

BLACKHAWK



CATALOGUE





INDEX

01- Measuring systems // 03

02- Straightening systems // 10

03- Lifting systems // 41

04- Porto Power & hydraulic sets // 50

05- Welding & induction systems // 61

CATALOGUE

MEASURING SYSTEMS

BLACKHAWK

SHARK

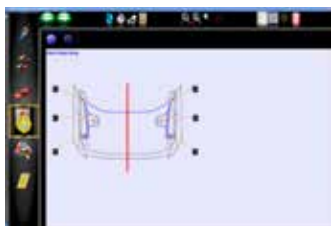
SHARK is the universal electronic measuring system par excellence for diagnosis and repair.

Specificities :

- Easy and fast to use
- Continuous measuring of 12 points
- Diagnosis in 25 mn
- Automatic and fast checking of the vehicle position whatever the angle
- Continuous measuring throughout straightening work
- International database
- Compatible with all Blackhawk straightening systems and many others.
- Approved by: Audi, Daewoo, Daimler, Chrysler, Ford, Opel, Nissan, Citroën, Peugeot, Renault, Maruti



TECHNICAL SPECIFICATIONS



3 MAIN PARTS:

- Ultrasonic emitting probes with magnetic connection
- Receiving beam
- Console with computer, USB stick, keyboard, colour screen and drawers for the accessories



HARDWARE

- 4x7.5 cm diam. chrome locking casters
- 27" LCD HD display for maximum viewing from anywhere around the vehicle

- Probe cords incorporate Velcro straps for easy storage
- Polyurethane foam with accessory identifiers provides max. separation of magnetic extensions and increased accessory protection

OPTIONS

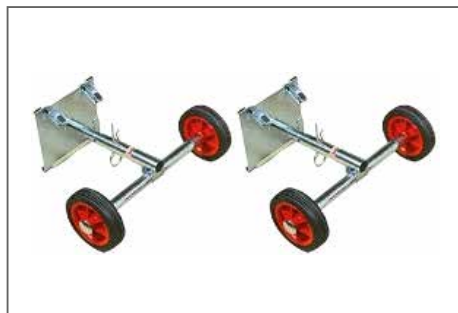
96486

Diagnostic stands



SH103H

Mobile supports for Shark beam



STA15

Stands for STL3500



MC PHERSON

Measuring of high test point



SHF1AL

Universal brackets, ultrasonic positioning



COMPOSITIONS



SHA54 / SHA50 / SHA55 / SHA51

SET WITH 8 PROBES SET WITH 6 PROBES

SHA54 - without Mc Pherson
SHA50 - with Mc Pherson

SHA55 - without Mc Pherson
SHA51 - with Mc Pherson



220 V

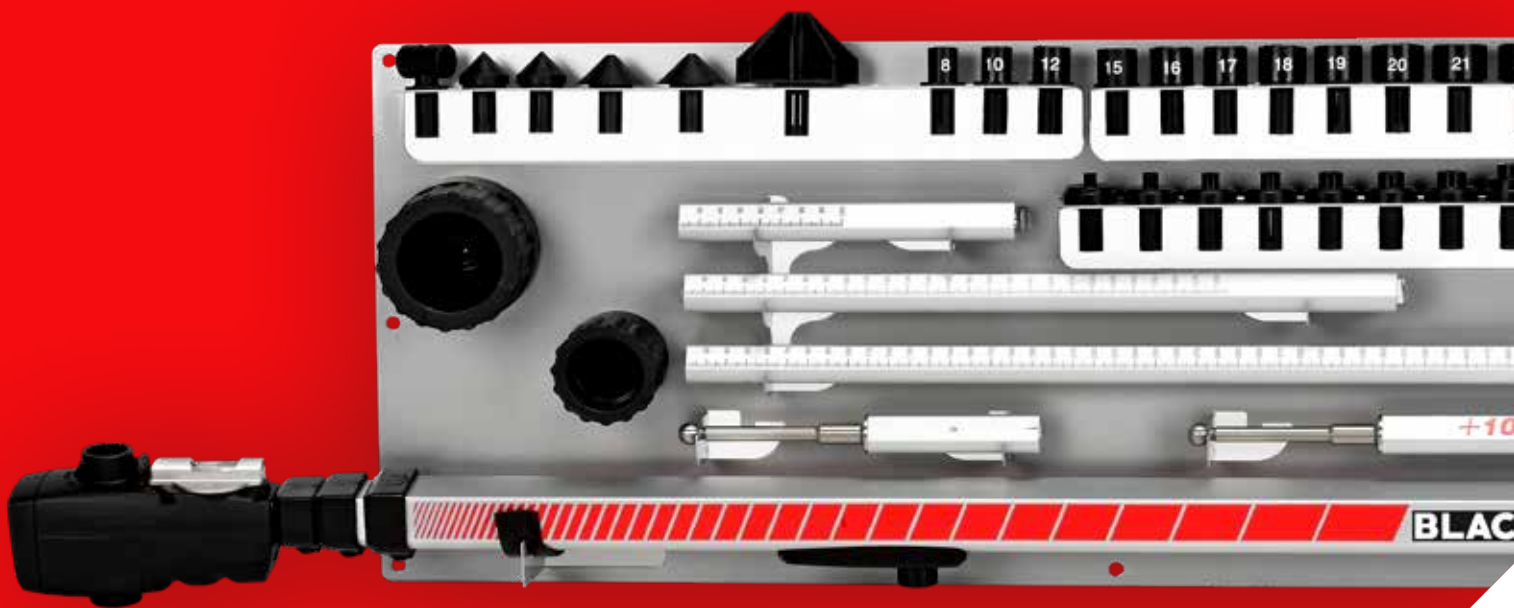


500 W

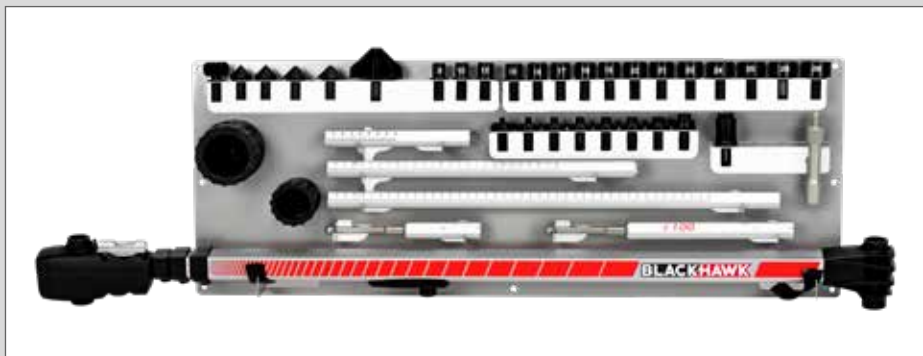


TECH TRAM

Telescopic measuring gauge for diagnosis and control
with digital display (400mm - 2665mm)



TELESCOPIC MEASURING GAUGE FOR DIAGNOSIS AND CONTROL WITH DIGITAL DISPLAY 400mm - 2665mm



Version on metal tool panel P/N: MGE10



Version in carrying case P/N: MGE11

ADVANTAGES:

- Quick and easy measuring of lengths, widths and diagonals
- Built-in spirit level allows you to check height anomalies
- Designed for use on all straightening systems and as a diagnostic tool in combination with a 2 post lift.
- Magnetic mount allowing the measuring to be carried out by only one person
- Results are saved and printed in pdf format.





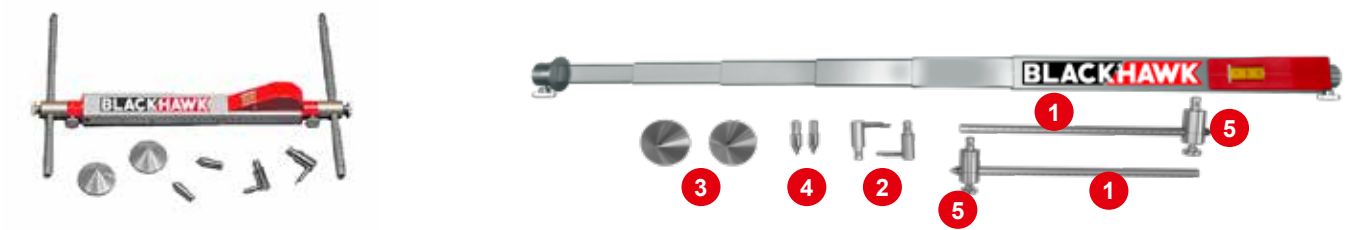
AEK119 AEK329 AEK419

Telescopic gauge with accessories for comparative measuring.

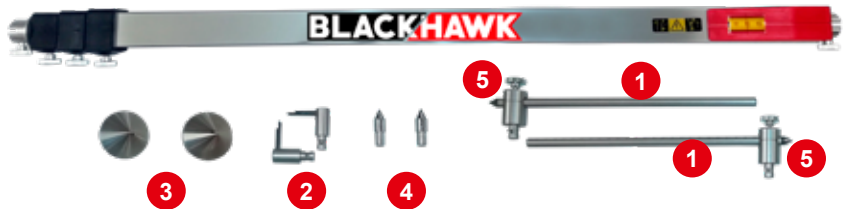
TELESCOPIC GAUGE WITH ACCESSORIES FOR COMPARATIVE MEASURING

High quality, accurate and very easy to use, German and Swiss production.

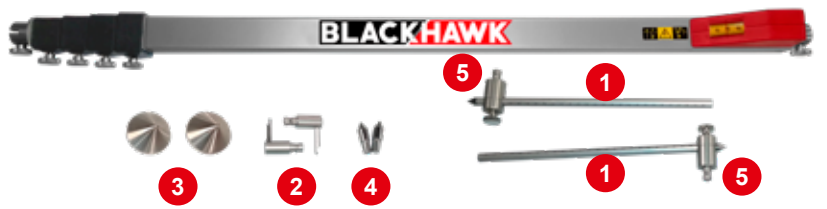
AEK119






AEK329



AEK419



1	F13820
2	F13790
3	F21900
4	F17870
5	F16450

			
AEK119	1,45 kg	415 mm	925 mm
AEK329	2,0 kg	920 mm	2600 mm
AEK419	2,3 kg	950 mm	3250 mm

CATALOGUE

STRAIGHTENING SYSTEMS

BLACKHAWK

STRAIGHTENING SYSTEMS



KOREK

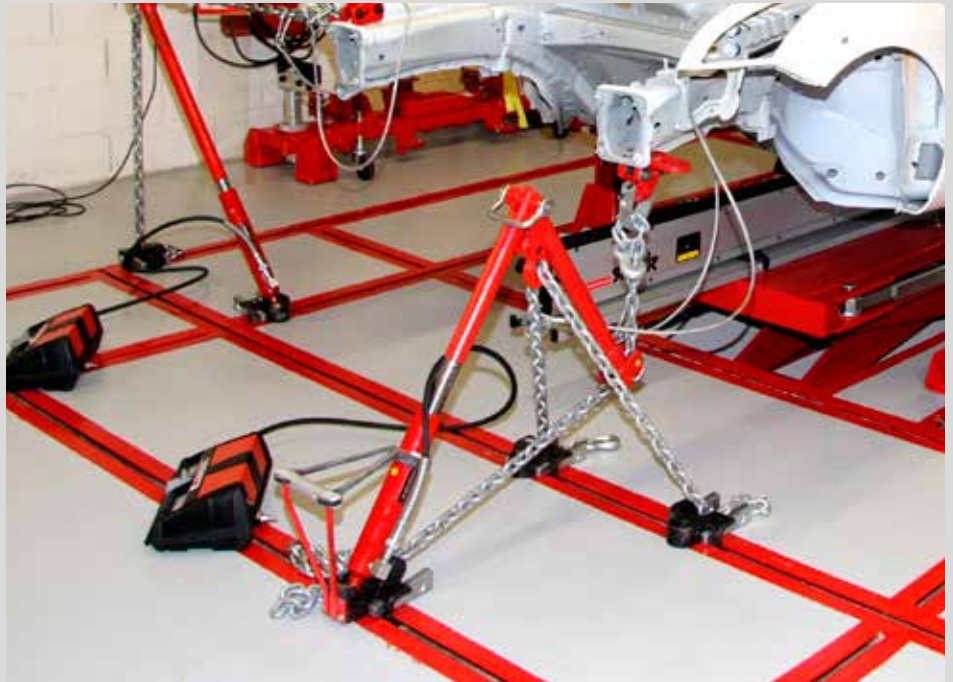
The most efficient and currently the most sold
straightening system worldwide



KOREK

ADAPTED TO ALL TYPES OF REPAIR JOBS AND ALL KINDS OF VEHICLES

- Modular frame
- Inbuilt lift
- Rigid anchoring
- Pull/push units



PUSH



PULL

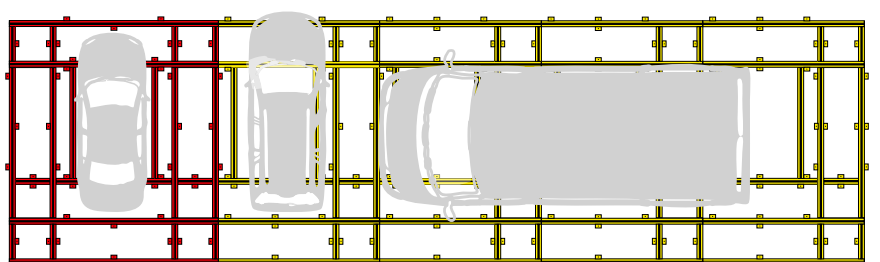
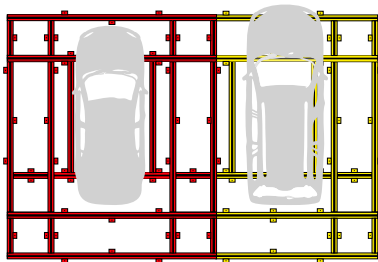
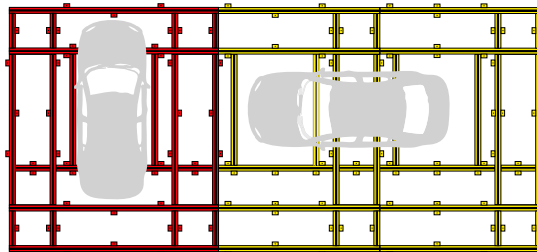
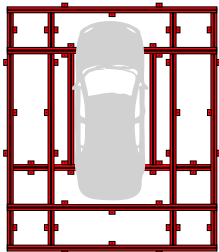


- Fast and easy set up
- Work at chosen height
- Optimum anchoring
- Multiple pulls and pushes
- Can be combined with measuring
- Multipurpose space
- Push / pull capacity / 8 to 10T pull

THE FRAMES WORKING BAYS



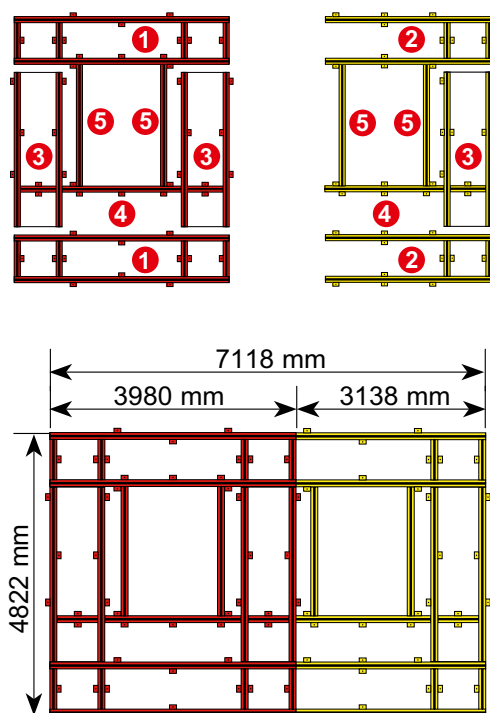
A MODULARITY WHICH CAN BE ADAPTED TO YOUR NEEDS



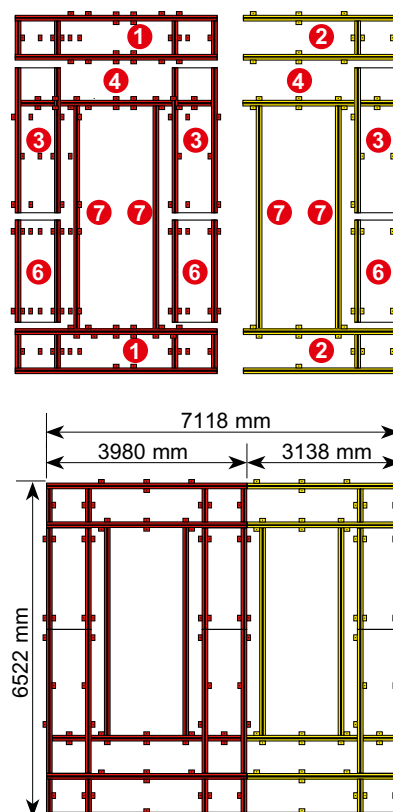
The modular Korek® frame is composed of parts very easy to put together. One base module is suitable for one work area. By adding standard complements, you can obtain the frame length which corresponds to the size of your shop and number of working bays. There is no limit! Frames can also be installed above floor.



ASSEMBLY= SIMPLICITY

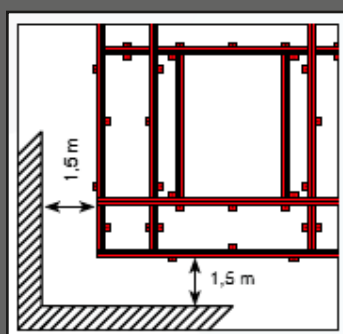
ASK1605901PLS - ASK160500PLS



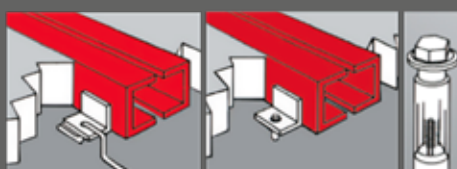
ASK1607901PLS - ASK160700PLS



				
1	S060L131	3980 mm	842 mm	272 kg
2	S060L132	3138 mm	842 mm	190 kg
3	S060L130	3138 mm	842 mm	182 kg
4	S060L128	2296 mm	119 mm	59 kg
5	S060L133	2295 mm	130 mm	73 kg
6	S060L129	1700 mm	842 mm	91 kg
7	S060L127	3995 mm	130 mm	128 kg



Possibility of bolting the frame to the floor. Please contact a BLACKHAWK technician



LIFTS

STL3500

IN-FLOOR LIFT WITH TELESCOPIC ARMS, ELECTRIC PUMP AND REMOTE CONTROL FOR KOREK INSTALLATION ONLY



SPECIFICATIONS

STL3500

2170mm x 680mm x 200mm

1350 mm

3,5 T

STL50



LIFT WITH TELESCOPIC ARMS, ELECTRIC PUMP AND REMOTE CONTROL

- In-floor or above floor instalation

STL5003: SET OF 4 WHEEL LIFT PLATES



SPECIFICATIONS

STL50

2050mm x 770mm x 110mm

1200 mm

3,5 T

PULLING TOWER PTK10



10 T pulling tower especially suitable for pulling at high points for Korek system

COMPOSITION

1	PTK100	1
2	PTK101	2
3	PMP8130	1
4	AEK99	1
5	AEK304	1

OPTION



PTK11
•Push accessories set



POWER LOK® AFM813H

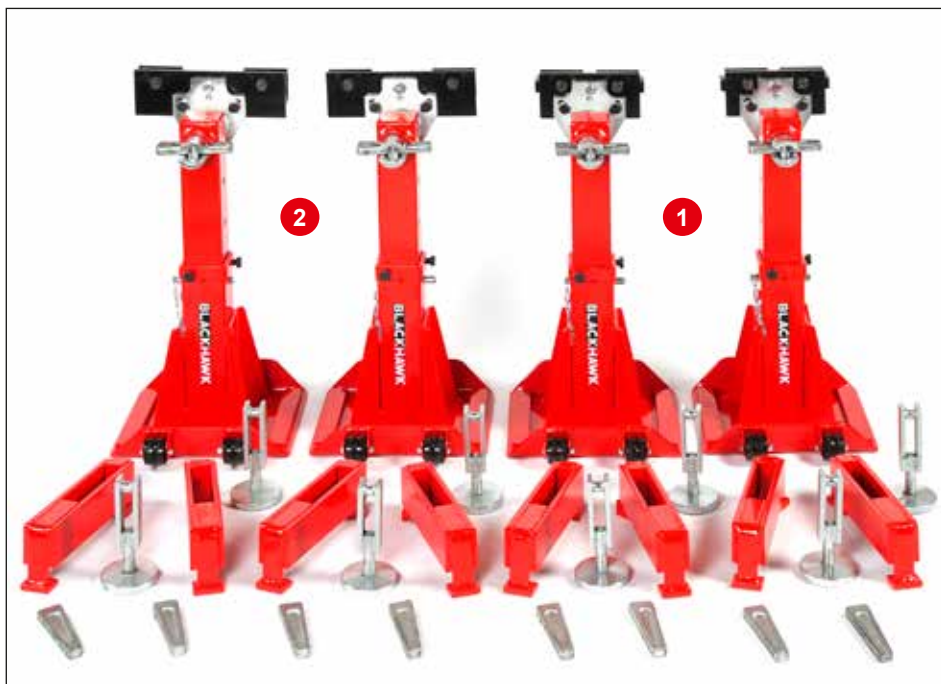


Ensures efficient anchoring at the right height.

The clamps can be replaced by specific clamps for specific vehicle models.

306 KG / 3 POSSIBLE HEIGHTS

- Max. 750 mm
- Med. 560 mm
- Min. 460 mm



1	AEK158.2	L 235 mm	Standard
2	AEK159.2	L 350 mm	Standard



Thanks to its 4 robust clamp supports on wheels, the Power Lok® maintains the car at a comfortable working height and keeps it clamped firmly against the unfailing rigidity of the Korek® frame. The vehicle underbody which has become easily accessible, keeps its perfect rigid position during the repairs. The Power Lok® ensures swift, efficient and accurate straightening.

QUICK ANCHOR SYSTEM



AFM822B For light damage

May be used on Power Lok® and on Korek® rails



AFM28

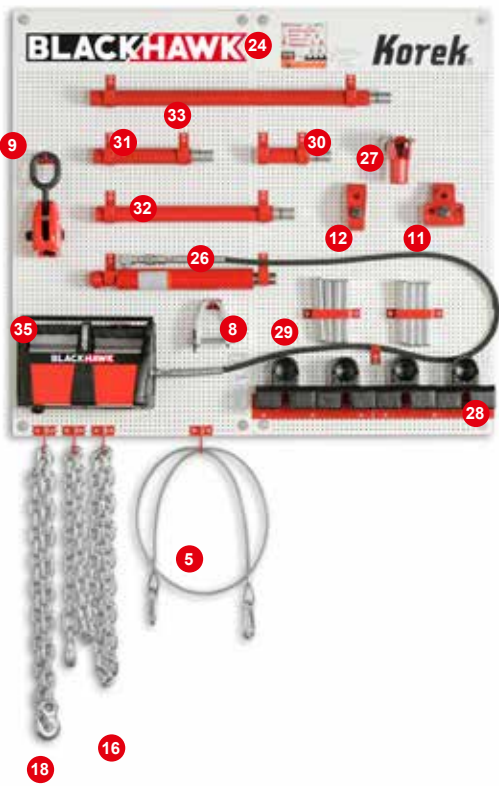
Anchoring system for chassis type vehicles and 4WD



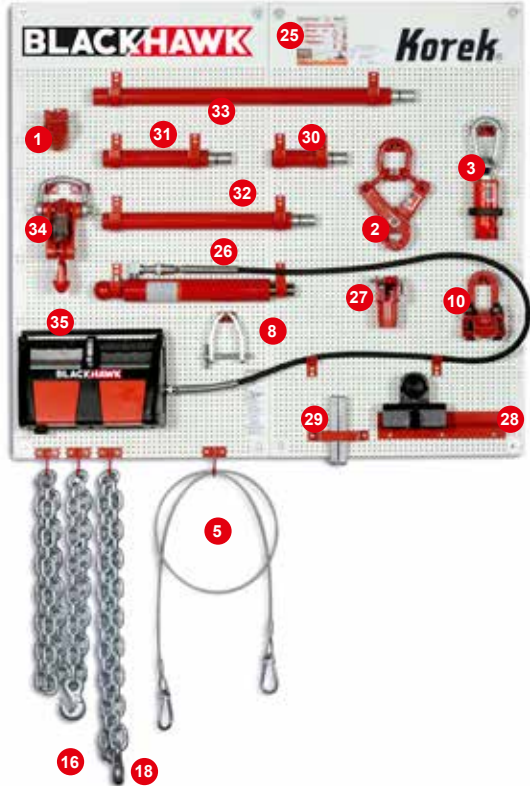
PULL UNITS



AFM1310

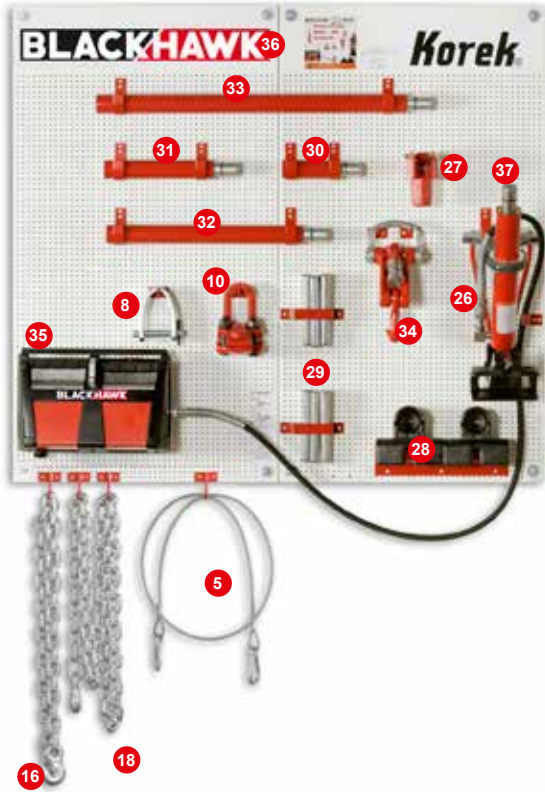


AFM1315



AFM1320 (AFM1310+AFM1315)

AFM1400A

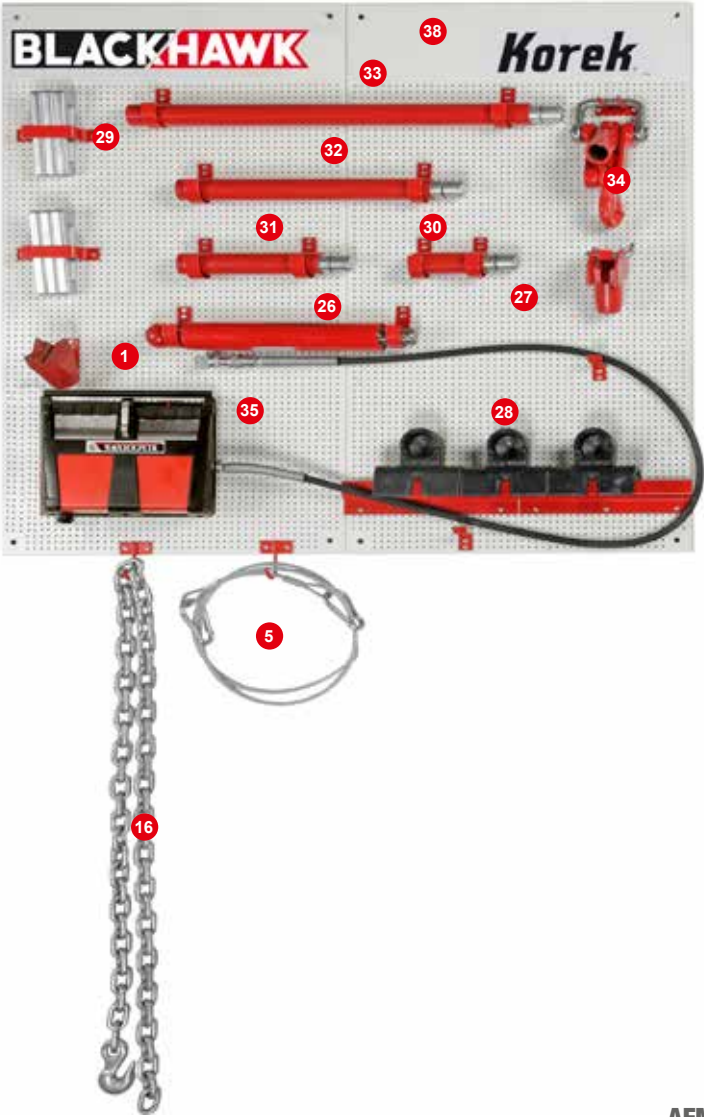


		AFM1310	AFM1315	AFM1320	AFM1400A	
1	65638		1	1		
2	97200S		1	1		
3	97401S		1	1		
4	97605E					
5	AEK99	1	1	2	1	
6	AEK102					
7	AEK103	600 mm				
8	AEK105S	1	1	2	1	
9	AEK182S	1		1		
10	AEK183		1	1	1	
11	AEK232	1		1		
12	AEK233	1		1		
13	AEK235S					
14	AEK271					
15	AEK301					
16	AEK307	2700 mm	1	1	2	1
17	AEK332					
18	AEK327	2100 mm	1	1	2	1
19	AEK329					
20	AEK428					
21	AFM1135A					
22	AFM1361					
23	EK402T					
24	AFM1311	1		1		
25	AFM1316		1	1		
26	ASK257900	1	1	2	1	
27	K178264	1	1	2	1	
28	K179038	4	1	5	2	
29	K238320	8	2	10	6	
30	K239900	1	1	2	1	
31	K240900	1	1	2	1	
32	K241900	1	1	2	1	
33	K242900	1	1	2	1	
34	K830901		1	1	1	
35	PMP8110	1	1	2	1	
36	AFM1401				1	
37	AFM830A				1	
38	AFM1391					

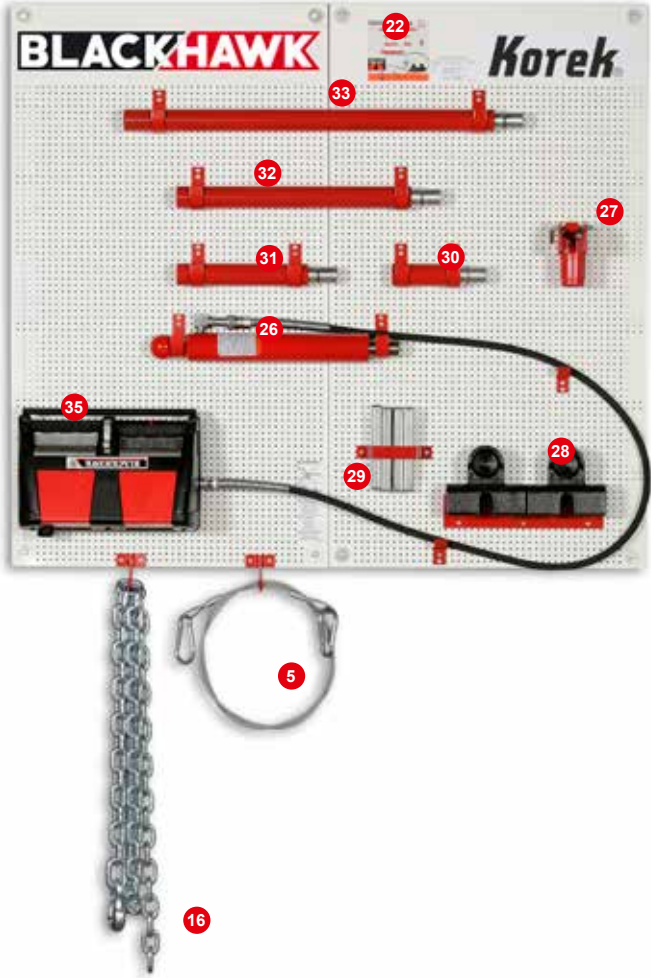
PULL UNITS



AFM1390



AFM1360



AFM135A



			AFM135A	AFM1360	AFM1390
1	65638				1
2	97200S				
3	97401S				
4	97605E		1		
5	AEK99			1	1
6	AEK102		1		
7	AEK103	600 mm	1		
8	AEK105S				
9	AEK182S				
10	AEK183				
11	AEK232				
12	AEK233				
13	AEK235S		1		
14	AEK271		1		
15	AEK301		1		
16	AEK307	2700 mm		1	1
17	AEK332		1		
18	AEK327	2100 mm			
19	AEK329		1		
20	AEK428		1		
21	AFM1135A		1		
22	AFM1361			1	
23	EK402T		1		
24	AFM1311				
25	AFM1316				
26	ASK257900			1	1
27	K178264			1	1
28	K179038			2	3
29	K238320			4	6
30	K239900			1	1
31	K240900			1	1
32	K241900			1	1
33	K242900			1	1
34	K830901				1
35	PMP8110			1	1
36	AFM1401				
37	AFM830A				
38	AFM1391				1

ADDITIONAL
ACCESSORIES



AFM830A



Anchor shoe for Korek

AFM8401



Pulley for downward pulls 10 T

KOR1000

Air connecting pots for
Korek®

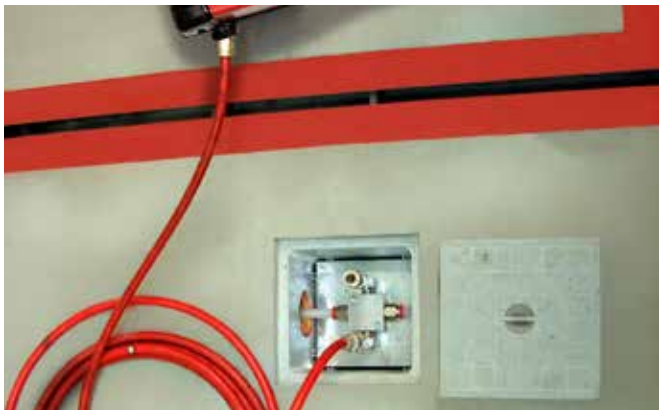


KOR10

Kit with 6 pots for short
Korek® frame

KOR11

Kit with 8 pots for long
Korek® frame



STRAIGHTENING SYSTEMS



POSTLIFT

Quick repair concept



POSTLIFT

QUICK REPAIR CONCEPT

- Compact and robust lift, great lifting height
- Great pulling force, Dozer with 10T ram
- Compatible with electronic or mechanical measuring systems
- Max. lifting height without clamps: 1300 mm
- Max. lifting height on clamps: 1700 mm
- Min. height: 115mm
- Lifting capacity: 3.2T
- Dimensions: 3000x800x115 mm
- Hydraulic pump pressure: 700 bars
- Voltage 230V
- Can be installed in-floor



Fast and easy vehicle set up



PL10D

Adapted to Shark measuring system



DOZER

Great pulling force dozer with 10T ram



OPTIMAL

Force of scissors lifting. Mechanical lowering





COMPOSITION

1	PL100C	Lift + arms
2	PMPLIFT	Electric Pump
3	PL12WB	Dozer
4	ARC1610	Ram
5	PMP8110	Pump
6	AEK302	Chain + 2 Hooks
7	AEK99	Safety cable
8	AEK428	Pull clamp



OPTIONS



PLT14
Vector pulling arm for Postlift



Pulling capacity 4T

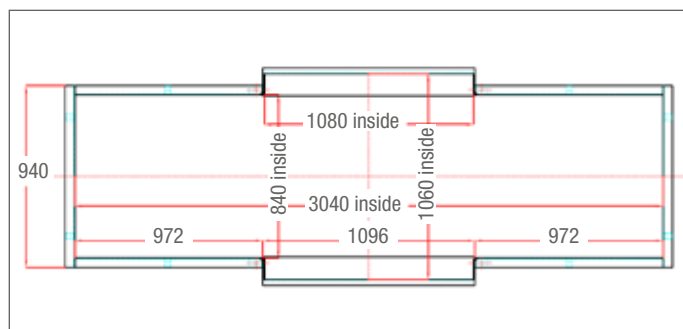


Down pull with pulley

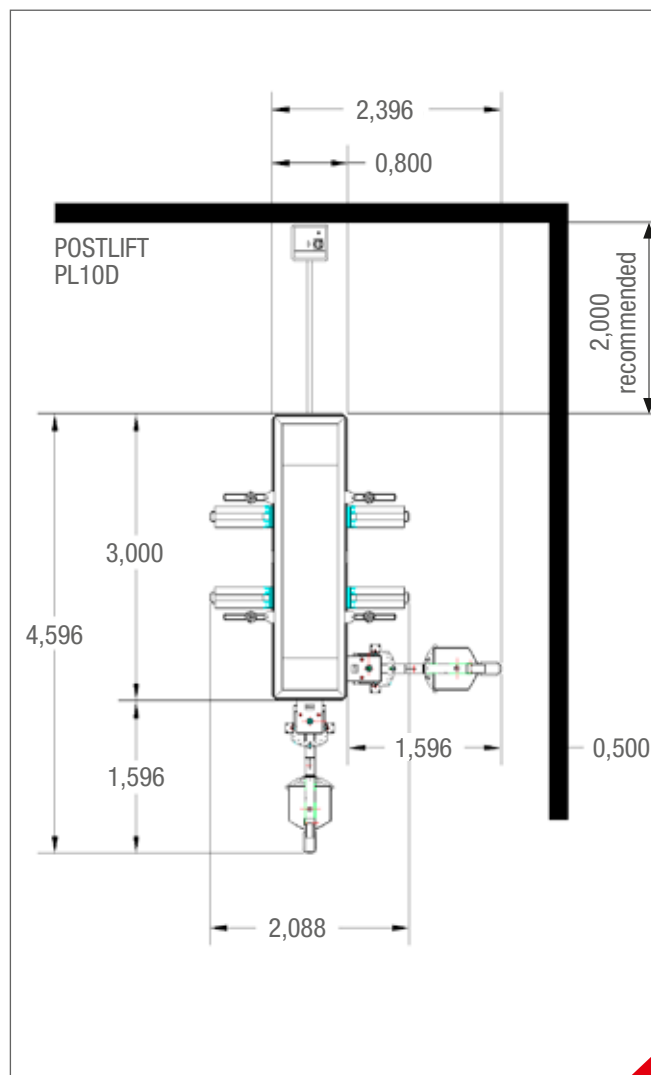


Double push/pull

PL10DPF



INSTALLATION



STRAIGHTENING SYSTEMS



MINIPOST II

Straightening bench for quick repairs



MINIPOST II

SIMPLE, ROBUST, FAST AND MORE FUNCTIONAL

Lifting table capacity 3T.

Lifting with hydro-electric pump and remote control included.

Can be installed in-floor.



PULLING ARM WITH 5T RAM

MPT6010

The Minipost II has an articulated Dozer pulling arm, enabling pulling angles to be replicated all around the vehicle.



ANCHORING

MPT6002

4 arms set (lifting and anchoring) with 4 lifting pads.



MPT6003

Set of 4 clamps on mobile arms.



COMPLETE SET



Straightening bench with remote control



COMPOSITION

	MPT60
1 MPT6000	1
2 PL123	1
3 MPT6003	1
4 PMPLIFT	1
5 MPT6010	1
6 EP99	1
7 EP122	1

	MPT61
1 MPT6000	1
4 PMPLIFT	1

TECHNICAL SPECIFICATIONS

Power supply for electro hydraulic pump	400 V – 3 ph
Minimum table height	120 mm
Maximum height	1300 mm
Lifting capacity	3T
Straightening cylinder	5T
Dimensions	3000 x 1080 x 120 mm

OPTIONS



B054

Multidirectional pulley
for dozer



MPT6009

Extension plates for using Shark
system (for diagnosis only).



MPT6011

Pit frame



MPT6008

Set of 2 drive-on ramps,
lifting by wheels, lifting
capacity 3T



Installing and clamping the vehicle
with an innovative system



STRAIGHTENING SYSTEMS



PULLING TOWERS



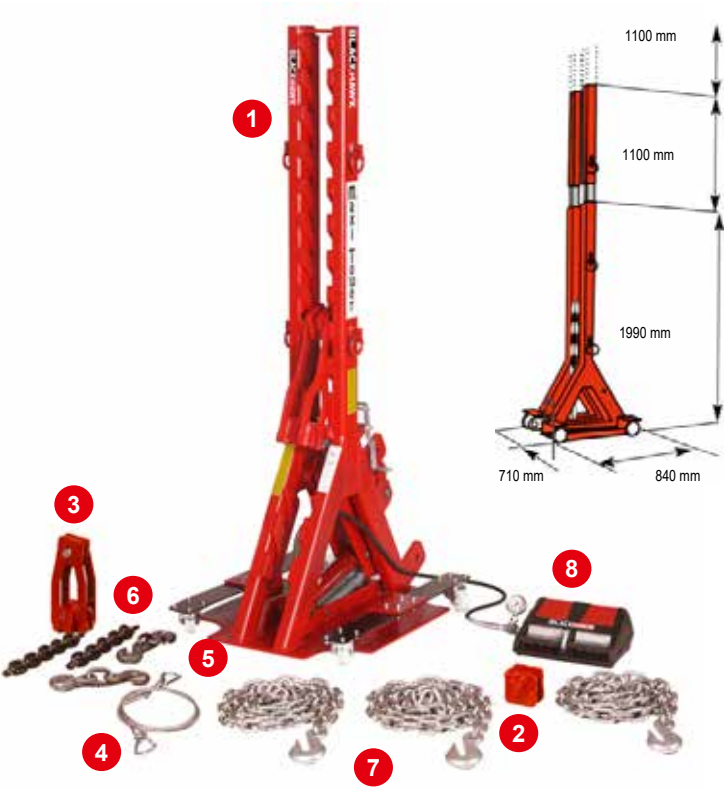
MAXI TOWER



COMPLETE SET



PULLING FORCE
pulley block developing 7 - 28 T



	HD71B	HD72B
1 HD700A	1	1
2 HD703A	1	0
3 HD704A	1	0
4 HD99	1	1
5 HD332	2	2
6 HD8307	2	2
7 Z219	3	3
8 PMP8130	1	1

OPTIONS

HD701A
Extension 1100 mm



HDY7005
Low height pull accessory



PULLING TOWERS



POWER POST



COMPLETE SET



PULLING FORCE
pulley block developing 7 - 10 T



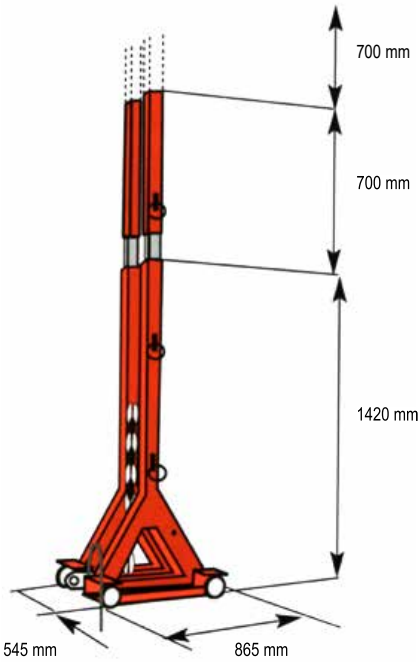
COMPOSITION

		HD85B	HD86B
1	HD850A	1	1
2	PMP8110	1	1
3	AEK99	1	1
4	AEK304	1	1
5	AEK307	2	1
6	HD851A	0	2
7	AEK328*	0	2

*Not shown



HD851A (OPTIONAL)
Extension 700 mm



ANCHOR POTS



ANCHOR POTS

Easy and quick installation
For drilling and installation plans please
contact your Blackhawk
distributor



TD130 E - TD135 E

Anchor pots with chain slot for use with
Power Post® pulling tower
Chain 10T

TD130 E



TD135 E



TD330 E

Anchor pots with chain slots with larger
diameter for use with
Maxi Tower pulling tower
Chain 20T

TD335 E

Anchor pots with chain slots for use with
Maxi Tower
Chain 20T

TD330 E



TD335 E



OPTIONAL ACCESSORIES



HD8305

20 T Chain anchor for
I beam frame 200



14.5 kg

K170938+2 X K238320

Ram foot 10 T



3.1 kg

HD8301+2 X K238320

20 T Chain anchor for
Korek® frame



7.8 kg

HD8306 +2 X K23830

10 T Chain anchor for
I beam 200



7.8 kg

HD8303

Chain tensioner 20 T



4 kg

HD8302

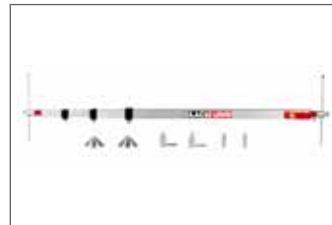
Intermediate tensioner 20 T



4.78 kg

AEK329 / AEK419

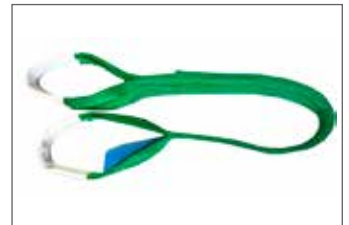
Measuring gauge
900/2600 mm
950/3250 mm



2 kg / 2.3 kg

AEK2001

Pull strap assy 8 T



0.450 kg

PT318A

Adapter hook 10-20 T



2.4 kg

HD332

Double hook 20 T



2.9 kg

AEK271

Multipurpose pull hook



8.6 kg

HDY25

23 T Hydraulic stand
530 -1166 mm



50 kg

AEK281

Wide opening clamp



16.5 kg

PT114A

Grab hook + chain



8.6 kg

CATALOGUE

LIFTING SYSTEMS

BLACKHAWK

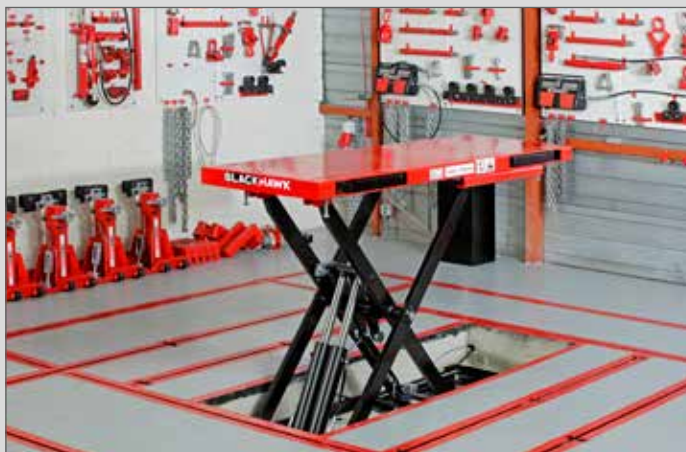


STL3500

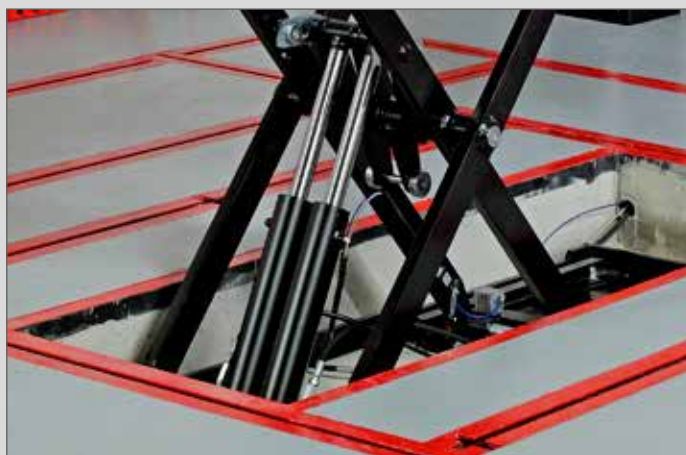
In-floor lift



STL3500



Telescopic arms



Double ram - Mechanical and hydraulic safety controls



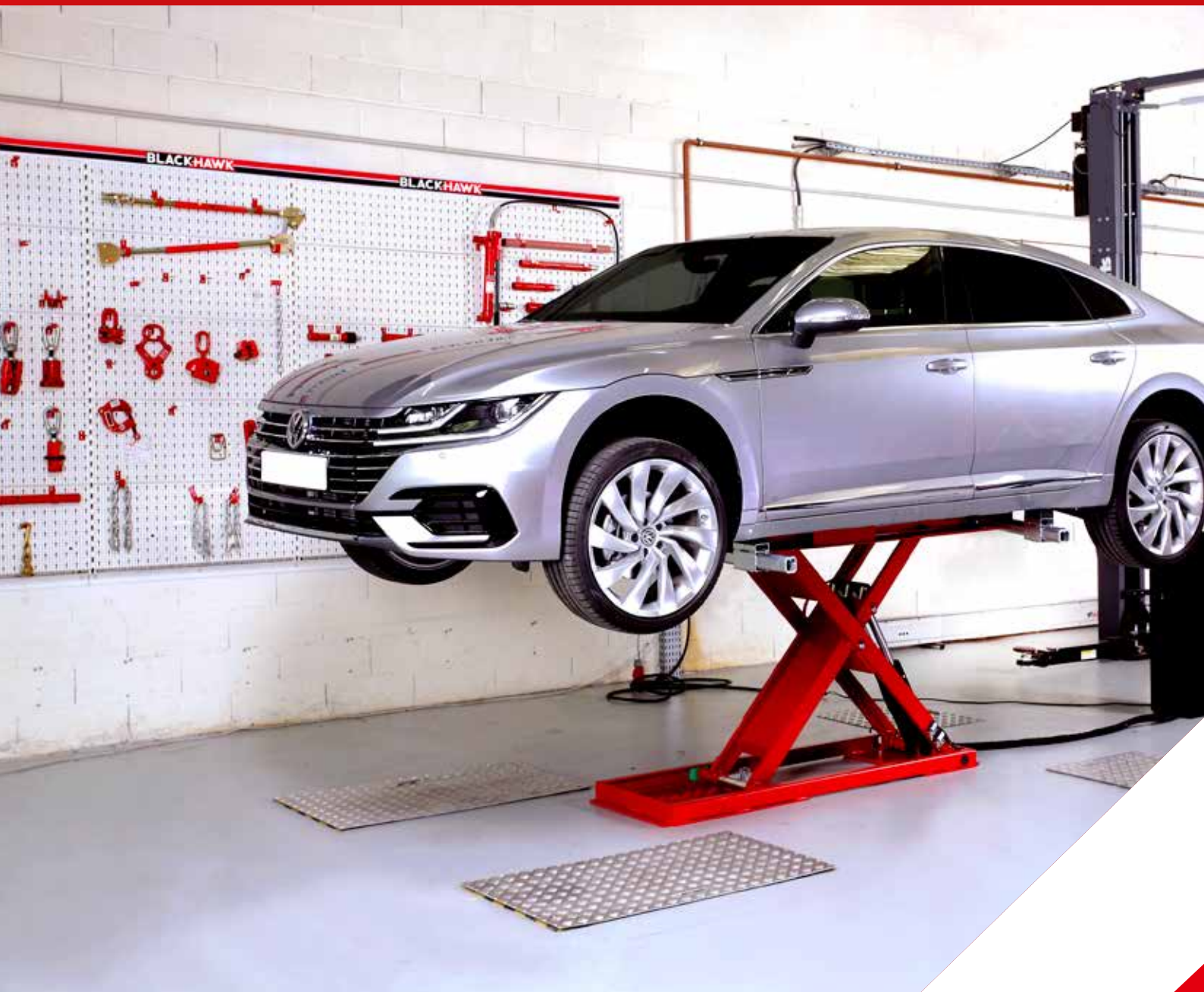
PMPLIFT
Electric pump + remote control.
Available on request

TECHNICAL SPECIFICATIONS

Capacity	3500 kg
Min height - in the ground	200 mm
Max height - Lift	1430 mm
Max height - with lifting pads	1430 mm + 80 mm = 1510 mm
Chassis width	680 mm
Chassis length	2170 mm

STL50

Electric-hydraulic scissor lift for car body shop



STL50

ELECTRO-HYDRAULIC SCISSOR LIFT FOR CAR BODY SHOP

- Telescopic arms
- Remote control
- Lifting by wheels



APPLICATION



MINIMUM HEIGHT OF THE LIFT: 110 mm

Electrical, hydraulic and mechanical safety controls. Suitable for in-floor or above-floor installation.

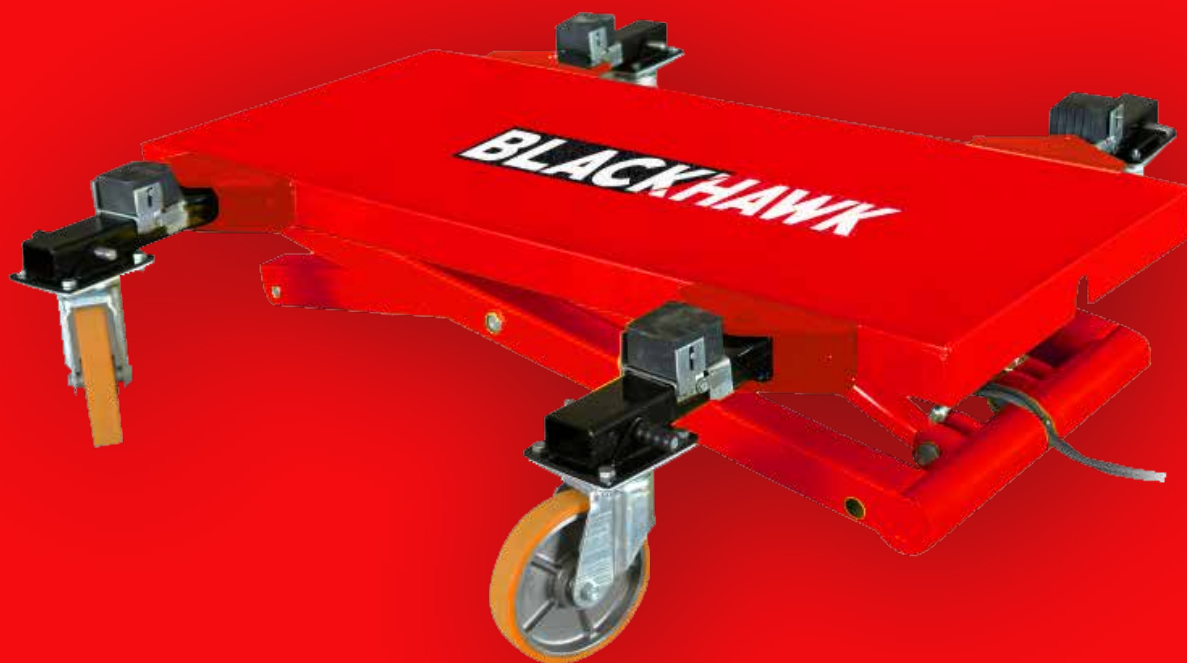
TECHNICAL SPECIFICATIONS

Capacity	3500 kg
Lifting height	1200 mm
Minimum height	110 mm



STL29

Mobile table lift



STL29

MOBILE TABLE LIFT

- The only equipment that allows the user to move a vehicle on the lift all around the workshop, thanks to the four pivoting wheels and a double cylinder system which retracts the scissors inside the table.
- The operator can move the car placed on the lift to the different working areas of the body shop.



STL29 - With set of wheels
STL2910 - Without set of wheels (photo)



TECHNICAL SPECIFICATIONS

Capacity	3000 kg
Maximum height	922 mm
Minimum height	100 mm
Width	762 mm
Leg wheelbase	1300 mm
Weight	350 kg

SUPPORT STANDS



SUPPORT STANDS



STA2020
Stands 10T



AEK833
Ajustable support stand



96486
Roller stands









STA15
Support stands for STL3500



STA30
Vehcile stand



STA60
Vehcile stand

						
STA2020	2	10000 kg	550 mm	900 mm	460 mm	40 kg
AEK833	1	1500 kg	615 mm	700 mm	416 mm	9 kg
96486	2	1200 kg	1400 mm	1400 mm	700 mm	160 kg
STA15	4	800 kg	1106 mm	1106 mm	700 mm	100 kg
STA30	2	1500 kg	288 mm	425 mm	170x190 mm	7 kg
STA60	2	3000 kg	395 mm	605 mm	250x270 mm	13,2 kg

CATALOGUE

PORTO POWER & HYDRAULIC SETS

BLACKHAWK

PORTO POWER & HYDRAULIC SETS

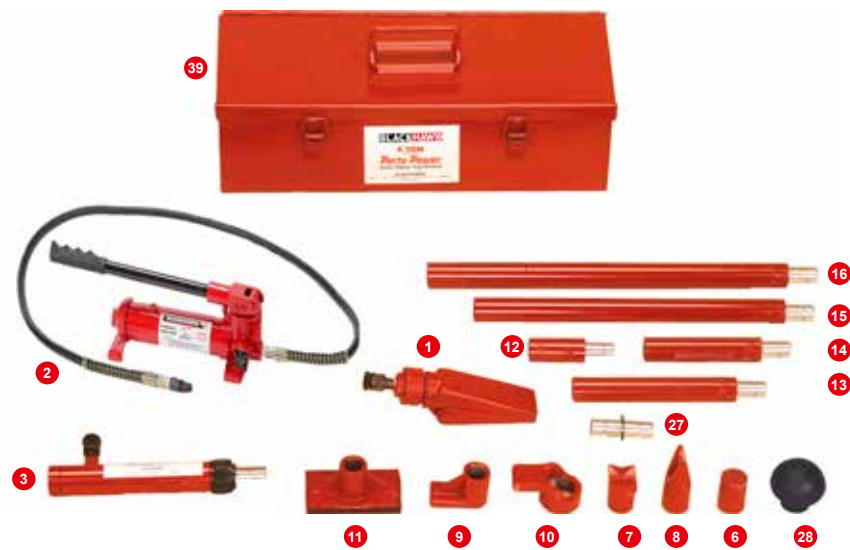


PORTOPOWER

PORTO
POWER



65132A
4T standard set



65135A
10T standard set



SF181A
10T standard set



COMPOSITION



	65132A	65135A	SF181A		65132A	65135A	SF181A
1 65123A	1	1	-	24 65169	-	1	1
2 65133A	1	-	-	25 65172	-	1	-
3 65134A	1	-	-	26 65173	-	1	-
4 65136A	-	1	-	27 65177	1	-	-
5 65137A	-	1	-	28 65178	1	-	-
6 65151	1	-	-	29 65179	-	1	-
7 65152	1	-	-	30 65180	-	1	-
8 65153	1	-	-	31 65637	-	-	1
9 65154	1	-	-	32 65638	-	-	1
10 65155	1	-	-	33 65639	-	-	1
11 65156	1	-	-	34 65640	-	-	1
12 65157	1	-	-	35 65642	-	-	1
13 65158	1	-	-	36 65667	-	-	1
14 65159	1	-	-	37 ARC157	-	-	1
15 65160	1	-	-	38 FZ1050	-	-	1
16 65161	1	-	-	39 H31614	1	-	-
17 65162	-	1	-	40 H31693A	-	1	1
18 65163	-	1	-	41 K239900	-	-	1
19 65164	-	1	-	42 K240900	-	-	1
20 65165	-	1	-	43 K241900	-	-	2
21 65166	-	1	-	44 PMP7600	-	-	1
22 65167	-	1	-	45 SA4	-	-	1
23 65168	-	1	-	46 Z913	-	-	1

PORTO POWER ACCESSORIES



4T PULL RAM SET

Porto Power Accessories



ARC1730
4T pull ram set used with coupler H68939 (1/4")

ARC1740
4T pull ram set. Quick chain anchoring used with coupler ZR400 (3/8")

		HDY26	HDY27
1	PMP7600	1	-
2	PMP1501	-	1
3	Z909A	1	1
4	AGF7000	-	1
5	ACH604	1	1
6	ARC2506	1	1
7	HDY2202A	1	1
8	HDY2203A	1	1
9	HDY2204A	1	1
10	HDY2206A	1	1
11	HDY2207A	1	1
12	HDY2208A	1	1
13	HDY2209A	1	1
14	HDY2210A	1	1
15	HDY2215A	1	1
16	HDY2216	1	1

HDY26
23T pull ram set + hand pump



HDY27
23T pull ram set + hydro pneumatic pump

PORTO POWER ACCESSORIES



HOSES AND COUPLERS

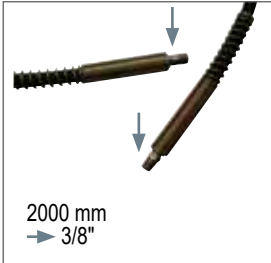
Z624A



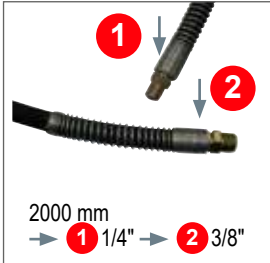
Z913A



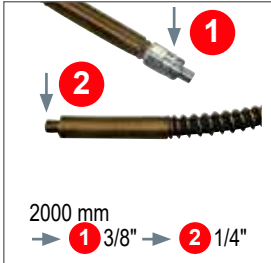
Z909A



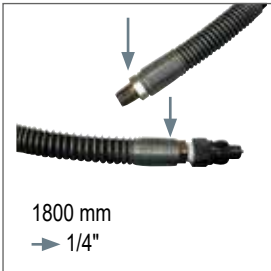
Z919A



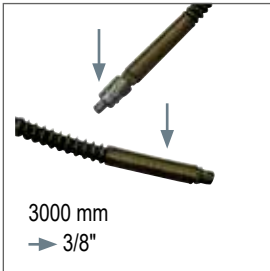
Z918A



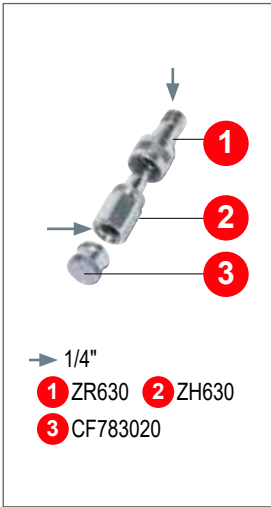
65176C



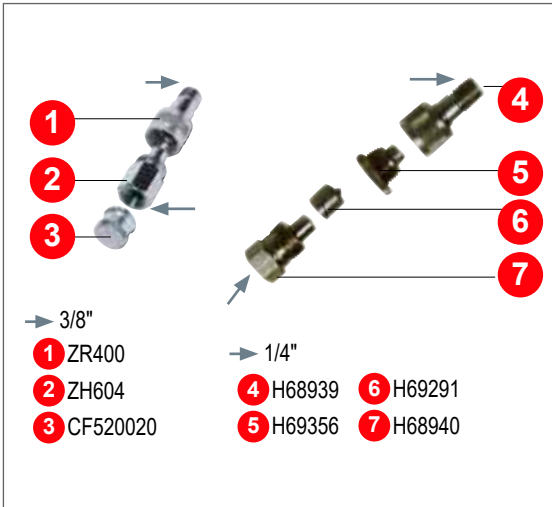
Z927A



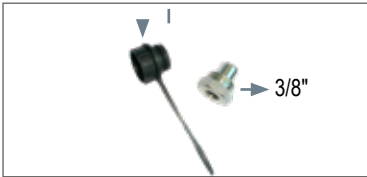
Z630



Z604



ACH604



PUMPS

65126A



65133A



PMP7610



PMP8110



PMP1530



65126WA



65133WA



PMP7600



PMP8100







PMP1501

















PUMPS

TECHNICAL SPECIFICATIONS



				
65126A	1/4"	638 cm ³	700 bar	6.8 kg
65133A	1/4"	400 cm ³	500 bar	4.7 kg
PMP7610	3/8"	770 cm ³	700 bar	6.2 kg
PMP8110	3/8"	1000 cm ³	700 bar	8.6 kg
PMP1530	3/8"	1500 cm ³	700 bar	8.8 kg
65126WA	1/4"	638 cm ³	700 bar	6.8 kg
65133WA	1/4"	400 cm ³	500 bar	4.7 kg
PMP7600	3/8"	770 cm ³	700 bar	6.2 kg
PMP8100	3/8"	1000 cm ³	700 bar	8.6 kg
PMP1501	3/8"	1500 cm ³	700 bar	8.8 kg

RAMS

65134A H68939	RC263 ZR400	ARC1710 ZR400	ARC1720 H68939	ARC102 ZR400	65137A H68939	ARC157 ZR400	
							
							
65134A	1/4"	84 cm ³	600 bar	4T	117 mm	279 mm	38 mm
RC263	3/8"	16.4 cm ³	700 bar	4T	16 mm	41 mm	-
ARC1710	3/8"	103 cm ³	700 bar	5T	141 mm	303 mm	57 mm
ARC1720	3/8"	104 cm ³	700 bar	5T	142 mm	303 mm	57 mm
ARC102	3/8"	82 cm ³	700 bar	10T	57 mm	118 mm	57 mm
65137A	1/4"	237 cm ³	670 bar	10T	152 mm	304 mm	57 mm
ARC157	3/8"	220 cm ³	700 bar	10T	152 mm	370 mm	57 mm











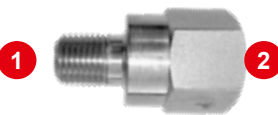
RC159 ZR400	ARC161 ZR400	ARC1610 ZR400	ASK257900 ZR400	RC250 ZR400	ARC2506 ACR400	65125 H68939
RC159	3/8"	3/8"	3/8"	3/8"	3/8"	1/4"
220 cm ³	366 cm ³	366 cm ³	366 cm ³	430 cm ³	525 cm ³	524 cm ³
700 bar	700 bar	700 bar	700 bar	700 bar	700 bar	680 bar
10T	10T	10T	10T	20T	20T	25T
152 mm	250 mm	250 mm	250 mm	129 mm	158 mm	165 mm
298 mm	402 mm	545 mm	480 mm	287 mm	263 mm	280 mm
57 mm	57 mm	57 mm	57 mm	86 mm	86 mm	84 mm

SPREADERS

RS80 ZR400	RS100 FZ1630	65123A H68939	SA4 ZR400	SA6 FZ1630		
RS80	3/8"	1/4"	3/8"	3/8"	32 mm	292 mm
63.8 cm ³	63.8 cm ³	10 cm ³	10.6 cm ³	10.6 cm ³	157 mm	157 mm
700 bar	700 bar	580 bar	700 bar	700 bar	15 mm	66 mm
10T	10T	10T	10T	10T	10 mm	95 mm
32 mm	32 mm	15 mm	10 mm	10 mm	51 mm	51 mm
292 mm	292 mm	66 mm	95 mm	95 mm	51 mm	51 mm
157 mm	157 mm	50 mm	51 mm	51 mm		

GAUGES AND COUPLERS



		Used with		Coupler
V82	Shut off valve			
AGA1	Gauge adaptor, 70 mm length for pump and hose	PMP7600 PMP8131	3/8" NPT	
AGA21	Gauge adaptor, total length 155 mm, for pump and hose		3/8" NPT	
AGF10S	Hydraulic pressure gauge 700 bars			
AGF7000				
AGF23S				
FZ1616	Elbow		3/8" NPT	
FZ1614	Female coupling		3/8" NPT	
FZ1617	Hex nipple		3/8" NPT	
FZ1630	Reducer bushing	1 1/4" NPT 2 3/8" NPT		
FZ1055	Reducer	3/8" NPT 1/4" NPT		

ATTACHMENTS FOR USE WITH 10-20T HYDRAULIC RAMS



		Used with			
					
FZ1050	Tube connector	10T	10T	20T	
FZ1051	Male Adaptor		10T		
FZ1052	Female adaptor		10T		
Z10	Male connector	10T			
Z242	Threaded connector			20T	
Z436	Serrated Saddle			20T	
Z1047	90° V base			20T	
Z595	Toe lift			20T	
Z21	Lock pin	10T			
Z238	Chain pull plate			20T	
Z218	Single hook 8' chain			20T	
65634	Tube adaptor	10T	10T		
65651	Adjustable extension		10T		
AEK327	Single hook chain	10T	10T		

HYDRAULIC SETS - HEAVY DUTY



HDY25
Hydraulic stand



HDY22B
With cylinder ARC2506 stroke 158 mm



HDY2504
Hydraulic stand with accessories



HDY23A
With cylinder ARC2514 stroke 362 mm



PMP1530



ARC23
"C" PRESS - 23T - COMPLETE



ARC21
"C" PRESS - 10T - COMPLETE

CATALOGUE

WELDING & INDUCTION SYSTEMS

BLACKHAWK



SPOT WELDERS

The Blackhawk line of medium frequency resistance spot welders are micro-processor controlled and feature direct current (MFDC) inverter technology. A step above traditional spot welders, the Power Gun technology allows for higher welding currents with low absorption rates. Longer, lighter cables give better holding, wider range of action, and a minimum magnetic fields around the cables. Particularly suitable for autobody and repair shops, these welders give excellent results on high strength steel (HSS) and galvanised sheet metal.

Thanks to automatic recognition of the materials and thickness, the innovative Smart Autoset technology, eliminates set-up times and guarantees optimal spot welding, even when the types of steel to be processed are unknown. WAVE technology facilitates interaction with the machine and tracks all operating parameters for their processing and reporting. The programs and reports generated can be transferred to a USB flash drive for printing or viewing on a PC.

WEL14000A

15 000 A, 3 phase medium frequency, inverter technology, microprocessor-controlled resistance spot welder.

Speed up your welding process with the WEL14000A.

The Smart Autaset technology automatically detects materials and thicknesses - all you need to do is weld!

COMPLETE PACKAGE WITH:

Load balancer and pole kit, 3 water cooled arms, WEL14024-WEL14003-WEL14006 and 360 ring kit.

TECHNICAL DATA:

- 3 phase 400V 50/60 Hz, Mains fuse 32 A
- 3 phase 200/240V 50/60 Hz, Mains fuse 63 A
- Max spot-welding current 15000 A
- Max electrodes power 580 daN
- Max weld. thickness on sheets 3 + 3 + 3 mm
- Dimensions 800x520x1150 mm
- Weight 100 kg



SMART TECHNOLOGY

The innovative Smart Autaset technology automatically recognizes materials and thickness which eliminates set-up times and guarantees optimal spot welding, even when the types of steel to be processed are unknown. Suitable for body shop applications and gives excellent results on high strength steel (HSS)/boron and galvanized sheet metal.

EASY TO USE

The multifunction digital panel can be used to select the automatic Smart Autaset mode as well as the EASY, PRO, MULTI semi-automatic mode and the manual mode. Automatic pressure monitoring ensures excellent adjustment of the force applied to the gun electrodes.

TOTAL CONTROL

Technicians may customize the parameters to create and save their own spot-welding program. The machine allows for manual set-up of up to three materials and up to three different thicknesses. The programs and reports generated can be transferred to a USB pen drive.

WIDE RANGE

The Power Gun Technology allows high spot-welding currents with low absorption rates, the use of longer (5m) and lighter cables for a better holding and a wider range of action and minimum magnetic fields around the cables.

INCLUDED

WEL14001A
Load balancer and pole kit



WEL14004
360 Ring kit



OPTIONAL

WEL14009
Caps maintenance kit aqua



WEL14005
Coolant for cooling systems



WEL14014
Studder kit



ARMS & ELECTRODES
(see page 6)



WEL14027
Wi-Fi Connectivity kit



WEL15000

12 000 A, 3 phase medium frequency, inverter technology, microprocessor-controlled resistance spot welder.

WEL15000 is suitable for body shop applications and giving excellent results on (HSS)/boron and galvanized metal sheets.

COMPLETE PACKAGE WITH:

Load balancer and pole kit, 4 water cooled arms, WEL14024-WEL14003-WEL14006-WEL14007, 360 ring kit, Coolant and Caps maintenance kit.

TECHNICAL DATA:

- 2 phase 400V 50/60 Hz, Mains fuse 32 A
- Max spot-welding current 7000 A
- Max electrodes power 400 daN
- Max weld. thickness on sheets 3 + 3 mm
- Dimensions 790x450x900 mm
- Weight 81 kg



SMART AUTOSET

Automatic recognition of the materials and thickness by Smart technology, eliminates set-up times and guarantees optimal spot welding even if the types of steel to be processed are not known.

MULTIFUNCTION DIGITAL PANEL

Can be used to select the automatic Smart Autoset mode as well as the EASY, PRO, MULTI semi-automatic mode and the manual mode. The programs and reports generated can be transferred to a USB pen drive.

POWER CLAMP TECHNOLOGY

Allows high spot-welding currents with low absorption rates, the use of longer (5m) and lighter cables for a better holding and a wider range of action and minimum magnetic fields around the cables.

AUTOMATIC

Pressure monitoring ensures excellent adjustment of the force applied to the clamp electrodes plus automatic recognition of the arm and inserted tool.

INCLUDED

WEL14001A
Load balancer and pole kit



WEL14009
Caps maintenance kit aqua



WEL14004
360 Ring kit



WEL14005
Coolant for cooling systems



OPTIONAL

WEL14014
Studder kit



WEL14027
WI-FI Connectivity kit



WEL17000

7 000 A, 2 phase 400V X-Gun resistance spot welder

WEL17000 is a microprocessor controlled, spot-welding machine with a pneumatic water-cooled X-Gun for use in light car body repair and industrial field.

COMPLETE PACKAGE WITH:

Water cooled pneumatic X-gun with electrodes and water-cooling unit.

TECHNICAL DATA:

- 2 phase 400V 50/60 Hz, Mains fuse 32 A
- Max spot-welding current 7000 A
- Max electrodes power 400 daN
- Max weld. thickness on sheets 3 + 3 mm
- Dimensions 790x450x900 mm
- Weight 95 kg



CONSISTENT QUALITY WELDS

The digital, LCD, multifunction control panel allows the automatic regulation of spot-welding parameters according to the chosen tool and sheet thickness.

WIDE RANGE WORKSTATION

Is a work station that allows multiple types of welding such as continuous and PULSE single spot welding, spot welding of screws, washers, nails and rivets, spot welding/traction of special washers, intermittent welding, metal sheets warming and upsetting.

OPTIONAL

WEL17001
Pole and balancer kit



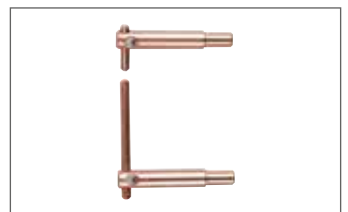
WEL14005
Coolant for cooling systems



WEL17002
Studder kit



ARMS & ELECTRODES



ELECTRODES



a. L= 18 mmWEL14011
b. L= 18 mmWEL15001
c. L= 25 mmWEL14012

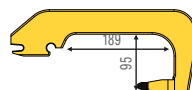
WATER COOLED ARMS

WEL14024 STD.....L= 95 mm
WEL14002L= 95 mm
WEL14003L=300 mm
WEL14006L=550 mm
WEL14008L= 430 mm

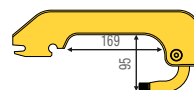
WEL14024: b for WEL15000 - a for WEL14000 - WEL14002: a

WEL14003: a - WEL14006: a WEL14007: c - WEL14008: a

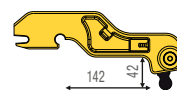
WEL 14024 STANDARD



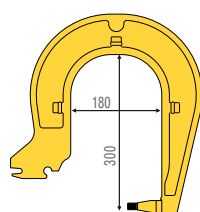
WEL 14002



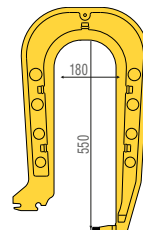
WEL 14007



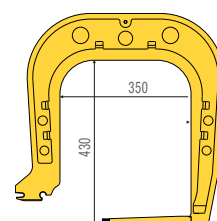
WEL 14003



WEL14006



WEL14008



WEL14009

Caps maintenance kit aqua



WEL14025

Electrode holder kit LONG/SHORT



ARM PAIRS WITH ELECTRODES

WEL17016

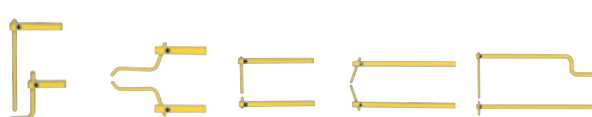


WEL14034

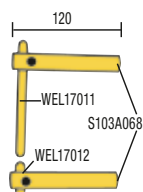


BASIC ARMS KIT WEL17014

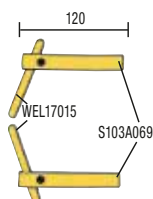
WEL17004 WEL17005 WEL17007 WEL17008 WEL17010



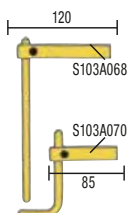
WEL17013
Straight arm pair



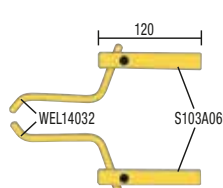
WEL17003
Bent arm pair



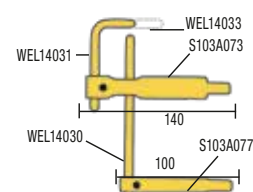
WEL17004
External profiles



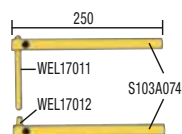
WEL17005
Clamp electrodes



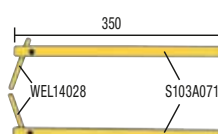
WEL17006
Internal profiles



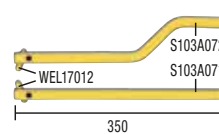
WEL17007
Straight arm pair



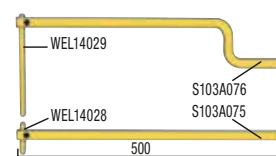
WEL17008
Bent arm pair



WEL17009
Shaped arm pair



WEL17010
Shaped arm pair



WEL17013.....L=120 mm (standard)

WEL17003L=120 mm

WEL17004.....L=120 mm

WEL17005L=120 mm

WEL17006.....L=140 mm

WEL17007.....L=250 mm

WEL17008.....L=350 mm

WEL17009.....L=350 mm

WEL17010.....L=500 mm

MIG/MAG MACHINES

These microprocessor controlled MIG-MAG/ FLUX/BRAZING/MMA/ TIG DC-Lift inverter multi-process welders are fast and easy to use. WEL 33 is extremely flexible and can be used for a wide variety of applications while the WEL34 gives you more power and versatility with the possibility of use three different torches.

WEL35 have 3 torches and always ready to weld. The WAVE feature enables the technician to work directly on different materials without any need to change either the torch or the wire spool. All three welders feature One Touch LCD Synergy technology which gives quick synergic regulation of the welding parameters

TECHNOMIG DUAL SYNERGIC



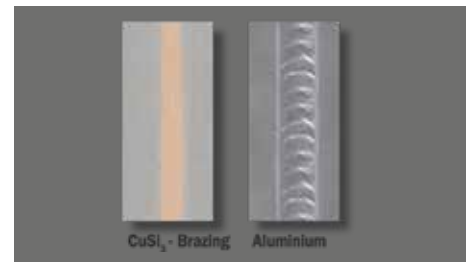
QUALITY

Smooth and accuracy wire feeding provide quality welds.



SYNERGIC

Quality welds on steel, stainless steel, aluminium



MIG-MAG

Excellent in body shops on galvanized panels



EASY

Pre-set synergy curves for various gases and materials.



ERGONOMIC

Easy to use, compact and light



FINE SET

WEL35, welding seam that can be shaped as required

WEL35

Three torches 220 A Single phase 230V compact Mig/Mag machine

WEL35 is microprocessor controlled MIG-MAG/FLUX/BRAZING/MMA/TIG DC-Lift inverter multiprocess welding machine.

It is particularly suitable for use in body shops and allows the immediate use of three different torches. This feature enables the user to work directly on different materials without any need to change either the torch or the wire spool, 3 coil storage: 1 - 5 kg max and 2 - 15 kg max. Each torch can be dedicated to welding specific materials such as steel, high resistance steel (HSS), stainless steel, aluminum and brazing of galvanized metal sheets.

COMPLETE PACKAGE WITH:

2 MT15 torches, 1 MT25 torch, cable and grounding clamp.

CONFIGURATION:

- Steel welding wire diameter 0,6 - 1 mm
- Aluminum welding wire diam. 0,8 - 1,2 mm
- Brazing wire diam. 0,8 - 1,2 mm
- Inox welding wire diameter 0,8 - 1 mm
- Flux cored welding wire diam 0,8 - 1,2 mm

TECHNICAL DATA:

- Single phase 230V 50/60 Hz, Mains fuse 32 A
- Current range 20 - 220 A
- Max current 180 A - 20%, 100 A - 60%
- Max. Power 5 kW
- Dimensions 870x530x1665 mm
- Weight 59 kg



ALWAYS READY

3 torches always ready for use.

USER FRIENDLY

Visualization on LCD display of welding parameters: Easy Mode = select the material thickness and weld! Expert Mode = a fine set of welding parameters for specific welding requirements.

VERSATILE

WAVE OS operating system with pulsed welding programs for specific materials, 25 customizable programs.

QUALITY

ATC technology, excellent results are easily obtained due to advanced arc control, decreased deformation of material, extremely stable arc even when working with low currents, rapid and accurate tack welding.

EFFICIENT

Advanced technological solutions for welding operations in pulsed mode on aluminum and galvanized sheet metal. Optimized for the welding of materials which are particularly sensitive to heat input, guarantees excellent results, from both a structural and aesthetic viewpoint, comparable to those achieved by TIG welding.

WEL34

Two torches + Spool gun, 220 A Single phase compact Mig/Mag machine

WEL34 is particularly suitable for auto body repair shops and allows 3 torches, two standard MIG torches and a spool gun, which enables the technician to work directly on different materials without any need to change the torch or the wire spool.

The traditional MIG torches are suitable for welding steel, HSS high strength steels, stainless steel and Mig-brazing of galvanized sheets, while the spool gun torch is specific for aluminum welding, even when working far away from the machine.

COMPLETE PACKAGE WITH:

2 MT15 torches, Spool gun, cable and grounding clamp.

CONFIGURATION:

- Steel welding wire diameter 0,6 - 1 mm
- Aluminum welding wire diam. 0,8 - 1,0 mm
- Brazing wire diam. 0,8 - 1,0 mm
- Inox welding wire diameter 0,8 - 1 mm
- Flux cored welding wire diam 0,8 - 1,0 mm

TECHNICAL DATA:

- Single phase voltage 230V 50/60 Hz, Mains fuse 32 A
- Current range 20 - 220 A
- Max current 180 A - 20%, 100 A - 60%
- Max. Power 5 kW
- Dimensions 870x530x1665 mm
- Weight 52 kg



TRIPLE TORCH VERSATILITY

3 coil storage, 2 - 15 kg for steel + spool gun 1 - 1 kg for aluminum.

WIDE RANGE

Quick synergic regulation of the welding parameters, thanks to the one touch LCD synergic technology, makes this product easy to use. 17 synergy curves available for various gases and materials.

USER FRIENDLY

Visualization on LCD graphic display allows better reading of all welding parameters.

QUALITY

ATC technology achieves with ease excellent welds on thin thicknesses thanks to an advanced control of the arc.

The operator can also intervene manually along the arc length: this adjustment means the weld seam can be modified according to the welder's style.

WEL33

Single torch 220 A Single phase 230V compact Mig/Mag machine

WEL33 is the perfect solution for welding in body shops. Extremely flexible, it can be used to weld a wide range of materials including steel, stainless steel and aluminum or galvanized sheet metal for braze welding.

Lightweight and very compact, can be moved around easily in all intervention areas, both indoors and outdoors

COMPLETE PACKAGE WITH:

2 MT15 torches, 1 MT25 torch, cable and grounding clamp.

CONFIGURATION:

- Steel welding wire diameter 0,6 - 1 mm
- Aluminum welding wire diam. 0,8 - 1,0 mm
- Brazing wire diam. 0,8 - 1,0 mm
- Inox welding wire diameter 0,8 - 1 mm
- Flux cored welding wire diam 0,8 - 1,2 mm

TECHNICAL DATA:

- Single phase 230V 50/60 Hz, Mains fuse 32 A
- Current range 20 - 220 A
- Max current 180 A - 20%, 100 A - 60%
- Max. Power 5 kW
- Dimensions 795X375X730 mm
- Weight 31 kg



QUICK

Synergic regulation of the welding parameters, 25 synergy curves available. The operator can also intervene manually along the arc length: this adjustment means the weld seam can be modified according to the welder's style.

EASY TO USE

The intelligent and automatic control of the arc, moment by moment, maintains high welding performance in all working conditions, with different materials and/or gases. The operator can also intervene manually along the arc length: this adjustment means the weld seam can be modified according to the welder's style.

POLARITY REVERSAL

for GAS MIG-MAG/BRAZING welding

MIG-MAG ACCESSORIES



1 - WIRE COILS

Stainless steel	S617A002	Ø 0,8	0,5 kg
	S617A003		1 kg

2 - WIRE COILS

Aluminium	S617A004	Ø 0,8	0,45 kg
	S617A005	Ø 1	0,45 kg
Al Mg ₅	S617A006	Ø 1 - (1pc)	2 kg
Al Si	S617A007	Ø 1 - (1pc)	2 kg

3 - FLUX CORED WIRE

	S450A002	Ø 0,8 - (2pcs)	0,8 kg
	S450A003		3 kg
	S450A004	Ø 0,9 - (2pcs)	0,8 kg
	S450A005		3 kg
	S450A006	Ø 1,2 - (2pcs)	0,8 kg
	S450A007		3 kg

4 - FLUX CORED WIRE

Steel	S450A008	Ø 0,6 - (2pcs)	0,8 kg
	S450A009		5 kg
	S450A010	Ø 0,8 - (2pcs)	0,8 kg
	S450A011		5 kg

5 - BRAZING WIRE

Cu Si ₃	S450A012	Ø 0,8	0,8 kg
Cu Si ₃	S450A013	Ø 0,8	3 kg
Cu Al ₈	S450A014	Ø 0,8	0,8 kg

6 - CONTACT TIP

Steels	S885A543	Ø 0,6 - for WEL35, WEL34, WEL33
	S885A546	Ø 0,8 - for WEL35, WEL34, WEL33
	S885A550	Ø 1 - for WEL35, WEL34, WEL33
Aluminium	S885A545	Ø 0,8 - for WEL35, WEL34, WEL33
	S885A549	Ø 1 - for WEL35, WEL34, WEL33
	S885A547	Ø 1,2 - for WEL35, WEL34, WEL33

7 - CONICAL NOZZLE

S885A541	for WEL35, WEL34, WEL33
----------	-------------------------

8 - THIN HEADED NOZZLE

S885A568	for WEL35, WEL34, WEL33
----------	-------------------------

9 - CYLINDER NOZZLE

S885A562	for WEL35, WEL34, WEL33
----------	-------------------------

10 - NOZZLE FOR SPOT-WELDING NAILS

S885A598	for WEL35, WEL34, WEL33
----------	-------------------------

11 - NOZZLE FOR SPOT-WELDING

S885A599	for WEL33/WEL34/WEL35
----------	-----------------------

S885A600	for WEL35
----------	-----------

12 - LINER

Steel/FLUX (3m)	S885A576	Ø 0,6÷0,8 - for WEL35, WEL34, WEL33
	S885A577	Ø 1÷1,2 - for WEL35, WEL34, WEL33
Steel/FLUX (5m)	S885A601	Ø 0,6÷0,8 - for WEL35, WEL33
	S885A602	Ø 1÷1,2 - for WEL35, WEL33
Aluminium (3m)	S646A218	Ø 1÷1,2 - for WEL34
	S885A603	Ø 1÷1,2 - for WEL35

13 - SPRING

S110A103	for WEL33/WEL34/WEL35
S110A104	for WEL34

14 - GAS DIFFUSOR

S885A570	for WEL34
----------	-----------

15 - FEEDING ROLLS

Fe	S281A039	Ø 0,6÷0,8 - for WEL35, WEL33
	S281A046	Ø 1÷1,2 - for WEL35
AL	S281A045	Ø 0,8÷1 - for WEL34
FLUX	S281A047	Ø 1÷1,2 - for WEL34
	S281A048	Ø 1÷1,6 - for WEL35, WEL33

16 - HELMET - WEL14026

17 - GAS REGULATOR - (a) WEL3301- (b) WEL3306



DENT PULLING SOLUTIONS

Steel and Aluminum repairs made easy! The WEL16000 is a microprocessor controlled, electronic system for the repair of sheet metal making it a perfect fit for use in autobody repair shops. And if it's an aluminum repair you're working on, then the WEL21000 is the spotter for you. It allows for welding of studs on non-treated or non-oxidized surfaces in steel, stainless steel, galvanized steel, brass and, in particular, aluminium.

WEL16000

Dual Gun Spotter, Single phase 230V

WEL16000 is a microprocessor controlled dual gun spotter for the repair of sheet metal. Perfect fit for use in autobody repair shops. With the LCD digital, multifunction control panel you get automatic regulation of the spot-welding parameters according to the chosen tool. It allows welding of studs on non-treated or non-oxidized surfaces in steel, stainless steel, galvanized steel and aluminum.



COMPLETE PACKAGE WITH:

Automatic gun, manual gun, work cable with pointing mass, extractor, spindle and pulling stars.

TECHNICAL DATA:

- Single phase 230V 50/60 Hz, Main fuse 16 A
- Peak Spot welding current: 3800 A
- Weight: 24 kg
- Max. Power: 10,5 kW
- Dimensions: 390x260x225 mm

VERSATILE

Meet your dent-pulling needs by connecting various working tools to the DINSE socket.

LCD DISPLAY

Makes it easy to read the parameters and instructions

EASY TO USE

Parameters adjust automatically to the chosen tool

OPTIONAL

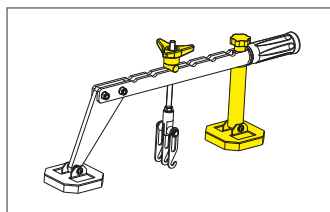
WEL16003
Trolley



WEL16006
Kit multiever



WEL16007
Pulling lever kit



WEL16004
Studder box



WEL16005
Dent pulling box



WEL16002
Duo accessory kit



WEL21000A

Aluminum Dent Puller, Single phase 230V

The WEL21000A is a portable aluminum dent puller that gives rapid welding and pulling thereby reducing repair times. It is suitable for applications in car body shops.

COMPLETE PACKAGE WITH:

Gun, earth cable with clamp and accessories.

TECHNICAL DATA:

- Single phase 230V 50/60 Hz, Main fuse 16 A
- Spot time 1 – 3 ms
- Number of welded studs 7 studs/min
- Stud diameters 3 – 4 mm
- Weight 11,7 kg
- Max. Power 10 kW
- Dimensions 450x150x270 mm



POWERFUL

Handles capacitor discharge welding of studs of 3 - 4mm as well as other accessories, with tip strike.

VERSATILE

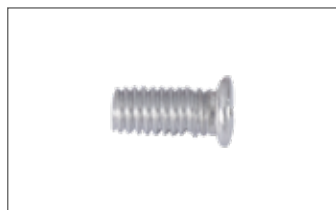
Welding of studs on non-treated or non-oxidized surfaces in steel, stainless steel, galvanized steel, brass and, in particular, aluminum

FAST

The welding process is so short that it causes no alteration to the opposing surface even if painted, plastic-coated or galvanized.

OPTIONAL

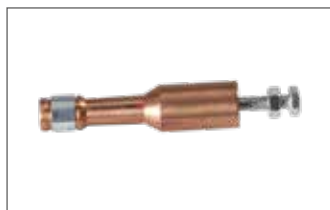
WEL21001
M3 - Al 12 mm (100pcs)



WEL21002
M4 - Al 16 mm (100pcs)



WEL21003
M3 - Stud holding electrode (1pc)



WEL21004
M4 - Stud holding electrode (1pc)



WEL18000

Aluminum-Steel Dent Puller Station

WEL18000 is the perfect solution for Aluminum & Steel dent repair. The dent puller station is equipped and designed to fit both WEL21000 Aluminum Dent Puller and WEL16000 Dual Gun Spotter.

WEL18000 dent puller station is a complete mobile workstation equipped with the tools technicians need to properly repair dents in aluminum, steel sheet metal body panels and hoods. It includes multilevel, traction bar, pull system and accessories.












COMPLETE PACKAGE WITH:














- Puller station
- Kit multilevel
- Traction bar
- Compact puller
- Pull system
- Multihooks 8 pin
- Multihooks 6 pin
- Dent pulling box













TECHNICAL DATA:

- Dimensions 450x150x270 mm
- Weight 11,7 kg



WEL16004		WEL16005	
			
D		E	
STARS			
	WEL18003	STAR (100pcs) BOX: D 10pcs - E 20pcs	
		STAR HOLDING ELECTRODE	
WASHERS			
		Ø 8 mm (100pcs) BOX: D 50pcs	
		WASHER HOLDING ELECTRODE	BOX: D 1pc
		HOOK MANDREL	
WAVY WIRE			
	WEL18011	300 mm (50pcs)	
	WEL18012	200 mm (50pcs) BOX: E 20pcs	
		SPOT WELDING ELECTRODE	BOX: D 1pc - E 1pc
		MAGNETIC POSITIONER	

UPSETTING			
		SQUEEZING ELECTRODE	BOX: D 1pc
RIVETS			
Ø3		3,2 mm (100pcs)	BOX: D 50pcs
Ø3		4,5 mm (100pcs)	BOX: D 100pcs
Ø3		ELECTRODE	BOX: D 1pc
M4		15 mm (100pcs)	
M4		ELECTRODE	
M5-Ø5		18 mm (100pcs)	BOX: D 50pcs
M5-Ø5		10 mm (100pcs)	
M5-Ø5		12 mm (100pcs)	BOX: D 50pcs
M5-Ø5		25 mm (100pcs)	
M5-Ø5		ELECTRODE M5 - M6	BOX: D 1pc
HEATING			
		150 mm CARBON	BOX: D 5pcs
HOOK WASHERS			
	WEL18009	FLAT HOOK WASHERS	BOX: E 10pcs

	WEL18040	TWISTED HOOK	
		WASHERS	BOX: E 10pcs
		ELECTRODE	BOX: E 1pc
		LEVER - 210 mm	BOX: E 1pc
		LEVER - 410 mm	
PATCHING			
	WEL14020	ELECTRODE	
SPOT-WELDING 1 SIDE			
	WEL14017	ELECTRODE	BOX: D 1pc
POINTING MASS			
	WEL18024		
NAILS			
	WEL18021	Ø 2X50 mm (100pcs)	
	WEL18022	Ø 2,5X50 mm (100pcs)	
	WEL14021	NAILS HOLDING ELECTRODE	
	WEL14018	NAILS HOLDER	



CUTTERS

The Technology WEL19000 is the perfect cutting tool for high-strength steels. It gives accurate, clean, microprocessor controlled high-speed cutting. This inverter, compressed air plasma cutting system, features contact striking of pilot arc. FAST - Allows a rapid, distortion-proof cutting of all conductive materials such as steel, stainless steel, galvanised steel, aluminium, copper, brass, etc.

WEL19000

Plasma Cutter, Single phase 230V

The Plasma WEL19000 is the perfect cutting tool for high-strength steels. It gives accurate, clean, microprocessor controlled high-speed cutting. It is an inverter, compressed air plasma cutting system, with contact striking of pilot arc.

Allows a rapid, distortion-proof cutting of all conductive materials such as steel, stainless steel, galvanized steel, aluminum, copper, brass, etc.

COMPLETE PACKAGE WITH:

- Torch

TECHNICAL DATA:

- Single phase 230V 50/60 Hz, Main fuse 16 A
- Current range 7 - 40 A
- Max current 35 A - 30%
- Max cutting thickness 12 mm
- Compressed air capacity 100L/min
- Compressed air pressure 4 - 5 bar
- Weight 7,6 kg
- Max. Power : 4 kW
- Dimensions : 540x150x270 mm



PORTABLE

Light weight and compact making it handy to use anywhere in the workshop.

SAFE

Features a warning LED-light for: torch under voltage and thermostatic, overvoltage, undervoltage, overcurrent protections.

CONTROL

The control panel gives clear visualization of air pressure allowing technicians to keep control of the process.

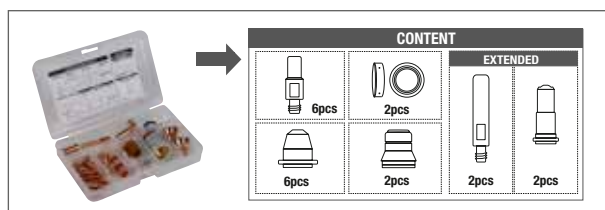
AUTOMATIC COOLING OF THE TORCH

Makes for fast clean-up after the repair

OPTIONAL

WEL19001

Ph torch consumables box



WEL14026

Helmet



INDUCTION HEATERS

FAST - SAFE - PRECISE!

The Blackhawk high performance induction heaters safely meet all your heating needs. Since there is no open flame work can be carried out with no risk of damage to surrounding parts and cables. As opposed to heating with an open flame, the induction process enables the metal to be heated with precision, directly in the heart of the metal, at a localized spot up to 5mm in depth.

Ideal for straightening, bending and loosening of seized-up pieces, these induction heaters produce heat only at the point of contact bringing the metal almost instantaneously to a uniform temperature of 500 to 600°C for safer, more accurate heating.



IHR04



IHR11



IHR15



TECHNICAL SPECIFICATIONS

IHR04		IHR11		IHR15	
Power supply	230 V - 50 Hz	Power supply	400 V - 50 Hz	Power supply	400 V - 50 Hz
Max. Power	4 kW	Max. Power	11 kW	Max. Power	15 kW
Water cooling	5l	Water cooling	20l	Water cooling	20l
Cable network	9 m	Cable network	9 m	Cable network	9 m
Inductor cable	3 m	Inductor cable	3 m	Inductor cable	3 m
Dimensions	420x420x740 mm	Dimensions	500x600x1100 mm	Dimensions	500x600x1100 mm
Weight	65,05 kg	Weight	120 kg	Weight	140 kg

BLACKHAWK

BLACKHAWK SAS

International Sales BP 5 67026 Strasbourg Cedex - France

Tel: +33 3 88 65 76 30 Fax: +33 3 88 65 76 31

E-Mail: blackhawk-export@snapon.com - blackhawkcollision.com

France Benelux BP 5 67026 Strasbourg Cedex France

Tel: 03 88 65 76 30 Fax: 03 88 65 76 31

E-Mail: blackhawk-france@snapon.com - blackhawk-benelux@snapon.com

Deutschland Schweiz -Österreich BP 5 67026 Strasbourg Cedex France

Tel: +33 3 88 65 76 30 Fax: +33 3 88 65 76 31

E-Mail: blackhawk-deutschland@snapon.com



BlackHawk® is a trademark of Snap-on Incorporated. All rights reserved.

Product images are for illustrative purposes only and may differ from the actual product. BlackHawk reserves the right to modify any content without prior notice.