

**BLACKHAWK**



**BLACKHAWK**

**CATALOGUE**





# INDEX

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**01-** Measuring systems // 02

**02-** Straightening systems // 10

**03-** Lifting systems // 41

**04-** Porto Power & hydraulic sets // 52

**05-** Welding & induction systems // 64

CATALOGUE

**MEASURING  
SYSTEMS**



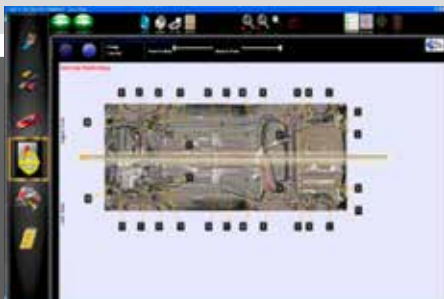
# SHARK

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



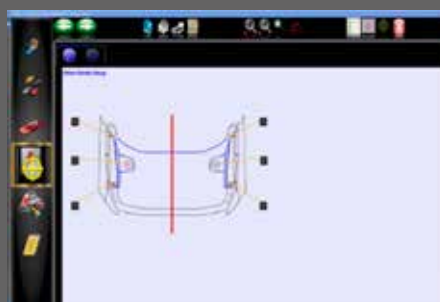
# SHARK CABINET

Easy and fast to use. Reliable, extremely precise and repetitive results on all test points. Much easier than mechanical measuring, but the same logic. The ultrasonic technology and the highly developed computer program used by the SHARK make it a particularly userfriendly system. Easy and natural training and use, SHARK will complement all Blackhawk® straightening systems and many others.



#### 4 MAIN PARTS:

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



# TECHNICAL SPECIFICATIONS



## HARDWARE

- New look cabinet
- 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



Measuring of high test point (Mc Pherson)

Optional: MC PHERSON



## COMPOSITIONS



### SHA54 / SHA50

Set with 8 probes - without Mc Pherson / with Mc Pherson

### SHA55 / SHA51

Set with 6 probes - without Mc Pherson / with Mc Pherson



SHA54 / SHA50

220 V

500 W

SHA55 / SHA51

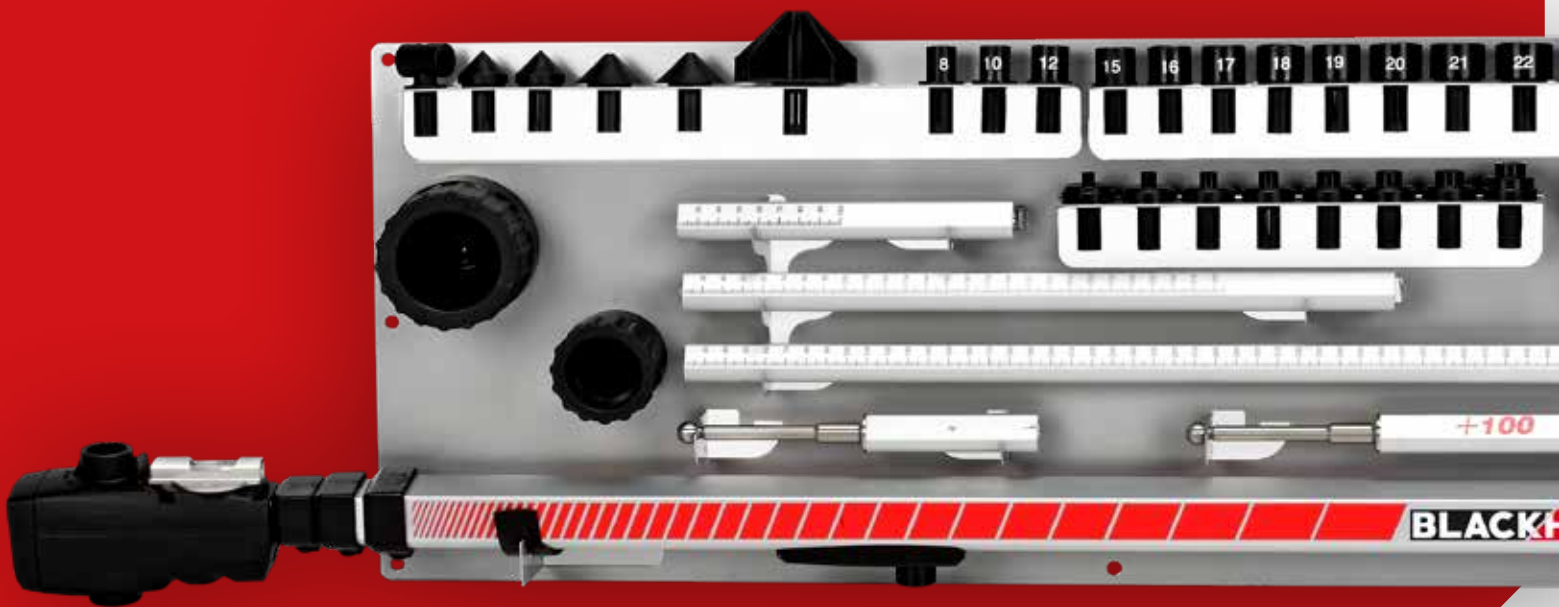
220 V

500 W



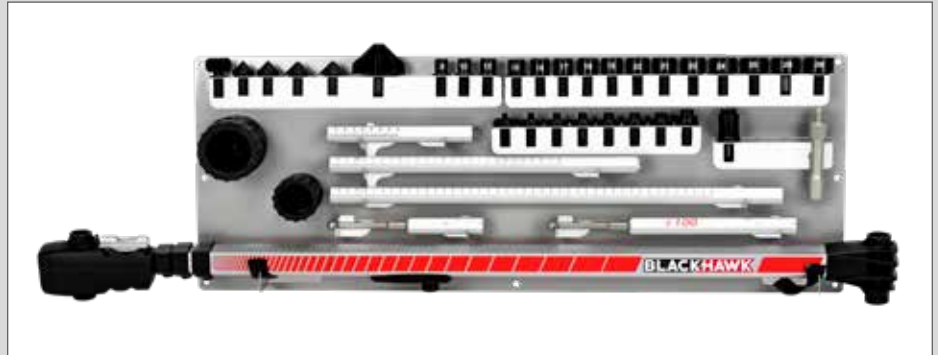
# TECH TRAM

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



# TECHTRAM

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



Version on metal tool panel P/N: MGE10

TECH TRAM™ is a telescopic digital measuring gauge, very easy to use and allowing quick controls of measuring points.



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



**AEK119**

1,45 kg

415 mm

925 mm

**AEK329**

2,0 kg

920 mm

2600 mm

**AEK419**

2,3 kg

950 mm

3250 mm

		AEK119	AEK319	AEK419
1	F13820	2	2	2
2	F13790	2	2	2
3	F21900	2	2	2
4	F17870	2	2	2
5	F16450	2	2	2

CATALOGUE

# STRAIGHTENING SYSTEMS

**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

The most efficient and currently the most sold straightening system worldwide

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



### PUSH



### PULL

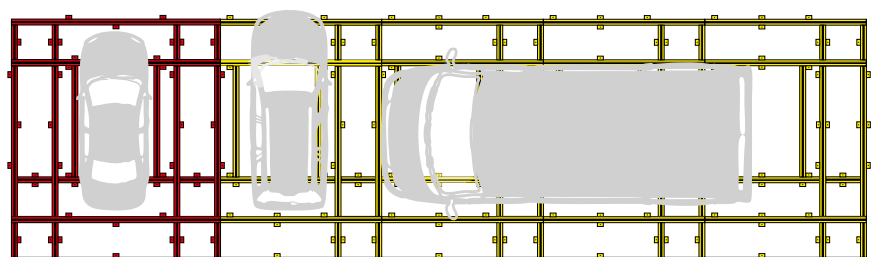
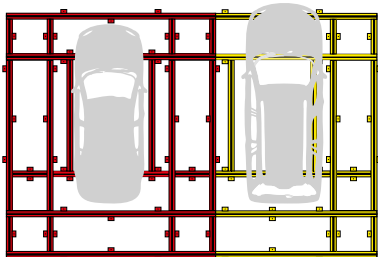
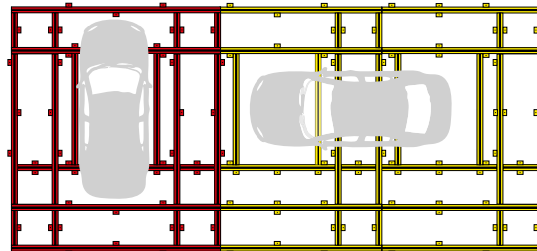
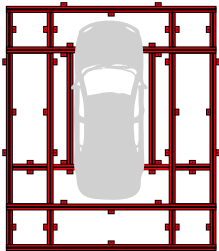


- Fast and easy set up
- Work at chosen height
- Optimum anchoring
- Multiple pulls and pushes
- Can be combined with measuring
- Multipurpose space
- Push / pull capacity / 8 to 10T pull

## THE FRAMES WORKING BAYS



## A MODULARITY WHICH CAN BE ADAPTED TO YOUR NEEDS

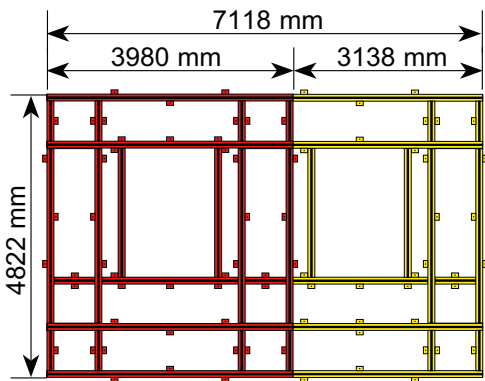
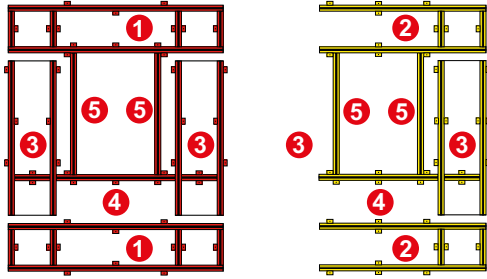


The modular Korek® frame is composed of parts very easy to put together. One base module is suitable for one work area. By adding standard complements, you can obtain the frame length which corresponds to the size of your shop and number of working bays. There is no limit! Frames can also be installed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

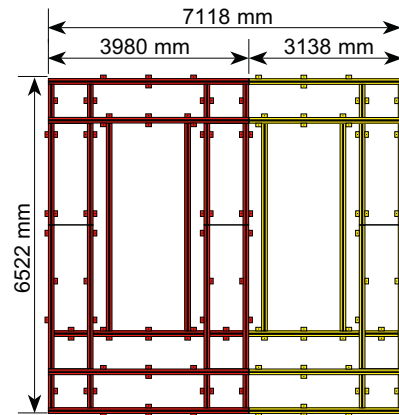
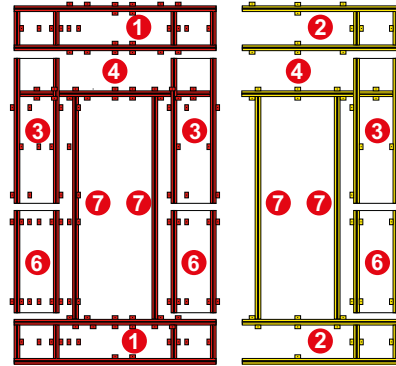
# ASSEMBLY= SIMPLICITY





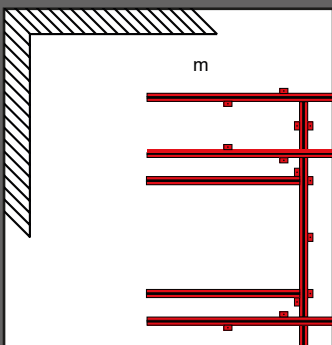
## ASK1605901PLS - ASK160500PLS



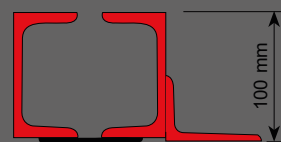
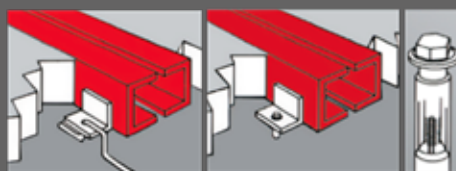
## ASK1607901PLS - ASK160700PLS



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



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



# LIFTS / A COMPLETE RANGE

## STL3500



In-floor lift with telescopic arms and electric pump + remote control for Korek installation only



**SPECIFICATIONS**

**STL3500**

1350 mm

3,5 T

## STL50



**LIFT WITH TELESCOPIC ARMS,  
ELECTRIC PUMPO AND REMOTE CONTROL**

• In-floor or above floor instalation



**SPECIFICATIONS**

**STL50**

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

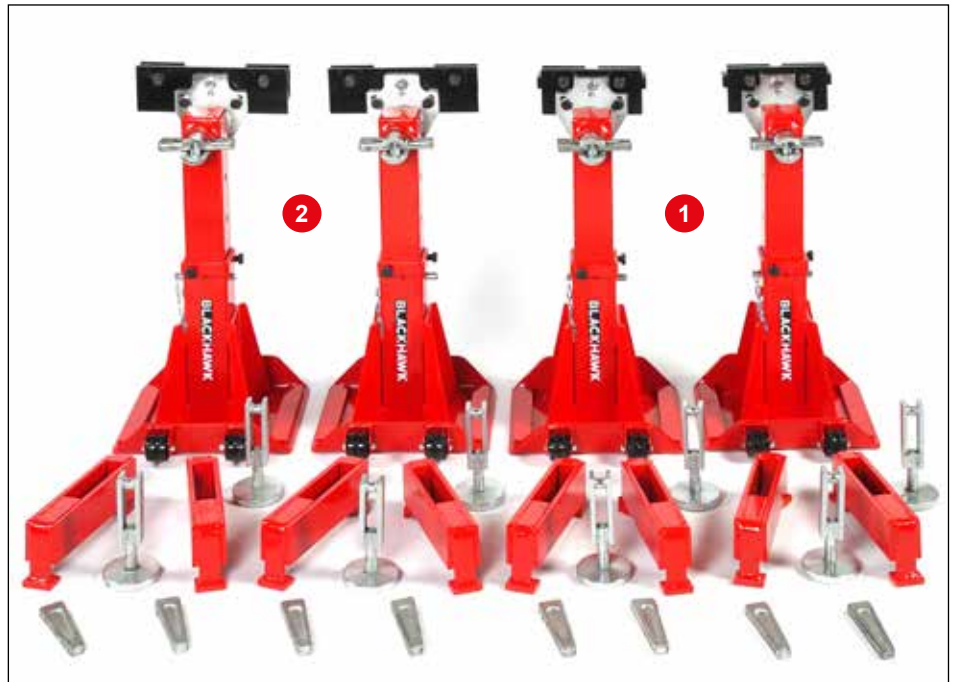
•Push accessories set



# POWER LOK® AFM813H



It ensures an efficient anchoring at the right height



## 306 KG / 3 POSSIBLE HEIGHTS

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

## COMPOSITION

<b>AEK158.2</b>	L 235 mm	Standard
<b>AEK159.2</b>	L 350 mm	Standard

## AFM813H

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



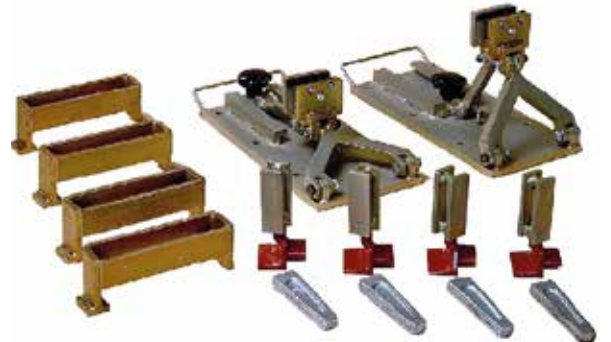
Thanks to its 4 robust clamp supports on wheels, the Power Lok® maintains the car at a comfortable working height and keeps it clamped firmly against the unflinching rigidity of the Korek® frame. The vehicle underbody which has become easily accessible, keeps its perfect rigid position during the repairs.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

# QUICK ANCHOR SYSTEM



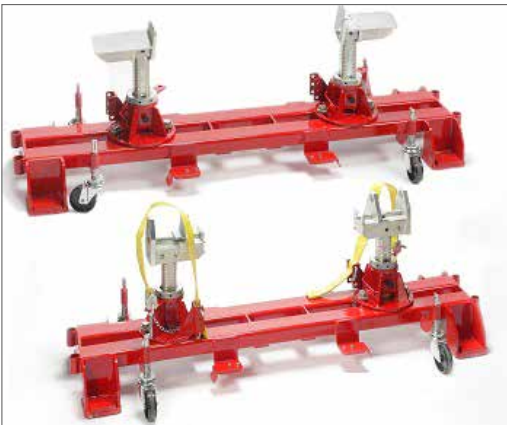
**AFM822B** For small damages

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



**AFM28**

Anchoring system for chassis type vehicle and 4WD

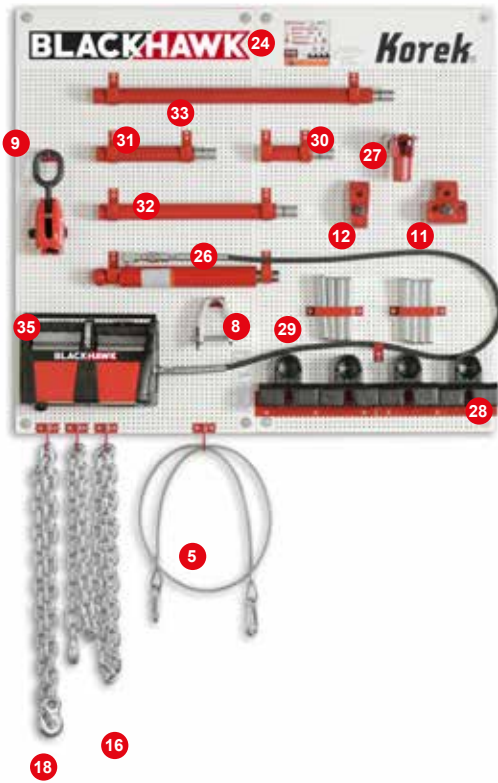


# PULL UNITS

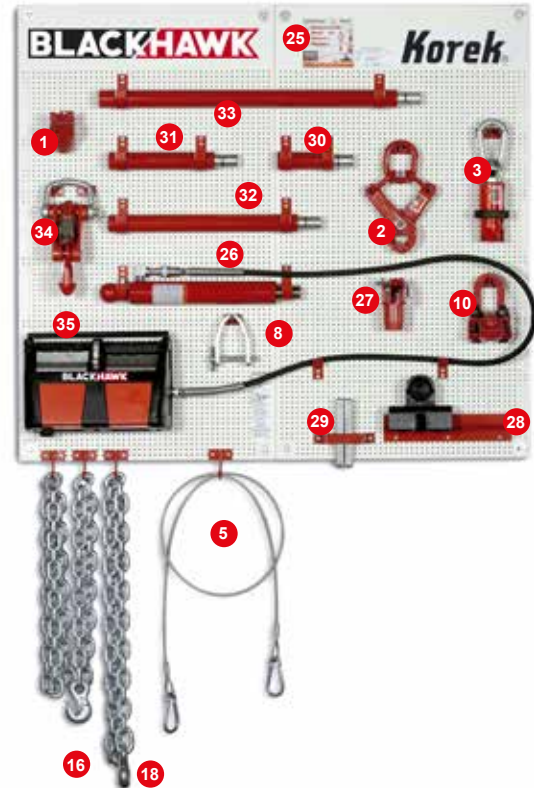
## AFM1320 (AFM1310+AFM1315)



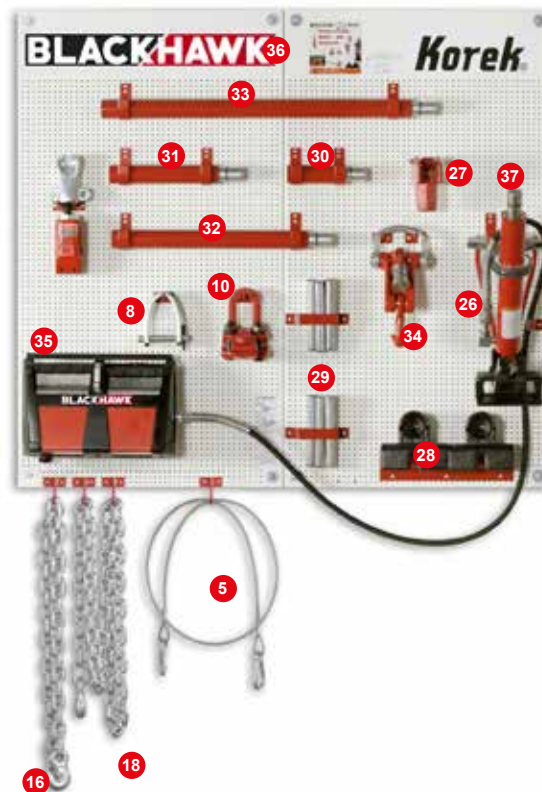
AFM1310



AFM1315



AFM1400A

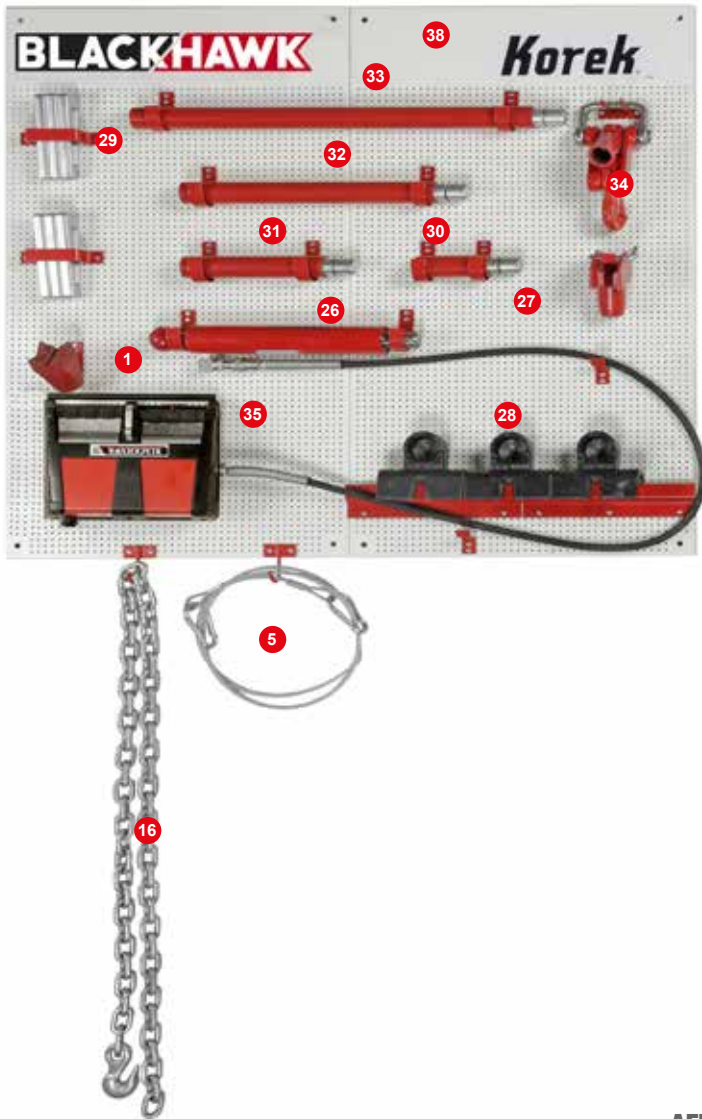


		AFM1310	AFM1315	AFM1320	AFM1400A	
1	65638		1	1		
2	97200S		1	1		
3	97401S		1	1		
4	97605E					
5	AEK99	1	1	2	1	
6	AEK102					
7	AEK103	600 mm				
8	AEK105S	1	1	2	1	
9	AEK182S	1		1		
10	AEK183		1	1	1	
11	AEK232	1		1		
12	AEK233	1		1		
13	AEK235S					
14	AEK271					
15	AEK301					
16	AEK307	2700 mm	1	1	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					

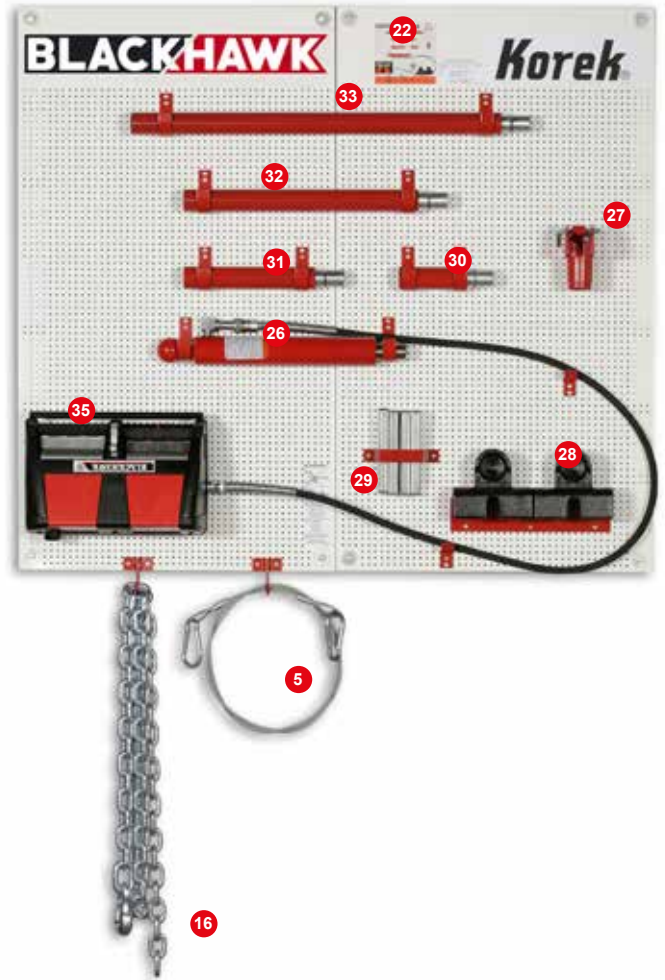
# PULL UNITS



AFM135A



AFM1390



AFM1360



	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

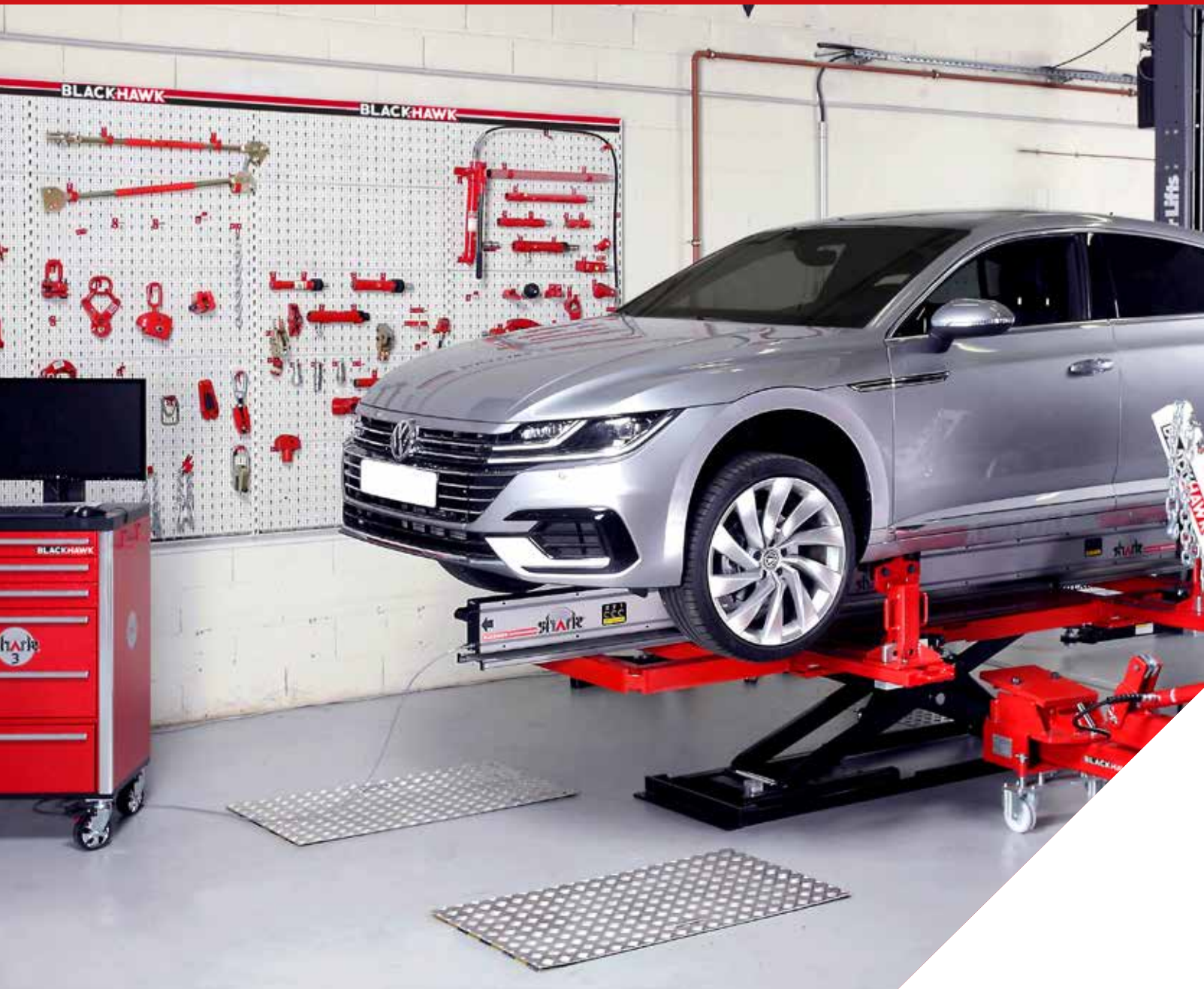






# POSTLIFT

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 on table: 1300 mm
- Max. lifting height on clamps: 1700 mm
- Lifting capacity: 3.2T



Fast and easy vehicle set up

### DOZER

Great pulling force  
dozer with 10T ram



### PL10D

Adapted to Shark measuring system



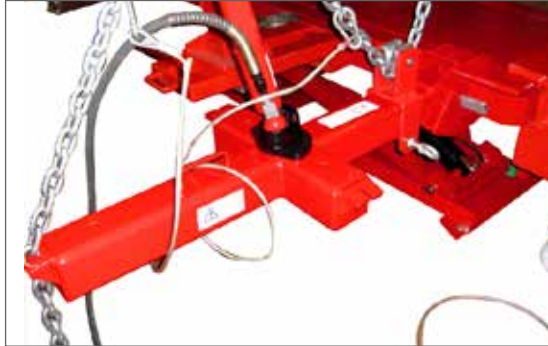
### OPTIMAL

Force of scissors lifting





**PLT14**  
Vector pulling arm for  
Postlift



Down pull with pulley



Double push/pull



**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

### MPT6005

Set of 4 adjustable pads on mobile arms



### 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

		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



**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



# POWER-PRO46L





# POWER-PRO46L

## PLT46

- Robust anchoring
- Considerable straightening force-Dozer with 10T ram



## PLT46

Perfect combination with the measuring system Shark®  
Quick and easy installation



Drive-on bench and removable access ramps



# DOZER PULLING ARM



## COMPOSITION

		OPTION	
		PLT42	PLT43
1	PLT420W	1	1
2	PLT480	1	0
3	PLT552*	4	0
4	ARC1610	1	1
5	PMP8110	1	1
6	AEK302	1	1
7	AEK99	1	1
8	AEK428	1	0

\*Set of 4 clamps

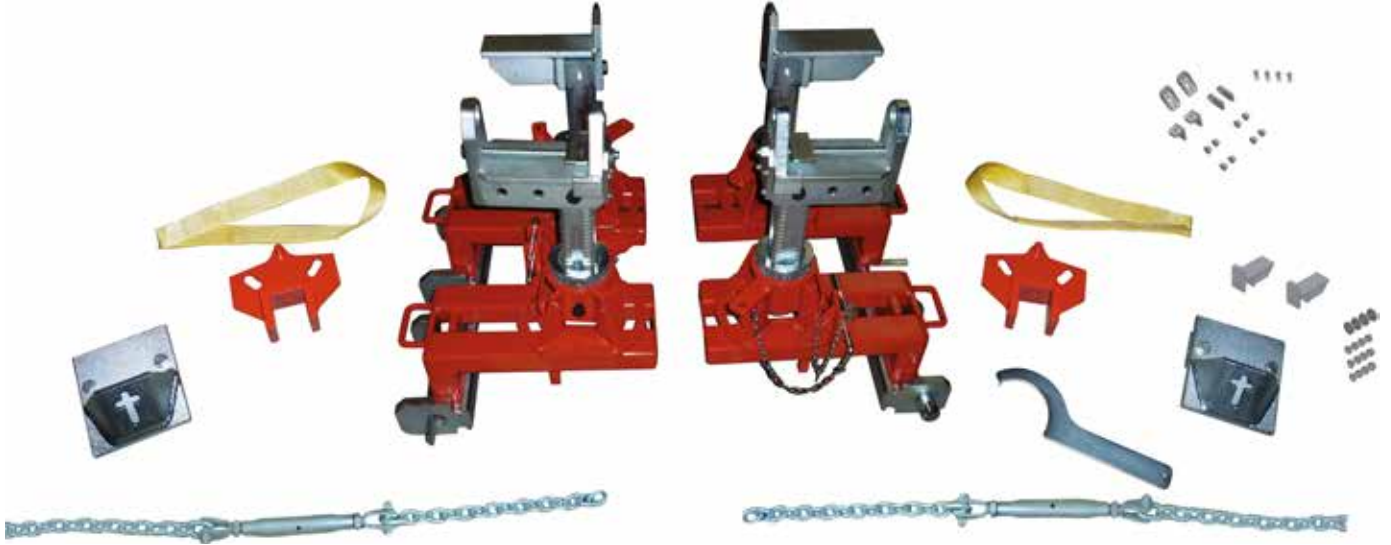


# OPTIONS



## PLT19

Set / Anchoring system for chassis type vehicle and 4wd



## PLT4001A

Vector pulling arm with accessories



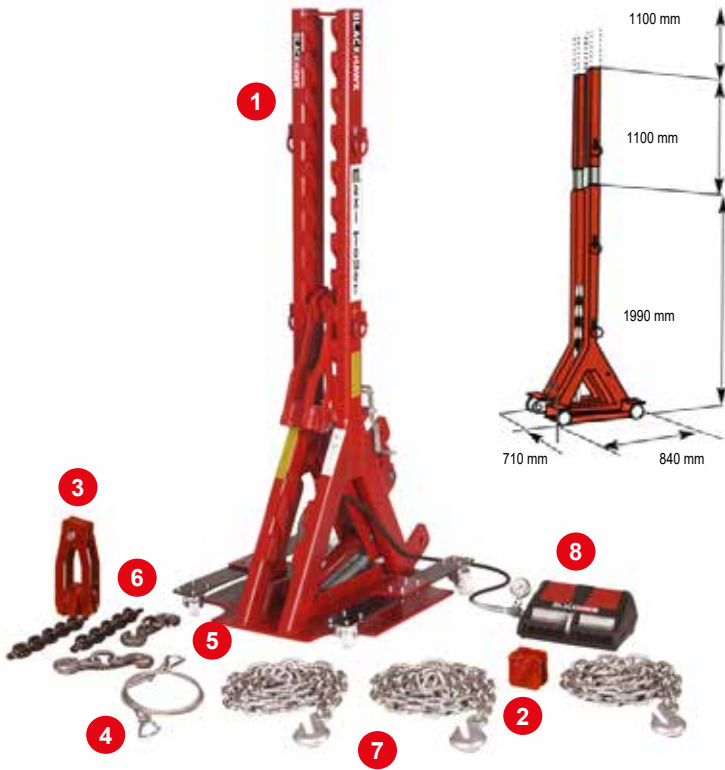
**PULLING TOWERS**



# MAXI TOWER



# COMPLETE SET



	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





# POWER POST



# COMPLETE SET

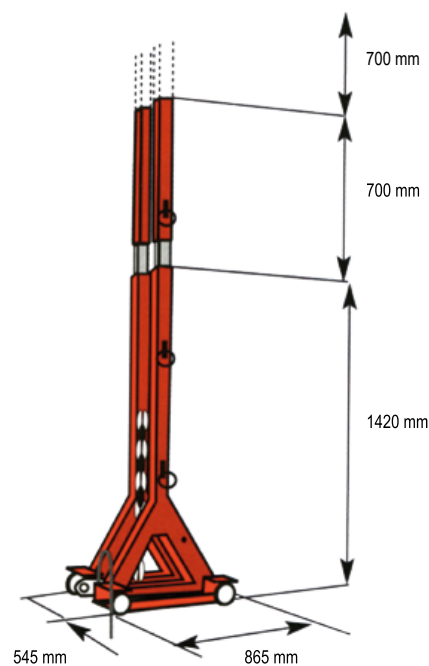


## COMPOSITION

		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



# OPTIONS



## 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

TD130 E



TD135 E



## TD330 E - TD335 E

Anchor pots with chain slots with larger  
 diameter for use with Power Post®  
 and Maxi Tower pulling towers

TD335 E



TD330 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



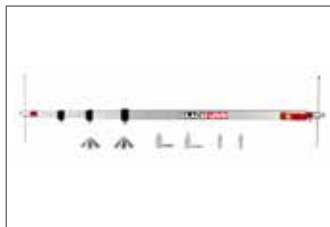
4 kg

**HD8302**  
Intermediate tensioner 10 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



2.4 kg

**AEK271**  
Multipurpose pull hook



8 kg

**HDY25**  
23 T Hydraulic stand  
530 -1166 mm



50 kg

**AEK281**  
Wide opening clamp



16.5 kg

**PT115**  
Super grab hook + chain -  
alu frame



2.4 kg

**PT114A**  
Grab hook + chain



8 kg

**CATALOGUE**

**LIFTING  
SYSTEMS**

**BLACKHAWK**  
DESIGNED & MANUFACTURED IN EUROPE



# STL3500

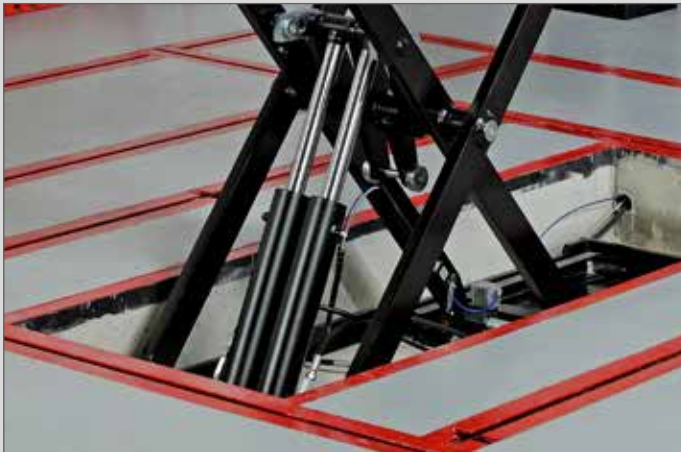
In-floor lift



# STL3500



Telescopic arms



Double ram - Mechanical and hydraulic safety controls



**PMPLIFT**  
Electric pump + remote control.  
Available on request

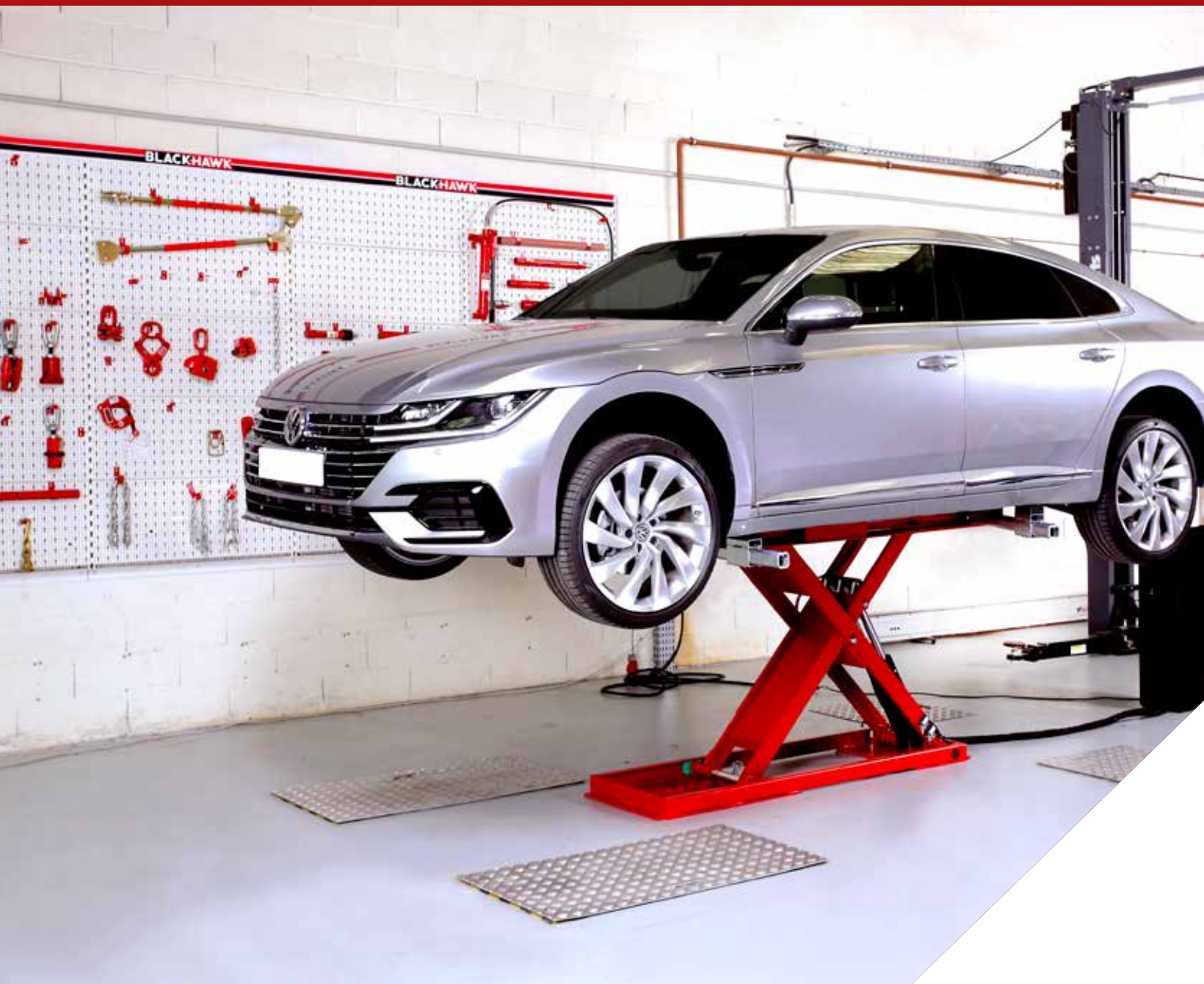
## TECHNICAL SPECIFICATIONS

Capacity	3500 kg
Height capacity with pads	1430 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. Complete with pre-mounted hydraulic hose enabling the installation of the control unit at max. 5m. All models are available (on request), in "ATEX" version, for use in spraybooths.

## 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





# STL16

Lifting a car has never been so easy!



# STL16

## JACK 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.



## LIFTING A CAR HAS NEVER BEEN SO EASY!



Lifting by the front wheel



Lifting under the door



Lifting by the back wheel

## TECHNICAL SPECIFICATIONS

Weight	85 kg
Max vehicle weight	3000 kg
Max lifting height	995 mm
Lift height	1330 mm
Lift width	660 mm
Lift length	1010 mm
Pump pressure	350 bar
Safety device	Mechanical



# SUPPORT STANDS



# SUPPORT STANDS



**STA2020**  
Stands 10T



**AEK833**  
Adjustable support stand



**96486**  
Roller stands




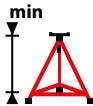
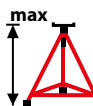


**STA15**  
Support stands for STL3500



**STA30**  
Vehcile stand



**STA60**  
Vehcile stand

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

CATALOGUE

**PORTO POWER &  
HYDRAULIC SETS**

**PORTO POWER &** HYDRAULIC SETS



# PORTOPOWER

# PORTO POWER



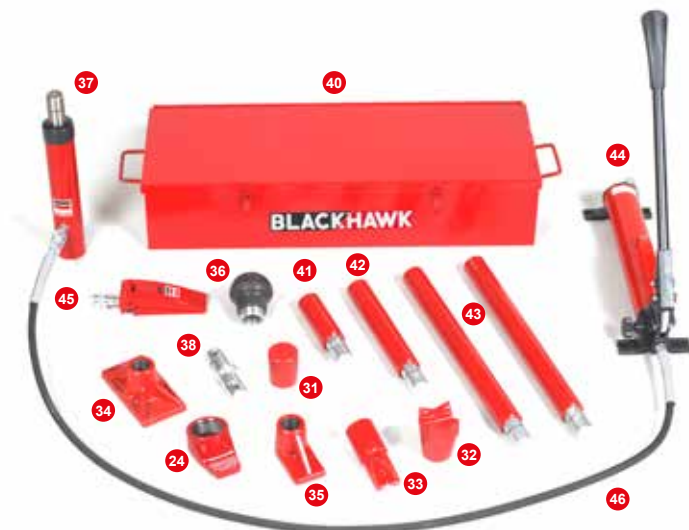
**65132A**  
4T standard set



**65135A**  
10T standard set



**SF181A**  
10T standard set



# COMPOSITION



		65132A	65135A	SF181A		65132A	65135A	SF181A
1	65123A	1	1	-	24	65169	-	1
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	-	-
9	65154	1	-	-	32	65638	-	-
10	65155	1	-	-	33	65639	-	-
11	65156	1	-	-	34	65640	-	-
12	65157	1	-	-	35	65642	-	-
13	65158	1	-	-	36	65667	-	-
14	65159	1	-	-	37	ARC157	-	-
15	65160	1	-	-	38	FZ1050	-	-
16	65161	1	-	-	39	H31614	1	-
17	65162	-	1	-	40	H31693A	-	1
18	65163	-	1	-	41	K239900	-	-
19	65164	-	1	-	42	K240900	-	-
20	65165	-	1	-	43	K241900	-	-
21	65166	-	1	-	44	PMP7600	-	-
22	65167	-	1	-	45	SA4	-	-
23	65168	-	1	-	46	Z913	-	-



**HYDRAULIC** SETS



# HYDRAULIC SETS

# HYDRAULIC UNITS



**65132A**  
Set 4T



**65135A**  
Set 10T



**SF181A**  
Set 10T



**HDY27**  
Set 23T



**HDY26**  
Set 23T

# HYDRAULIC COMPOSITIONS



**HDY25**  
Hydraulic stand



**HDY22B**  
With cylinder ARC2506 stroke 150 mm



**HDY15**  
Hydraulic stand



**HDY23A**  
With cylinder ARC2514 stroke 362 mm

## PUMP / PMP1530



**PORTO POWER &** HYDRAULIC SETS



# PORTOPOWER ACCESSORIES

# 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

<p><b>Z624A</b></p>  <p>1800 mm → 1/4"</p>	<p><b>Z913A</b></p>  <p>1800 mm → 3/8"</p>	<p><b>Z909A</b></p>  <p>2000 mm → 3/8"</p>	<p><b>Z919A</b></p>  <p>1800 mm → 1 1/4" → 2 3/8"</p>	<p><b>Z918A</b></p>  <p>1800 mm → 1 3/8" → 2 1/4"</p>
<p><b>65176C</b></p>  <p>1800 mm → 1/4"</p>	<p><b>Z927</b></p>  <p>3000 mm → 3/8"</p>	<p><b>Z630</b></p>  <p>→ 1/4" 1 ZR630 2 ZH630 3 CF783020</p>	<p><b>Z604</b></p>  <p>→ 3/8" 1 ZR400 2 ZH604 3 CF520020</p>	 <p>→ 1/4" 4 H68939 6 H69291 5 H69356 7 H68940</p>
<p><b>ACH604</b></p>  <p>→ 3/8"</p>				





## PUMPS

<p><b>65126A</b></p> 	<p><b>65133A</b></p> 	<p><b>PMP7610</b></p> 	<p><b>PMP8110</b></p> 	<p><b>PMP1530</b></p> 
<p><b>65126WA</b></p> 	<p><b>65133WA</b></p> 	<p><b>PMP7600</b></p> 	<p><b>PMP8100</b></p> 	<p><b>PMP1501</b></p> 




# PUMPS

## TECHNICAL SPECIFICATIONS



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

## RAMS

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

# RAMS



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

# SPREADERS



<b>RS80</b>	3/8"	63.8 cm <sup>3</sup>	700 bar	32 mm	292 mm	157 mm
<b>RS100</b>	3/8"	63.8 cm <sup>3</sup>	700 bar	32 mm	292 mm	157 mm
<b>65123A</b>	1/4"	10 cm <sup>3</sup>	580 bar	15 mm	66 mm	50 mm
<b>SA4</b>	3/8"	10.6 cm <sup>3</sup>	700 bar	10 mm	95 mm	51 mm
<b>SA6</b>	3/8"	10.6 cm <sup>3</sup>	700 bar	10 mm	95 mm	51 mm



CATALOGUE

**WELDING &  
INDUCTION SYSTEMS**



# WEL 13000X WEL 13000XC

Inverter spot welder with X and C-GUN



# WEL13000X / WEL13000XC

## INVERTER SPOT WELDER WITH X AND C -GUN

Featuring medium frequency inverter technology offers high-quality, multi-process welding capabilities that allow you to weld low carbon, zinc, coated, hss and boron steels



## TECHNICAL SPECIFICATIONS

WEL13000X / WEL13000XC		Cooling type	Water
Max. voltage:	3 x 400V 50/60 Hz	Cooling gun cables:	Water
Power @ 50% Duty Cycle	25 kVA	Configuration	
Max. short circuit secondary current	13 kA	Dimensions (HxWxD) approx.	1250x640x1000 mm
Secondary no load voltage	16 V	Approx. weight:	145 kg
Fuse (delayed action):	63 A	X gun inlet arms diameter	24mm
Electrode force with CBRH 100 arms @8 bar	560 daN	Cable length:	3 m
Welding capacity on steel	3+3mm	Spotter	
Cooling		Spotter cable length	2.5m
Tank capacity:	18 liter	Cooling	Air



# WEL12

Quick dent remover

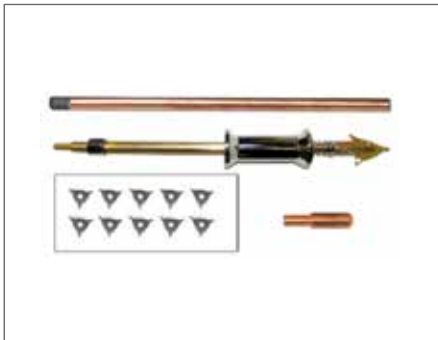


# WEL12

## QUICK DENT REMOVER

The puller is directly linked to the welder by a 2m cable. Dents are removed by using a star electrode coupled with the puller.

The WEL12 can also be used for shrinking operations, using the carbon electrode.



Accessories



Control panel



Easy and precise

## TECHNICAL SPECIFICATIONS

Supply	230V 50 / 60 Hz
Power	1.2 kVA
Weight	25 kg



# INDUCTION HEATERS



# INDUCTION HEATERS

## IHR04



## IHR11



## IHR15



The heat is generated directly in the heart of the metal, at a depth of 5 mm. The heater brings metal to red hot temperature in a few seconds.

No open flame, which allows work to be carried out with no risk of damage to surrounding parts and cables. Induction enables the metal to be heated with precision in a localized spot and brings the metal up to ideal temperature.

Straightening, bending and loosening of seized up pieces can all be carried out with this equipment in opposition to heating with a flame (blowlamp), which heats the metal to temperatures of 3000° C and inevitably changes its technical characteristics.

The induction technique only produces heat at the point of contact and brings the metal almost instantaneously to a uniform temperature of 500 to 600°C.

## 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	50 kg	Weight	120 kg	Weight	145 kg

# BLACKHAWK

## BLACKHAWK SAS

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E-Mail: [blackhawk-export@snapon.com](mailto:blackhawk-export@snapon.com) - [www.blackhawk.fr](http://www.blackhawk.fr)

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