6411032
Front coil (L = 220 mm) M20 (38)	6411038
Front coil (L = 220 mm) M22 (45)	6411045
Side coil (L = 220 mm) M6 (15)	6411115
Side coil (L = 220 mm) M8 (19)	6411119
Side coil (L = 220 mm) M8 (20)	6411120
Side coil (L = 220 mm) M10 (23)	6411123
Side coil (L = 220 mm) M12 (26)	6411126
Side coil (L = 220 mm) M16 (32)	6411132
Side coil (L = 220 mm) M20 (38)	6411138
Side coil (L = 220 mm) M22 (45)	6411145
③ Focus coil (Ø = 20 mm)	6411004
④ Winding wire (flexible heating coil) (L = 800 mm)	6411003
Flat helical coil (PAD coil)	6411002
User-defined heating coil (L=750mm, Ø=4mm)	6411001
Ceramic heating coil flexible L = 800 mm	6411005

## Function and benefits of the induction principle for bodywork and work on commercial vehicles

### Function:

The induction heater unit and its accessories exclusively apply non-contact, targeted heat in areas where it is actually necessary. Based on the principle that electromagnetic induction works with conductive materials only so that non-conductive surfaces (such as glass, rubber, plastic, painted surfaces, etc.) are not heated up to prevent damage

to these components. An open flame is no longer needed, and the fire risk this entails virtually eliminated.

### Application and benefits:

- ▶ Fast and easy removal of parts on vehicles by applying heat, e.g. glass, trim panels, stickers, foil, etc.

- ▶ Targeted and precisely metered heat application within seconds thanks to cutting-edge microprocessor technology
- ▶ Complete protection of the surrounding areas and no damage to painted surfaces, glass, rubber, plastic, etc.

## IHG 2400 – induction heater unit

- ▶ Extremely versatile for bodywork and work on commercial vehicles thanks to its outstanding performance and ample range of standard accessories (additional accessories available separately)
- ▶ Easy to transport thanks to its compact dimensions and a low weight of only 6.0 kg

### Application

- ▶ Removing dents caused by hail without corroding the paintwork
- ▶ Removing larger sections of trim panels
- ▶ Loosening jammed and corroded parts, such as bolts, nuts, screws, bearings, gear wheels etc.

- ▶ Detaching and removing sealing compound and filler
- ▶ Convenient windscreen removal for painting cars and commercial vehicles - enables to reuse windscreens with integrated seals



For repairing hail damage without damaging the paintwork

Loosening jammed and corroded parts

Prepare to be fascinated!

Learn more about this product in our comprehensive video on [www.unicraft.de](http://www.unicraft.de)

<b>Model</b>	<b>IHG 2400</b>
Art. no.	6400100

<b>Technical specifications</b>	
Power connector	230 V / 50/60 Hz
Power draw	2.4 kVA
Induction output	2.3 kW
Fuse	T 10 A
Degree of protection	IP 21
Output frequency	35 - 100 kHz
Dimensions (L x W x H)	390 x 260 x 225 mm
Weight including accessories	12.5 kg
Device weight	6 kg



Only 6.0 kg

*IHG 2400 – large selection of accessories included in the delivery scope (illustration on the bottom left)*

### Accessories



**IHG 2400 delivery scope:**  
IHG 2400, ① Combined scraper/lever (3-tlg.), ② Windscreen remover, ③ Metal remover, ④ Induction pad, ⑤ pneumatic footswitch



⑧ **Scope of delivery of the induction coil starter kit**  
Connection adapter for coils, ⑨ 1x induction coil V M8+M10, ⑩ 1x induction coil V M12+M14

### Control concept

Thanks to our innovative overall concept, users benefit from the following features: intelligent control technology and matching

**Accessories:**  
Fast and easy operation

- ▶ Automatically detects connected accessories
- ▶ Manual or automatic mode
- ▶ Automatically controls output and frequency
- ▶ Acoustic status messages

Accessories	Article no.
① Combined scraper/lever (unit price)	6410001
② Screen removing agent	6410002
③ Metal removing agent	6410003
④ Induction pad	6410004
⑤ Pneumatic foot switch	6410007
⑥ Tool to remove damage caused by hail	6410005
⑦ Precision screen remover	6410006
Mobile IHG 2400 cabinet	6410000
Fibreglass belt KIT 25 x 50 mm (10 pcs.)	6410008
⑧ Fibreglass belt KIT 50 x 150 mm (10 pcs.)	6410009
<b>Induction coil starter kit</b> (connection adapter for coils + 1x each V M8/M10, V M12/M14 induction coil)	6410020
⑨ Induction coil set VM8/M10 (set = 2 pcs.)	6410021
Induction coil set V M12/M14 (set = 2 pcs.)	6410022
Induction coil set V M16/M18 (set = 2 pcs.)	6410023
⑩ Induction coil set H M8/M10 (set = 2 pcs.)	6410024
Induction coil set H M12/M14 (set = 2 pcs.)	6410025
Induction coil set H M16/M18 (set = 2 pcs.)	6410026

V = vertical/H = horizontal

# Induction heater units



## IHG 3500 – Rotary table positioning device with manually swivelling

- ▶ Powerful and simple operation with up to ten parameters
- ▶ Attachments replaceable for many different applications
- ▶ Timer for high repetition accuracy
- ▶ Easy to transport thanks to compact design and low weight
- ▶ Integrated liquid-cooling
- ▶ Easy to fill thanks to level display

### Application options

- ▶ Loosening smaller trim parts, jammed and corroded parts, such as bolts, nuts, screws, bearings, gear wheels, etc.
- ▶ Local heating of parts for soldering, pressing, bending or adhesion bonding
- ▶ Melting materials with a low melting point
- ▶ Inexpensive, safe and clean alternative to heating with a torch

- › Easy to transport
- › Easy loosening of nuts and bolts
- › Heating of parts for pressing, bending or adhesion bonding



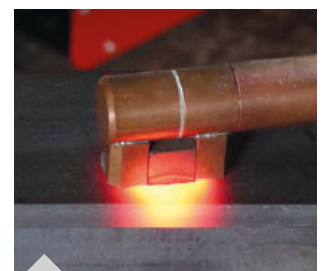
IHG 3500



Heating a nut with the angled focusing coil



Heating a threaded bolt with the liquid-cooled coil



Heating a component with the straight focusing coil

### Scope of delivery:

- › Handle for reel with 2 m cable
- › Focusing coil lateral (Art. no. 6412002)
- › Coolant circuit capacity 2.5 l

<b>Model</b>		<b>IHG 3500</b>
Art. no.		6400035

### Technical specifications

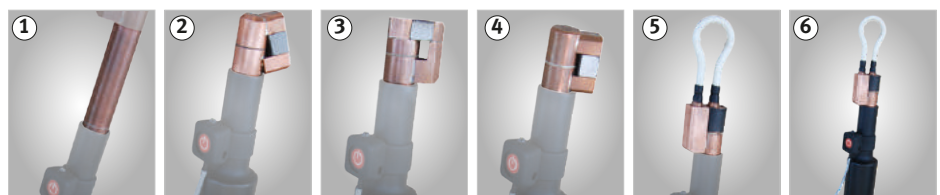
Induction output	kW	3.5
Output frequency	kHz	18 – 60
Degree of protection		IP 22
Coolant volume	l	2.5

### Electrical connection

Power draw	kVA	3.5
Fuse	A	16
Supply voltage	V	230
Mains frequency	Hz	50 Hz

### Dimensions and weights

Length x width x height		440 x 240 x 200 mm
Device weight		13.5 kg



Accessories	Article no.
① Handle extension	6412000
② Focusing coil angled	6412001
③ Focusing coil lateral	6412002
④ Focusing coil straight	6412003
Adapter for liquid-cooled coils	6412004
⑤ Liquid-cooled coil Ø20 mm	6412005
⑥ Liquid-cooled coil Ø25 mm	6412006
Coolant 5l canister	6412007



## MH 1 – Assembly stool

- ▶ Wipe-clean assembly stool
- ▶ Robust steel design with steering rollers
- ▶ Practical tool tray
- ▶ Pneumatically height-adjustable seat surface

<b>Model</b>	<b>MH 1</b>
Art. no.	6201900
<b>Technical specifications</b>	
Load-bearing capacity	100 kg
Seat height	440 – 530 mm
Dimensions	380 x 380 x 440 mm
Weight	5.7 kg



## DH 1 – rotary stool

- ▶ Standing support seat made of PUR integral foam
- ▶ Standing support seat mount
- ▶ Flat foot, polished (Ø 610 mm) with double rollers (Ø 65 mm)
- ▶ 5-year warranty

Made in Germany



<b>Model</b>	<b>DH 1</b>
Art. no.	6800030
<b>Technical specifications</b>	
Seat inclination	+2° to +15°
Seat height	460 – 610 mm
Seat width	390 mm
Seat depth	350 mm
Colour	Black

## SH 1 – Standing support

- ▶ Standing support seat made of PUR integral foam
- ▶ Standing support seat mount
- ▶ Flat foot, polished (Ø 655 mm)
- ▶ With seat stop rollers (Ø 65 mm)
- ▶ Braked without load - blocked with load
- ▶ 5-year warranty

Made in Germany



<b>Model</b>	<b>SH 1</b>
Art. no.	6800025
<b>Technical specifications</b>	
Seat inclination	+2° to +15°
Seat height	690 – 900 mm
Seat width	390 mm
Seat depth	350 mm
Colour	Black

## AS 1 – Working chair

- ▶ With adjustable backrest pressure
- ▶ XL backrest made of PUR integral foam
- ▶ With longer back strut
- ▶ Seat made of PUR integral foam
- ▶ Flat base, polished (Ø 655 mm) with double rollers (Ø 65 mm)
- ▶ Incl. armrest
- ▶ Safety armrest made of hard plastic
- ▶ 5-year warranty

Made in Germany



<b>Model</b>	<b>AS 1</b>
Art. no.	6800035
<b>Technical specifications</b>	
Backrest inclination	-8° to +10°
Seat inclination	-4° to +10°
Seat height	460 – 640 mm
Seat width	460 mm
Seat depth	435 mm
Colour	Black

## HS 1 – High chair

- ▶ With adjustable backrest pressure
- ▶ XL backrest made of PUR integral foam
- ▶ Seat made of PUR integral foam
- ▶ Flat foot, polished (Ø 713 mm) with seat stop rollers (Ø 65mm)
- ▶ Braked without load - blocked with load
- ▶ 5-year warranty

Made in Germany



<b>Model</b>	<b>HS 1</b>
Art. no.	6800020
<b>Technical specifications</b>	
Seat inclination	-4° to +10°
Backrest inclination	-8° to +10°
Seat height	690 – 930 mm
Seat width	460 mm
Seat depth	435 mm
Colour	Black
<b>Accessories</b>	<b>Art. no.</b>
Armrest for HS 1	6800040

# Lifting gear/weighing devices



## USZ series – Universal wire rope hoists for lifting, pulling and lashing work up to a tensile load of 3.2 t

- ▶ Lightweight thanks to aluminium alloy housing
- ▶ Virtually maintenance free
- ▶ Horizontal and vertical use

**Scope of delivery:**

- ▶ Hand lever
- ▶ 20 m cable with tip and hook on hose reel



USZ 801



USZ 1601



USZ 3201

Model	USZ 801	USZ 1601	USZ 3201
Art. no.	6171608	6171616	6171632
<b>Technical specifications</b>			
Load-carrying capacity	0.8 t	1.6 t	3.2 t
Lever length	160 mm	200 mm	200 mm
Leverage at rated load	383 N	400 N	441 N
Cable diameter	8.3 mm	11 mm	16 mm
Cable length	20 m	20 m	20 m
Dimensions (L x W x H)	430 x 101 x 240 mm	556 x 120 x 270 mm	666 x 150 x 320 mm
Weight	14 kg	26.5 kg	46.5 kg

## ESW 900 – Electric cable winch, compact and robust, with 12 V connection

- ▶ For use in vehicles, e.g., for pulling machines up a ramp into a small transporter
- ▶ Compact and robust
- ▶ Adjustable slip clutch protects the winch against overload
- ▶ Operated with crank handle, via wired and wireless remote control

Model	ESW 900
Art. no.	6190900
<b>Technical specifications</b>	
Lifting force	900 kg
Stroke	9 m
Max. lifting speed	0.6 m/min
Cable diameter	5.6 mm
Performance	300 W
Supply voltage	12 V
Current type	=
Degree of protection	IP 54
Dimensions (L x W x H)	390 x 260 x 185 mm
Weight	13 kg

**Scope of delivery:**

- ▶ Remote control with 2.5 m cable connection
- ▶ Wireless remote control
- ▶ Crank



Useful, e.g., for loading machines into a small transporter via a ramp

## ESW series – Electrical cable winch with up to 30 m hoisting height

- ▶ For use in vehicles, e.g., for pulling machines up a ramp into a small transporter
- ▶ Compact and robust
- ▶ Adjustable slip clutch protects the winch against overload
- ▶ Operated with crank handle, via wired and wireless remote control

Available from 12/2018

Available from 12/2018

Model	USZ 801	USZ 3201
Art. no.	6171608	6171632
<b>Technical specifications</b>		
Load-carrying capacity	900 kg	1 360 kg
Cable length	9 m	9 m
Lifting speeds	1.82 m/min	1.22 m/min
Cable diameter	5.1 mm	5.6 mm
Length of cable, control unit	3 m	3 m
Voltage	12 V DC	12 V DC
Services	300 kW	480 kW
Degree of protection	IP54	IP 54
Dimensions (L x W x H)	260 x 260 x 202 mm	270 x 290 x 205 mm
Weight	11 kg	15 kg

**Scope of delivery:**

- ▶ Remote control with 2.5 m cable connection
- ▶ Wireless remote control
- ▶ Crank



ESW 901

ESW 1360

**New**



# Electrical cable winches/Wall-mounted swivel arms

## ESW series – Electric cable hoist with max. 30 m lifting height

- ▶ Cable guide roll supports rewinding the cable
- ▶ New bearings extend the motor service life
- ▶ With quick coupling for immediate deployment without complex assembly
- ▶ The load lifting capacity is doubled by a deflection pulley

Model	ESW 500	ESW 800
Art. no.	6199500	6199800
<b>Technical specifications</b>		
Load lifting capacity with/without deflection pulley	250/500 kg	400/800 kg
Max. stroke with/without deflection pulley	30/15 m	30/15 m
Lifting speed without deflection pulley	8 m/min	8 m/min
Lifting speed with deflection pulley	4 m/min	4 m/min
Cable diameter	4 mm	5 mm
Length of cable, control unit	1.5 m	1.5 m
Power connection	230 V / 50 Hz	230 V / 50 Hz
Services	1 kW	1.3 kW
Dimensions (L x W x H)	310 x 330 x 440 mm	310 x 330 x 440 mm
Overall weight	30 kg	32 kg



ESW 500

## WSA-2 series – Wall-mounted swivel arm

- ▶ Matches electric cable hoists from the MES Series and others
- ▶ For fastening on rods or pipes

Model	WSA 300-1100-2	WSA 600-750-2	WSA 1000-750-2
Art. no.	6198605	6198606	6198607
<b>Technical specifications</b>			
Max. load-bearing capacity	300 kg	600 kg	1 000 kg
Throat	1 100 mm	750 mm	750 mm
Overall weight	8.4 kg	6.1 kg	9.3 kg
Distance between top and bottom suspension points	450 mm	380 mm	380 mm
For models	MES 250-2/600-2	MES 250-2/600-2	MES 999-2



- ▶ Vertical bar not included in scope of supply! (required pipe diameter 48 mm)

## MES series – Small electric cable winch

- ▶ Dead-man switch for safe work
- ▶ Lifting height with/without deflection pulley 12 m/6 m
- ▶ Deflection pulley with load hook
- ▶ Fastened by means of two stable double-clamps
- ▶ Operating switch with IP54 degree of protection
- ▶ Limit switch for immediate shut-off at top and bottom limit positions

Model	MES 250-2	MES 600-2	MES 999-2
Art. no.	6198225	6198260	6198299
<b>Technical specifications</b>			
Load lifting capacity with/without deflection pulley	125/250 kg	300/600 kg	500/999 kg
Connection	230 V ~50 Hz	230 V ~50 Hz	230 V ~50 Hz
Lift height with/without steering roller	12/6 m	12/6 m	12/6 m
Max. lifting speed with/without deflection pulley	8 / 4 m/min	8 / 4 m/min	8 / 4 m/min
Cable diameter	3.0 mm	4.5 mm	6 mm
Inside dimensions fastening clamps	46 x 46 mm	46 x 46 mm	59 x 59 mm
Weight	11 kg	17.5 kg	33 kg



MES 250-2

## K series – Manual chain hoists for lifting work with up to 10 t load-carrying capacity

- ▶ Load-bearing capacity depending on model between 1 t and 10 t
- ▶ Robust steel sheet housing
- ▶ Closed safety design
- ▶ Easy to operate without applying force
- ▶ Single-, double-, or four-strand design
- ▶ Rotating load and attachment hook

### Matching reel drives and roller drivers, see page 52!

Model	1000 grain	K 2000	K 3000	K 5000	10000 grain
Art. no.	6202101	6202102	6202103	6202105	6202110

Technical specifications					
Load-carrying capacity	1 t	2 t	3 t	5 t	10 t
Stroke	2 500 mm	2 500 mm	3 000 mm	3 000 mm	3 000 mm
Min. hook to hook distance	300 mm	380 mm	470 mm	600 mm	730 mm
Lifting force	330 N	330 N	390 N	420 N	450 N
Number of chain strands	1	2	2	2	4
Weight	9.4 kg	12.4 kg	21.7 kg	35 kg	65 kg



K 1000

## K series – Manual chain hoists for lifting work with up to 10 t load-carrying capacity

- ▶ Increased efficiency and reduction of friction losses thanks to tempered gearwheels and pinion on roller bearings
- ▶ Drop forged, rotating load and attachment hook with lock
- K 1001**
- ▶ Safe holding of load thanks to load pressure brake with asbestos-free brake disks

### Matching reel drives and roller drivers, see page 52!

Model	K 1001	K 2001	K 3001	K 5001	K 10001
Art. no.	6171001	6171002	6171003	6171005	6171010

Technical specifications					
Load-carrying capacity	1 t	2 t	3 t	5 t	10 t
Stroke	3 m	3 m	3 m	3 m	3 m
Hand force at rated load	320 N	365 N	385 N	435 N	435 N
Number of chain strands	1	1	2	3	3
Length	162 mm	194 mm	220 mm	288 mm	384 mm
Width/depth	146.5 mm	170 mm	170 mm	190.4 mm	190 mm
height	317 mm	414 mm	465 mm	636 mm	798 mm
Weight	10.8 kg	18 kg	24.3 kg	38.7 kg	78 kg

- ▶ Design as per DIN EN13157 standard
- ▶ Galvanised load chain as per DIN ISO 3077
- ▶ High-strength, painted steel housing



K 1001

## HZ series – lever hoists for lifting and pulling work with up to 3 t load-carrying capacity

- ▶ Fast attachment of the load by pulling the load chain through the chain freewheel in both directions
- ▶ Safe holding of load thanks to load pressure brake with asbestos-free brake disks
- ▶ Drop forged, rotating load and attachment hook with lock

### Matching reel drives and roller drivers, see page 52!

Model	HZ 751	HZ 1501	HZ 3001
Art. no.	6171175	6171115	6171130

Technical specifications			
Load-carrying capacity	0.75 t	1.5 t	3 t
Stroke	1.5 m	1.5 m	1.5 m
Lever length	290 mm	420 mm	420 mm
Hand force at rated load	140 N	220 N	320 N
Number of chain strands	1	1	1
Length	135 mm	162 mm	211 mm
Width/depth	148 mm	176 mm	195 mm
height	320 mm	380 mm	480 mm
Weight	6.3 kg	11 kg	18.7 kg

- ▶ Design as per DIN EN13157 standard
- ▶ Galvanised load chain as per DIN ISO 3077
- ▶ High-strength, painted steel housing



HZ 751

# Chassis/clamping

## HFW series – Reel drives with up to 5 t load-carrying capacity

- ▶ No lateral displacement on the beam thanks to centred suspension of block and tackle
- ▶ Adjustment to carrier flange width through eye beam with counter thread
- ▶ Tilt safety as standard



Model	HFW 0.5	HFW 1	HFW 2	HFW 3	HFW 5
Art. no.	6171800	6171801	6171802	6171803	6171805

Technical specifications			0.5	1	2	3	5
Load-carrying capacity	T		0.5	1	2	3	5
Chain length	m		3	3	3	3	3
Curve radius	m		0.5	0.7	0.9	1.2	1
Carrier flange width	mm		55-220	58-220	66-220	74-220	90-220
Length	mm		352.5	353.5	362	406.5	434.5
Width	mm		198	238	277	324	373
height	mm		158	138	208	249	296.5
Weight	kg		8.5	12.5	17	28	45

## RFW series – Roller drivers with 5 t max. load-carrying capacity

- ▶ No lateral displacement on the beam thanks to centred suspension of block and tackle
- ▶ Adjustment to carrier flange width through eye beam with counter thread
- ▶ Tilt safety as standard



Model	RFW 0.5	RFW 1	RFW 2	RFW 3	RFW 5
Art. no.	6171700	6171701	6171702	6171703	6171705

Technical specifications			0.5	1	2	3	5
Load-carrying capacity	T		0.5	1	2	3	5
Curve radius	m		0.5	0.7	0.9	1.2	1
Carrier flange width	mm		55-220	58-220	66-220	74-220	90-220
Length	mm		285	300	300	328	354
Width	mm		198	238	277	324	373
height	mm		158	138	208	249	296.5
Weight	kg		5	8.8	14	23	40

## TK series – Beam clamps with up to 5 t load-carrying capacity

- ▶ Central spindle mechanism for easy fastening on the beam with secure and safe seat

- ▶ For quickly creating attachment points
- ▶ Suitable for holding hoisting gear, pulleys and loads
- ▶ Flexible handling thanks to large adjustment range

Model	TK 1	TK 2	TK 3	TK 5
Art. no.	6171901	6171902	6171903	6171905

Technical specifications			1 t	2 t	3 t	5 t
Load-carrying capacity			1 t	2 t	3 t	5 t
Carrier flange width			75 - 220 mm	75 - 220 mm	80 - 320 mm	80 - 320 mm
Dimensions (L x W x H)			175 x 64 x 230 mm	175 x 74 x 230 mm	225 x 103 x 325 mm	225 x 110 x 325 mm
Weight			3.8 kg	4.6 kg	9 kg	11 kg



TK 1

## – Lever clamps with swivel eye for lifting loads of up to 5 t

- ▶ For vertical lifting, 180° rotation and lateral attachment of sheet metal, steel plates, beams and steel construction elements
- ▶ Safety locking with the detent lever ensures safe clamping of the load even if the clamping position does not patch the direction of tension

- ▶ The minimum load is 10 % of the stated load-carrying capacity
- ▶ The surface hardness of the transported goods must not exceed HRC 30

- ▶ Also for lateral attachment thanks to swivel eyes

Model	HKS 1	HKS 2	HKS 3	HKS 5
Art. no.	6172001	6172002	6172003	6172005

Technical specifications			1 t	2 t	3 t	5 t
Load-carrying capacity			1 t	2 t	3 t	5 t
Grab range			0 - 20 mm	0 - 25 mm	0 - 30 mm	0 - 50 mm
Dimensions (L x W x H)			145 x 66 x 300 mm	175 x 75 x 385 mm	215 x 102 x 430 mm	232 x 112 x 500 mm
Weight			5 kg	8 kg	15 kg	23 kg



HKS 1

## EKZT-1 SERIES – electric chain hoists with one lifting speed and up to 2 t max. load-carrying capacity

- ▶ Chain hoist suspended on load looks
- ▶ Overload protected by slip clutch
- ▶ Integrated operation limit switch
- ▶ Safe stowing of the chain through chain store supplied as standard
- ▶ Chain block controlled via control pendant
- ▶ Control pendant prepared for connecting to and controlling the matching UNICRAFT electric trolley (note recommendation)

- › Power plant group FEM/ISO 2m/M5 equivalent to 1 600 hours service life under full load
- › Load chain type G80 as per DIN EN-818-7
- › Siemens electric
- › One lifting speed



Model	EKZT 5-1	EKZT 10-1	EKZT 20-1
Art. no.	6194005	6194010	6194020
<b>Technical specifications</b>			
Load-carrying capacity	0.5 t	1 t	2 t
Stroke	6 m	6 m	6 m
Max. lifting speed	7.7 m/min	5.1 m/min	2.6 m/min
Control pendant cable length	6 m	6 m	6 m
Number of chain strands	1	1	2
Current draw P1	1.2 kVA	1.4 kVA	1.4 kVA
Output P2	0.9 kVA	1.1 kVA	1.1 kVA
Power connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	636 x 276 x 410 mm	636 x 275 x 460 mm	636 x 276 x 650 mm
Weight	49 kg	54.3 kg	68.5 kg
Matching electric trolley	<b>EFW 1-1</b>	<b>EFW 1-1</b>	<b>EFW 2-1</b>

## Accessories for electric chain hoists

### EFW-1 series – electric trolleys with two travel speeds and up to 2 t max. load-carrying capacity

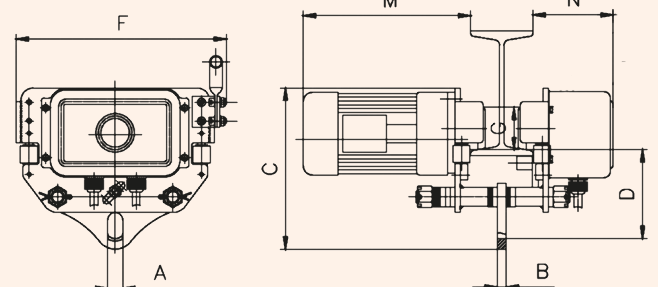
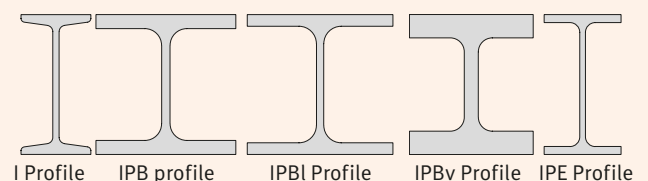
- ▶ Power connection and control of the trolley via the control pendant on the matching electric chain hoist
  - ▶ Suitable for use with carrier types:
    - IPE 160 - IPE 400 (DIN 1025-5),
    - IPBI 100 - IPBI 180 (DIN 1025-3),
    - IPB 100 - IPB 180 (DIN 1025-2),
    - IPBv 100 - IPBv 160 (DIN 1025-4),
    - I 160 – I 475 (DIN 1025-1)
- EFW 1-1**
- ▶ Suitable for electric hoists EKZT 5-1 (Art. no.: 6194005) and EKZT 10-1 (Art. no.: 6194010)
- EFW 2-1**
- ▶ Suitable for electric hoist EKZT 20-1 (Art. no.: 6194020)

Model		EFW 1-1	EFW 2-1
Art. no.		6194310	6194320

Technical specifications			EFW 1-1	EFW 2-1
Load-carrying capacity		T	1	2
Carrier flange width		mm	74-180	
Wheel diameter	G	mm	68	75
Travel speed		m/min	13.5	
Rating		kW	0.4	0.6
Power connection		V/Hz	400 / 50	
Degree of protection			IP 54	
Width of holding eye	A	mm	24	30
Thickness of mounting plate	B	mm	14 mm	
Distance between holding eye and support surface	D	mm	145	140
Motor throat	m	mm	310	312
Control cabinet extension	N	mm	135	
Length x width x height		mm	715 x 340 x 260	722 x 340 x 280
Weight		kg	26	36



EFW 1-1





# Electric chain hoists/trolleys 2 speed

## EKZT-2 series – electric chain hoists with two lifting speeds and up to 2 t max. load-carrying capacity

- ▶ Chain hoist suspended on load looks
- ▶ Overload protected by slip clutch
- ▶ Integrated operation limit switch
- ▶ Safe stowing of the chain through chain store supplied as standard
- ▶ Chain block controlled via control pendant
- ▶ Control pendant prepared for connecting to and controlling the matching UNICRAFT electric trolley (note recommendation)

- ▶ Power plant group FEM/ ISO 2m/M5 equivalent to 1 600 hours service life under full load
- ▶ Load chain type G80 as per DIN EN-818-7
- ▶ Siemens electric
- ▶ Two lifting speeds



Model	EKZT 5-2	EKZT 10-2	EKZT 20-2
Art. no.	6194105	6194110	6194120
<b>Technical specifications</b>			
Load-carrying capacity	0.5 t	1 t	2 t
Stroke	6 m	6 m	6 m
Max. lifting speed	7.7 / 2.2 m/min	5.1 / 1.8 m/min	2.6 / 0.95 m/min
Length of cable, control unit	6 m	6 m	6 m
Number of chain strands	1	1	2
Current draw P1	1.2/0.4 kVA	1.4/0.46 kVA	1.4/0.46 kVA
Output P2	0.9/0.3 kVA	1.1/0.37 kVA	1.1/0.37 kVA
Power connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	641 x 276 x 410 mm	661 x 276 x 460 mm	661 x 276 x 650 mm
Weight	57 kg	66.3 kg	82 kg
Matching electric trolley	<b>EFW 1-2</b>	<b>EFW 1-2</b>	<b>EFW 2-2</b>

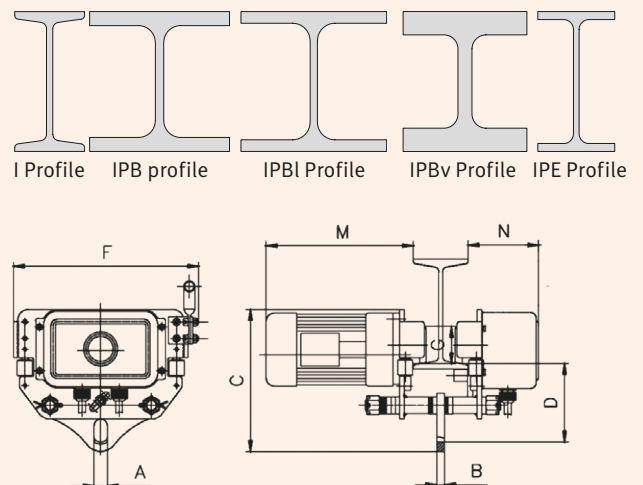
## Accessories for electric chain hoists

### EFW-2 series – electric trolleys with two travel speeds and up to 2 t max. load-carrying capacity

- ▶ Power connection and control of the trolley via the control pendant on the matching electric chain hoist
- ▶ Suitable for use with carrier types: IPE 160 - IPE 400 (DIN 1025-5), IPBI 100 - IPBI 180 (DIN 1025-3), IPB 100 - IPB 180 (DIN 1025-2), IPBv 100 - IPBv 160 (DIN 1025-4), I 160 - I 475 (DIN 1025-1)
- ▶ **EFW 1-2**
  - ▶ Suitable for electric hoists **EKZT 5-2** (Art. no.: 6194105) and **EKZT 10-2** (Art. no.: 6194110)
- ▶ **EFW 2-2**
  - ▶ Suitable for electric hoist **EKZT 20-2** (Art. no.: 6194120)



Model		EFW 1-2	EFW 2-2
Art. no.		6194410	6194420
<b>Technical specifications</b>			
Load-bearing capacity	T	1	2
Carrier flange width	mm	74-180	
Wheel diameter	G mm	68	75
Travel speed	m/min	6.7/20	
Rating	kW	0.4/0.167	0.6/0.23
Power connection	V/Hz	400 / 50	
Degree of protection		IP54	IP 54
Width of holding eye	A mm	24	30
Thickness of mounting plate	B mm	14	
Distance between holding eye and support surface	D mm	145	140
Motor throat	m mm	336	338
Control cabinet extension	N mm	135	
Dimensions (L x W x H)	mm	741 x 340 x 260	748 x 340 x 280
Weight	kg	33	40



**New**

## EKZT-1 SERIES – electric chain hoists with up to 500 kg load-carrying capacity

- ▶ Chain hoist suspended on load looks
- ▶ Overload protected by slip clutch
- ▶ Integrated operation limit switch
- ▶ Safe stowing of the chain through chain store supplied as standard
- ▶ Chain block controlled via control pendant



Available from 12/2018

Available from 12/2018

Model	EKZT 301-1	EKZT 501-1
Art. no.	6194503	6194505

Technical specifications	EKZT 301-1	EKZT 501-1
Load-carrying capacity	300 kg	500 kg
Stroke	3 m	3 m
Max. lifting speed	3 m/min.	2.8 m/min.
Length of cable, control unit	1.6 m	1.6 m
Number of chain strands	1	1
Supply voltage	230 V / 50 Hz	230 V / 50 Hz
Dimensions (L x W x H)	288 x 221 x 442 mm	382 x 176 x 600 mm
Weight	14.3 kg	18.5 kg

## SW series – steel winch with safety crank for lifting, holding and lowering work with up to 10 t load-carrying capacity

- ▶ Anchor points on head and claw
- ▶ Low force application when lifting the load
- ▶ Lifting support housing with helical toothed gear rod
- ▶ Stable base for assured stability
- ▶ Safe and easy operation with two handles - also for easy transportation
- ▶ Space-saving storage and transport thanks to folding crank

Model	SW 30	SW 50	SW 100
Art. no.	6171203	6171205	6171210

Technical specifications	SW 30	SW 50	SW 100
Load-carrying capacity	3 t	5 t	10 t
Stroke	335 mm	335 mm	345 mm
Length	296 mm	189 mm	250 mm
Width/depth	197 mm	335 mm	498 mm
height	730 mm	730 mm	800 mm
Weight	21.2 kg	28.5 kg	46.8 kg

- ▶ Stable design as per DIN 7355
- ▶ With self-arresting safety thrust roller crank



SW 30

## – Hydraulic machine lift

- ▶ Stable, welded steel design for demanding applications
- ▶ For safe lifting of heavy loads
- ▶ Pump unit rotatable
- ▶ Removable pump lever
- Equipment HMH 5:**
  - ▶ 360° rotatable grab and/or base plate
- Equipment HMH 10:**
  - ▶ 360° rotatable grab and/or base plate
- Equipment HMH 25:**
  - ▶ Chassis

Model	HMH 5	HMH 10	HMH 25
Art. no.	6190050	6190100	6190250

Technical specifications	HMH 5	HMH 10	HMH 25
Load lifting capacity	5 t	10 t	25 t
Hand force at rated load	380 N	400 N	400 N
Stroke	205 mm	230 mm	215 mm
Underride height of lifting grab	25 mm	30 mm	58 mm
Underride height of lifting head	368 mm	420 mm	505 mm
Operating temperature range	-20 °C - +50 °C	-20 °C - +50 °C	-20 °C - +50 °C
Dimensions (L x W x H)	360 x 190 x 430 mm	380 x 220 x 510 mm	530 x 350 x 610 mm
Weight	25 kg	35 kg	109 kg



HMH 5

HMH 10

HMH 25

Lifting platforms & pallet trucks

Transportation aids

Vehicle jacks

Assembly aid

Lifting gear/weighing devices

Battery chargers

Power generators

Workshop equipment

# Machine lifts

## MH Series - Machine lift

- ▶ For safe lifting of heavy loads
- ▶ Stable, welded steel design for demanding applications
- ▶ Lowering speed infinitely adjustable thanks to release screw with granular control
- ▶ Small and compact design



MH 3



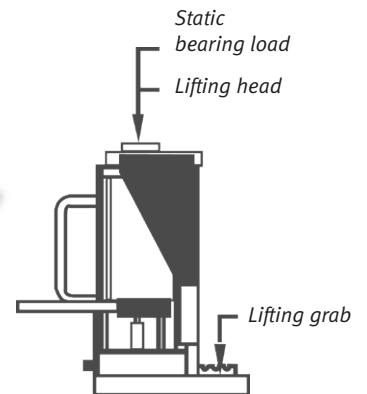
MH 8



MH 10



MH 20



### Scope of delivery MH 3:

- > Height-adjustable lifting grab

### Scope of delivery MH 8:

- > Height-adjustable lifting grab

### Scope of delivery MH 10:

- > Spindle thread

### Scope of delivery MH 20:

- > Height-adjustable lifting grab
- > Spindle thread

Model	MH 3	MH 8	MH 10	MH 20
Art. no.	6190003	6190008	6190010	6190020
<b>Technical specifications</b>				
Lifting head load lifting capacity	3 t	8 t	7.5 t	15 t
Underride height of lifting head	233 mm	261 mm	320 mm	325 mm
Lifting head load stroke	140 mm	140 mm	80 mm	140 mm
Max. load lifting capacity lifting grab	3 t	8 t	6 t	12 t
Lifting grab underride heights	15 / 75 / 135 mm	20 / 85 / 150 mm	35 mm	40 / 100 mm
Lifting grab stroke	140 mm	140 mm	160 mm	140 mm
Max. static bearing load	3 t	8 t	10 t	20 t
Support height min. static bearing load	233 mm	261 mm	320 mm	325 mm
Support height max. static bearing load	373 mm	401 mm	400 mm	465 mm
Dimensions (L x W x H)	250 x 231 x 233 mm	271 x 251 x 261 mm	160 x 245.5 x 320 mm	296 x 372 x 325 mm
Weight	21 kg	28 kg	25 kg	31 kg



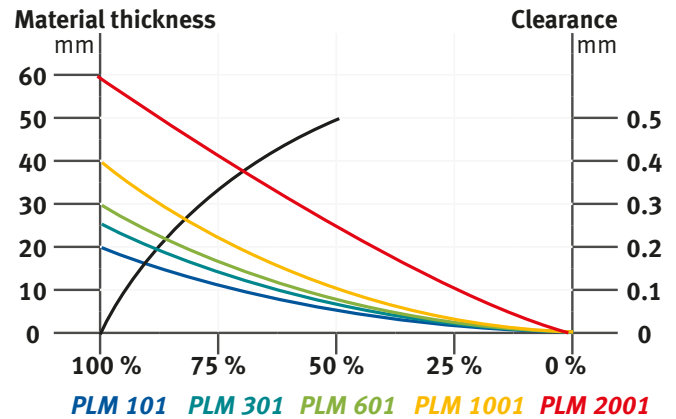
## PLM series – Permanent load lifting magnets for lifting loads up to 2000 kg

- ▶ Independent of rechargeable batteries or external power supply
- ▶ Easy switching on and off by switching the hand lever
- ▶ Lever locked by safety detent in active state prevents unintentional demagnetisation



- ▶ High safety standard thanks to certified safety factor 3.5
- ▶ For flat and round material thanks to V-design baseplate

Model	PLM 101	PLM 301	PLM 601	PLM 1001	PLM 2001
Art. no.	6171301	6171303	6171306	6171310	6171320
<b>Technical specifications</b>					
Load-carrying capacity	100 kg	300 kg	600 kg	1 000 kg	2 000 kg
Load-bearing capacity round material	50 kg	150 kg	300 kg	500 kg	1 000 kg
Chassis height	72 mm	108 mm	123 mm	158 mm	204 mm
Length	92 mm	166 mm	228 mm	266 mm	394 mm
Width/depth	64 mm	99 mm	118 mm	150 mm	196 mm
Weight	3 kg	12 kg	24 kg	43 kg	105 kg



## HW series – Compact hanging balance for determining the weight of suspended loads up to 300 kg

- ▶ Controlled via display directly on the device
- ▶ Value can be stored and frozen
- ▶ Automatic switch-off function
- ▶ Bright and easily readable LED display with 20 mm digit height
- ▶ Easy to determine the net weight thanks to tare function
- ▶ Overload warning in display

Model	HW 50	HW 150	HW 300
Art. no.	6171505	6171515	6171530
<b>Technical specifications</b>			
Load-carrying capacity	0.05 t	0.15 t	0.3 t
Overload max.	300 %	300 %	300 %
Display units	0.02 kg	0.05 kg	0.1 kg
Stabilisation time	<10 s	<10 s	<10 s
Distance between mount and load hook	265 mm	265 mm	265 mm
Inner diameter of mount	20 mm	20 mm	20 mm
Depth	46 mm	46 mm	46 mm
Weight	0.65 kg	0.65 kg	0.65 kg

- ▶ High precision
- ▶ Calibration capable as per OIML R76 standard
- ▶ Compact design
- ▶ Tare over full range



## KW series – Crane balances for determining the weight of suspended loads up to 10 t

- ▶ Controlled via remote control and display directly on the device
- ▶ Value can be stored and frozen
- ▶ Automatic switch-off function
- ▶ Remote control range up to 10 m
- ▶ Easy to determine the net weight thanks to tare function
- ▶ Overload warning in display
- ▶ Bright and easily readable LED display with 30 mm digit height
- ▶ Summation function for serial weighing
- ▶ Power supply via replaceable internal rechargeable battery; can be charged without removing from device

Model	KW 50	KW 100
Art. no.	6171405	6171410
<b>Technical specifications</b>		
Load-carrying capacity	5 t	10 t
Overload max.	400 %	400 %
Display units	< 2 t: 1 kg 2 - 5 t: 2 kg	< 2 t: 1 kg 2 - 5 t: 2 kg 5 - 10 t: 10 kg
Stabilisation time	<10 s	<10 s
Distance between mount and load hook	585 mm	770 mm
Inner diameter of mount	92 mm	94 mm
Clearance width load hook	45 mm	60 mm
Dimensions (L x W x H)	230 x 325 x 650 mm	230 x 364 x 810 mm
Weight	25 kg	47 kg

- Scope of delivery:**
- ▶ Remote control incl. batteries
  - ▶ Rechargeable battery 6 V / 10 Ah
  - ▶ Power adapter

- ▶ High precision
- ▶ Calibration capable as per OIML R76 standard
- ▶ Tare over full range
- ▶ Remotely controllable



KW 50

# Battery chargers



## Booster cables

- ▶ Fully insulated terminal clamps
- ▶ Plastic sheathed
- ▶ Without overvoltage protection



▶ Fully insulated terminal clamps

### Scope of delivery:

- 1 Booster cable red
- 1 Booster cable black
- Round plastic bag with zip

Model	Booster cable 16mm <sup>2</sup> length 3m	Booster cable 25mm <sup>2</sup> length 3.5m	Booster cable 35mm <sup>2</sup> length 4.5m
Art. no.	6860000	6860001	6860002

Technical specifications			
Cable length	2 x 3 m	2 x 3.5 m	2 x 4.5 m
Cable cross-section	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>
Max. current load	220 A	350 A	480 A
Current-carrying material	Copper laminated aluminium (CCA)		
Standard	DIN 72553-16	DIN 72553-25	DIN 72553-35
Suitable for batteries	12/24 V	12/24 V	12/24 V
Suitable for engines	Petrol	Petrol/Diesel	Petrol/Diesel
Weight (pair)	1.8 kg	2.2 kg	2.5 kg

## Electronic overvoltage protection EUS 12/24 –

To protect the on-board electronics of vehicles against voltage peaks

- ▶ Voltage peaks are continuously absorbed and suppressed
- ▶ To protect the vehicle electric system against damage, e.g., caused by welding work on the body without disconnecting the battery
- ▶ Red LED shows active overload protection
- ▶ With reverse-polarity protection
- ▶ Premium and robust design of the device guarantees a long service life
- ▶ Very easy to use



▶ Easy to connect to the battery



Model		EUS 12/24
Art. no.		6401012

Technical specifications		
Supply voltage	V	12 / 24
Current type		DC
Fuse	A	T3, 15
Output cable length	mm	550
Degree of protection		IP 20
Charging applications		Motorcycles, cars, vans, goods vehicles <7.5t
Length x width x height	mm	90 x 55 x 20
Weight	kg	0.22























### Standard equipment


















- Voltage peak protection
- Reverse polarity short circuit protection
- Audible signal in case of voltage peaks
- Cable +/- with standard crocodile clips



# Overview of battery chargers

	Model	BC 14	ABC 8	ABC 11	ABC 40	EBC 7	EBC 15R	EBC 35R	BC 17 S	BC 32 S	BC 350 S	BC 550 S
	Art. no.	6850100	6850200	6850205	6850210	6850300	6850305	6850310	6850400	6850405	6850410	6850415
												
Charger	manual	●							●	●	●	●
	automatic		●	●	●							
	electronic					●	●	●				
Start booster unit	AGM battery											
	Lithium battery											
Voltage	6V-12V					●						
	12 V		●	●			●		●			
	12V-24V	●			●			●		●	●	●
	24 V											
Batterie type	WET*	●	●	●	●	●	●	●	●	●	●	●
	AGM**		●	●	●	●	●	●				
	GEL***		●	●	●	●	●	●				
Function	Charging	●	●	●	●	●	●	●	●	●	●	●
	Maintenance		●	●	●	●	●	●				
	Start booster								●	●	●	●
	Fused start booster											
	Recovery						●	●				
	Supply						●	●				
Symbol	Abbreviation: Designation	BC 14	ABC 8	ABC 11	ABC 40	EBC 7	EBC 15R	EBC 35R	BC 17 S	BC 32 S	BC 350 S	BC 550 S
	Function	L	L	L	L	L	L	L	L S	L S	L S	L S
	<b>Bike:</b> Motorcycle	●	●	●	●	●	●	●	●	●	●	●
	<b>Car:</b> Passenger vehicle	●	●	●	●	●	●	●	●	●	●	●
	<b>MPV:</b> Small coaches	●	●	●	●	●	●	●		●	●	●
	<b>ST:</b> Small transporters <3.5 t	●		●	●		●	●		●	●	●
	<b>Boats:</b> Motor boats with 2 batteries						●	●		●	●	●
	<b>LCV&lt;7,5t:</b> Light commercial vehicles < 7.5 t	●			●		●	●		●		●
	<b>Ag:</b> Agricultural vehicles, tractors				●			●	●	●	●	●
	<b>Con:</b> Construction vehicles							●				●
	<b>Truck&gt;7.5t/HGV:</b> Heavy goods vehicles, semi-trailer units, commercial vehicles, coaches/buses, tractor units, etc.											

\*WET (liquid electrolyte) \*\*AGM (absorbed glass mat) \*\*\*GEL (Gel electrolyte absorbed in plates) L = Charge S = Start

	Model	MBC 55 S	MBC 550 S	ABC 350 S	ABC 550 S	ABC 950 S	MBC 750 S	SB 500	SB 200 MS						
	Art. no.	6850500	6850505	6850450	6850455	6850460	6850510	6850605	6850650						
															
Charger	manual														
	automatic			●	●	●									
	electronic	●	●				●								
Start booster unit	AGM battery							●							
	Lithium battery								●						
Voltage	6V-12V														
	12 V								●						
	12V-24V	●	●	●	●	●	●	●							
	24 V														
Batterie type	WET*	●	●	●	●	●	●	●	●						
	AGM**	●	●	●	●	●	●	●	●						
	GEL***	●	●	●	●	●	●	●	●						
Function	Charging	●	●	●	●	●	●								
	Maintenance	●	●	●	●	●	●								
	Start booster	●	●	●	●	●	●	●	●						
	Fused start booster	●	●	●	●	●	●	●	●						
	Recovery	●	●				●								
	Supply	●	●				●		●						
Symbol	Abbreviation: Designation	MBC 55 S		MBC 550 S		ABC 350 S		ABC 550 S		ABC 950 S		MBC 750 S		SB 500	SB 200 MS
	Function	L	S	L	S	L	S	L	S	L	S	L	S	S	S
	Bike: Motorcycle	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Car: Passenger vehicle	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	MPV: Small coaches	●	●	●	●					●	●			●	●
	ST: Small transporters <3.5 t	●	●	●	●					●	●			●	●
	Boats: Motor boats with 2 batteries	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	LCV<7,5t: Light commercial vehicles < 7.5 t	●	●	●	●					●	●	●	●	●	
	Ag: Agricultural vehicles, tractors	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Con: Construction vehicles	●	●	●	●					●	●	●	●	●	
	Truck>7.5t/HGV: Heavy goods vehicles, semi-trailer units, commercial vehicles, coaches/buses, tractor units, etc.	●	●	●	●					●	●	●	●	●	●

# Battery chargers



## BC 14 – Manual battery charger for wet batteries with a charge voltage of 12 or 24 Volt

- ▶ Robust solution for use with most motor vehicles - from motorcycles through to small transporters, up to 7.5 tonne light trucks

- ▶ Rugged steel sheet device housing and flame-resistant plastic
- ▶ Two years manufacturer warranty

- ▶ Charging cycle as per W characteristic curve with falling current level and rising voltage

- ▶ Analogue amperemeter
- ▶ Normal or fast charging configurable



12 V  
24 V

<b>Model</b>	<b>BC 14</b>	
Art. no.	6850100	
<b>Technical specifications</b>		
Charging voltage	12 V	24 V
Charging current	7 A	4 A
Charging capacity	15 - 100 Ah	
Output / Voltage	140 W / 230 V	
Charge cycles	4	
Suitable for battery types	Wet	
Charging applications	Bike, car, MPV, ST, Truck <7.5t	
Dimensions (L x W x H)	250 x 150 x 210 mm	
Weight	3.8 kg	

<b>Standard equipment</b>
Analogue amperemeter
Charging cable short circuit protection
Reverse polarity short circuit protection
Thermal protection switch with auto-reset
Charging cable +/- with standard crocodile clips
Connecting cable 230 Volt with safety connector

## ABC 40 – Professional, automatic battery charger/maintenance device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt



- ▶ Easy to operate model with microprocessor control
- ▶ Suitable for motorcycles, cars, agricultural vehicles and trucks up to 7.5 tonnes

- ▶ Automatic charging cycle control as per the W/UoU characteristic with two different phases: the first as per the W characteristic with a falling current level and rising voltage up to the nominal charge voltage, the second as per the UoU characteristic

- ▶ Due to automatic switchover between charging and maintenance operation, the battery can be permanently connected. Perfect, e.g., for winter storage of vehicles.

- ▶ Automatic charging and charge conservation
- ▶ Normal or fast charging configurable



12 V  
24 V

<b>Model</b>	<b>ABC 40</b>	
Art. no.	6850210	
<b>Technical specifications</b>		
Charging voltage	12 V	24 V
Charging current	12 A	7 A
Charging capacity	10 - 180 Ah	
Output / Voltage	400 W / 230 V	
Number of operating modes	8	
Suitable for battery types	Wet, Gel, AGM	
Charging applications	Bike, car, Ag, Truck <7.5t	
Dimensions (L x W x H)	250 x 210 x 280 mm	
Weight	8 kg	

<b>Standard equipment</b>
LED signal for reverse polarity, incorrect voltage or malfunction
LED signal for charging and end of charging
Charging cable short circuit protection
Reverse polarity short circuit protection
Thermal protection switch with auto-reset
Charging cable +/- with standard crocodile clips
Connecting cable 230 Volt with safety connector



## ABC 8 – Automatic battery charger/maintenance device with electronic control for wet, gel and AGM batteries with a charging voltage of 12 Volt

- ▶ For use with motorcycles, cars, and MPVs
- ▶ Easy to use thanks to automatic control
- ▶ Due to automatic switchover between charging and maintenance operation, the battery can be permanently connected. Perfect, e.g., for winter storage of vehicles.
- ▶ Convenient to transport due to low weight and ergonomic carrying handle

- ▶ Automatic charging and charge conservation
- ▶ Normal or fast charging configurable

<b>Model</b>	<b>ABC 8</b>
Art. no.	6850200

<b>Technical specifications</b>	
Charging voltage	12 V
Charging current	4 A
Charging capacity	20 - 70 Ah
Output / Voltage	80 W / 230 V
Number of operating modes	2
Suitable for battery types	Wet, Gel, AGM
Charging applications	Bike, car, MPV
Dimensions (L x W x H)	200 x 75 x 190 mm
Weight	2.1 kg



12 V

### Scope of delivery:

Carrying handle  
Storage compartments for power and charging cables

### Standard equipment

LED signal for reverse polarity, incorrect voltage or malfunction  
LED signal for charging and end of charging  
Charging cable short circuit protection  
Reverse polarity short circuit protection  
Thermal protection switch with auto-reset  
Charging cable +/- with standard crocodile clips  
Connecting cable 230 Volt with safety connector

## ABC 11 – Automatic battery charger/maintenance device with electronic control for wet, gel and AGM batteries with a charging voltage of 12 Volt

- ▶ Suitable for use with motorcycles, cars, MPVs and small transporters
- ▶ Easy to use thanks to automatic control
- ▶ Due to automatic switchover between charging and maintenance operation, the battery can be permanently connected. Perfect, e.g., for winter storage of vehicles.
- ▶ Convenient to transport due to low weight and ergonomic carrying handle

- ▶ Automatic charging and charge conservation
- ▶ Normal or fast charging configurable

<b>Model</b>	<b>ABC 11</b>
Art. no.	6850205

<b>Technical specifications</b>	
Charging voltage	12 V
Charging current	8 A
Charging capacity	20 - 110 Ah
Output / Voltage	110 W / 230 V
Number of operating modes	4
Suitable for battery types	Wet, Gel, AGM
Charging applications	Bike, car, MPV, ST
Dimensions (L x W x H)	255 x 95 x 235 mm
Weight	2.7 kg



12 V

### Scope of delivery:

Carrying handle  
Storage compartments for power and charging cables

### Standard equipment

LED signal for reverse polarity, incorrect voltage or malfunction  
LED signal for charging and end of charging  
Charging cable short circuit protection  
Reverse polarity short circuit protection  
Thermal protection switch with auto-reset  
Charging cable +/- with standard crocodile clips  
Connecting cable 230 Volt with safety connector

# Battery chargers



## ABC 350 S – Professional, automated battery charger/starter device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt

- ▶ Suitable for professional use
- ▶ Automatic operation provides 100 % protection of vehicle electronics against voltage peaks (starting)
- ▶ Automatic operation switches over to (charge) conservation at end of charging
- ▶ Thermal overload protection

› Automatic charging and charge conservation

› For normal and fast charging

<b>Model</b>	<b>ABC 350 S</b>
Art. no.	6850450

Technical specifications	
Charging voltage	12 V      24 V
Charging current	45 A      30 A
Charging capacity	30 - 350 Ah
Startup output	200 A
Peak output	300 A
Output / Voltage	1000 - 5000 W / 230 V
Number of operating modes	6
Suitable for battery types	WET/GEL/AGM
Charging applications	Motorcycles, cars, Ag, boats
Starting applications	Motorcycles, cars, Ag, boats
Dimensions (L x W x H)	330 x 245 x 730 mm
Weight	14.6 kg



### Scope of delivery:

- Storage compartment for cables
- Chassis (transport handle, wheel set)

### Standard equipment

- Digital ammeter
- Charge and starting current display
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

## ABC 550 S – Professional, automated battery charger/starter device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt



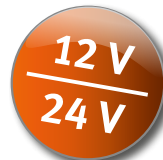
- ▶ Suitable for professional use
- ▶ Automatic operation provides 100 % protection of vehicle electronics against voltage peaks (starting)
- ▶ Automatic operation switches over to (charge) conservation at end of charging
- ▶ Thermal overload protection

› Automatic charging and charge conservation

› For normal and fast charging

<b>Model</b>	<b>ABC 550 S</b>
Art. no.	6850455

Technical specifications	
Charging voltage	12 V      24 V
Charging current	75 A      50 A
Charging capacity	30 - 550 Ah
Startup output	300 A
Peak output	400 A
Output / Voltage	1 500 - 10 000 W / 230 V
Number of operating modes	6
Suitable for battery types	WET/GEL/AGM
Charging applications	Motorcycles, cars, Ag, boats, trucks<7.5t, construction vehicles
Starting applications	Motorcycles, cars, boats
Dimensions (L x W x H)	330 x 280 x 800 mm
Weight	18.7 kg



### Scope of delivery:

- Storage compartment for cables
- Chassis (transport handle, wheel set)

### Standard equipment

- Digital ammeter
- Charge and starting current display
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

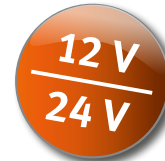
## ABC 950 S – Professional, automated battery charger/starter device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt

- ▶ Suitable for professional use
- ▶ Automatic operation provides 100 % protection of vehicle electronics against voltage peaks (starting)
- ▶ Automatic operation switches over to (charge) conservation at end of charging
- ▶ Thermal overload protection
- ▶ Fast start can also be activated via remote start. For example, from inside the vehicle thanks to 3.35 m cable length
- ▶ Fast charging controllable manually or via timer
- ▶ Device can be operated with 230 or 400 Volt power supply

- › Automatic charging and charge conservation
- › For normal and fast charging
- › Fast start also via remote start controller
- › Fast charging with timer

<b>Model</b>	<b>ABC 950 S</b>
Art. no.	6850460

Technical specifications	
Charging voltage	12 V   24 V
Charging current	180 A   120 A
Charging capacity	30 - 1 000 Ah
Startup output	1 000 A
Peak output	1 500 A
Output / Voltage	3 000 - 20 000 W / 400 V
Number of operating modes	6
Suitable for battery types	WET/GEL/AGM
Charging applications	Motorcycles, cars, Ag, boats, trucks<7.5t, trucks>7.5t, building sites
Starting applications	Motorcycles, cars, Ag, boats, trucks<7.5t, trucks>7.5t, building sites
Dimensions (L x W x H)	770 x 560 x 330 mm
Weight	68 kg



**Scope of delivery:**  
Chassis (transport handle, wheel set)

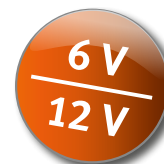
### Standard equipment

Digital ammeter  
Digital voltmeter  
LED signal for reverse polarity, incorrect voltage or malfunction  
LED signal for charging and end of charging  
Charging cable short circuit protection  
Reverse polarity short circuit protection  
Overload protection  
Thermal protection switch with auto-reset  
Charging cable +/- with standard crocodile clips  
Connecting cable for 230V or 400V operation without connector

## EBC 7 – Electronic battery charger/maintenance device for wet, gel and AGM batteries with a charging voltage of 6 and 12 Volt Great range of functions in a handy package.

- ▶ Very easy to use thanks to ergonomic and clear-cut design
- ▶ Optimal control through all phases of the automatic charging cycle and maintenance operation via illuminated display
- ▶ Optimal charging of the battery also in sub-0 °C temperatures with special winter mode. The device uses a higher charging current and higher voltage in this mode.
- ▶ IP65: Device is dust-tight and protected against splash water from any angle

- › Winter mode
- › Battery voltage test
- › Dust-tight and protected against splash water as per IP 65
- › Test of alternator charge voltage
- › Automatic battery voltage detection



<b>Model</b>	<b>EBC 7</b>
Art. no.	6850300

Technical specifications	
Charging voltage	6 / 12 V
Charging current	1 - 4 A
Charging capacity	4 - 80 Ah
Maintenance capacity	4 - 120 Ah
Output / Voltage	70 W / 230 V
Number of operating modes	6
Suitable for battery types	Wet, Gel, AGM
Charging applications	Bike, car, MPV
Dimensions (L x W x H)	190 x 80 x 50 mm
Weight	0.75 kg

### Scope of delivery:

Charging cable +/- 150 cm with quick release plug connection  
Charging cable +/- 50 cm with quick release connectors and crocodile clips  
Charging cable +/- 50 cm with quick release connectors and M6 ring clamps  
Mounting bracket

### Standard equipment

Automatic battery voltage detection  
Winter mode  
Digital display for device functions and status  
LED signal for reverse polarity, incorrect voltage or malfunction  
Acoustic signal for reverse polarity, incorrect voltage or malfunction  
Charging cable short circuit protection  
Reverse polarity short circuit protection  
Charging cable +/- with standard crocodile clips  
Charging cable +/- with M6 eye clamps  
Connecting cable 230 Volt with safety connector



# Battery chargers

**EBC 15 R** – Electronic battery charger/maintenance device for wet, gel and AGM batteries with a charging voltage of 12 Volt Great range of functions in a handy package.

- ▶ Very easy to use thanks to ergonomic and clear-cut design
- ▶ Optimal control through all phases of the automatic charging cycle and maintenance operation via illuminated display
- ▶ Can be used in maintenance charging mode as a power supply for keeping the vehicle's electronics settings. Important for recent cars where a battery change can only be performed in this mode
- ▶ For regenerating batteries following short-term deep discharge
- ▶ **Restart function:** In case of power failure, the device keeps the charge state for up to twelve hours and restarts at this point when power is restored. Without a restart function it would start again from the beginning
- ▶ **IP65:** Device is dust-tight and protected against splash water from any angle

▶ **Regeneration function**

▶ **Backup charging operation (memory saver)**

▶ **Dust-tight and protected against splash water as per IP 65**

▶ **Restart function**

<b>Model</b>	<b>EBC 15 R</b>
Art. no.	6850305

<b>Technical specifications</b>	
Charging voltage	12 V
Charging current	2 - 8 A
Charging capacity	5 - 160 Ah
Maintenance capacity	5 - 250 Ah
Output / Voltage	140 W / 230 V
Number of operating modes	9
Suitable for battery types	Wet, Gel, AGM
Charging applications	Motorcycles, cars, MPUs, small transporters, trucks<7.5t, boats
Dimensions (L x W x H)	230 x 100 x 65 mm
Weight	1 kg



**Scope of delivery:**

- Charging cable +/- 150 cm with quick release plug connection
- Cable +/- 50 cm with quick release connectors and crocodile clips
- Charging cable +/- 50 cm with quick release connectors and M6 ring clamps
- Mounting bracket

**Standard equipment**

- Backup charging operation (memory saver)
- Digital display for device functions and status
- LED signal for reverse polarity, incorrect voltage or malfunction
- Acoustic signal for reverse polarity, incorrect voltage or malfunction
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Charging cable +/- with standard crocodile clips
- Charging cable +/- with M6 eye clamps
- Connecting cable 230 Volt with safety connector

**EBC 35 R** – Electronic battery charger/maintenance device for wet, gel and AGM batteries with a charging voltage of 12 or 24 Volt



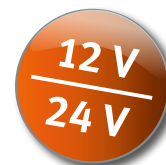
- ▶ Very easy to use thanks to ergonomic and clear-cut design
- ▶ Buttons for setting the charging functions, battery type and battery voltage
- ▶ Charging and maintenance are automatic in line with special characteristic curves geared to the battery type
- ▶ Three-phase diagnostics mode
- ▶ Processor-controlled eight-phase charging cycle
- ▶ For regenerating batteries following short-term deep discharge
- ▶ Can be used in maintenance charging mode as a power supply for keeping the vehicle's electronics settings. Important for recent cars where a battery change can only be performed in this mode

▶ **Regeneration function**

▶ **Backup charging operation (memory saver)**

<b>Model</b>	<b>EBC 35 R</b>	
Art. no.	6850310	

<b>Technical specifications</b>		
Charging voltage	12 V	24 V
Charging current	15 A	7.5 A
Charging capacity	30 - 330 Ah	
Maintenance capacity	30 - 500 Ah	
Output / Voltage	350 W / 230 V	
Number of operating modes	16	
Suitable for battery types	Wet, Gel, AGM	
Charging applications	Motorcycles, cars, MPUs, small transporters, trucks>7.5t, boats, Ag, construction vehicles	
Dimensions (L x W x H)	260 x 135 x 72 mm	
Weight	1.8 kg	



**Scope of delivery:**

- Transport case

**Standard equipment**

- Backup charging operation (memory saver)
- Digital display for charging voltage and current
- Battery status display
- LED signal for reverse polarity, incorrect voltage or malfunction
- Acoustic signal for reverse polarity, incorrect voltage or malfunction
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

## BC 17 S – Portable battery charging/start booster device for 12 Volt wet batteries

## BC 32 S – Portable battery charging/start booster device for 12 and 24 Volt wet batteries

- ▶ For quick starting of motorcycles and cars
- ▶ Selector switch for normal and fast charging
- ▶ Overload, short circuit and reverse polarity protected
- ▶ Charging current can be read off on analogue amperemeter



Model	BC 17 S	BC 32 S
Art. no.	6850400	6850405
<b>Technical specifications</b>		
Charging voltage	12 V	12 V   24 V
Charging current	12 A	30 A   26 A
Charging capacity	20 - 150 Ah	30 - 350 Ah
Startup output	60 A	160 A
Peak output	100 A	250 A
Output / Voltage	200 - 1 200 W / 230 V	850 - 4 000 W / 230 V
Number of operating modes	4	6
Suitable for battery types	Wet	Wet
Charging applications	Bike, car, MPV, ST, Ag	Bike, car, MPV, ST, trucks<7.5t, boats, Ag
Starting applications	Bike, car	Bike, car, MPV, ST
Dimensions (L x W x H)	150 x 265 x 335 mm	
Weight	5.8 kg	10 kg

### Standard equipment

- Normal and fast charging
- Analogue amperemeter
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

## BC 350S – Mobile battery charging/start booster device for 12 and 24 Volt wet batteries

- ▶ Suitable for quick starting of cars, MPVs, transporters, motorboats and tractors
- ▶ Overload, short circuit and reverse polarity protected
- ▶ Displays the charging and starting current via amperemeter
- ▶ Voltage peak protection thanks to varistor
- ▶ Rugged steel sheet device housing and flame-resistant plastic
- ▶ **W charging characteristic:** Charging cycle as per W characteristic with falling current level and rising voltage



### ▶ For normal and fast charging

Model	BC 350 S
Art. no.	6850410
<b>Technical specifications</b>	
Charging voltage	12 V   24 V
Charging current	30 A   30 A
Charging capacity	30 - 350 Ah
Startup output	200 A
Peak output	300 A
Output / Voltage	1 000 - 5 000 W / 230 V
Number of operating modes	6
Suitable for battery types	Wet
Charging applications	Bike, car, MPV, ST, Ag, boats
Starting applications	Car, ST, MPV, Ag, boats
Dimensions (L x W x H)	330 x 245 x 730 mm
Weight	14 kg

### Scope of delivery:

Chassis (transport handle, wheel set)

### Standard equipment

- Analogue amperemeter
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

# Battery chargers

## BC 550S – Mobile battery charging/start booster device for 12 and 24 Volt wet batteries



- ▶ Suitable for quick starting of cars, MPVs, transporters and motorboats
- ▶ Overload, short circuit and reverse polarity protected

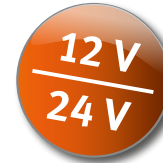
- ▶ Displays the charging and starting current via amperemeter
- ▶ Voltage peak protection thanks to varistor

- ▶ Rugged steel sheet device housing and flame-resistant plastic
- ▶ **W charging characteristic:** Charging cycle as per W characteristic with falling current level and rising voltage

### ▶ For normal and fast charging

<b>Model</b>	<b>BC 550 S</b>
Art. no.	6850415

Technical specifications	
Charging voltage	12 V   24 V
Charging current	50 A   50 A
Charging capacity	30 - 550 Ah
Startup output	300 A
Peak output	500 A
Output / Voltage	1 500 - 10 000 W / 230 V
Number of operating modes	6
Suitable for battery types	Wet
Charging applications	Bike, car, MPV, ST, Ag, boats, truck<7.5t, construction
Starting applications	Car, MPV, ST, Ag, boats
Dimensions (L x W x H)	330 x 280 x 800 mm
Weight	18 kg



**Scope of delivery:**  
Chassis (transport handle, wheel set)

### Standard equipment

- Digital ammeter
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

## MBC 55 S – Professional, multifunctional battery charger/starter device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt



- ▶ Suitable for all vehicles from motorcycles, through semi-trailers to motorboats.
- ▶ Excellent operating safety in fast and conservation charging mode
- ▶ Microprocessor-controlled device

- ▶ Automatic charging cycles with up to ten charging and analysis phases
- ▶ Three programmed charging cycles, one manual charging cycle
- ▶ 100 % protection of vehicle electronics against voltage peaks during starting

- ▶ Can be used in maintenance charging mode as a power supply for keeping the vehicle's electronics settings. Important for recent cars where a battery change can only be performed in this mode

### ▶ For normal and fast charging

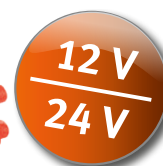
### ▶ Bench-top model

### ▶ Backup charging operation (memory saver)

### ▶ Regeneration and conservation function

<b>Model</b>	<b>MBC 55 S</b>
Art. no.	6850500

Technical specifications	
Charging voltage	12 V   24 V
Charging current	50 A   50 A
Charging capacity	4 - 550 Ah
Startup output	300 A
Peak output	400 A
Output / Voltage	1 500 - 10 000 W / 230 V
Number of operating modes	6
Suitable for battery types	Wet, Gel, AGM
Charging applications	Motorcycles, cars, MPVs, STs, Ag, boats, trucks<7.5t, trucks>7.5t, commercial vehicles, building sites
Starting applications	Motorcycles, cars, MPVs, STs, Ag, boats, trucks<7.5t, trucks>7.5t, commercial vehicles, building sites
Dimensions (L x W x H)	310 x 250 x 400 mm
Weight	19 kg



### Scope of delivery:

- Carrying handle
- Cable holders

### Standard equipment

- Backup charging operation (memory saver)
- Continuous selection of charging current
- Digital display for charging voltage and current
- Digital ammeter
- Battery status display
- Charging and start voltage display
- LED signal for reverse polarity, incorrect voltage or malfunction
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector



## MBC 550S – Professional, multifunctional battery charger/starter device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt

- ▶ Suitable for all vehicles from motorcycles, through semi-trailers to motorboats.
- ▶ Excellent operating safety in fast and conservation charging mode
- ▶ Microprocessor-controlled device

- ▶ Automatic charging cycles with up to ten charging and analysis phases
- ▶ Three programmed charging cycles, one manual charging cycle
- ▶ 100 % protection of vehicle electronics against voltage peaks during starting

- ▶ Can be used in maintenance charging mode as a power supply for keeping the vehicle's electronics settings. Important for recent cars where a battery change can only be performed in this mode

### › Model with chassis

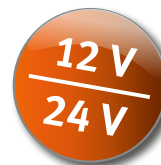
### › Backup charging operation (memory saver)

### › Regeneration and conservation function

### › For normal and fast charging

Model	MBC 550 S
Art. no.	6850505

Technical specifications	
Charging voltage	12 V   24 V
Charging current	75 A   50 A
Charging capacity	4 - 550 Ah
Startup output	300 A
Peak output	400 A
Output / Voltage	1 500 - 10 000 W / 230 V
Number of operating modes	6
Suitable for battery types	Wet, Gel, AGM
Charging applications	Bikes, cars, MPVs, STs, boats, trucks<7.5t, Ag, construction, trucks>7.5t
Starting applications	Bikes, cars, MPVs, STs, boats, trucks<7.5t, Ag, construction, trucks>7.5t
Dimensions (L x W x H)	380 x 310 x 980 mm
Weight	22 kg



### Scope of delivery:

- Chassis (transport handle, wheel set)
- Cable holders

### Standard equipment

- Backup charging operation (memory saver)
- Continuous selection of charging current
- Digital display for charging voltage and current
- Digital ammeter
- Battery status display
- Charging and start voltage display
- LED signal for reverse polarity, incorrect voltage or malfunction
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector

## MBC 750 S – Professional, multifunctional battery charger/starter device for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt

- ▶ Suitable for all vehicles from motorcycles, through semi-trailers to motorboats.
- ▶ Excellent operating safety in fast and conservation charging mode
- ▶ Microprocessor-controlled device
- ▶ Automatic charging cycles with up to ten charging and analysis phases

- ▶ Three programmed charging cycles, one manual charging cycle
- ▶ 100 % protection of vehicle electronics against voltage peaks during starting

- ▶ Can be used in maintenance charging mode as a power supply for keeping the vehicle's electronics settings. Important for recent cars where a battery change can only be performed in this mode
- ▶ Fast start can also be activated via remote start. For example, from inside the vehicle thanks to 3.35 m cable length

### › Model with chassis

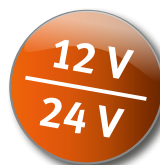
### › Backup charging operation (memory saver)

### › Regeneration and conservation function

### › Fast start also via remote start controller

Model	MBC 750 S
Art. no.	6850510

Technical specifications	
Charging voltage	12 V   24 V
Charging current	100 A   70 A
Charging capacity	4 - 700 Ah
Startup output	450 A
Peak output	650 A
Output / Voltage	2 000 - 12 000 W / 230 V
Number of operating modes	6
Suitable for battery types	Wet, Gel, AGM
Charging applications	Motorcycles, cars, MPVs, STs, Ag, boats, trucks<7.5t, trucks>7.5t, commercial vehicles, building sites
Starting applications	Motorcycles, cars, MPVs, STs, Ag, boats, trucks<7.5t, trucks>7.5t, commercial vehicles, building sites
Dimensions (L x W x H)	380 x 310 x 950 mm
Weight	29.5 kg



### Scope of delivery:

- Chassis (transport handle, wheel set)
- Cable holders

### Standard equipment

- Remote start
- Backup charging operation (memory saver)
- Continuous selection of charging current
- Digital display for charging voltage and current
- Digital ammeter
- Battery status display
- Charging and start voltage display
- LED signal for reverse polarity, incorrect voltage or malfunction
- LED signal for charging and end of charging
- Charging cable short circuit protection
- Reverse polarity short circuit protection
- Overload protection
- Thermal protection switch with auto-reset
- Charging cable +/- with standard crocodile clips
- Connecting cable 230 Volt with safety connector



# Battery chargers



## SB 200 MS – ultra-light, mains-independent start booster with high output

- ▶ An indispensable device for professional users in repair and body shops and vehicle electrical system workshops for daily use on all vehicle types with 12-Volt batteries
- ▶ Microprocessor controlled
- ▶ Easy handling and ergonomic design
- ▶ Charging of internal battery via power supply

- Premium LiFePO<sub>4</sub> rechargeable battery built in**
- ▶ Low self-discharging
  - ▶ No damage in case of extended discharge periods
  - ▶ Service life five times higher than devices with legacy batteries, approx. 3000 cycles
  - ▶ Greater inherent safety against overheating compared with legacy batteries

- Backup charging mode**
- ▶ Can be used in maintenance charging mode as a power supply for keeping the vehicle's electronics settings. Important for recent cars where a battery change can only be performed in this mode

- › LiFePO<sub>4</sub> battery with excellent inherent safety
- › Voltage peak protection
- › Protection of vehicle electronics
- › Backup charging operation (memory saver)

<b>Model</b>	<b>SB 200 MS</b>
Art. no.	6850650

Technical specifications	
Start voltage	12 V
Peak output	2000 A
I-Start	800 A
Supply voltage	230 V
Charging cable length	0.5 m
Suitable for battery types	WET/GEL/AGM
Starting applications	Motorcycles, boats, cars, vehicles, commercial vehicles,
Dimensions (L x W x H)	260 x 135 x 72 mm
Weight	2.4 kg



Scope of delivery:
Built-in LiFePO <sub>4</sub> battery
External power supply
0.5 m starter cable with professional crocodile clips
Cable holder
Mounting bracket

Standard equipment
Backup charging operation (memory saver)
Battery voltage display
Charging cable short circuit protection
Reverse polarity short circuit protection
Overload protection
Voltage peak protection
Protection of vehicle electronics
Charging cable +/- with professional crocodile clips
Connecting cable 230 Volt with safety connector

## SB 500 – Start booster for wet, gel and AGM batteries with a charging voltage of 12 and 24 Volt



- ▶ Indispensable device for professional users for daily deployment in repair, body and auto electrics shops
- ▶ For all vehicle types with 12 Volt lead batteries
- ▶ Easy and ergonomic handling

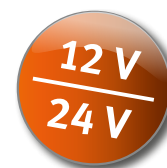
- ▶ Protects vehicle electronics against damage during starting
- ▶ Voltage peak protection

- ▶ Built-in battery charger for charging the internal battery
- ▶ Direct charging of the starting device in the vehicle interior via cigarette lighter connecting cable

- › Voltage peak protection
- › Protection of vehicle electronics
- › Durable and cycle-proof Hawker battery built-in

<b>Model</b>	<b>SB 500</b>
Art. no.	6850605

Technical specifications	
Start voltage	12 V      24 V
Peak output	4 400 A      2 200 A
I-Start	700 - 1 400 A
Supply voltage	230 V
Suitable for battery types	Wet, Gel, AGM
Starting applications	Motorcycles, cars, MPVs, STs, Ag, boats, trucks<7.5t, trucks>7.5t, commercial vehicles, building sites
Dimensions	405 x 180 x 380 mm
Weight	18 kg



Scope of delivery:
Built-in Hawker battery with charger
1.6 m starter cable with professional crocodile clips
Carrying handle
Cable holders

Standard equipment
Analogue amperemeter
Overload protection
Voltage peak protection
Protection of vehicle electronics
Charging cable +/- with professional crocodile clips
Connecting cable 230 Volt with safety connector and for cigarette lighter

Power generators



# Overview of power generators

## Choose the right power generator

- ▶ The stated performance is a guide value only and can deviate up or down in individual cases

### Ohmic consumers

- ▶ Consist of one or multiple resistors, i.e., electrical components that mainly generate heat or light.  
**Examples:** Ovens, light bulbs, irons, HVACs, coffee machines, fan heaters, kettles, etc.

### Inductive consumers

- ▶ Mainly electromagnetic consumers, i.e., electrical components that generate electromagnetic energy. These devices may need a multiple of their rated current as start-up current.  
**Examples:** Fans, drills, pumps, bench-top circular saws, manual circular saws, electric heaters, compressors, concrete mixers, water pump, compactors, etc.

### Generator design

- ▶ When comparing the output values of the power generator and the generator, it is important to ensure that the draw does not exceed the continuous output performance (COP) of the power generator.
- ▶ **SYNCHRONOUS generators** (except PG-E 30 SRA, PG-E 40 SRA, PG-E 60 SEA, PG-E 80 TEA) can be overloaded by up to 3x their normal capacity in the short term. This means that they are also possible for professional tools with electric motors that require a high start-up current, e.g., hammer drills and angle grinders. Power generators with AVR (electronic voltage control) are particularly well suited for sensitive consumers such as domestic emergency power supplies, inverter welding equipment, and electronically controlled power tools.
- ▶ **IP54 SYNCHRONOUS generators** (PG 800 X-TEA-54, PG 1200 X-TEA-54) 4x short-term overload capable. This makes them suitable for electric motors with a high start-up draw as found in compressors and machines. Thanks to their degree of protection, IP54, 200 % asymmetrical load capability, these units are deployed in special applications, in adverse weather conditions and as emergency generating units.

### The appliance names – what the individual designations mean

PG	Power generator
-I	Inverter
-D	Diesel
-E	Eco
-X	Insulation monitoring
T	400 V
S	230 V
E	Electric start
R	Reversing start
A	AVR control
-54	IP degree of protection IP 54

## Overview of power generators

	Model	Art. no.	Continuous output COP 230 V	Sound pressure level	Generator IP degree of protection	Socket IP degree of protection	
Standard type	PG 320 SR	6700031	2.2 kW	71 dB(A)	IP 23	IP 54	
	PG 400 SR	6700041	2.6 kW	71 dB(A)	IP 23	IP 54	
	PG 400 SRA	6701041	2.6 kW	69 dB(A)	IP 23	IP 54	
	PG 500 SRA	6701051	3.9 kW	71 dB(A)	IP 23	IP 44	
	PG 800 SRA	6701081	5.5 kW	72 dB(A)	IP 23	IP 44	
	For continuous commercial operation	PG 500 TRA	6701053	2.8 kW	71 dB(A)	IP 23	IP 44
		PG 800 TRA	6701083	3.7 kW	72 dB(A)	IP 23	IP 44
		PG 500 X-SEA	6702051	4.0 kW	71 dB(A)	IP 23	IP 44
		PG 800 X-SEA	6702081	5.5 kW	72 dB(A)	IP 23	IP 44
		PG 500 X-TEA	6702053	2.8 kW	71 dB(A)	IP 23	IP 44
		PG 800 X-TEA	6702083	3.7 kW	72 dB(A)	IP 23	IP 44
		PG 1200 X-TEA	6702123	6.3 kW	70 dB(A)	IP 23	IP 44
	IP degree of protection IP 54	PG 800 X-TEA-54	6703083	3.6 kW	72 dB(A)	IP 54	IP 54
		PG 1200 X-TEA-54	6703123	6.2 kW	70 dB(A)	IP 54	IP 54
Premium synchronous power generators	Diesel engine powered	PG-D 600 TEA	6704063	2.4 kW	67 dB(A)	IP 23	IP 44
		PG-D 900 TEA	6704093	4 kW	72 dB(A)	IP 23	IP 44
		PG-D 1100 TEA	6704123	4.8 kW	70 dB(A)	IP 23	IP 44

	Model	Art. no.	Continuous output COP 230 V	Sound pressure level	Generator IP degree of protection	Socket IP degree of protection	
Synchronous power generators	For semiprofessional applications	PG-E 30 SRA	6706030	2.5 kW	75 dB(A)	IP 23	IP 44
		PG-E 40 SRA	6706040	3.3 kW	75 dB(A)	IP 23	IP 44
		PG-E 60 SEA	6706060	5.0 kW	76 dB(A)	IP 23	IP 44
		PG-E 80 TEA	6706080	2.3 kW	76 dB(A)	IP 23	IP 44
		PG-E 90 SEA	6706090	7.5 kW	67 dB(A)	IP 23M	IP 44
Inverter power generators	For semiprofessional applications	PG-I 20	6706200	1.6 kW	63 dB(A)	IP23M	IP 44

	Model	Art. no.	Ohmic consumers 230 V	Light-duty inductive consumers 230 V	Heavy-duty inductive consumers 230 V	Heavy-duty inductive consumers 400 V	
Premium synchronous power generators	Standard type	PG 320 SR	6700031	2 200 W	1 750 W	1 200 W	–
		PG 400 SR	6700041	2 650 W	2 100 W	1 400 W	–
		PG 400 SRA	6701041	2 650 W	2 100 W	1 450 W	–
		PG 500 SRA	6701051	3 900 W	2 700 W	2 000 W	–
		PG 800 SRA	6701081	5 500 W	3 800 W	2 650 W	–
	For continuous commercial operation	PG 500 TRA	6701053	2 850 W	2 000 W	1 400 W	2 350 W
		PG 800 TRA	6701083	3 150 W	2 100 W	1 500 W	3 000 W
		PG 500 X-SEA	6702051	4 000 W	2 500 W	1 800 W	–
		PG 800 X-SEA	6702081	5 500 W	3 600 W	2 600 W	–
		PG 500 X-TEA	6702053	2 850 W	2 000 W	1 400 W	2 350 W
		PG 800 X-TEA	6702083	3 150 W	2 100 W	1 500 W	3 000 W
		PG 1200 X-TEA	6702123	6 700 W	4 200 W	3 000 W	5 800 W
	IP degree of protection IP 54	PG 800 X-TEA-54	6703083	3 600 W	3 200 W	2 700 W	3 400 W
		PG 1200 X-TEA-54	6703123	7 000 W	6 000 W	4 400 W	6 700 W
	Diesel engine powered	PG-D 600 TEA	6704063	3 000 W	2 000 W	1 450 W	2 500 W
PG-D 900 TEA		6704093	4 650 W	3 100 W	2 200 W	3850 W	
PG-D 1100 TEA		6704123	6 700 W	3 600 W	2 600 W	4 300 W	

	Model	Domestic appliances (HVACs, coffee machines, fan heaters, TVs/radios, kettles, etc.)	Leisure/garden (Shredders, pressure cleaners, lawnmowers, hedge trimmers, etc.)	Lighting (Halogen spotlights, studio/daylight illumination, etc.)	Power tools (Bench-top circular saws, electric heaters, manual circular saws, compressors, water pumps, etc.)	Welding equipment (electric welding equipment, shield gas welding equipment, etc.)
Synchronous power generators	For semiprofessional applications	PG-E 30 SRA	○	●	○	—
		PG-E 40 SRA	○	●	●	—
		PG-E 60 SEA	●	●	●	○
		PG-E 80 TEA	●	●	●	○
		PG-E 90 SEA	●	●	●	○
Inverter power generators	For semiprofessional applications	PG-I 20 S	○	○	○	—
		PG-I 40 S	○	○	○	—
		PG-I 40 S	○	○	●	—

● = suitable ○ = restrictions apply — = not suitable



# Power generators

## Inverter power generator PG-I – low noise, for demanding private users and semi-professionals

- ▶ Reliable power generating set for home and garden, camping, caravanning, boats, computers and other sensitive electronic devices
- ▶ Inverter technology for constant power output
- ▶ Output dependent continuous speed control through automatic clutch ensures low noise level
- ▶ Choke for easy cold starting
- ▶ Overload protection through thermal circuit breaker
- ▶ Low oil level shut-off with warning indicator
- ▶ Indicator lamps for output voltage, overload and low oil
- ▶ Connections and controls clearly arranged



▶ Manual pull starter



### PG-I 20 S

- ▶ Lightweight, portable power generator with compact design
- ▶ Higher rated output possible by connecting two inverter power generators



- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1) ON/OFF switch for the engine   | 8) Oil check lamp                 |
| 2) Energy-saver switch            | 9) Safety switch 8A DC            |
| 3) Output 12 V 8A                 | 10) Fuel cock                     |
| 4) 230 V safety socket connection | 11) Connections for parallel link |
| 5) Choke                          | 12) Ground connection             |
| 6) Indicator lamp AC              |                                   |
| 7) Overload indicator             |                                   |

### PG-I 40 S

- ▶ Mobile power generator with up to 13 hours running time
- ▶ Two A/C current 230V safety sockets



- |                                 |                                       |
|---------------------------------|---------------------------------------|
| 1) ON/OFF switch for the engine | 7) Electrical starter switch          |
| 2) Fuel cock                    | 8) 2 x 230 V safety socket connection |
| 3) Indicator lamp AC            | 9) 5V USB charger connection          |
| 4) Overload indicator           | 10) Safety switch 8A DC               |
| 5) Oil check lamp               | 11) Output 12 V 8A                    |
| 6) Choke                        |                                       |

Model		PG-I 20 S	PG-I 40 S
Art. no.		6706200	6706400
<b>Technical specifications</b>			
Nominal voltage	V	230 +/-3 %	
Emergency output LTP 230 V	kW	2.0	3.7
Continuous output COP 230 V	kW	1.6	3.5
Fuel		Petrol	
Starter		Manual start	Manual start/ electric starter
Running time at 50 % load	h	6,8	13
Running time at 100 % load	h	4	5
Tank capacity	l	4	12
Sound pressure level	dB(A)	63	70
Weighted sound power level (LWA)	dB(A)	89	90
Socket type		1x 230 V shockproof sockets	2x 230 V shockproof sockets
Generator IP degree of protection		IP23M	IP23M
Socket IP degree of protection		IP44	
Length x width x height	mm	497 x 290 x 464	690 x 460 x 495
Weight	kg	21	57



Higher rated output possible through optional connecting cable for coupling two devices

Accessories PG-I 20	Art. no.
Connecting cable for coupling two devices	6706299

## Inverter power generator PG-I 21 S – low noise and compact

► Reliable power generating set for home and garden, camping, caravanning, boats, computers and other sensitive electronic devices

► Using the integrated Wi-Fi transmitter, the device can be switched off and controlled via an app (e.g., oil/petrol check)  
 ► Inverter technology for constant power output  
 ► Output dependent continuous speed control through automatic clutch ensures low noise level

► Pull starter for easy cold starting  
 ► Overload protection through thermal circuit breaker  
 ► Low oil level shut-off with warning indicator  
 ► Connections and controls clearly arranged



- 1) ON/OFF switch for the engine
- 2) Fuel cock
- 3) Electrical starter switch
- 4) 2 x AC 230V 78A shockproof connection
- 5) 1 x 5V 1A USB charging connection
- 6) 1 x 5V 2A USB charging connection
- 7) Safety switch 8A DC
- 8) Output DC 12V 8A
- 9) WiFi control light
- 10) POWER control light
- 11) Reset button



► Equipped with carrying handle and separate pull-out handle



► Easy to stow away thanks to compact design

<b>Model</b>		<b>PG-I 21 S</b>
Art. no.		6706210

Technical specifications		
Nominal voltage	V	230
Emergency output LTP 230 V	kW	2.1
Continuous output COP 230 V	kW	1.8
Fuel		Petrol
Starter		Manual start
Running time at 50 % load	h	8
Running time at 100 % load	h	4
Tank capacity	l	4.2
Sound pressure level	dB(A)	61
Weighted sound power level L <sub>WA</sub>	dB(A)	92
Socket type		2x 230 V shockproof sockets 1x CEE 230 V 16 A
Generator IP degree of protection		IP23M
Socket IP degree of protection		IP44
Dimensions (L x W x H)	mm	530 x 320 x 430
Weight	kg	24



► Convenient to transport thanks to carriage and pull-out handle



# Power generators

## PG-E series – Synchronous generators for demanding private users and semi-professional applications

- ▶ All generators feature copper windings
- ▶ Short-term output of up to 3x rated output
- ▶ Automatic voltage control AVR
- ▶ Overload protection through thermal circuit breaker
- ▶ Low oil level shut-off with warning indicator
- ▶ 3 in 1 display for voltage, frequency and operating hours
- ▶ Long running time thanks to large tank
- ▶ Tank with fill level indicator
- ▶ Connections ergonomically positioned on the front
- ▶ Equipped with a wheelset and stable folding handle

Large tank 15 l

Manual start



PG-E 40 SRA

Large tank 25l

Manual start/electric starter



PG-E 80 TEA



PG-E 90 SEA



All models with a practical wheelset and a stable folding handle for ease of transportation



Control panel on model PG-E 80 TEA



Control panel on model PG-E 40 SRA



Control panel for model PG-E 90 SEA

Model	PG-E 30 SRA	PG-E 40 SRA	PG-E 60 SEA	PG-E 80 TEA	PG-E 90 SEA
Art. no.	6706030	6706040	6706060	6706080	6706090
<b>Technical specifications</b>					
Voltage	230 V	230 V	230 V	230 V / 400 V	230 V
Emergency output LTP 230 V	2.8 kW	3.8 kW	5.5 kW	2.5 kW	8.5 kW
Continuous output COP 230 V	2.5 kW	3.3 kW	5.0 kW	2.3 kW	7.5 kW
Emergency output LTP 400 V	-	-	-	7.0 kW	-
Continuous output COP 400 V	-	-	-	6.5 kW	-
Motor	SC170F	SC170B	SC188F	SC190F	AP192FBD
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol
Starter	Manual start	Manual start	Electric starter/ manual start	Electric starter/ manual start	Electric starter/ manual start
Running time at 50 % load	12.5 h	14 h	16 h	13 h	12 h
Running time at 100 % load	9.5 h	9.5 h	8.2 h	8.5 h	8 h
Tank capacity	15 l	15 l	25 l	25 l	25 l
Sound pressure level	75 dB(A)	75 dB(A)	76 dB(A)	76 dB(A)	67 dB(A)
Weighted sound power level (LWA)	95 dB(A)	95 dB(A)	96 dB(A)	96 dB(A)	97 dB(A)
Socket type	2x 230 V shockproof sockets	2x 230 V shockproof sockets	2x 230 V shockproof sockets, 1x 230 V CEE 32A	2x 230 V shockproof sockets, 1x 400 V CEE 16A	2 x 230 V shockproof, 1 x 230 V 32 A
Generator IP degree of protection	IP 23	IP 23	IP 23	IP 23	IP 23M
Socket IP degree of protection	IP 44	IP 44	IP 44	IP 44	IP 44
Dimensions (L x W x H)	595 x 460 x 500 mm	595 x 460 x 527 mm	700 x 526 x 580 mm	700 x 526 x 580 mm	700 x 526 x 580 mm
Weight	45 kg	50 kg	81 kg	88 kg	97 kg

**PG Series – Powerful and robust synchronous generators; easy to handle; quickly deployable at any time. Highly suitable for machines with a high starting current, and for power tools**

**PG 320 SR and PG 400 SR**

- ▶ Professional generator with standard design
- ▶ Maximum reliability and efficiency
- ▶ Capacitor-controlled generators
- ▶ Connections ergonomically positioned on the front
- ▶ Overload protection through thermal circuit breaker
- ▶ Low oil level shut-off
- ▶ Short-term output of up to 3x rated output

**PG 400 SRA, PG 500 SRA and PG 800 SRA**

- ▶ Long running time thanks to large 11l tank
- ▶ Electronic voltage control AVR
- ▶ Splash and impact protection through trim panels
- ▶ Connections ergonomically positioned on the front
- ▶ Overload protection through thermal circuit breaker
- ▶ Low oil level shut-off
- ▶ Short-term output of up to 3x rated output



PG 320 SR



PG 400 SR

Large tank 11 l

Large tank 11 l

Large tank 11 l



PG 400 SRA



PG 500 SRA



PG 800 SRA



Standard wheelset



Wheelset with folding handles

Accessories	Art. no.
Standard wheelset	6709900
Wheelset with folding handles	6709901

Model	PG 320 SR	PG 400 SR	PG 400 SRA	PG 500 SRA	PG 800 SRA
Art. no.	6700031	6700041	6701041	6701051	6701081

Technical specifications	PG 320 SR	PG 400 SR	PG 400 SRA	PG 500 SRA	PG 800 SRA
Voltage	230 V	230 V	230 V	230 V	230 V
Emergency output LTP* 230 V	2.6 kW / 2.9 kVA	3.1 kW / 3.4 kVA	3.1 kW / 3.4 kVA	4.6 kW / 5.1 kVA	6.4 kW / 7.2 kVA
Continuous output COP** 230 V	2.2 kW / 2.5 kVA	2.6 kW / 2.9 kVA	2.6 kW / 2.9 kVA	3.9 kW / 4.2 kVA	5.5 kW / 6.0 kVA
Emergency output LTP 400 V	-	-	-	-	-
Continuous output COP 400 V	-	-	-	-	-
Motor	Honda GX160	Honda GX200	Honda GX200	Honda GX270	Honda GX390
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol
Starter	Manual start	Manual start	Manual start	Manual start	Manual start
Fuel consumption at 75 % load	0.9 l/h	1.1 l/h	1.1 l/h	1.6 l/h	2.2 l/h
Tank capacity	3.1 l	3.1 l	11 l	11 l	11 l
Sound pressure level	71 dB(A)	71 dB(A)	69 dB(A)	71 dB(A)	72 dB(A)
Weighted sound power level (LWA)	96 dB(A)	96 dB(A)	95 dB(A)	97 dB(A)	97 dB(A)
Socket type	2x 230 V shockproof sockets	2x 230 V shockproof sockets	2x 230 V shockproof sockets	1x 230 V shockproof sockets, 1 x 230 V 16 A	1 x 230V CCE 32A 1 x 230V safety socket
Generator IP degree of protection	IP 23	IP 23	IP 23	IP 23	IP 23
Socket IP degree of protection	IP 54	IP54	IP54	IP 44	IP 44
Dimensions (L x W x H)	640x458x400 mm	640x458x400 mm	623x409x500 mm	729x500x536 mm	729x500x536 mm
Weight	36 kg	38 kg	43 kg	61 kg	73 kg

\*Short-term maximum output \*\*Continuous output



# Power generators

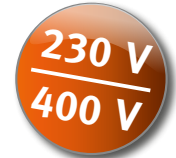
**PG series** – Professional synchronous generators, designed for demanding users and continuous commercial use. Highly suitable for machines with a high starting current, and for power tools

## PG 500 TRA and PG 800 TRA

- ▶ Long running time thanks to large 11l tank
- ▶ Electronic voltage control AVR
- ▶ Splash and impact protection through trim panels
- ▶ Connections ergonomically positioned on the front
- ▶ Overload protection through thermal circuit breaker
- ▶ Low oil level shut-off
- ▶ Short-term output of up to 3x rated output
- ▶ Universally deployable for 230V and 400V consumers

## PG 500 X-SEA and PG 800 X-SEA

- ▶ Long running time thanks to large 18l tank
- ▶ Electronic voltage control AVR
- ▶ Splash and impact protection through trim panels
- ▶ Connections ergonomically positioned on the front in a control panel with a voltmeter and an operating hour counter
- ▶ Thermal magnetic circuit breaker for protection against overload and short circuit caused by faulty consumers or cables
- ▶ Reliable personal protection thanks to insulation monitoring (device does not need to be grounded)
- ▶ Low oil level shut-off
- ▶ Really convenient thanks to electric starter



**HONDA**  
inside.

Large tank 11 l



PG 500 TRA

Large tank 11 l



PG 800 TRA

Large tank 18 l

Electric starter



PG 500 X-SEA

Large tank 18 l

Electric starter



PG 800 X-SEA

Model	PG 500 TRA	PG 800 TRA	PG 500 X-SEA	PG 800 X-SEA	Accessories	Art. no.
Art. no.	6701053	6701083	6702051	6702081	Chassis with fixed handles	6709900
					Chassis with folding handles	6709901
<b>Technical specifications</b>						
Voltage	230 V / 400 V	230 V / 400 V	230 V	230 V		
Emergency output LTP* 230 V	3.7 kW / 4.2 kVA	4.9 kW / 5.5 kVA	4.8 kW / 5.3 kVA	6.4 kW / 7.2 kVA		
Continuous output COP** 230 V	2.8 kW / 3.1 kVA	3.7 kW / 4.1 kVA	4.0 kW / 4.1 kVA	5.5 kW / 6.0 kVA		
Emergency output LTP 400 V	5.0 kW / 6.3 kVA	6.6 kW / 8.3 kVA	-	-		
Continuous output COP 400 V	4.3 kW / 5.4 kVA	5.6 kW / 7.0 kVA	-	-		
Motor	Honda GX270	Honda GX390	Honda GX270	Honda GX390		
Fuel	Petrol	Petrol	Petrol	Petrol		
Starter	Manual start	Manual start	Electric starter/ manual start	Electric starter/ manual start		
Fuel consumption at 75 % load	1.6 l/h	2.2 l/h	1.6 l/h	2.2 l/h		
Tank capacity	11 l	11 l	18 l	18 l		
Sound pressure level	71 dB(A)	72 dB(A)	71 dB(A)	72 dB(A)		
Weighted sound power level (LWA)	97 dB(A)	97 dB(A)	97 dB(A)	97 dB(A)		
Socket type	1 x 230 V 16 A	1 x 230 V 16 A	1x 230 V shock-proof sockets 1 x 230 V 32 A	1x 230 V shock-proof sockets 1 x 230 V 32 A		
	1 x 400 V 16 A	1 x 400 V 16 A				
Generator IP degree of protection	IP 23	IP 23	IP 23	IP 23		
Socket IP degree of protection	IP 44	IP 44	IP 44	IP 44		
Dimensions (L x W x H)	729 x 500 x 536 mm	729 x 500 x 536 mm	842 x 523 x 557 mm	842 x 523 x 557 mm		
Weight	75 kg	81 kg	76 kg	96 kg		

\*Short-term maximum output \*\*Continuous output



Chassis with fixed handles

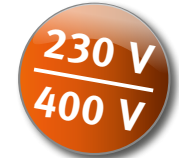


Chassis with folding handles

**PG series** – Professional synchronous generators, designed for demanding users and continuous commercial use. Highly suitable for machines with a high starting current, and for power tools

**PG 500 X-TEA, PG 800 X-TEA and PG 1200 X-TEA**

- ▶ Long running time thanks to large 18 l tank (PG 1200 X-TEA 24l)
- ▶ Electronic voltage control AVR
- ▶ Splash and impact protection through trim panels
- ▶ Connections ergonomically positioned on the front in a control panel with a voltmeter and an operating hour counter
- ▶ Thermal magnetic circuit breaker for protection against overload and short circuit caused by faulty consumers or cables
- ▶ Reliable personal protection thanks to insulation monitoring (device does not need to be grounded)
- ▶ Low oil level shut-off
- ▶ Really convenient thanks to electric starter



**HONDA**  
inside.

Large tank 18 l  
Electric starter



PG 500 X-TEA

Large tank 18 l  
Electric starter



PG 800 X-TEA

Large tank 24 l  
Electric starter



PG 1200 X-TEA

Model	PG 500 X-TEA	PG 800 X-TEA	PG 1200 X-TEA
Art. no.	6702053	6702083	6702123
<b>Technical specifications</b>			
Voltage	230 V / 400 V	230 V / 400 V	230 V / 400 V
Output LTP* / 230 V	3.7 kW / 4.2 kVA	4.9 kW / 5.5 kVA	8.3 kW / 9.2 kVA
Output COP** / 230 V	2.8 kW / 3.1 kVA	3.7 kW / 4.1 kVA	6.3 kW / 6.9 kVA
Output LTP* / 400 V	5.0 kW / 6.3 kVA	6.6 kW / 8.3 kVA	11.1 kW / 13.9 kVA
Output COP** / 400 V	4.3 kW / 5.4 kVA	5.6 kW / 7.0 kVA	9.5 kW / 11.8 kVA
Motor	Honda GX270	Honda GX390	Honda GX630
Fuel	Petrol	Petrol	Petrol
Starter	Electric starter/ manual start	Electric starter/ manual start	Electric starter
Fuel consumption at 75 % load	1.6 l/h	2.1 l/h	3.9 l/h
Tank capacity	18 l	18 l	24 l
Sound pressure level	71 dB(A)	72 dB(A)	70 dB(A)
Weighted sound power level (LWA)	97 dB(A)	97 dB(A)	96 dB(A)
Socket type	1x 230 V shockproof sockets 1 x 400 V 16 A	1x 230 V shockproof sockets 1 x 400 V 16 A	1x 230 V shockproof sockets 2 x 230 V 16 A 1 x 400 V 16 A
Generator IP degree of protection	IP 23	IP 23	IP 23
Socket IP degree of protection	IP 44	IP 44	IP 44
Dimensions (L x W x H)	842 x 523 x 557 mm	842 x 523 x 557 mm	960 x 641 x 667 mm
Weight	88 kg	99 kg	165 kg

\*Short-term maximum output \*\*Continuous output

Accessories	Art. no.
Standard wheelset	6709900
Wheelset with folding handles	6709901



Standard wheelset



Wheelset with folding handles

# Power generators

**PG series** – Professional synchronous generators, designed for demanding users and continuous commercial use. Highly suitable for machines with a high starting current, and for power tools

## PG 800 X-TEA-54 and PG 1200 X-TEA-54

- ▶ IP degree of protection IP 54
- ▶ Connections ergonomically positioned on the front in a control panel with a voltmeter and an operating hour counter
- ▶ Splash and impact protection through trim panels
- ▶ Long running time thanks to large 18l tank (PG 1200 X-TEA-54 24l)
- ▶ Really convenient thanks to electric starter
- ▶ Electronic voltage control AVR
- ▶ Thermal magnetic circuit breaker for protection against overload and short circuit caused by faulty consumers or cables
- ▶ Short-term output of up to 4x rated output
- ▶ 200 % asymmetric load capability
- ▶ Reliable personal protection thanks to insulation monitoring (device does not need to be grounded)
- ▶ Low oil level shut-off



**HONDA**

- Generator IP degree of protection IP 54
- Large tank 18 l
- Electric starter/manual start

- Generator IP degree of protection IP 54
- Large tank 24 l
- Electric starter



PG 800 X-TEA-54



PG 1200 X-TEA-54

Model	PG 800 X-TEA-54	PG 1200 X-TEA-54
Art. no.	6703083	6703123
<b>Technical specifications</b>		
Voltage	230 V / 400 V	230 V / 400 V
Output LTP* / 230 V	5.2 kW / 5.8 kVA	8.2 kW / 9.1 kVA
Output COP** / 230 V	3.6 kW / 4.0 kVA	6.2 kW / 7.0 kVA
Output LTP* / 400 V	7.1 kW / 8.8 kVA	11.1 kW / 13.8 kVA
Output COP** / 400 V	5.4 kW / 6.8 kVA	9.4 kW / 11.8 kVA
Motor	Honda GX390	Honda GX630
Fuel	Petrol	Petrol
Starter	Electric starter/manual start	Electric starter
Fuel consumption at 75 % load	1.9 l/h	3.9 l/h
Tank capacity	18 l	24 l
Sound pressure level	72 dB(A)	70 dB(A)
Weighted sound power level (LWA)	97 dB(A)	96 dB(A)
Socket type	1 x 230 V 16 A 1 x 400 V 16 A	3x 230 V shockproof sockets 1 x 400 V 16 A 1 x 400 V 32 A
Generator IP degree of protection	IP 54	IP 54
Socket IP degree of protection	IP 54	IP 54
Dimensions (L x W x H)	842 x 523 x 557 mm	960 x 641 x 667 mm
Weight	113 kg	170 kg

Accessories	Art. no.
Standard wheelset	6709900
Wheelset with folding handles	6709901



Standard wheelset



Wheelset with folding handles

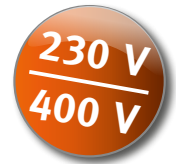
\*Short-term maximum output \*\*Continuous output



## PG series – for exacting requirements, diesel engine powered

### PG-D 600 TEA, PG-D 900 TEA and PG-D 1100 TEA

- ▶ Sound-insulated diesel engine (compliant with noise and exhaust gas emission regulations)
- ▶ Connections ergonomically positioned on the front in a control panel with a voltmeter and an operating hour counter
- ▶ Fully cladded for splash and impact protection
- ▶ Electronic voltage control AVR
- ▶ Thermal magnetic circuit breaker for protection against overload and short circuit caused by faulty consumers or cables
- ▶ Reliable personal protection thanks to insulation monitoring (device does not need to be grounded)
- ▶ Low oil level shut-off
- ▶ Long running time thanks to large 24 l tank
- ▶ Really convenient thanks to electric starter
- ▶ Model PG-D 1100 TEA with liquid-cooled engine



**DIESEL engine**  
**Silence**  
**Large tank 24 l**  
**Electric starter**



PG-D 600 TEA

**DIESEL engine**  
**Silence**  
**Large tank 24 l**  
**Electric starter**



PG-D 1100 TEA  
with optional wheelset

**DIESEL engine**  
**Silence**  
**Large tank 24 l**  
**Electric starter**



PG-D 900 TEA

Model	PG-D 600 TEA	PG-D 900 TEA	PG-D 1100 TEA	Accessories	Art. no.
Art. no.	6704063	6704093	6704123	Wheelset PG-D 600/900 TEA	6709930
				Wheelset PG-D 1100 TEA	6709931
<b>Technical specifications</b>					
Voltage	230 V / 400 V	230 V / 400 V	230 V / 400 V		
Emergency output LTP* 230 V	2.5 kW / 3.2 kVA	4.3 kW / 5.4 kVA	5.3 kW / 6.6 kVA		
Continuous output COP** 230 V	2.4 kW / 3.0 kVA	4 kW / 5.0 kVA	4.8 kW / 6.0 kVA		
Emergency output LTP 400 V	5.5 kW / 6.9 kVA	8.5 kW / 10.6 kVA	8.6 kW / 10.8 kVA		
Continuous output COP 400 V	4.5 kW / 5.6 kVA	7.3 kW / 9.1 kVA	8.0 kW / 10.0 kVA		
Motor	Yanmar L100N	Lombardini 25LD330	Yanmar 3TNV70		
Fuel	Diesel	Diesel	Diesel		
Starter	Electric starter	Electric starter	Electric starter		
Fuel consumption at 75 % load	1.4 l/h	2.0 l/h	3.0 l/h		
Tank capacity	24 l	24 l	24 l		
Sound pressure level	67 dB(A)	72 dB(A)	70 dB(A)		
Weighted sound power level (LWA)	93 dB(A)	97 dB(A)	96 dB(A)		
Socket type	1x 230 V shockproof sockets	1x 230 V shockproof sockets	1 x 230 V 16 A		
	2 x 230 V 16 A	2 x 230 V 16 A	1 x 230 V 32 A		
	1 x 400 V 16 A	1 x 400 V 16 A	1 x 400 V 16 A		
Generator IP degree of protection	IP 23	IP 23	IP 23		
Socket IP degree of protection	IP 44	IP 44	IP 44		
Dimensions (L x W x H)	945 x 595 x 825 mm	945 x 595 x 825 mm	1451 x 650 x 975 mm		
Weight	186 kg	207 kg	325 kg		

\*Short-term maximum output \*\*Continuous output



# FINANCING THROUGH LEASING

Leasing offers companies a number of advantages over purchase or credit financing. The most important aspects are:

## Tax benefits

Leasing instalments are fully tax deductible as operating expenses if the leased object is assigned to the lessor for tax purposes.

## Balance sheet neutral

Leasing objects do not appear in the lessee's balance sheet. Only the leasing instalments are recorded as operating expenses in the profit and loss account. The equity ratio and the debt ratio do not change. The lessor capitalises the leased asset as fixed assets or leased assets. (Off-balance-sheet financing)

## Calculation basis

The leasing rate is not influenced by changes in interest rates or ratings, even in the long term, and thus serves as a reliable basis for calculation.

## Liquidity

Since the leasing company is responsible for financing the object, the lessee has more financial leeway for future decisions. Additionally, dependency on banks is reduced.

## "Pay as you earn" considerations

As the leasing instalments are due parallel to the use of the object, the leasing object more or less finances itself (effect/cost congruity). Financing costs are spread over the duration of use and thus also over the period in which income is generated from the object. Advance financing is thus avoided.

## Planning reliability

The amount of the leasing instalments and contract term are fixed from the start.

## Individual contract design

The individual contract design with regard to term, amortisation and payment flow, and method of payment makes it possible to adapt to different needs.



Please ask us for your personal quotation!

Talk to your retailer or request information by email **free of charge and without obligation** at [leasing@stma.de](mailto:leasing@stma.de).



## Leasing examples

Model	Art. no.	Special offer price € plus VAT	Term in months	Leasing instalment (monthly)	Leasing
A-K-MAX 7.5-10-270F (IE3)	2095424	<b>4,699.00</b>	60	<b>106.24</b>	Full amortisation
OPTImill MH 50G	3338180	<b>5,049.00</b>	54	<b>126.76</b>	Full amortisation
OPTImill MZ 2	3346220	<b>29,999.00</b>	54	<b>734.94</b>	Full amortisation
OPTIturn TZ 4	3432240	<b>14,599.00</b>	54	<b>368.49</b>	Full amortisation
BMBS 300 x 320 H-DG	3680012	<b>6,099.00</b>	72	<b>118.50</b>	Full amortisation
minimax si x 32 A	5508780	<b>15,650.00</b>	54	<b>394.88</b>	Full amortisation
minimax si 400es 32	5504754	<b>6,889.00</b>	54	<b>174.93</b>	Full amortisation
minimax me 35tn	5507036	<b>16,299.00</b>	54	<b>411.17</b>	Full amortisation
PRO.PULS 330W SET	1085332SET	<b>4,699.00</b>	54	<b>117.97</b>	Full amortisation
ASSM 560	7203056	<b>5,599.00</b>	54	<b>140.56</b>	Full amortisation



# Workshop equipment

# Vice/work mats

## Vices – with tubular clamping jaws and turntable

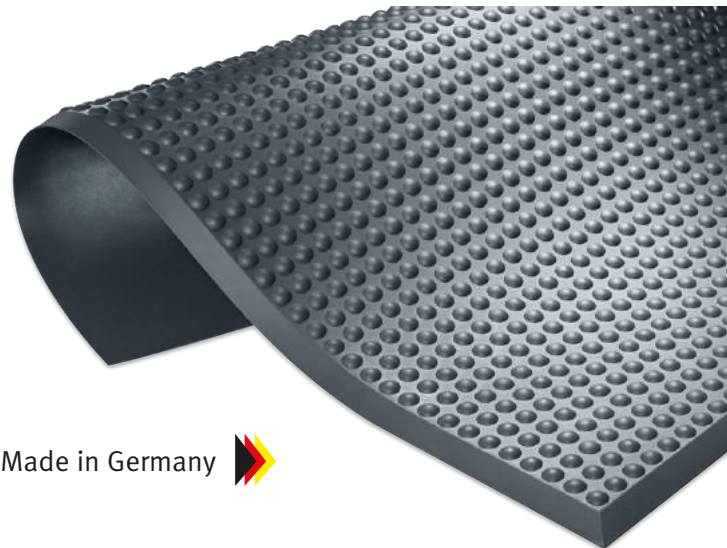
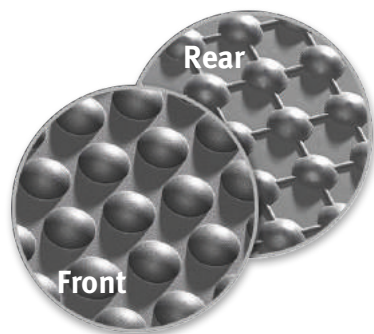
- ▶ Quality vices opening to the front made of break-proof cast iron
- ▶ Replaceable clamping jaws with grooved teeth
- ▶ Adjustable guide for parallel clamping
- ▶ With removable pipe-clamping jaws
- ▶ Large, anvil surface for smaller straightening and ramming work
- ▶ Spindle guide in housing offers optimum protection against damage and soiling
- ▶ Foot rotates continuously through 360° with locking option
- ▶ Painted in hammer effect blue



Model	Vice 100 mm	Vice 125 mm	Vice 150 mm	Vice 175 mm
Art. no.	6350100	6350125	6350150	6350175
<b>Technical specifications</b>				
Jaw width	100 mm	125 mm	150 mm	175 mm
Min. clamping width	102 mm	125 mm	152 mm	180 mm
Max. clamping width	110 mm	138 mm	155 mm	210 mm
Clamping depth	66 mm	82 mm	104 mm	108 mm
Anvil size	73 x 58 mm	78 x 73 mm	90 x 84 mm	104 x 99 mm
Total length	305 mm	355 mm	455 mm	530 mm
Turntable	128 mm	145 mm	165 mm	190 mm
Drill holes in turntable Ø	10.3 mm	13.5 mm	14 mm	14 mm
Weight	8.3 kg	12.4 kg	18.4 kg	27.4 kg

## Workplace mats – for dry and wet areas

- ▶ Fire-resistant
- ▶ Made of polyurethane on polyether basis
- ▶ Surface: nubbed
- ▶ Underside: nubbed for maximum standing comfort and slip resistance
- ▶ 5-year warranty



Model	Work mat 1 840 x 640 mm	Work mat 1 840 x 940 mm	Work mat 3 040 x 640 mm	Work mat 3 040 x 940 mm
Art. no.	6800000	6800005	6800001	6800006
<b>Technical specifications</b>				
Thickness	14 mm	14 mm	14 mm	14 mm
Colour	anthracite	anthracite	anthracite	anthracite
Temperature resistant	-35 °C to +95 °C	-35 °C to +95 °C	-35 °C to +95 °C	-35 °C to +95 °C
Fire classification	B1 as per DIN 4102	B1 as per DIN 4102	B1 as per DIN 4102	B1 as per DIN 4102
Dimensions	1 840 x 640 mm	1 840 x 940 mm	3 040 x 640 mm	3 040 x 940 mm
Weight	6 kg	9 kg	10.5 kg	15 kg



## Part washing unit TWG 1 – closed design for thorough cleaning of complex parts

### Optimum cleaning even in places that a brush or cloth cannot touch

- ▶ Even complex automotive parts can be quickly and easily cleaned and degreased before soldering or painting
- ▶ Gun with high working pressure for fast cleaning and blowing out
- ▶ Optimum view of the work area thanks to bright interior lighting and large view window

### Clean work

- ▶ The closed design means that the dirt stays in the cabin
- ▶ A ventilator ensures clean air in the interior
- ▶ Comfortable protective gloves integrated into housing

### Well thought-out details

- ▶ Large, smooth action lid for fast and easy loading and unloading
- ▶ The cabin fits on any workbench thanks to its compact design
- ▶ Screen, support grid and water tank are easily removable
- ▶ Single compressed air connection on right side of cabin

- › Thorough cleaning of complex parts
- › Cleaning gun with dual function
- › Compact design



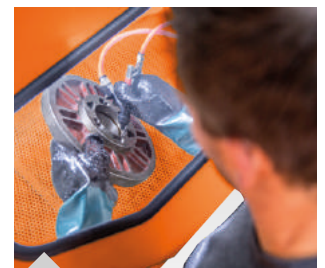
Cleaning gun with dual function, cleaning and blowing out



The cabin fits on any workbench thanks to its compact design



Large, smooth action lid for fast and easy loading and unloading



Optimum view of the work area thanks to bright interior lighting and large view window

Model		TWG 1
Art. no.		6220001
<b>Technical specifications</b>		
Cleaning agent flow rate	l/min	0.8
Detergent tank capacity	l	4 – 9
Max. weight on support grid	kg	40
<b>Pneumatic connection</b>		
Working pressure	bar	5 – 8
Requirement approx.	l/min	140
Connection thread	“	1/4
<b>Electrical connection</b>		
Rating	kW	0.04
Electrical voltage	V	230
Phase(s)	Ph	1
Current type		AC
Mains frequency	Hz	50
Power cable length	m	1.5
<b>Dimensions and weights</b>		
Cabin volume	l	140
Hand hole diameter	mm	100
Length x width x height cabin cell	mm	736 x 560 x 450
Length x width x height	mm	785 x 595 x 700
Weight	kg	29.5



Universal cleaning agent UR-Spezial 10l



For matching compressors see the AIRCRAFT catalogue, or visit [www.aircraft-kompressoren.com](http://www.aircraft-kompressoren.com)

Accessories	Art. no.
Cleaning and blow-out gun	6231000
Fluorescent tube	6231001
View window	6231002
Gloves	6231003
Universal cleaning agent UR-Spezial 10l	7321910

alkaline with pH value of 12

# Sandblasting cabinets

## SSK Series - Sandblasting cabins for clean blasting work without soiling the work environment

- ▶ Suitable for a variety of blasting agents, e.g. quartz, glass peen shot, plastic peen shot, and more
- ▶ Ideal for paint removal or for cleaning and rust removal on metal parts of any type
- ▶ Premium latex work gloves fastened on housing
- ▶ View window and adhesion-bonded protective film, for the best possible view and

- occupational protection while processing the workpiece
- ▶ Cover and door frame featuring all-around seals for dust-free work
- ▶ With stable grid shelf for depositing workpieces on the inside of the cabinet
- ▶ With drain opening for changing the blasting agent

- ▶ Extraction hose for blasting agent fastened on bottom of catchment container
- ▶ With external compressed air coupling
- ▶ Glass bead blasting agent, corundum blasting agent, silicon carbide, plastic blasting agent and many others usable



- SSK 1**
- ▶ 12-volt neon tube with 230-volt power supply and external switch



- SSK 1.5**
- ▶ Maximum working pressure controllable via pressure controller with pressure gauge
  - ▶ Air flow controlled via foot pedal
  - ▶ 12-volt neon tube with 230-volt power supply and external switch
  - ▶ Integrated extraction unit with replaceable air filter



- SSK 2**
- ▶ One large door on the side for loading and unloading
  - ▶ Two exhaust air openings (1 exhaust air connection  $\varnothing$  92 mm and 1 exhaust air duct  $\varnothing$  64 mm) for connecting to an extraction unit
  - ▶ 12-volt neon tube with 230-volt power supply and external switch



- SSK 2.5**
- ▶ Two large doors for loading and unloading at both sides, also for longer workpieces
  - ▶ Integrated extraction unit with replaceable air filter
  - ▶ Air flow controlled via foot pedal
  - ▶ Two blasting guns: one fixed and one freely-movable blasting gun
  - ▶ Three separate switches for on/off, extraction and cell lighting
  - ▶ Two neon tubes (230-volt), in separate housing with protective pane and replaceable protective film, including 5 replacement films
  - ▶ Maximum working pressure controllable via pressure controller with pressure gauge

### Scope of delivery SSK 1/2/2.5/3.1/4:

- ▶ Premium blasting gun with ceramic nozzle
- ▶ 5 replacement films for view window
- ▶ **SSK 1/2/3.1/4:** 4 ceramic nozzles (4 / 5 / 6 / 7 mm)
- ▶ **SSK 2.5:** 4 ceramic nozzles (2 x 6 mm/ 2 x 7 mm)

### Scope of delivery SSK 1.5:

- ▶ 3 ceramic nozzles (3.5 mm)
- ▶ 3 replacement films for view window

Model	SSK 1	SSK 1.5	SSK 2	SSK 2.5
Art. no.	6204000	6204010	6204001	6204003
Cabin volume	90 l	25.4 l	220 l	310 l
Air consumption approx.	200 – 350 l/min	196 l/min	200 – 350 l/min	200 – 350 l/min
Working pressure	2.8 – 8.0 bar	5.5 – 7.9 bar	2.8 – 8.0 bar	4.1 – 8.0 bar
Max. inlet pressure	8.6 bar	8.5 bar	8.6 bar	8.3 bar
Compressed air connection	3/8"	1/4"	3/8"	3/8"
Abrasive grain size	0.12 – 0.18 mm	0.12 – 0.25 mm	0.12 – 0.25 mm	0.125 – 0.42 mm
Cabin interior dimensions (L x W x H)	580 x 480 x 300 mm	410 x 310 x 200	840 x 550 x 360 mm	945 x 605 x 605 mm
Exterior dimensions (L x W x H)	590 x 485 x 490 mm	475 x 370 x 370	950 x 660 x 1 380 mm	960 x 900 x 1 640 mm
Weight	17.25 kg	12.5 kg	48 kg	90 kg
Max. weight on support grille	10 kg	10 kg	80 kg	120 kg
max. weight of blasting agent	12 kg	5.45 kg	50 kg	50 kg
Extraction performance	–	–	–	7.9 m <sup>3</sup> /h
Extraction unit current draw	–	–	–	1 200 W
Extraction unit negative pressure	–	–	–	8.5 kPa
Extraction unit volume flow	–	–	–	156 m <sup>3</sup> /h

Accessories for SSK 1	PQ	Art. no.	Accessories for SSK 1.5	PQ	Art. no.	Accessories for SSK 2	PQ	Art. no.	Accessories for SSK 2.5	PQ	Art. no.
Gloves		6204100	Gloves		6204160	Sand blasting gun		6204101	Sand blasting gun		6204101
Sand blasting gun		6204101	Filter		6204162	Gloves		6204110	Sand blasting gun fixed		6204105
Filter		6204102	Ceramic nozzle 3.5 mm		6204163	Protective film	5	6204111	Gloves		6204120
Protective film	5	6204103	Protective film	5	6204164	View window		6204112	Filter		6204123
View window		6204104	View window		6204165	Fluorescent tube		6204113	Protective film	5	6204111
Ceramic nozzle set 4/5/6/7mm		6204130	Fluorescent tube		6204166	Ceramic nozzle set 4/5/6/7mm		6204130	View window		6204122
Composite nozzle 6 mm		6204132				Composite nozzle 6 mm		6204132	Fluorescent tube		6204127
Fluorescent tube		6204113							Protective pane for lighting		6204125
									Protective film for lighting	5	6204126
									Ceramic nozzle set 4/5/6/7 mm		6204130
									Composite nozzle 6 mm		6204132



Sand blasting gun fixed (Art. no.: 6204105)



Composite nozzle 6 mm (Art. no.: 6204132)



Boron carbide nozzle 6 mm (Art. no.: 6204133)

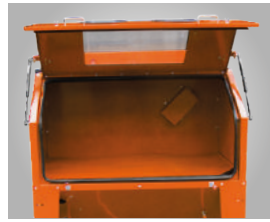


Fig. shows SSK 3.1 featuring a very large front flap which opens upward



SSK 3.1/SK 4:  
Integrated extraction unit with replaceable air filter



### SSK 3.1

- ▶ Very large front hood opens upward for fast and easy loading and unloading
- ▶ Integrated extraction unit with replaceable air filter
- ▶ Blasting gun without trigger - air flow controlled via foot pedal
- ▶ Two neon tubes (230-volt), in separate housing with protective pane and replaceable protective film, including 5 replacement films
- ▶ Light switch with dual function: extraction and cabin lighting are switched on and off at the same time
- ▶ Maximum working pressure controllable via pressure controller with pressure gauge

### SSK 4

- ▶ Very large front hood opens upward for fast and easy loading and unloading
- ▶ Integrated extraction unit with replaceable air filter
- ▶ Blasting gun without trigger - air flow controlled via foot pedal
- ▶ Four neon tubes (230-volt), in separate housing with protective pane and replaceable protective film, including 5 replacement films
- ▶ Two separate switches for on/off, extraction and cell lighting
- ▶ Maximum working pressure controllable via pressure controller with pressure gauge
- ▶ Cross-beams on base allow for easy transport with a pallet truck



Fig. shows SSK 4 application

Model	SSK 3.1	SSK 4
Art. no.	6204005	6204004

Cabin volume	360 l	825 l
Air consumption approx.	400 – 800 l/min	400 – 800 l/min
Working pressure	3.4 – 8.0 bar	3.4 – 8.0 bar
Max. inlet pressure	8.6 bar	8.6 bar
Compressed air connection	3/8"	3/8"
Abrasive grain size	0.125 – 0.42 mm	0.125 – 0.42 mm
Cabin interior dimensions (L x W x H)	1 160 x 580 x 580 mm	1 160 x 870 x 850 mm
Exterior dimensions (L x W x H)	1 225 x 935 x 1 640 mm	1 320 x 1 200 x 1 760 mm
Weight	115 kg	160 kg
Max. weight on support grille	120 kg	150 kg
max. weight of blasting agent	75 kg	75 kg
Extraction performance	17.4 m <sup>3</sup> /h	17.4 m <sup>3</sup> /h
Extraction unit current draw	1 200 W	1 200 W
Extraction unit negative pressure	8.5 kPa	8.5 kPa
Extraction unit volume flow	156 m <sup>3</sup> /h	156 m <sup>3</sup> /h

### Grain sizes usable

U.S. mesh	Inch	mm	µm
60	0.0098	0.250	250
70	0.0083	0.210	210
80	0.0070	0.177	177
100	0.0059	0.149	149
120	0.0049	0.125	125

Accessories for SSK 3.1	PQ	Art. no.
Gloves		6204120
Protective film	5	6204111
View window		6204122
Filter		6204123
Sand blasting gun		6204124
Protective pane for lighting		6204125
Protective film for lighting	5	6204126
Fluorescent tube		6204127
Boron carbide nozzle 6 mm		6204133
Boron carbide nozzle 7 mm		6204134
Ceramic nozzle set 2 x 6 mm / 2 x 7 mm		6204131

Accessories for SSK 4	PQ	Art. no.
Sand blasting gun		6204124
Gloves		6204120
Filter		6204123
Protective film	5	6204151
View window		6204150
Fluorescent tube		6204152
Protective pane for lighting		6204154
Protective film for lighting	5	6204153
Boron carbide nozzle 6 mm		6204133
Boron carbide nozzle 7 mm		6204134
Ceramic nozzle set 2 x 6 mm / 2 x 7 mm		6204131



For matching compressors see the main AIRCRAFT catalogue, or visit [www.aircraft-kompressoren.com](http://www.aircraft-kompressoren.com)



# Mobile fans

## Serie MV – portable axial ventilators

- ▶ Supply fresh air to poorly ventilated or closed rooms, such as cellars
- ▶ Extraction of moist air, hot air, welding fumes, smoke, exhaust gases, or odours
- ▶ Useful for cooling, aerating, drying and air circulation in large rooms such as factory shops, workshops, warehouses, building sites, etc.
- ▶ High-density polypropylene housing for great durability
- ▶ Large impeller generates high air volume

### Accessories

- ▶ Aeration, ventilation and air recirculation, also over longer distances after connecting the air transport hoses available as accessories
- ▶ Longer hose distances possible by connecting multiple air transport hoses



MV 300 P



MV 400 P

Model	MV 300 P	MV 400 P
Art. no.	6261030	6261040

Technical specifications	MV 300 P*	MV 400 P*
Current draw S1	750 W	750 W
Motor speed	2 850 rpm	2 850 rpm
Supply voltage	230 V / 50 Hz	230 V / 50 Hz
Max. air flow	3 230 m <sup>3</sup> /h	7 220 m <sup>3</sup> /h
Outlet size	Ø 285 mm	Ø 392 mm
Intake diameter	Ø 285 mm	Ø 392 mm
Sound pressure level	53 dB(A)	62 dB(A)
Dimensions (L x W x H)	495 x 385 x 520 mm	560 x 545 x 590 mm
Weight	13.5 kg	17 kg



Accessories MV 300 P	Article no.
Air delivery hose Ø300m length 10m	6260130
Accessories MV 400 P	Article no.
Air delivery hose Ø400m length 10m	6260140

## MVT series – portable axial ventilators incl. air conveying hose in a practical transport box

- ▶ Supply fresh air to poorly ventilated or closed rooms, such as cellars
- ▶ Extraction of moist air, hot air, welding fumes, smoke, exhaust gases, or odours
- ▶ Useful for cooling, aerating, drying and air circulation in large rooms such as factory shops, workshops, warehouses, building sites, etc.
- ▶ High-density polypropylene housing for great durability
- ▶ Large impeller generates high air volume

### Accessories

- ▶ Aeration, ventilation and air recirculation, also over longer distances after connecting the air transport hoses available as accessories
- ▶ Longer hose distances possible by connecting multiple air transport hoses



MVT 300 P SET



Model	MVT 200 P SET	MVT 300 P SET
Art. no.	6261021	6261031

Technical specifications	MVT 200 P SET	MVT 300 P SET
Current draw S1	225 W	750 W
Motor speed	2 900 rpm	2 850 rpm
Supply voltage	230 V / 50 Hz	230 V / 50 Hz
Max. air flow	1 560 m <sup>3</sup> /h	3 220 m <sup>3</sup> /h
Outlet size	Ø 183 mm	Ø 248 mm
Intake diameter	Ø 216 mm	Ø 320 mm
Sound pressure level	43 dB(A)	50 dB(A)
Dimensions (L x W x H)	335 x 330 x 370 mm	450 x 450 x 495 mm
Weight	7 kg	12 kg

**Scope of delivery:**  
 ▶ Air delivery hose 5 m



Accessories MVT 200 P SET	Article no.
Air delivery hose Ø200 m length 10 m	6260120
Accessories MVT 300 P SET	Article no.
Air delivery hose Ø300 m length 10 m	6260130

## MV Series – Mobile fans for industrial use

### Application

- ▶ Extraction of moist air, hot air, welding fumes, smoke, exhaust gases, or odours
- ▶ Supplying fresh air to poorly ventilated places
- ▶ Useful for cooling, aerating, drying and ventilating large rooms such as factory shops, workshops, warehouses, building sites, etc.

### Accessories

- ▶ Aeration, ventilation and air recirculation, also over longer distances after connecting the air transport hoses available as accessories
- ▶ Longer hose distances possible by connecting multiple air transport hoses



**MV 30**

- ▶ Portable model with handle
- ▶ Four rubber feet, for stability and low vibration



**MV 50**



**MV 60**

#### Scope of supply MV 30:

- > Carrying handle
- > 4 rubber feet

#### Scope of supply MV 50:

- > 2 steering rollers
- > 2 fixed rollers

#### Scope of supply MV 60:

- > 2 steering rollers
- > 2 fixed rollers

Model	MV 30	MV 50	MV 60
Art. no.	6260030	6260050	6260060

Technical specifications	MV 30	MV 50	MV 60
Basket ø	380 mm	580 mm	685 mm
Impeller ø	300 mm	500 mm	600 mm
Max. air flow	3 900 m <sup>3</sup> /h	9 000 m <sup>3</sup> /h	14 400 m <sup>3</sup> /h
Speed	2 800 rpm	1 400 rpm	1 400 rpm
Services	500 W	1 100 W	2 000 W
Voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Weight	15 kg	39 kg	64 kg
Dimensions (L x W x H)	420 x 380 x 380 mm	670 x 670 x 485 mm	770 x 770 x 575 mm

### Accessories



**Air transport hoses**, length 10 m, Longer hose distances possible by connecting multiple hoses, operating temperature -20 to +80 °C

Diameter	Art. no.
300 mm	6260130
500 mm	6260150
600 mm	6260160

# Radial fans

## RV series – portable, compact radial ventilators

- ▶ Supply fresh air to poorly ventilated or closed rooms
- ▶ Ideal for drying paintwork, flooring and carpets
- ▶ Large impeller generates high air volume
- ▶ Radial design generates higher air pressures than axial ventilators
- ▶ Device usable in various positions
- ▶ With practical cable holder
- ▶ High-density polypropylene housing for great durability



RV 145 P



RV 241 P



RV 270 P

Model	RV 145 P	RV 241 P	RV 270 P
Art. no.	6262014	6262024	6262027

Technical specifications	RV 145 P	RV 241 P	RV 270 P
Current draw S1	62 W	370 W	800 W
Motor speed	1 300 rpm	1 100 rpm	1 400 rpm
Supply voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Max. air flow	570 m <sup>3</sup> /h	1 900 / 1 730 / 1 550 m <sup>3</sup> /h	2 380 / 2 200 / 2 040 m <sup>3</sup> /h
Outlet size	233 x 67 mm	382 x 93 mm	423 x 88 mm
Intake diameter	Ø127 mm	Ø191 mm	288 mm
Sound pressure level	24 dB(A)	42 dB(A)	55 dB(A)
Dimensions (L x W x H)	275 x 300 x 320 mm	465 x 425 x 465 mm	495 x 490 x 470 mm
Weight	3.5 kg	11.5 kg	16 kg



Device usable in various positions

## LEF series – reliable and efficient dryers

- ▶ Suitable for drying buildings, moist rooms, e.g., after water damage or on building sites
- ▶ Prevents condensation and mould growth
- ▶ Mobile, impact-proof housing for great durability
- ▶ Equipped with temperature control, thawing control, self-monitoring system, automatic hygrostatic control, and environmentally-friendly refrigerant R410A
- ▶ Control unit equipped with Smart-Touch buttons, countdown display and operating hours counter
- ▶ With removable and washable filters for use in dusty rooms
- ▶ Automatic restart in case of power outage
- ▶ Powerful but with low power consumption
- ▶ With outlet duct ports
- ▶ Low noise level
- ▶ With practical cable holder



LEF 90 S



Control unit equipped with Smart-Touch buttons, countdown display and operating hours counter



Folding bar for space-saving storage

Model	LEF 50 S	LEF 70 S	LEF 90 S
Art. no.	6262050	6262070	6262090

Technical specifications	LEF 50 S	LEF 70 S	LEF 90 S
Drying performance*	50 l/day	70 l/day	90 l/day
Operating temperature	1-36 °C	1-36 °C	1-36 °C
Rating	550 W	750 W	960 W
Supply voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Max. air flow	600 m <sup>3</sup> /h	700 m <sup>3</sup> /h	850 m <sup>3</sup> /h
Intake diameter	Ø150 mm	Ø150 mm	Ø150 mm
Outlet size	303 x 285 mm	317 x 280 mm	317 x 280 mm
Sound pressure level	42 dB(A)	45 dB(A)	48 dB(A)
Dimensions (L x W x H)	550 x 500 x 700 mm	555 x 480 x 820 mm	555 x 480 x 820 mm
Weight	36 kg	38.5 kg	41 kg



## RV series – Radial fans with single-side intake and housing for versatile use

- ▶ For extracting chips, smoke, grains, wood and plastic particles, etc.
- ▶ High efficiency thanks to effective form

### RV 100:

- ▶ Portable, compact radial fan for extraction in the assembly area



**Curved impellers** ensure energy saving, low-noise operation



RV 125



RV 125



RV 100



RV 180

### Scope of delivery RV 100:

- › Carrying handle
- › Base plate

### Scope of delivery RV 125:

- › Baseplate with frame

### Scope of delivery RV 180:

- › Baseplate with frame

Model	RV 100	RV 125	RV 180
Art. no.	6261100	6261125	6261180
<b>Technical specifications</b>			
Max. air flow	829 m <sup>3</sup> /h	1 210 m <sup>3</sup> /h	2 044 m <sup>3</sup> /h
Impeller diameter	270 mm	295 mm	305 mm
Air exit speed	30 m/s	22 m/s	28 m/s
Intake port diameter	100 mm	125 mm	175 mm
Outlet diameter	127 mm	150 mm	177.8 mm
Output performance drive motor P2	0.75 kW	1.1 kW	1.5 kW
Motor speed	2 850 rpm	2 850 rpm	2 850 rpm
Voltage	230 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Sound pressure level	68 dB(A)	68 dB(A)	70 dB(A)
Weight	18 kg	35 kg	52 kg
Dimensions (L x W x H)	411 x 374 x 417 mm	589 x 568 x 540 mm	712 x 693 x 690 mm

### Accessories



**Polyurethane flex-hose**, transparent with spiral

Nominal width	Length	Art. no.
Ø 100 mm for RV 100	10 m	5142503
Ø 125 mm for RV 125	10 m	5142509
Ø 150 mm for RV 125	10 m	5142506
Ø 180 mm for RV 180	10 m	5142511