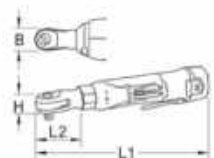


CORDLESS REVERSIBLE RATCHETS

Cordless reversible ratchet

- Lightweight
- Handy and ergonomic dual component housing
- Square drive adaptor to DIN 3120 / ISO 1174
- With practical clockwise and anticlockwise reversing function
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing



1/4"

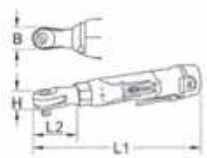
Technical data:
 Drive: 1/4"
 Electrical Voltage: 10,8 V
 Speed: 220 r.p.m.
 Torque max.: 34 Nm
 No load current: 5 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah
 Weight (basic unit + battery): 905 g

	L1 mm	L2 mm	B mm	H mm	Span nutset brakes set	Battery pack	Number of Charge stations		
515.3499	275,0	80,0	30,0	35,0	515.3595	515.3592	0	0	1,00
515.3500	275,0	80,0	30,0	35,0	515.3595	515.3592	1	1	1,90
515.3501	275,0	80,0	30,0	35,0	515.3595	515.3592	2	1	2,10



Cordless reversible ratchet

- Lightweight
- Handy and ergonomic dual component housing
- Square drive adaptor to DIN 3120 / ISO 1174
- With practical clockwise and anticlockwise reversing function
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing



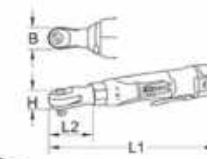
3/8"

Technical data:
 Drive: 3/8"
 Electrical Voltage: 10,8 V
 Speed: 220 r.p.m.
 Torque max.: 49 Nm
 No load current: 5 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah
 Weight (basic unit + battery): 960 g

	L1 mm	L2 mm	B mm	H mm	Span nutset brakes set	Battery pack	Number of Charge stations		
515.3504	270,0	55,0	30,0	35,0	515.3595	515.3592	0	0	1,00
515.3505	270,0	55,0	30,0	35,0	515.3595	515.3592	1	1	1,90
515.3506	270,0	55,0	30,0	35,0	515.3595	515.3592	2	1	2,10

Cordless reversible ratchet

- Lightweight
- Handy and ergonomic dual component housing
- Square drive adaptor to DIN 3120 / ISO 1174
- With practical clockwise and anticlockwise reversing function
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing



1/2"

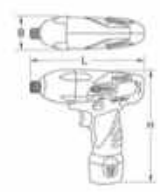
Technical data:
 Drive: 1/2"
 Electrical Voltage: 10,8 V
 Speed: 180 rpm
 Torque max.: 62 Nm
 No load current: 5 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah
 Weight (basic unit + battery): 1,30 kg

	L1 mm	L2 mm	B mm	H mm	Span nutset brakes set	Battery pack	Number of Charge stations		
515.3508	300,0	80,0	40,0	45,0	515.3595	515.3592	0	0	1,20
515.3510	300,0	80,0	40,0	45,0	515.3595	515.3592	1	1	2,10
515.3511	300,0	80,0	40,0	45,0	515.3595	515.3592	2	1	2,30

CORDLESS IMPACT WRENCH

Cordless impact screwdriver

- Lightweight
- Handy and ergonomic dual component housing
- Tool holder female hexagon 6 point to DIN 3163 - E6,3
- With practical clockwise and anticlockwise reversing function
- Stepless controllable motor speed through electronic switch
- With industrial hammer mechanism
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



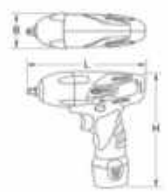
1/4"

Technical data:
 Drive: 1/4"
 Electrical Voltage: 10,8 V
 Speed: 0 - 1870 rpm
 Torque max.: 117 Nm
 No load current: 3,5 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 1,5 Ah

	L mm	B mm	H mm	Span nutset brakes set	Battery pack	Number of Charge stations		
515.3538	190,0	55,0	195,0	515.3595	515.3592	0	0	1,50
515.3540	190,0	55,0	195,0	515.3595	515.3592	1	1	2,40
515.3541	190,0	55,0	195,0	515.3595	515.3592	2	1	2,60

Cordless impact wrench

- Lightweight
- Handy and ergonomic dual component housing
- Square drive adaptor to DIN 3120 / ISO 1174
- With practical clockwise and anticlockwise reversing function
- Stepless controllable motor speed through electronic switch
- With industrial hammer mechanism
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



3/8"

Technical data:
 Drive: 3/8"
 Electrical Voltage: 10,8 V
 Speed: 0 - 1870 rpm
 Torque max.: 117 Nm
 No load current: 3,5 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah
 Weight (basic unit + battery): 1,10 kg

	L mm	B mm	H mm	Span nutset brakes set	Battery pack	Number of Charge stations		
515.3514	190,0	55,0	195,0	515.3595	515.3592	0	0	1,80
515.3515	190,0	55,0	195,0	515.3595	515.3592	1	1	2,40
515.3516	190,0	55,0	195,0	515.3595	515.3592	2	1	2,60

Cordless impact wrench

- Handy and ergonomic dual component housing
- Square drive adaptor to DIN 3120 / ISO 1174
- With practical clockwise and anticlockwise switch
- Stepless controllable motor speed through electronic switch
- With industrial hammer mechanism
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Drive: 1/2"
 Electrical Voltage: 18 V
 Speed: 0 - 2000 rpm
 Torque max.: 402 Nm
 No load current: 3,5 A
 Charging time: 1 hour
 Rechargeable battery: 18 V - 4,0 Ah

	L mm	B mm	H mm	Square carbon brushes set	Battery pack	Number of Charge Stations	Icon	
515.3519	240,8	80,0	273,0	515.3596	515.3599	0	0	2,90
515.3520	240,8	80,0	273,0	515.3596	515.3599	1	1	3,60
515.3521	240,8	80,0	273,0	515.3596	515.3599	2	1	4,40

Cordless impact wrench with torque control

- Handy and ergonomic dual component housing
- Square drive adaptor to DIN 3120 / ISO 1174
- With practical clockwise and anticlockwise reversing function
- With 6 torque-stages
- With industrial hammer mechanism
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Drive: 1/2"
 Electrical Voltage: 18 V
 Speed: 0 - 1900 rpm
 Torque max.: 539 Nm
 Torque stages: 6 stages
 No load current: 3,5 A
 Charging time: 1 hour
 Rechargeable battery: 18 V - 4,0 Ah

	L mm	B mm	H mm	Square carbon brushes set	Battery pack	Number of Charge Stations	Icon	
515.3524	256,0	80,0	273,0	515.3596	515.3599	0	0	2,50
515.3525	256,0	80,0	273,0	515.3596	515.3599	1	1	3,80
515.3526	256,0	80,0	273,0	515.3596	515.3599	2	1	4,60

CORDLESS DRILL MACHINES

Cordless screwdriver

- Lightweight
- Handy and ergonomic dual component housing
- Hexagon socket holder in accordance with DIN 3126 - E6,3
- With practical clockwise and anticlockwise reversing function
- Stepless controllable motor speed through electronic switch
- With torque control
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Drive: 1/4"
 Electrical Voltage: 10,8 V
 Speed: 0 - 400 rpm
 Torque max.: 24 Nm
 Torque stages: 1 - 16 stages
 No load current: 2,9 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Square carbon brushes set	Battery pack	Number of Charge Stations	Icon	
515.3529	148,0	55,0	190,0	515.3595	515.3592	0	0	1,50
515.3530	148,0	55,0	190,0	515.3595	515.3592	1	1	2,40
515.3531	148,0	55,0	190,0	515.3595	515.3592	2	1	2,60

Cordless drill machine

- Lightweight
- Handy and ergonomic dual component housing
- Universal use through robust quick release chuck
- With practical clockwise and anticlockwise reversing function
- Stepless controllable motor speed through electronic switch
- With torque control
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Chuck capacity: 1 - 10 mm
 Electrical Voltage: 10,8 V
 Speed: 0 - 1570 rpm
 Torque max.: 24 Nm
 No load current: 3,5 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Square carbon brushes set	Battery pack	Number of Charge Stations	Icon	
515.3534	190,0	55,0	200,0	515.3595	515.3592	0	0	1,60
515.3535	190,0	55,0	200,0	515.3595	515.3592	1	1	2,50
515.3536	190,0	55,0	200,0	515.3595	515.3592	2	1	2,70

CORDLESS GRINDER

Cordless high performance grinder

- Lightweight
- Handy and ergonomic dual component housing
- Ideal for carbide, corundum and tungsten carbide burrs
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Chuck capacity: 3 mm
 Electrical Voltage: 10,8 V
 Speed: 22000 rpm
 No load current: 3 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Square carbon brushes set	Battery pack	Number of Charge Stations	Icon	
515.3544	145,0	50,0	180,0	515.3595	515.3592	0	0	1,20
515.3545	145,0	50,0	180,0	515.3595	515.3592	1	1	2,10
515.3546	145,0	50,0	180,0	515.3595	515.3592	2	1	2,90

Cordless grinder

- Lightweight
- Handy and ergonomic dual component housing
- For powerful grinding and polishing on small areas
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Electrical Voltage: 10,8 V
 Speed: 3200 rpm
 Velcro disc receiver: Ø 75 mm
 No load current: 3 A
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Square carbon brushes set	Battery pack	Number of Charge Stations	Icon	
515.3548	130,0	50,0	185,0	515.3595	515.3592	0	0	1,30
515.3550	130,0	50,0	185,0	515.3595	515.3592	1	1	2,20
515.3558	130,0	50,0	185,0	515.3595	515.3592	2	1	2,40

CORDLESS ANGLE GRINDER

Cordless angle grinder

- Lightweight
- Handy and ergonomic dual component housing
- For powerful grinding and polishing on small areas
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Velcro disc receiver: Ø 115 mm = 4-1/2"
 Electrical Voltage: 18.0 V
 Speed: 7000 r.p.m.
 No load current: 8.5 A
 Charging time: 1 hour
 Rechargeable battery: 18 V - 4.0 Ah

	L (mm)	B (mm)	H (mm)	Open carbon brushes set	Battery pack	Number of Charger stations	kg	
515.4109	390,0	56,0	80,0	515.3596	515.3598	0	0	5,78
515.4110	390,0	56,0	80,0	515.3596	515.3599	1	1	5,03
515.4111	390,0	56,0	80,0	515.3596	515.3599	2	1	5,63

CORDLESS POLISHER

Cordless polisher

- Handy and ergonomic dual component housing
- Polishing with a fast and excellent work result
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- Blow mould plastic housing
- With lambswool bonnet
- In durable plastic storage case



Technical data:
 Electrical Voltage: 18 V
 Speed: 1600 - 2300 rpm
 Polishing sponge diameter: Ø 125 mm / 5"
 No load current: 3 A
 Charging time: 1 hour
 Rechargeable battery: 18 V - 4.0 Ah
 Weight (basic unit + battery): 2,5 kg

	L (mm)	B (mm)	H (mm)	Open carbon brushes set	Battery pack	Number of Charger stations	kg	
515.3654	425,0	60,0	100,0	515.3592	515.3592	0	0	4,08
515.3655	425,0	60,0	100,0	515.3592	515.3596	1	1	5,30
515.3756	390,0	60,0	100,0	515.3592	515.3599	2	1	6,06

CORDLESS GREASE GUN

Cordless grease gun 400 ml

- Handy and ergonomic dual component housing
- For standard grease cartridges or direct filling
- Ideal for heavy greasing with counter pressure
- With flexible 750 mm filling tube
- Carbon brushes interchangeable
- High performance lithium-ion battery
- With a rechargeable battery that can be process up to 15 cartridges
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- In durable plastic storage case



Technical data:
 Operating pressure: 420 bar / 42 MPa
 NLGI class: < 2
 Grease filling: 75 g / min
 Capacity of the unit: 400 ml
 No load current: 3 A
 Operating current: 2,0 - 5,5 A
 Charging time: 1 hour
 Rechargeable battery: 18 V - 4.0 Ah

	L (mm)	B (mm)	H (mm)	Open carbon brushes set	Battery pack	Number of Charger stations	kg	
515.3559	237,0	80,0	487,0	515.3596	515.3598	0	0	5,40
515.3560	237,0	80,0	487,0	515.3596	515.3599	1	1	6,70
515.3561	237,0	80,0	487,0	515.3596	515.3599	2	1	7,50

Grease gun adaptor set

- For standard hand, cordless and pneumatic grease guns
- Adaptor with sliding sleeve for break-proof connection
- Straight and angled grease nipple
- For grease nipples out of steel, brass and stainless steel

Application range: Cone, funnel, ball and flat grease nipples



	kg	
990.1100	7 pcs Grease gun adaptor set	1,99

consists of:

		Length (mm)	kg
990.1101	90° Lubricant adaptor	114,0	150
990.1102	Tube extension, 300 mm	390,0	240
990.1103	Straight extension	155,0	230
990.1104	90° flat nipple adaptor	135,0	160
990.1105	Rubber grease tip	155,0	150
990.1106	Needle shaped tip	135,0	143
990.1107	360° Adaptor, adjustable	195,0	265

CORDLESS CARTRIDGE GUN

Cordless cartridge gun 310 ml

- Handy and ergonomic dual component housing
- Ideal for glue, silicone or acrylic based cartridges
- For gluing front windscreens as well as most rear and side windows
- Can also be used for bodywork sealant, seam adhesive etc.
- Drip-free mechanism
- Step-free controllable feed
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Processing capacity per battery charge at - 20 °C, up to 15 cartridges
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- With a sturdy aluminium cylinder
- Blow mould plastic housing
- In durable plastic storage case



Technical data:
 Electrical Voltage: 10,8 V
 Capacity of the unit: 310 ml
 Propulsion without load: 6,1 mm / sec
 Output pressure: 392 kgf
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L (mm)	B (mm)	H (mm)	Open carbon brushes set	Battery pack	Number of Charger stations	kg	
515.3569	410,0	138,0	245,0	515.3596	515.3592	0	0	3,60
515.3570	410,0	138,0	245,0	515.3596	515.3592	1	1	4,50
515.3571	410,0	138,0	245,0	515.3596	515.3592	2	1	4,70



Cordless cartridge gun 400 ml

- Handy and ergonomic dual component housing
- Ideal for glue, silicone or acrylic based cartridges
- For gluing front windscreens as well as most rear and side windows
- Can also be used for bodywork sealant, seam adhesive etc.
- Drip-free mechanism
- Step-free controllable feed
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Processing capacity per battery charge at ~ 20 °C, up to 15 cartridges
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- With a sturdy aluminium cylinder
- Blow mould plastic housing
- In durable plastic storage case



Technical data:

Electrical Voltage: 10,8 V
 Capacity of the unit: 400 ml
 Propulsion without load: 6,1 mm / sec.
 Output pressure: 392 kgf
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Spine carbon brushes set	Battery pack	Number of Charge stations	Weight	
515.3574	450,0	138,0	245,0	515.3586	515.3592	0	0	3,70
515.3575	450,0	138,0	245,0	515.3586	515.3592	1	1	4,60
515.3576	450,0	138,0	245,0	515.3586	515.3592	2	1	4,80

Cordless cartridge gun 600 ml

- Handy and ergonomic dual component housing
- Ideal for glue, silicone or acrylic based cartridges
- For gluing front windscreens as well as most rear and side windows
- Can also be used for bodywork sealant, seam adhesive etc.
- Drip-free mechanism
- Step-free controllable feed
- Carbon brushes interchangeable
- High performance lithium-ion battery
- Processing capacity per battery charge at ~ 20 °C, up to 15 cartridges
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- With a sturdy aluminium cylinder
- Blow mould plastic housing
- In durable plastic storage case



Technical data:

Electrical Voltage: 10,8 V
 Capacity of the unit: 600 ml
 Propulsion without load: 6,1 mm / sec.
 Output pressure: 392 kgf
 Charging time: 1 hour
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Spine carbon brushes set	Battery pack	Number of Charge stations	Weight	
515.3579	560,0	138,0	245,0	515.3586	515.3592	0	0	4,10
515.3580	560,0	138,0	245,0	515.3586	515.3592	1	1	5,10
515.3581	560,0	138,0	245,0	515.3586	515.3592	2	1	5,20

BATTERY BLIND RIVET GUN

Cordless riveting tool pistol

- Handy and ergonomic dual component housing
- Universal use for aluminium and steel rivets Ø 2,4/3,2/4,0/4,8 mm
- Approx. 220 rivets per battery
- With practical clockwise and antidlockwise reversing function
- Short set-up time
- Fast change of rivets
- Short processing time
- Stepless controllable motor speed through electronic switch
- 40% extended lifespan due to chargeable special carbon brush conductors
- With lithium-ion high performance rechargeable battery
- Includes automatic turn off charging station
- Fast charging function (1 hour)
- Blow mould plastic housing
- In durable plastic storage case



Technical data:

Rivet sizes: 2,4 / 3,2 / 4,0 / 4,8 mm
 Stroke length: 15 mm
 Vibration acceleration: 3,2 m/s²
 Noise performance level: 66,9 dbA
 Noise pressure level: 75,9 dbA
 Driving power: 4,900
 Electrical Voltage: 10,8 V
 Rechargeable battery: 10,8 V - 2,0 Ah

	L mm	B mm	H mm	Spine carbon brushes set	Battery pack	Number of Charge stations	Weight	
515.4104	235,0	55,0	200,0	515.3595	515.3592	0	0	2,04
515.4105	235,0	55,0	200,0	515.3595	515.3592	1	1	2,60
515.4106	235,0	55,0	200,0	515.3595	515.3592	2	1	2,85

RECHARGEABLE BATTERIES AND CHARGERS

Universal spare batteries

- High performance lithium-ion battery
- Impact resistant polyethylene housing



Technical data:

Battery type: Lithium ion high performance rechargeable battery
 Charging time: 1 hour
 Working temperature: -5° / +45°

	Ah	L mm	B mm	H mm	Weight	
515.3592	10,8 V	1,5	60,5	54,0	84,6	200

Universal push in batteries

- High performance lithium-ion battery
- Integrated automatic safety switching off
- With control LED to discharge
- Impact resistant polyethylene housing
- Ca. 1 hour charge time



Technical data:

Battery type: Lithium ion high performance rechargeable battery
 Charging time: 1 hour
 Working temperature: -5° / +45°

	Ah	L mm	B mm	H mm	Weight	
515.3597	10,8 V	1,5	73,0	60,0	109,6	300
515.3599	18 V	3,0	73,0	60,0	129,8	600

Universal fast charger

- Suitable for 10,8 V Ah lithium ion high performance rechargeable battery
- Integrated automatic safety switching off
- Impact resistant polyethylene housing



Technical data:

Battery type: 10,8 V
 Charging time: 1 hour
 Charging voltage: AC 100 - 240 V ~ 50 / 60 Hz
 Working temperature: -5° / +45°

	L mm	B mm	H mm	Weight
515.3590	145,0	100,0	55,0	500

Universal fast charger

- Suitable for 18,0 V Ah lithium ion high performance rechargeable battery
- Integrated automatic safety switching off
- Impact resistant polyethylene housing



Technical data:

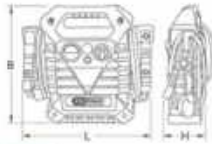
Battery type: 10,8 V - 18,0 V
 Charging time: 1 hour
 Charging voltage: AC 100 - 240 V ~ 50 / 60 Hz
 Working temperature: -5° / +45°

	L mm	B mm	H mm	Weight
515.3591	175,0	115,0	65,0	700

BATTERY BOOSTER MOBILE STARTING AID

12 V Battery Booster - mobile starting aid 700 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- Charge control indicator at press of button
- Acoustic warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact-resistant housing with rubberised base area

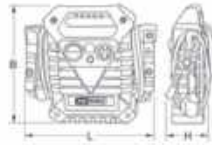


Technical data:
 Battery: 12 Volt / 22 Ah
 Starting current: 700 A
 Peak current: 2200 A
 Cable cross section: 35 mm²
 Battery charger: 12V DC / 4 A

	L mm	B mm	H mm	Charger mm	Charging cable mm	
550.1719	405,0	380,0	160,0	550.1711	550.1712	10,09

12 V + 24 V Battery Booster - mobile starting aid 1400 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- Charge control indicator at press of button
- Acoustic warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Automatic mains charger and cable set included in scope of supply
- Cable can be conveniently stored on the housing
- Impact-resistant housing with rubberised base area

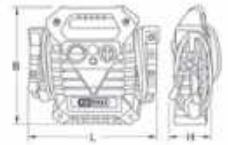


Technical data:
 Battery: 2 x 12 Volt / 22 Ah
 Starting current: 1400 / 700 A
 Peak current: 4400 / 2200 A
 Cable cross section: 35 mm²
 Battery charger: 12V DC / 4 A

	L mm	B mm	H mm	Charger mm	Charging cable mm	
550.1720	405,0	380,0	180,0	550.1721	550.1712	18,00

12 V + 24 V Battery Booster - mobile starting aid 1700 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With external safety fuse
- Charge control indicator
- Acoustic warning tone if the polarity is reversed
- 1.72 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Battery charger, cable set and safety fuse included in the delivery
- Cable can be conveniently stored on the housing
- Impact proof housing

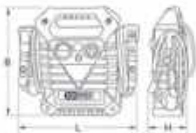


Technical data:
 Battery: 2 x 12 Volt / 22 Ah
 Starting current: 1700/850 A
 Peak current: 5000/2500 A
 Cable cross section: 50 mm²
 Battery charger: 12V DC / 4 A
 Safety fuse: 500 A

	L mm	B mm	H mm	Charger mm	Peak current/Charging cable mm	
550.1820	390,0	410,0	200,0	550.1826	550.1821	550.1812 24, 18

12 V Battery Booster - mobile starting aid 850 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With external safety fuse
- Charge control indicator
- Acoustic warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing

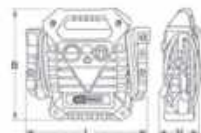


Technical data:
 Battery: 12 Volt / 22 Ah
 Starting current: 850 A
 Peak current: 2500 A
 Cable cross section: 35 mm²
 Battery charger: 12V DC / 1.5 A

	L mm	B mm	H mm	Charger mm	Charging cable mm	
550.1810	380,0	410,0	160,0	550.1811	550.1812	12,10

12 V + 24 V battery booster - mobile emergency starter 2340 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With external safety fuse
- Charge control indicator
- Acoustic warning tone if the polarity is reversed
- 1.65 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Robust, movable housing



Technical data:
 Battery: 2 x 12 Volt / 25 Ah
 Starting current: 2340/1170 A
 Peak current: 6200/3100 A
 Cable cross section: 50 mm²
 Battery charger: 12V DC / 4 A

	L mm	B mm	H mm	Charger mm	Charging cable mm	
550.1825	300,0	535,0	285,0	550.1826	550.1812	24, 18

12 V + 24 V Battery Booster - mobile starting aid 3000 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integral electronics protection (voltage peak protected)
- Heavy-duty copper cable, cross-section 75 mm²
- 2.0 m cable length
- Intelligent, fully-integrated 3-stage automatic charging unit
- Multi-function display with coloured LED bars
- Intelligent protective circuits
- Polarity protection optical/acoustic
- Current-free cable connection to the vehicle battery
- Robust, wheeled housing with cable storage compartments
- Delivery scope includes vehicle charging cable



Technical data:
 Battery: 2 x 12 Volt / 50 Ah
 Starting current: 2800 / 1500 A
 Peak current: 7200 / 3400 A
 Cable cross section: 75 mm²

	L mm	B mm	H mm	
550.1725	450,0	300,0	750,0	47,00

CONDENSER BOOSTER / MOBILE STARTING AID

12 V capacitor booster – mobile emergency starter 720 A

- Based on super capacitor technology
- Battery-free emergency starter
- Maintenance-free
- Can be stored for unlimited periods without re-charging
- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With integrated automatic fuse protection
- Charge control indicator
- Acoustic and optical warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:
 Capacitor: 12 Volt / 288 FARAD
 Starting current: 720 A
 Peak current: 2200 A
 Cable cross section: 35 mm²
 Battery charger: 12V DC / 2 A
 Safety fuse: 500 A

	L mm	B mm	H mm	Charge state	Replacement size	Icon
550.1830	380,0	410,0	160,0	550.1831	550.1832	4,20

12 V capacitor booster – mobile emergency starter 1800 A

- Based on super capacitor technology
- Battery-free emergency starter
- Maintenance-free
- Can be stored for unlimited periods without re-charging
- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With integrated automatic fuse protection
- Charge control indicator
- Acoustic and optical warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:
 Capacitor: 12 Volt / 500 FARAD
 Starting current: 1800 A
 Peak current: 9000 A
 Cable cross section: 50 mm²
 Battery charger: 12V DC / 3 A
 Safety fuse: 1000 A

	L mm	B mm	H mm	Charge state	Replacement size	Icon
550.1840	380,0	410,0	160,0	550.1841	550.1842	8,20

12 V / 24 V capacitor booster – mobile emergency starter 4700 A / 3700 A

- Based on super capacitor technology
- Battery-free emergency starter
- Maintenance-free
- Can be stored for unlimited periods without re-charging
- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With integrated automatic fuse protection
- Charge control indicator
- Acoustic and optical warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:
 Capacitor: 12 Volt / 24 Volt / 3400 FARAD
 Starting current: 4700/3700 A
 Peak current: 20.000/10.000 A
 Cable cross section: 50 mm²
 Battery charger: 12V DC / 3 A
 Safety fuse: 1000 A

	L mm	B mm	H mm	Charge state	Replacement size	Icon
550.1850	380,0	410,0	160,0	550.1841	550.1842	16,50

HEAT GUNS

Heat blow gun set

- High-performance hot-air gun with two supply levels
- Seamless temperature regulation
- Adjustment wheel with marking for 6 temperature settings
- Stand for high up-right assembly
- Includes 4 different replacement nozzles
- Supply level 1: 200-300 l/min (max. 450°C)
- Supply level 2: 350-500 l/min (max. 650°C)
- Temperature settings: 1=50°C/2=100°C/3=200°C/4=350°C/5=550°C/6=650°C

Application range: Removing paint, soldering pipes, shrinking PVS, welding and bending plastics, drying, thawing etc.



	Icon
960.1190	5 pcs - Heat blow gun set

consists of:

	Icon
960.1191	Heat blow gun
960.1192	Broad blast pipe 75 mm
960.1193	Reflector blast pipe
960.1194	Restrictor 45mm
960.1195	Restrictor 14mm

Digital heat blow gun set

- High-performance hot-air gun with two supply levels
- Digital seamless temperature regulation
- Includes jig for up-right assembly
- 10 blower levels
- Includes 4 different replacement nozzles
- LCD display
- Power: 2000W
- Supply level 1: 200-300 l/min (max. 450°C)
- Supply level 2: 350-500 l/min (max. 650°C)
- Temperature settings: 1=50°C/2=100°C/3=200°C/4=350°C/5=550°C/6=650°C

Application range: Removing paint, soldering pipes, shrinking PVS, welding and bending plastics, drying, thawing etc.



	Icon
960.1175	5 pcs - Digital heat blow gun set

consists of:

	Icon
960.1176	Heat blow gun, digital
960.1192	Wide nozzle 75 mm
960.1193	Reflector nozzle
960.1194	Reduction nozzle 45 mm
960.1195	Reduction nozzle 14 mm



INDUCTION DEVICES

Induction Heat Gun Set

- For loosening rusted and seized connections
- For loosening "insoluble" glued connections
- Induction principle
- Pinpoint heating in seconds
- Heating of components to max. 780°C (red hot)

Application range: Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



Technical data:

Capacity: 1500 Watt

		Icon	
500.8420	4 pos. Induction Heat Gun Set		3,30

consists of:

		Icon	
500.8420-1	Induction heat gun		1830
500.8432	Induction coils 19mm, standard		53
500.8433	Induction coils 22mm, standard		54
500.8450	Induction coil, cable, fully flexible, standard		62

MASTER Induction Heat Gun Set

- For loosening rusted and seized connections
- For loosening "insoluble" glued connections
- Induction principle
- Pinpoint heating in seconds
- Heating of components to max. 780°C (red hot)

Application range: Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



Technical data:

Capacity: 1500 Watt

Operational voltage: 230V

Cable length: 2,3

		Icon	
500.8415	12 pos. MASTER Induction Heat Gun Set		3,88

consists of:

		Icon	
500.8420-1	Induction heat gun		1830
500.8431	Induction coils 15mm, standard		48
500.8432	Induction coils 19mm, standard		53
500.8433	Induction coils 22mm, standard		54
500.8434	Induction coils 26mm, standard		54
500.8435	Induction coils 32mm, standard		64
500.8436	Induction coils 38mm, standard		70
500.8423	Induction coils 22mm, extra long		76
500.8424	Induction coils 26mm, extra long		81
500.8450	Induction coil, cable, fully flexible, standard		62
500.8445	Induction coil, semi-rigid, deformable, universal		42
500.8440	Induction pad		175

Standard Induction coils

- For loosening rusted and seized connections
- For loosening "insoluble" glued connections
- Induction principle
- Pinpoint heating in seconds
- Heating of components to max. 780°C (red hot)
- Can be used together with induction heat pistol 500.8420-1

Application range: Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



	Ø mm	Length mm	Icon
500.8431	15	220,0	48
500.8432	19	220,0	53
500.8433	22	220,0	54
500.8434	26	220,0	54
500.8435	32	220,0	64
500.8436	38	220,0	70
500.8437	45	220,0	77

Induction coils, extra long

- For loosening rusted and seized connections
- For loosening "insoluble" glued connections
- Induction principle
- Pinpoint heating in seconds
- Heating of components to max. 780°C (red hot)
- Extra long
- Can be used together with induction heat pistol 500.8420-1

Application range: Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



	Ø mm	Length mm	Icon
500.8421	15	330,0	50
500.8422	19	330,0	72
500.8423	22	330,0	76
500.8424	26	330,0	81
500.8425	32	330,0	84
500.8426	38	330,0	88
500.8427	45	330,0	96

Induction pad

- Heat-resistant material
- Gentle on painted surfaces
- Flat and flexible surface
- Simple handling
- Can be used together with induction heat pistol 500.8420-1

Application range: Removal of stickers, type plates, emblems, decorative strips, self-adhesive films and small trims on painted surfaces



	Icon	Length mm	Icon
500.8440	100 x 100	260,0	175

Semi-rigid deformable induction coil

- Preformed, extra long execution, max. 330 mm
- Ideal for deep applications
- Can be used together with induction heat pistol 500.8420-1

Application range: Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



	Length mm	Icon
500.8445	595,0	42

Fully flexible induction coil cable

- Flexible like a cable
- Ideal for deep applications
- Perfect adaption to the application
- Can be used together with induction heat pistol 500.8420-1

Application range: Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



	Length mm	Icon
500.8450	800,0	62



KS TOOLS

Innovation is our mission!

CORDLESS BATTERY TOOLS

LITHIUM ION TECHNOLOGY

- The high performance cordless tools for the perfect job
- Working without cables with Lithium ion technology
- Ergonomic design, perfect weight distribution

