



A collection of red hydraulic tools and components, including a long red cylinder, a black hose, a red box labeled 'BLACKHAWK', and various red fittings and connectors.

65132



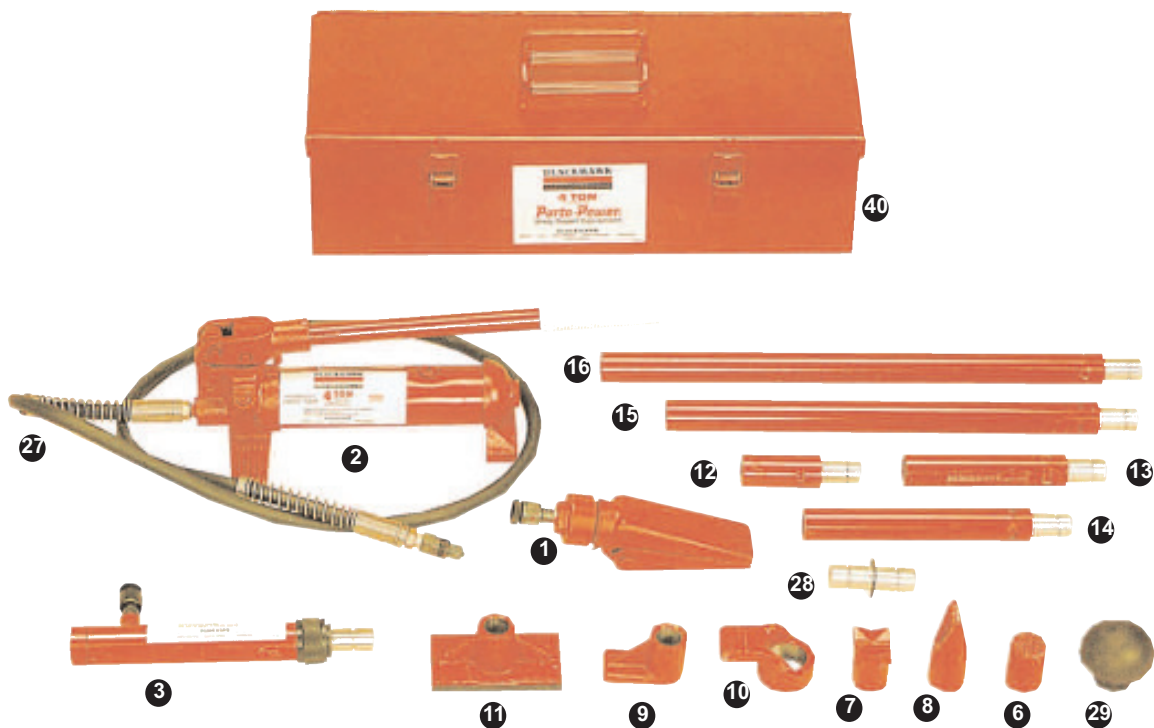
25Kg

4-Ton Standard Set

ensemble standard
pousseur 4 tonnes

Standard Satz 4 T

4 Ton standaard set



65135



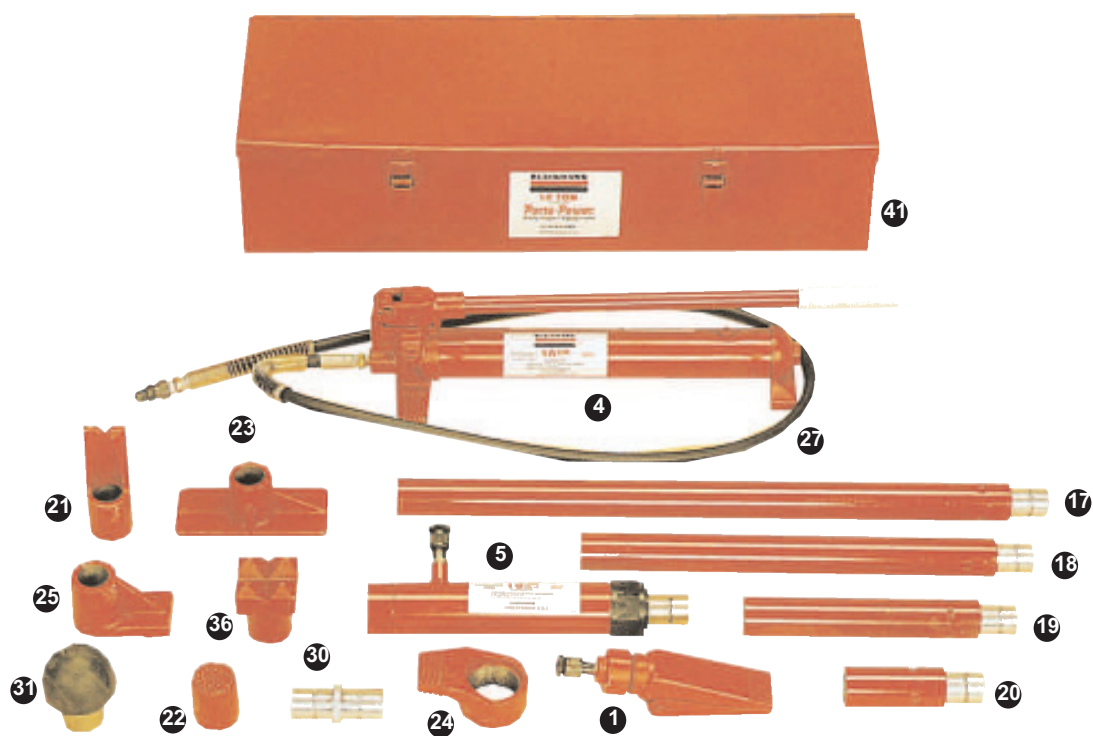
40Kg

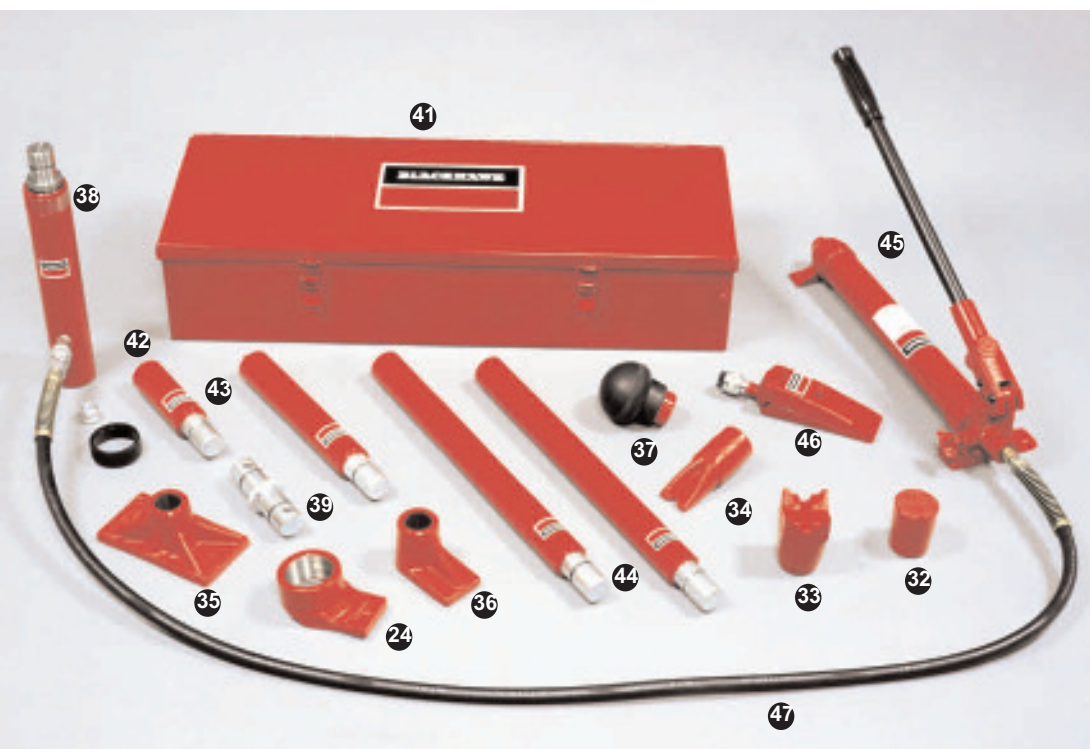
10 Ton Set

Ensemble vérin 10t

10 T Satz

10 Ton set





SF 181

10 Ton Porto Power Set

Upon request, this can be delivered with air-hydraulic pump P790H.

Ensemble pousseur 10 tonnes à raccords rapide sans filetage.

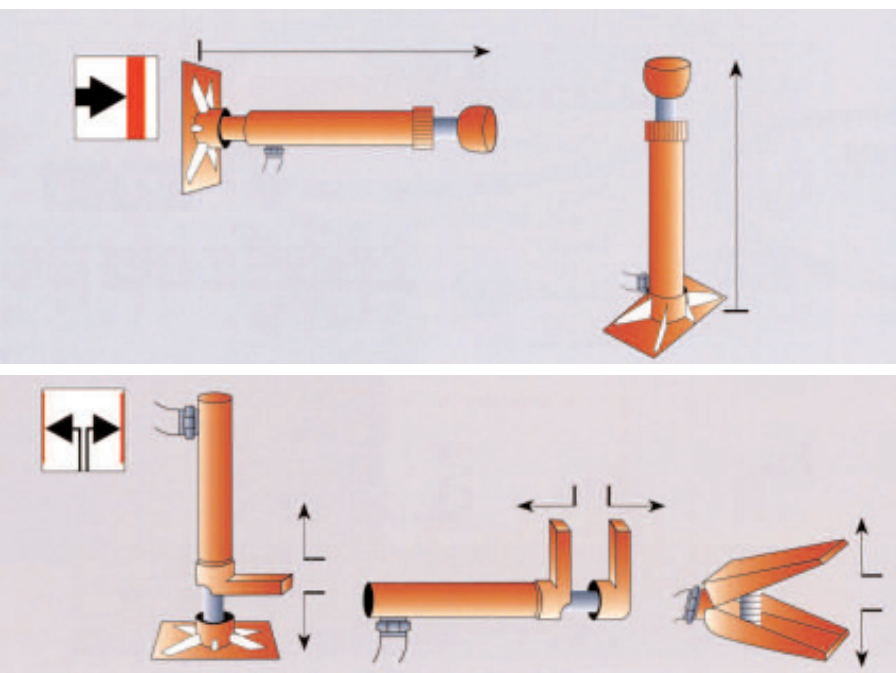
L'ensemble SF181 peut être livré sur demande avec une pompe hydro-air P790H.

Porto Power Satz 10T. Standard Grundausrüstung.

Satz kann auf Anfrage mit einer lufthydraulischen Pumpe P790H geliefert werden.

10-Ton Porto Power set met snelle aansluitingen zonder schroefdraad.

De SF181 set kan op aanvraag geleverd worden met een hydro-lucht pomp P790H.



		65132	65135	SF181
1	65123	1	1	
2	65133	1		
3	65134	1		
4	65136		1	
5	65137		1	
6	65151	1		
7	65152	1		
8	65153	1		
9	65154	1		
10	65155	1		
11	65156	1		
12	65157	1		
13	65158	1		
14	65159	1		
15	65160	1		
16	65161	1		
17	65162		1	
18	65163		1	
19	65164		1	
20	65165		1	
21	65166		1	
22	65167		1	
23	65168		1	
24	65169		1	1
25	65172		1	
26	65173		1	
27	65176C	1	1	
28	65177	1		
29	65178	1		
30	65179		1	
31	65180		1	
32	65637			1
33	65138			1
34	65139			1
35	65640			1
36	65642			1
37	65667			1
38	ARC157			1
39	FZ.1050			1
40	H 31614	1		
41	H 31693		1	1
42	K 239 900			1
43	K 240 900			1
44	K 241 900			2
45	P 76			1
46	SA 4			1
47	Z913			1

65477 A



4 Ton Pull Ram Set

Quick chain anchoring used with pumps P76H, P790H and all pumps fitted with half hose ZH604 coupler.

Ensemble tireur 4 tonnes

Verrouillage rapide des chaînes. S'utilise avec les pompes P76H, P790H ainsi que toute pompe équipée d'un raccord ZH604.

Standard Zugsatz 4T

Mit P76H Handpumpe und P790H lufthydraulische Pumpe jeweils mit ZH604 Reduzierkupplung anwendbar.

4-Ton Traction set

4-Ton Traction set met snelle afgrendeling van de kettingen. Wordt gebruikt met pompen P76H et P790H alsook met alle pompen, die voorzien zijn van een aansluiting ZH604.

1	65649	2
2	RC 170	1
3	Z 10	1

R173 S

Similar 4 Ton pull set with RC172 ram. Used with 65136 pump.

Ensemble tireur 4 tonnes similaire avec vérin RC 172. S'utilise avec pompe 65136.

Ähnlicher Zugsatz 4T mit Zylinder RC172. Mit Pumpe 65136 anwendbar.

Gelijksortige 4-Ton traction set met Porto-Power RC172. Wordt gebruikt met pomp 65136.

R174 S

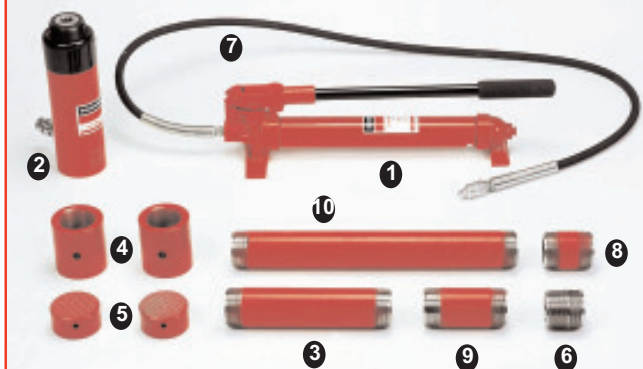
Similar 4 Ton pull set with RC171 ram. Used with pump P76H, P790H.

Ensemble similaire avec vérin RC171. S'utilise avec pompe P76H, P790H.

Ähnlicher Satz mit Zylinder RC171. Mit Pumpe P76H, P790H anwendbar.

Gelijksortige set met Porto-Power RC171. Wordt gebruikt met pomp P76H, P790H.

ATZ 20 A



20 Ton standard Set

Ensemble standard 20 tonnes

Standard Satz 20T

20 ton Standaard Set.

ATZ 21



20 Ton Set

Ensemble 20 tonnes

Satz 20T

20 ton Set.

ATZ 22



20 Ton Porto Power

Porto Power 20 tonnes

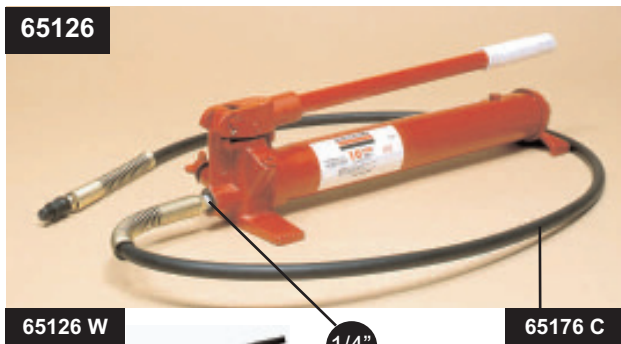
Porto Power 20T

20 ton Porto Power.

ATZ 21

		ATZ 20 A	ATZ 22
1	P 76	1	
2	RC 250	1	1
3	Z 239	1	1
4	Z 242	2	3
5	Z 436	2	2
6	Z 669	1	1
7	Z 913	1	
8	Z 1041	1	1
9	Z 1042	1	1
10	Z 1043	1	1
11	P420H		1
12	Z 1046		1
13	Z 1047		1
14	Z 218	2	2
15	Z 241	1	1
16	Z 243	1	1
17	PT123		1
18	Z 238	1	
19	Z 607	1	

65126

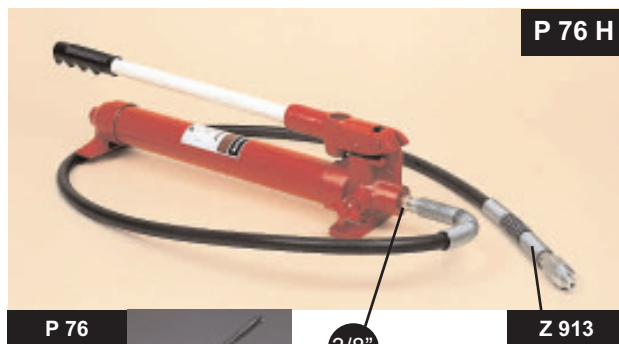


65126 W

1/4"

65176 C

P 76 H

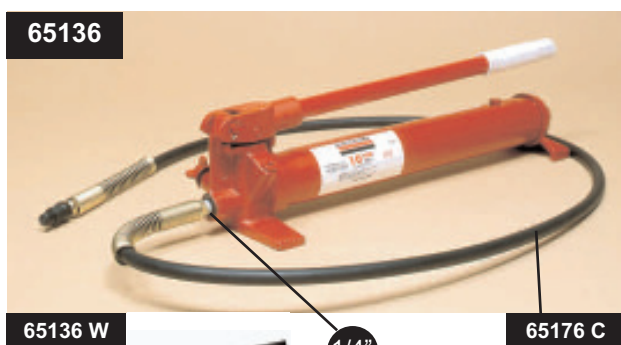


P 76

3/8"

Z 913

65136



65136 W

1/4"

65176 C

P 420 H

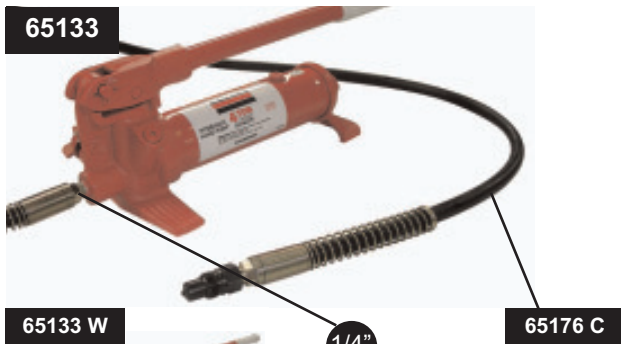


P 420

3/8"

Z 913

65133

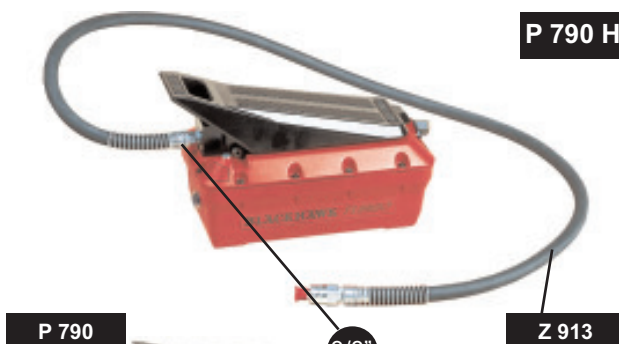


65133 W

1/4"

65176 C

P 790 H



P 790

3/8"

Z 913

PMP8110



3/8"

PMP8100



65126 W	700 bar	638cm ³	6.8Kg
65133 W	500 bar	400cm ³	4.7Kg
65136 W	600 bar	638cm ³	6.8Kg
P 76	700 bar	705cm ³	6.3Kg
P 420	700 bar	2300cm ³	12.5Kg
P 790	700 bar	2500cm ³	6.4Kg
PMP8100	700 bar	1000cm ³	8.6Kg

Rams

Vérins

Zylinder

Cilinder

	4c		10c		10c	10c	10c	10c	10c
	ZR630	H68939	ZR400	H68939	ZR400	ZR400	ZR400	ZR400	ZR400
	65150	65134	ARC 102	65137	ARC 157	RC 159	ARC 161	ARC 1610	
	1/4"	1/4"	3/8"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
max mm	127mm	117 mm	57 mm	152 mm	152 mm	152 mm	250 mm	250 mm	
min mm	270 mm	279 mm	118 mm	304 mm	370 mm	298 mm	402 mm	545 mm	
mm	38 mm	38 mm	57 mm	57 mm	57 mm	57 mm	57 mm	57 mm	
cm3	82 cm3	84 cm3	82 cm3	237 cm3	220 cm3	220 cm3	366 cm3	366 cm3	
bar	600 bar	600 bar	700 bar	670 bar	700 bar	700 bar	700 bar	700 bar	



3/8"

3/8"



3/8"

1/4"



3/8"

3/8"

3/8"

250 mm

16 mm

129 mm

165 mm

138 mm

140 mm

140 mm

480 mm

41 mm

287 mm

280 mm

300 mm

305 mm

305 mm

57 mm

86 mm

84 mm

57 mm

57 mm

57 mm

366 cm³

16.4 cm³

430 cm³

524 cm³

102 cm³

113 cm³

113 cm³

700 bar

700 bar

700 bar

680 bar

700 bar

700 bar

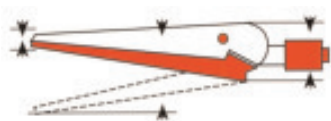
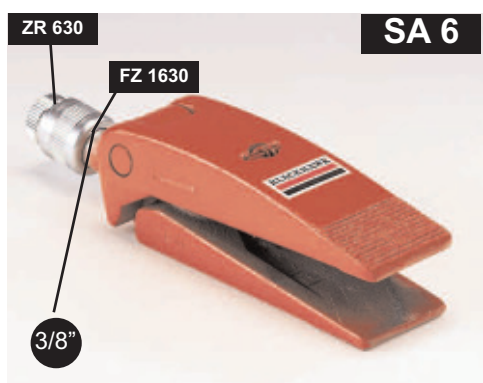
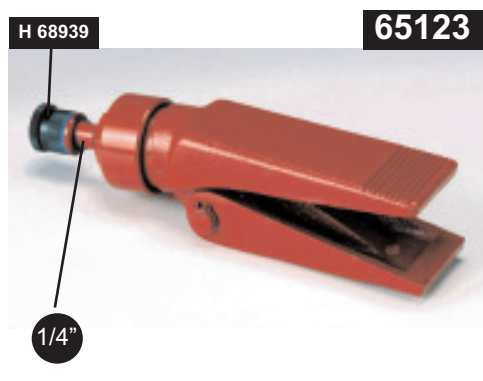
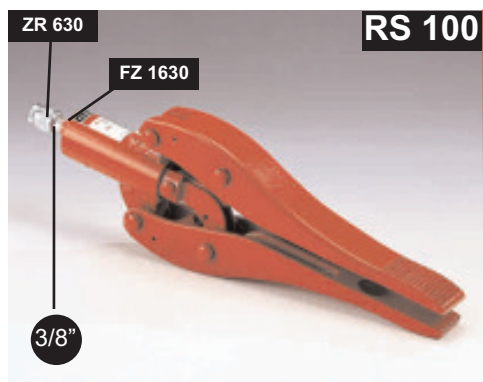
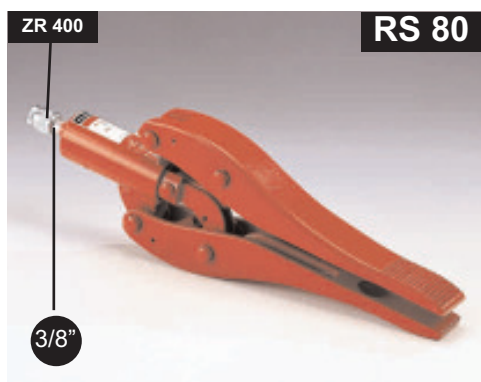
700 bar

Spreaders

Ecarteurs

Spreizer

Uitduwer



RS80	32 mm	292 mm	157	700 bar	63.8 cm ³
RS100	32 mm	292 mm	157	700 bar	63.8 cm ³
67123	15 mm	75 mm	50	580 bar	10 cm ³
SA4	10 mm	95 mm	51	700 bar	10.6 cm ³
SA6	10 mm	95 mm	51	700 bar	10.6 cm ³

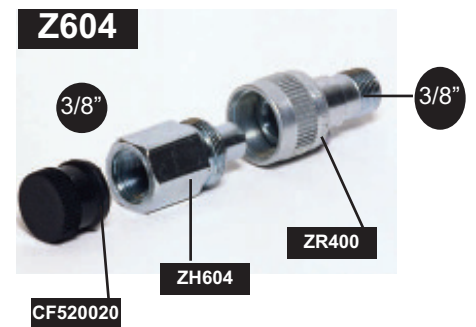
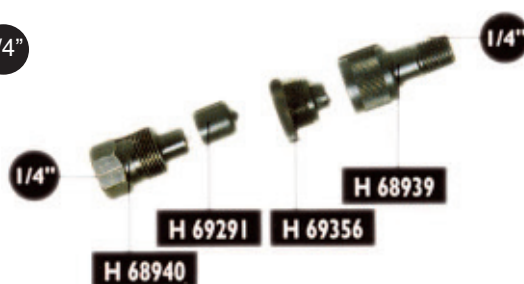
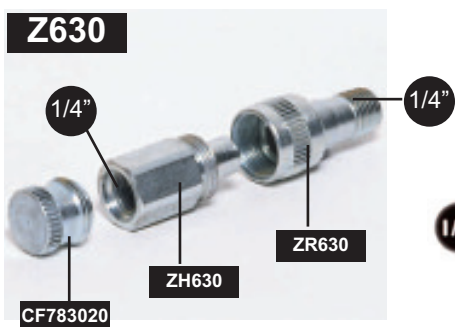
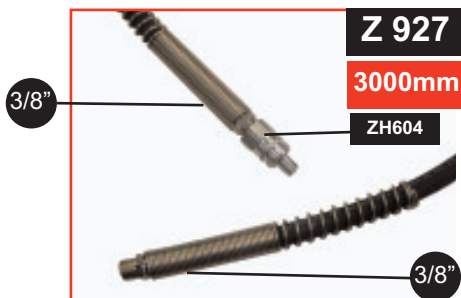
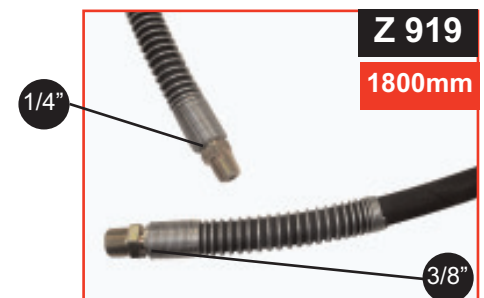
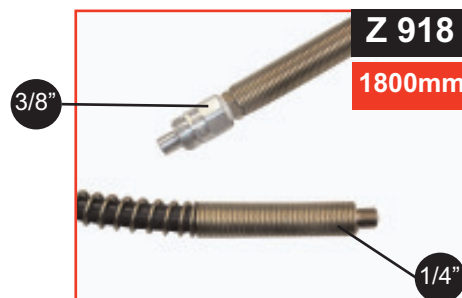
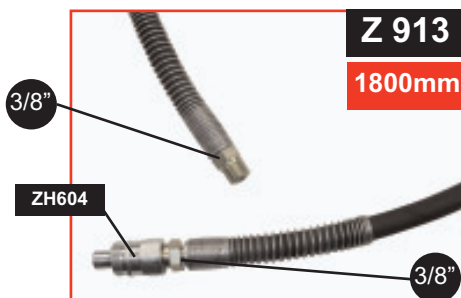
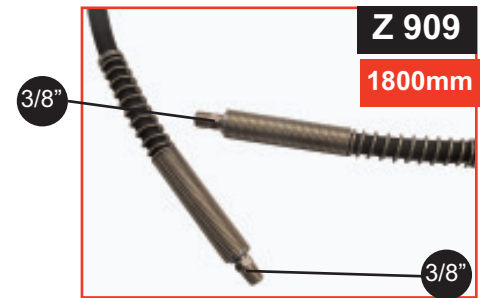
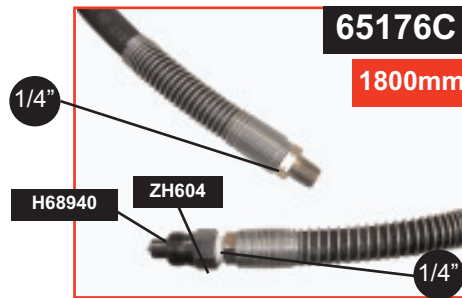
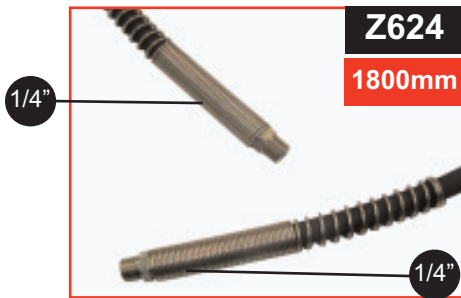
Porto-Power®

Hoses and couplers

Flexibles et raccords

Schläuche und Schnellkupplungen

Slangen en fittingen



Gauges and Couplers

Manomètres et raccords

Manometer und Ventile

Manometers en aansluitingen



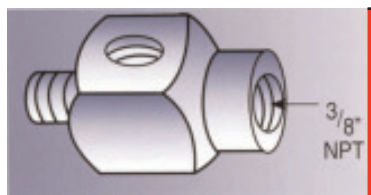
V 82

Shut off valve

Robinet coupe-circuit

Absperrventil. Kann auch als Drosselventil verwendet werden.

Afsluitkraan



AGA 1

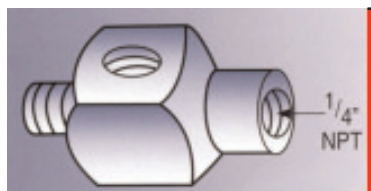
Gauge adaptor / 70 mm length / for pump and hose

Adaptateur / longueur totale 70mm / sur pompe et flexible

Anschlußstück für Manometer / Gesamtlänge 70mm / auf Pumpe und Schlauch

Adapter / totale lengte 70 mm / voor pomp en buigbaar

P 76 H
P 420 H
P 790 H
Electric pump



AGA 3

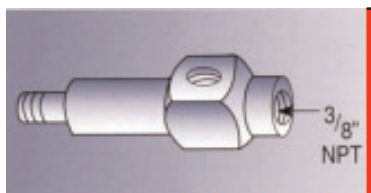
Gauge adaptor for pumps

Adaptateur / sur pompe et flexible

Anschlußstück für Manometer für Pumpen

Adapter / voor pompe en buigbaar

65126
65136



AGA 21

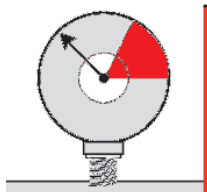
Adaptator total length 155 mm / for pump and hose

Adaptateur / longueur totale 155 mm / sur pompe et flexible

Anschlußstück für Manometer Gesamtlänge 155 mm für Pumpe und Schlauch

Adapter / totale lengte 155 mm / voor pomp en buigbaar

P 76 H
P 420 H
P 790 H
Electric pump



AGF 10S

Hydraulic pressure gauge 10 T.

Manomètre hydraulique 10 tonnes

Manometer für 10 T Zylinder

10 Ton hydraulische manometer

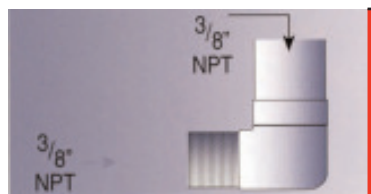
AGF 23S

Hydraulic pressure gauge 20 T

Manomètre hydraulique 20 tonnes

Manometer für 20 T Zylinder

20 Ton hydraulische manometer



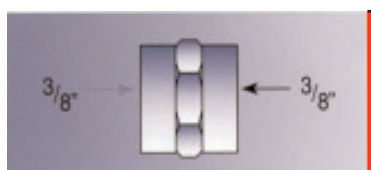
FZ 1616

Elbow

Coude

Winkel

Kromme buis



FZ 1614

Female coupling

Coupleur femelle

Verbindungs-
muffe

Contra verbinding



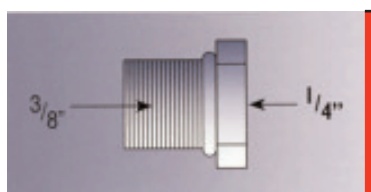
FZ 1617

Hex nipple

Coupleur mâle

Sechskantgewin-
dehülse

Verbinding



FZ 1630

Reducer bushing

Raccord réducteur

Reduzierung

Reducerende verbinding

Porto-Power®

Attachments for use with 4 - 10 - 20T hydraulic rams
 Accessoires utilisables avec les vérins 4, 10 et 20 tonnes.
 Zubehör für Ausführungen 4T, 10T, 20T
 Accessoires voor 4, 10, en 20 ton tractie-uitrustingen



	Tube connector Raccord d'accouplement <i>Rohrverbindung</i> Buisadapter	65177	FZ 1050	FZ 1050	65179
	Male adaptor Raccord d'accouplement fileté (mâle) <i>Adapter mit Aussengewinde</i> Buisadapter met schroefdraad	65332	FZ 1051		
	Female adaptor Raccord d'accouplement fileté (femelle) <i>Adapter mit Innengewinde</i> Buisadapter met schroefdraad (contra)	65333	FZ 1052		
	Male connector Raccord mâle court <i>Kurzer Verbindungsstutzen</i> Korte adapter	Z 545	Z 10		Z 669
	Tube adaptor Raccord d'accouplement fileté (mâle), alésé (femelle) <i>Rohrmuffe</i> Buisadapter met schroefdraad moer (contra)	65334	65634		
	Threaded connector Manchon pour rallonge <i>Rohrmuffe</i> Verlengstuk adapter		Z 36		Z 242
	Reinforced coupling Manchon long pour rallonge <i>Verstärkerkupplung</i> Lang verlengstuk		FZ 1054		



Adjustable extension

Rallonge réglage par vis
Ausziehbare Verlängerung
 Verstelbaar verlengstuk



Rapid extension

Rallonge rapide
Schnellverlängerung
 Snelverlengstuk



Serrated saddle

Tête striée
Druckstück, geriffelt
 Geribbelde kop



90°V base

Tête en V
Prismenaufsatz 90°V
 90°V kop



Flex head

Tête caoutchoutée
Gummikappe
 Rubber kop



"C" clamp

Corps de serre-joint
Pressbügel
 Klembeugel

			65651		
	Z 651				
	65651	Z 34	65637	65167	Z 436
	65338		65638	65173	Z 1047
	65178	Z 131 125 mm	65644 65667 125mm 85mm	65180	
		Z 210			Z 220




Wedge head

Tête pied de biche
Keilaufsatz
Klauwhamer kop

65153
**65639 +
FZ 1052**
65639
65166
Z 1046

Ram toe

Pièce d'écartement pour vérin
Zylinderaufsatz
Splijt tractie uitrusting

65155
65169
65169
65169

Flat base

Socle plat
Flache Fussplatte
Platte basis

65156
**65640 +
FZ 1052**
65640
65168

Plunger toe

Pièce d'écartement pour piston
Kolbenstangenaufsatz
Splijtwerktuig voor zuiger

65154
Z 9
65642
65172

Ram base

Socle plat pour vérin
Zylindergrundplatte
Platte basis voor tractie

Z 243

Toe lift

Ergot déporté
Heberaster
Uitslaand hefwerktuig

Z 595



Chain pull plate
 Embase de traction
 Gerade Kettenplatte
 Kettingtractie plaat

65346

Z 132

Z 238



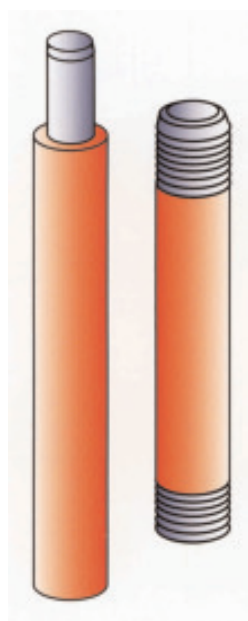
Chain plate
 Croisillon de traction pour chaîne
 Kreuzkettenplatte
 Kettingtractie

Z 5



Chain adaptor
 Tête à grappin pour vérin tireur
 Kettenverankerung für Zugzylinder
 Enterhaak voor tractie

65649



75 mm

65157

Z 1041

125 mm

65158

FZ 1002

K 239 900

65165

Z 1042

250 mm

65159

FZ 1003

K 240 900

65164

Z 239

450 mm

65160

FZ 1006

K 241 900

65162

Z 1043

580 mm

65161

710 mm

FZ 1005

Z 241



Porto-Power®

Chains
Chaînes
Ketten
Kettingen



	AEK539	4t	1500mm	1.5Kg
	EP 122	4t	2700mm	4.5Kg
	AEK 2504	4t	7500mm	
	AEK 103	10t	600mm	1.6Kg
	AEK 238	10t	1200mm	3.0Kg
	AEK 302	10t	2700mm	7Kg
	AEK 304	10t	4500mm	12Kg
	AEK 307	10t	2700mm	6.5Kg
	AEK 308	10t	1800mm	4.5Kg
	AEK 309	10t	600mm	1.2Kg
	AEK 327	10t	2100mm	5.9Kg
	AEK 328	10t	2100mm	5.9Kg
	Z 218	20t	2400mm	10Kg
	Z 219	20t	3600mm	13Kg

BLACKHAWK®



BLACKHAWK SA

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