# Workshop furnishings

80.3 - 80.18

81.1 - 81.20

82.1 - 82.36

83.1 - 83.28

84.1 - 84.26

85.1 - 85.28

86

86.1 - 86.14

88.1 - 88.8

Workshop illuminationHalogen lampsMultiple socket outlets

• Cable reels





# Our suppliers for catalogue group 8:



Genkinger HUBTEX.



ZARGES



# Girder trolleys with and without winch drive



# Yale

# Туре

Compact design with low head room, adjustable for different girder flange widths, perfect rolling characteristics thanks to ball-bearing mounted rollers.

# 80140

# Model HTP

# Туре

Roller trolley.

#### 80141 Model HTG

Туре

Hoist trolley with hand chains for 3 m runway heights.





80141



80140	Weight	min. curve radius	Width	Load capacity
	approx. kg	mm	mm	kg
301	8,0	900	50 - 220	500
303	9,0	900	50 - 220	1000
308	16,0	1150	66 - 220	2000
	9,0	900	50 - 220	1000

				HTG
Load capacity	Width	min. curve radius	Weight without chain	80141
kg	mm	mm	approx. kg	
500	50 - 220	900	9,7	501
1000	50 - 220	900	11,2	503
2000	66 - 220	1150	18,0	508



# 80145

# **Girder clamps**





# Yale

# Model YC

### Type

Flexible handling thanks to the wide setting range. Easy mounting to the girder by means of a spindle mechanism.

# Application

For quickly creating an attachment point for mounting hoists, deflection rollers and loads.

Load Capacity	Girder flange	Weight	80145	
kg	mm	kg		
1000	75 - 230	3,8		101
2000	75 - 230	4,6		102
3000	80 - 320	9,2		103
5000	90 - 320	11,0		104



# 80128

# Spur-wheel chain blocks

# Yale

#### **Model VSplus**

# Туре

Robust, powder-coated housing made of steel, enclosed and permanently lubricated bearings. With galvanised hand chain and high-strength galvanised round steel chain.

#### Note:

Larger load capacity available on request.

Capacity	Number of	Hook travel	Hoisting power at	Smallest distance	Weight	80128	
kg	hoisting chains	m	nominal load daN	between hooks mm	kg		
500	1	3	26	320	9,0	3	02
1000	1	3	36	370	11,2	3	03
2000	2	3	37	530	15,3	3	05
3000	2	3	41	620	24,7	3	10





80128





# Spur-wheel chain blocks

# **Yale**

### Model Yale Lift 360

#### Type

Robust housing made of sheet steel, ball bearings in housings and sliding sleeves. Round steel chain with surface protection. Patented breaking system, lower noise level and less wear than standard brakes. 1 hoisting chain.

#### Application

Thanks to the 360° **rotatable hand chain guiding system**, the operator can operate the hoist from all positions and therefore does not have to stand in the dangerous hoisting area anymore. Therefore more security through free choice of the position.

3

3

#### Note:

Capacity

500

1000

2000

Large load capacities available on request.

Hoisting height





Weight

kg

9

13

20

daN

21

32



80120

101

105

106



80120

Spur-wheel	chain	blocks	with	built-in	roller	trollev

# Yale

#### Model Yale Lift 360 ITP

Combination consisting of the innovative Yale Lift 360 (cat.-no. 80120) with a roller trolley. Compact and robust unit with the advantages of small dimensions

(very low, smallest hook dimensions).

Robust housing made of sheet steel, ball bearings in housings and sliding sleeves.

Hoisting power at Nominal load

Round steel chain with surface protection.

Patented breaking system, lower noise level and less wear than standard brakes.

1 hoisting chain.

Please send us your enquiry!



# Electric chain hoists and chain containers

#### Yale

### Model CPV/CPVF

With carrying hook. Robust, reliable tool. Easy to maintain with long service life.

The integrated stop switch considerably improves the service life of friction clutch, drive and gearings.

#### Workmanship and components:

Drive group 1 Am. (3 m, if necessary). In accordance with European standards FEM, ISO or BS. Contactor voltage 48 V is standard. Warranty of 2 years (not for wear parts). Thermal overload protection. Hoisting height 3 m. Drives in compliance with VDE 0530, IP 55. Operating voltage 400 V, 50 Hz, 3 phases.

Please send us your enquiry!







# **Multi-purpose tools**







# Yale

## Туре

Automatic friction load brake, with hand wheel for racing the unloaded chain, with dust-proof, closed housing.

Hook travel 1,5 m. 1 hoisting chain.

#### Application

For hauling, hoisting and tightening with hand lever.

#### Note:

Further ratchet lever tackles, load capacity 6 t and 10 t, available on request.

#### 80159

#### **Model Yale Handy**

#### Type

The smallest and lightest multi-purpose hoist. Round steel chain, housing made of sheet steel, short hand lever, galvanised, chain release.

#### 80162

#### **Model UNOplus**

#### Type

Made of sheet steel, compact design with highstrength galvanised round steel chain. Smooth running chain release, low force necessary at the hand lever.

#### 80166

# Model AL

#### Туре

With round steel chain galvanised, housing made of aluminium - with very short hand lever. Chain release. Lightweight at highest stability.

#### 80167

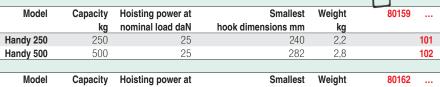
# Model PT

#### Type

With round steel chain, galvanised. Robust sheet steel housing for better performance with low weight. High-quality workmanship. Smooth running chain release, small hook dimensions. Hoisting height 1,50 m.







Model	Capacity	Hoisting power at	Smallest	Weight	80162
	kg	nominal load daN	hook dimensions mm	kg	
UNOplus	750	20	350	7,2	201
UNOplus	1500	35	420	12,5	202
UNOplus	3000	40	520	21,5	203

Model	Capacity	Hoisting power at	Smallest	Weight	80166
	kg	nominal load daN	hook dimensions mm	kg	
AL	750	16	315	6,4	101
AL	1500	18	380	10,0	102
AL	3000	28	455	18,0	103

Model	Capacity	Hoisting power at	Smallest	Weight	80167
	kg	nominal load daN	hook dimensions mm	kg	
PT	800	26	290	5,5	101
PT	1600	30	330	9,6	102
PT	3200	38	430	16,0	103



Model AL Example of use

# 80168 - 80170

# Winches

# Yale

80168 Model LP

Туре

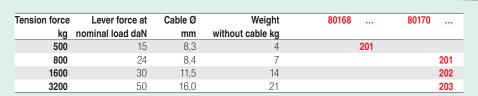
Sheet steel, but lightweight with strong performance. Incl. of hooks, 10 m hoisting cable and hand lever.

# 80170

Model YaleTrac

Type

High-strength aluminium alloys, low own weight, highest stability. Incl. of hoisting cable, winch, and hand lever.







# **Sheet Metal Lifting Clamps**







# **Yale**

#### 80059

# Model Tigrip TBL with safety lock

Thanks to the safety lock, the attached gripper remains clamped on.

#### Application

For vertically transporting single sheet metal and steel plates as well as for lifting and turning over. Sheet surfaces must have a hardness less than

#### Note:

Larger load capacity available on request.

#### 80060

#### Model Tigrip TBS with swiveling eyelet and safety lock

#### Type

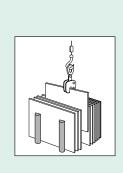
Thanks to the oblique sliding surfaces of the swiveling eyelet, there is enough clamping power during an oblique pull.

#### Application

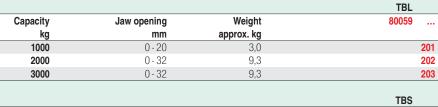
The gripper can be mounted to the sheet metal in different positions thanks to its gimbal mount. Sheet surfaces must have a hardness less than HRC 30!

#### Note:

Larger load capacity available on request.







			TBS
Capacity	Jaw opening	Weight	80060
kg	mm	approx. kg	
1000	0 - 20	4,6	201
2000	0 - 32	14,0	202
3000	0 - 32	14,0	203





# 80100

#### **Balancers**

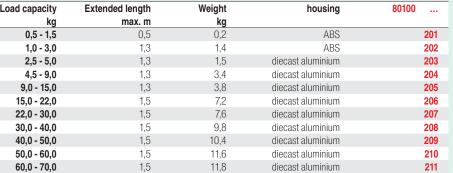
#### Type

Robust design with rope exit downwards.

#### Application

For balancing tools and other gear up to the stated max. load capacity. Load capacity can easily be

adapted to the re	spective tool.	
Load capacity	Extended length	Weight
kg	max. m	kg
0,5 - 1,5	0,5	0,2
40.00	1.0	4.4





# 80250

# Sling belts

#### Type

2-layer, on both sides with reinforced loops, made of polyester (PES), in compliance with EN 1492-1, with load capacity label, colour code and woven-in ton

#### strip.

Further load capacities and useable lengths available on request.

				·	
Load capacity	length	colour	loop length	Tape width	80250
kg	L <sub>1</sub> m	code	L <sub>2</sub> mm	mm	
1000	1	violet 🔳	200	30	200
1000	2	violet 🔳	200	30	201
1000	4	violet	200	30	206
2000	2	green	300	60	202
2000	3	green	300	60	210
2000	4	green	300	60	215
3000	3	yellow =	350	90	203
3000	4	yellow =	350	90	220
3000	6	yellow =	350	90	225
4000	4	grey 🔳	425	120	230
4000	6	grey 🔳	425	120	235
5000	4	red 📕	500	150	204
5000	6	red	500	150	240







# Circular slings

# CE

#### Type

Double shell, made of polyester (PES), EN 1492-2 with double seamless protection sleeve, load capacity labels, load capacity printed-on, colour code and/or woven-in ton strip, one strip per 1 metric ton load capacity (only for circular slings up to 10 metric tons).

#### Note:

Further load capacities and useable lengths available on request.





Load capacity	useable length	colour	80255
kg	L <sub>1</sub> m		
1000	1,0	violet	200
1000	1,5	violet	210
1000	2,0	violet	201
1000	3,0	violet	215
1000	4,0	violet	202
2000	1,0	green	203
2000	1,5	green	204
2000	2,0	green	205
2000	3,0	green	220
2000	4,0	green	206
3000	1,0	yellow	225

Load capacity	useable length	colour	80255
kg	L <sub>1</sub> m		
3000	1,5	yellow -	230
3000	2,0	yellow =	235
3000	3,0	yellow -	208
3000	4,0	yellow =	237
3000	6,0	yellow 📙	209
4000	1,0	grey 🔳	240
4000	1,5	grey 🔳	241
4000	2,0	grey 🔳	242
4000	3,0	grey 🔳	244
4000	4,0	grey 🔳	245
4000	6,0	grey 🔳	247

# 80260 - 80264

# **Lashing straps**



80260

80261

#### 80260

#### Туре

Polyester, two-part with pointed hook and ratchet. In compliance with EN 12195-2.

### 80261

#### Type

Polyester, one-part with ratchet. In compliance with EN 12195-2.

### 80262

# Туре

Polyester, one-part with stop lock. In compliance with EN 12195-2.

### 80263

#### **Ratchet support**

#### Type

Made of cut-proof polyurethane, with integrated slots for a secure seat of the ratchet support on the belt.

#### **Application**

For lashing straps cat.-no. 80260 - 80262.

#### 80264

# Edge protector

#### Typ

Made of cut-proof polyurethane, with integrated slots for a secure seat of the edge protector on the belt.

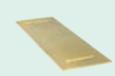
#### Application

For lashing straps cat.-no. 80260 - 80262.





80262







LC	Width	Length	for Tape width	80260	. 80261		80262		80263		80264	
daN	daN	m	mm									
125	25	4	-					101				
125	25	6	=					102				
250	25	4	-	20	1	201						
250	25	6	-	20	2	202						
500	25	4	-	20	3	203						
500	25	6	-	20	4	204						
1000	35	6	-	20	5	205						
1000	35	8	-	10	6	206						
2000	50	8	-	20	6	207						
2000	50	10	-	20	7	208						
-	-	-	35 - 50							101		
	-	-	up to 50									101

# **Hoisting chains**

In compliance with DIN EN 818-4. With suspension

link and top load hook, grade 8. Chain with longterm corrosion protection.

Application

Safe, reliable heavy-duty lifting accessories for multi-purpose use, even for square-edged goods.

Load capacity kg

0-45°

D

mm

В

mm

Cat.-no. 80305 and 80310 tilt angle max. 60°.

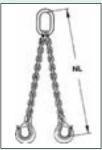


1 chain

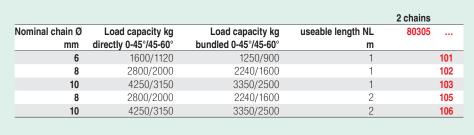
4 chains

...

Nominal chain @	Load capacity kg	Load capacity kg	useable length NL	80300
mm	directly	bundled once	m	
6	1120	900	1	101
8	2000	1600	1	102
10	3150	2500	1	103







Load capacity kg

45-60°





mm

Nominal chain Ø

# Eyelets similar to DIN 82101, shape A

# Type

With threaded bolt, galvanised.

kg

Load capacity

Note:

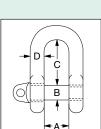
Α

mm

Further sizes available on request. С

mm

useable length NL







0	0	2	9	2
0	U	J	_	

# Ring bolts and ring nuts

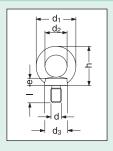
80323 101-107

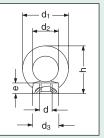
Ring bolt similar to DIN 580 C 15 with collar and groove, galvanised.

80323 201-207

Ring nut similar to DIN 582 C 15, galvanised.

d	I	$\mathbf{d}_1$	$\mathbf{d}_2$	<b>d</b> ₃	h	е	80323
mm	mm	mm	mm	mm	mm	mm	
M 6	13	28	16	17	31	6	101
M 8	13	36	20	20	36	6	102
M 10	17	45	25	25	45	8	103
M 12	20,5	54	30	30	53	10	104
M 16	27	63	35	35	62	12	105
M 20	30	72	40	40	71	14	106
M 24	36	90	50	50	90	18	107
M 6	-	28	16	17	31	8,5	201
M 8	-	36	20	20	36	8,5	202
M 10	-	45	25	25	45	10	203
M 12	-	54	30	30	53	11	204
M 16	-	63	35	35	62	13	205
M 20	-	72	40	40	71	16	206
M 24	-	90	50	50	90	20	207





80323 101-107



80323 201-207





# Carabiner similar to DIN 5299 C

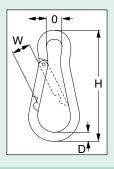
#### Туре

Galvanised.

#### Note:

Further sizes available on request.

Load capacity	nominal thickness D	Н	0	W	80330
kg	mm	mm	mm	mm	
230	8	80	10	9	104
350	10	100	15	11	106
450	11	120	18	16	107





80335

S-hooks

#### 80335 101-103

#### Type

High-strength, finishing class 8. Both ends open, large opening radius for special applications.

#### 80335 201-205

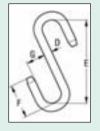
#### Type

High-strength, finishing class 8. Closed on one end, not welded. Large opening radius for special applications. Red lacquered.





Load capacity	D	Е	F	G	Weight	80335
kg	mm	mm	mm	mm	kg	
750	18	160	50	50	0,70	101
2000	32	260	80	80	3,60	102
3000	36	320	95	95	5,60	103
200	10	80	25	25	0,10	201
300	13	100	30	30	0,25	202
500	16	130	40	40	0,50	203
750	18	160	50	50	0,90	205





80338

# **Suspension Gear Set**

#### Type

# Consists of:

1 hoisting chain DIN EN 818, grade 8 (25 % higher load capacity than finishing class 8), chain with anticorrosion coating. Components orange, powdercoated. Nominal thickness of chain 6 mm, 2 chains, with 2 chain length reducers and 2 safety load hooks. Useable chain length  $L_1$  = 1,5 m. Load capacity at a tilt angle of  $0-45^{\circ} = 2000 \text{ kg}$ ,  $45-60^{\circ} = 1400 \text{ kg}$ .

1 POLYTEX circular sling DIN EN 1492-2, useable length  $L_1 = 1$  m, load capacity when hung up, **single** direct = 1000 kg, single folded = 2000 kg. In case.

#### Application

This practical set is an multi-purpose suspension gear, for all applications in the repair and maintenance sectors.







Weight incl. case	80338	
kg		
4,5		101

# **Workshop furnishings**

Everything from one source. We customize your workshop using CAD technology.

# Need some advice?

Contact us: betriebseinrichtung@hhw.de

Hommel Hercules Werkzeughandel



80330

# Gooseneck claw bars GORILLA BAR!

#### © PEDDINGHAUS ©

Type

Extremely sturdy gooseneck claw bars - GORILLA BAR! Thanks to the oval cross-section, the claw bars are made to withstand the highest loads. The

wide base and the position of the claw prevents a slipping-off to the side while under load. With polished jaw end and cutting edge end.



Length	length	80004	
mm	inch		
600	24		201
900	36		202



# 80006

#### **Crow bars**

#### © PEDDINCHAUS ©

Type

With curved cutting edge and tip made of special steel.

80006

Length	Ø	80006
mm	mm	
1250	30	101
1500	30	102

# 80008

#### **Roller Crow Bar**

#### © PEDDINGHAUS ©

Type

With iron rollers. Special steel, lacquered.

#### Application

For transporting heavy and bulky goods.

80008



Length	Capacity	Weight	80008
approx. mm	approx. kg	approx. kg	
1600	3000	12	101

# 80093

# **Vacuum lifters**

#### **VERIBOR**

Application

For all smooth and gas-tight surfaces.

Note:

Further types available on request.

#### 80093 201

Type

Vacuum lifters blue-line, aluminium body, 1 vacuum disc Ø 120 mm one-hand operated. Sucking by switching over the handle. Loading capacity/vertical force direction approx. 30 kg.

#### 80093 205

Type

Vacuum lifters blue-line, automatic body, 2 vacuum discs Ø 120 mm. Sucking by switching over both handles. Loading capacity/parallel force direction approx. 60 kg.

#### 80093 125

Туре

**Vacuum lifters,** aluminium housing, 2 vacuum discs Ø 130 mm. One-hand operation. Loading capacity/vertical force direction approx. 60 kg.

# 80093 127

Type

Vacuum lifters with built-in hand pump 1 vacuum disc Ø 210 mm, high loading capacity, plastic-coated handle, release lever is protected against unintentional release. Only a few pump strokes are necessary. With profiled rubber disc with 3 gasket lips, built-in reinforcement ring. Loading capacity/parallel direction of force approx. 120 kg. In plastic case.

#### 80093 30

Spare rubber disc

for vacuum lifters cat.-no. 80093 201.

#### 80093 305

Spare rubber disc

for vacuum lifters cat.-no. 80093 205.

#### 80093 132

Spare rubber disc

for vacuum lifters cat.-no. 80093 125.

#### 80093 133

Spare rubber disc

for vacuum lifters cat.-no. 80093 127.



	Vacuum lifters	Spare disc
Load capacity	80093 .	80093
approx. kg		
30	20	1 301
60	20	5 305
60	12	5 132
120	12	7 133



# Steel winches



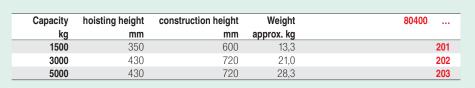


80400

With lifting housing and safety crank.

#### Application

For lifting and lowering loads.



80401

# Multi-purpose winch

### Application

For lifting, pulling, and tightening up to 2 t.

Capacity	hoisting height	Overall height	Weight	80401
kg	mm	mm	approx. kg	
2000	1150	1520	14	101



# Hydraulic vehicle jacks DIN 76024

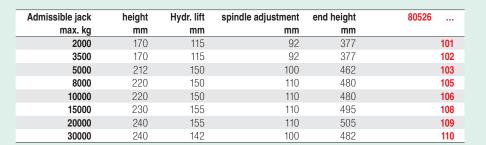


### Туре

With pressure relief valve to VBG 8, galvanised tube bars, 3-part, 700 mm long. With one hydraulic piston and one screw spindle for adjusting the required height to contact load.



For cars and lorries, can also be used horizontally (control device below the jack), lowering by opening of the drain valve.





# Garage jacks

Intelligent hydraulics, only one stroke is needed in order to reach the application point. Lightweight, handy design with smooth running rollers. Torsionfree frame, rotatable carrying plate, with relieve

#### Application

Mobile lifting device for lifting and lowering of automobiles and other loads, with pumping lever, which can also be used as towing bar.

Capacity	Height min.	Height max.	Frame length	Stroke	Weight	80540
t	mm	mm	mm	mm	kg	
2,25	140	492	644	352	31,5	301



















# Hydraulic workshop cranes, foldable

# **Yale**

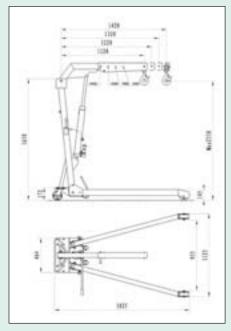
# Туре

Quick and easy to assemble without tools by one person. Storage is in the space-saving folded position. The crane can still be moved on its support rollers. The load hook is freely rotatable. Quick and easy lifting thanks to double acting hand pumps. Hydraulics with relieve valve.

Sensitive lowering of the load with the control hand lever.

# Application

Suitable for a multitude of applications in the workshop. From a short-distance transport of machines and loading and unloading of trucks to installation and deinstallation of engines in cars.







80560	Weight	Capacity kg at arm position 4	Capacity kg at arm position 3	Capacity kg at arm position 2	Capacity kg at
201	125	250	350	400	500
202	125	500	700	800	1000







# ► ENERPAC Hydraulic tools



Here are some of the hydraulic tools of the system:

For lifting, pushing, hauling, tightening, bending etc.

Please contact us for further help in finding the correct size, performance, lifting length or model.

Solve your problems with the high-quality hydraulic tools made by  $\textbf{ENERPAC} \ @$ 

Please contact us for a brochure with information about applications and accessories.



# 80600

# Multi-purpose cylinders type RC

# ENERPAC.

Type

Single action.

Max. operating pressure 700 bar. Piston made of hard chrome-plated quality steel. With exchangeable, corrugated pressure piece, strong return spring, wiping ring. External thread on cylinder head, piston bar with internal thread and mounting thread on cylinder bottom. Coupling sleeve with dust cover.



Туре	Cylinder type	Lift	Effective	Oil capacity	Cylinder height	Weight	80600
	t (kN)	mm	piston surface cm <sup>2</sup>	cm <sup>3</sup>	closed mm	kg	
RC 51	5 (45)	25	6,5	16	110	1,0	101
RC 53	5 (45)	76	6,5	50	165	1,5	102
RC 55	5 (45)	127	6,5	83	215	1,9	103
RC 57	5 (45)	177	6,5	115	273	2,4	104
RC 102	10 (101)	54	14,5	78	121	2,3	105
RC 104	10 (101)	105	14,5	152	171	3,3	106
RC 106	10 (101)	156	14,5	226	247	4,4	107
RC 108	10 (101)	203	14,5	294	298	5,4	108
RC 154	15 (142)	101	20,3	205	200	5,0	109
RC 156	15 (142)	152	20,3	308	271	6,8	110
RC 158	15 (142)	203	20,3	411	322	8,2	111
RC 252	25 (232)	50	33,2	166	165	6,4	112
RC 254	25 (232)	102	33,2	339	215	8,2	113
RC 256	25 (232)	158	33,2	525	273	10,0	114
RC 258	25 (232)	210	33,2	697	323	12,2	115

# **Aluminium cylinder type RAC**

#### ENERPAC.

Type

Single action.

Max. operating pressure 700 bar. Piston and housing made of aluminium with hardened surface coating. With exchangeable pressure piece, powerful return spring and steel base. Coupling sleeve and dust cover.

Handles included.



Туре	Cylinder type	Lift	Effective	Oil capacity	Cylinder height	Weight	80610
	t (kN)	mm	piston surface cm <sup>2</sup>	cm <sup>3</sup>	closed mm	kg	
RAC-204	20 (218)	100	31,2	312	224	4,1	101
RAC-304	30 (309)	100	44,2	442	231	5,2	102
RAC-504	50 (496)	100	70,9	709	236	9,8	103
RAC-1004	100 (1002)	100	143,1	1431	271	19,6	104

# 80630

# **Short Lift Cylinders Type RSM**

### ENERPAC.

Type

Single action.

Max. operating pressure 700 bar. Piston made of hard chrome-plated quality steel. Coupling sleeve with dust cover. Compact **flat model** for use within locations not reachable with big size cylinders.

Thanks to the corrugated piston end pieces, pressure pieces are not necessary.



80630

80610

Туре	Cylinder type	Lift	Effective	Oil capacity	Cylinder height	Cylinder height	80630
	t (kN)	mm	piston surface cm <sup>2</sup>	cm <sup>3</sup>	closed mm	extended mm	
RSM-50	5 (45)	6	6,5	4	32	38	101
RSM-100	10 (101)	12	14,5	18	42	54	102
RSM-200	20 (201)	11	28,7	32	51	62	103
RSM-500	45 (435)	16	62,1	99	66	82	104

# 80635

# **Short Lift Cylinders Type RCS**

# ENERPAC.

Type

Single action.

Max. operating pressure 700 bar. **Lightweight cylinder**, for use in hard-to-reach places. With piston wiping ring, corrugated pressure piece with 2 mounting holes for mounting mobile pressure pieces, with coupling sleeve and dust cover.



80635

#### Туре Cylinder type Lift **Effective** Oil capacity Cylinder height Cylinder height 80635 extended mm t (kN) mm piston surface cm<sup>2</sup> closed mm cm<sup>3</sup> RCS-101 10 (101) 38 14,5 55 88 126 101 **RCS-201** 20 (201) 45 287 129 98 143 102 **RCS-302** 30 (295) 42,1 261 117 179 103

#### 80640

# Hollow-piston cylinders type RCH

# ENERPAC.

Туре

Single action.

Max. operating pressure 700 bar. The hollow piston construction allows to use the cylinder for pressure and hauling works. Mounting thread located at the cylinder head for easy assembly. Coupling sleeve with dust cover.

Note:

Also available made of aluminium.



Туре	Cylinder type	Lift	Effective	Oil capacity	Cylinder height	Cylinder height	Centre hole	80640
	t (kN)	mm	piston surface cm <sup>2</sup>	cm <sup>3</sup>	closed mm	extended mm	Ø mm	
RCH-123	13 (125)	76	17,9	136	184	260	19,6	101
RCH-206	20 (215)	155	30,7	476	306	461	26,9	102
RCH-306	30 (326)	155	46,6	722	330	485	33,3	103
RCH-603	60 (576)	76	82,3	626	247	323	53,8	104



# Hydraulic hand pumps type P

# ENERPAC.

#### Type

Max. operating pressure 700 bar. Two steps for single action cylinder. Low weight and compact construction. Nylon tank and nylon-coated aluminium housing. Hand lever-lock, built-in safety valve as overload protection.

#### Note:

For type P-142, the connecting piece type FZ-1055 (cat.-no. 80720 114) is required.





Туре	Useable I	Max. pressure level	Max. pressure level	Flow volume	per stroke cm <sup>3</sup>	Connection	Lever force	80660
	oil capacity cm3	bar 1. step	bar 2. step	1. step	2. step	thread	max. kg	
P-142	327	13	700	3,62	0,90	1/4 inch - 18 NPT	35,4	101
P-392	901	13	700	11,26	2,47	3/8 inch - 18 NPT	42,2	102
P-802	2540	27	700	39,33	2,47	3/8 inch - 18 NPT	43,1	103
P-80	2200	25	700	16,22	2,46	3/8 inch - 18 NPT	47,0	104

#### 80665

# **Turbo Air pumps type PATG**

# ENERPAC.

#### Type

Max. operating pressure 700 bar. For single action cylinders. The turbo system is using the exhausting air for operating the pump drive. Only at 5,5 bar air pressure, a hydraulic pressure of 700 bar will be generated. With air sound absorber - reduces the noise level. Tank port for using the cylinder with remote control. Air and oil intake filter, pressure relief valve as overload protection.



Type	Useable	Flow volume	Flow volume	Air pressure	Air consumption	Weight	80665
	oil capacity cm <sup>3</sup>	I/min without load	I/min with load	bar	l/min	kg	
PATG-1102 N	2081	1,0	0,16	1,7-8,6	340	8,2	101

# 80670

# **Compact Electric Pumps Typ PU**

# ENERPAC. 2

#### Туре

Max. operating pressure 700 bar. For single action cylinders. 230 V/3,2 A.

# 80670 101

# Type PUD-1100 E

#### Type

With electric drain valve for automatic retraction of the cylinder, 3 m long remote control for the engine and valve control. For applications without the need of holding loads.

#### 80670 102

#### Type PUJ-1200 E

# Type

3 m long remote control for motor operation. Manually operated 3/2 way valves allow extending, holding, and removing of tools and cylinders.



Туре	Useable	Max. pressure level	Max. pressure level	Flow volume	Flow volume	Weight	80670
	oil capacity I	bar 1. step	bar 2. step	I/min 1. step	I/min 2. step	kg	
PUD-1100 E	1,9	13	700	3,31	0,32	11,8	101
PUJ-1200 E	1,9	13	700	3,31	0,32	10,0	102

# Accessories for **ENERPAC** ovlinders and pumps

#### ENERPAC. 2

80685 103

#### Double stop valve type AM-21

Allows to regulate the volume streams for 2 singleaction cylinders, with effect to parallel extension.

#### Hydraulic high-stream coupling type C-604

Incl. of coupling sleeve and connector plug, thread 3/8 inch NPT, reference stream 40 l/min., max. operating pressure 700 bar.

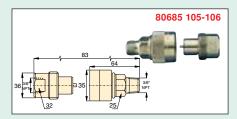
#### 80685 105

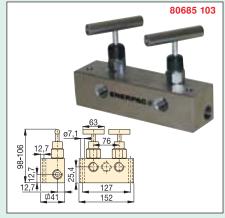
Coupling sleeve CR-400 Single.

#### 80685 106

Connector plug CH-604

Single.





	Туре	80685
Double stop valve	AM-21	103
Hydraulic high-stream coupling	C-604	104
Coupling sleeve	CR-400	105
Connector plug	CH-604	106

#### 80695

# Hydraulic oil

#### ENERPAC.

Maximum pump effect, highest internal heat transmission avoids bubbles inside the pump. Additives prevent the build-up of rust and slick and keep oxidation low. High viscosity index, very good lubrication characteristics.

Contents	80695
I	
1	101
5	102



### 80700

# Thermoplastic hydraulic hoses type HC

# ENERPAC.

Four layers, including two robust wire nets. Outer surface made of polyurethane for better wear-resistance caused by friction. Low volume extension under pressure for better system efficiency. Pressed-on rubber tension stopper for long service life and durability. Hose coupling 3/8 inch NPT, connector plug 3/8 inch NPT.

# Application

For heavy-duty work with safety factor 4:1. Max. permitted operating pressure 700 bar.



Туре	length of hose	inside Ø	Weight	80700
	m	mm	kg	
HC-7203	0,9	6,4	0,8	101
HC-7206	1,8	6,4	1,0	102
HC-7210	3,0	6,4	1,5	103
HC-7220	6.1	6.4	2.9	104

# 80705

# Hydraulic glycerin manometers type G

# ENERPAC.

Glycerine is used for isolating and damping all internal pressure-sensitive parts, guaranteeing long and maintenance-free service life. Safety glass and pressure compensation membrane included.

Pressure range 0 - 700 bar,

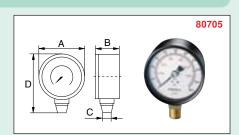
lowest value = 10 bar, highest value = 100 bar, accuracy +/- 1-3% of scale graduation.

80705 101

Lower port 1/4 inch NPTF, Ø 63 mm.

80705 102

Lower port 1/2 inch NPTF, Ø 100 mm.



Туре	Α	В	С	D	80705
	mm	mm	mm	mm	
G 2535 L	63	37	1/4 inch NPTF	84	101
G 4039 L	100	49	1/2 inch NPTF	136	102

80.16 www.hhw.de

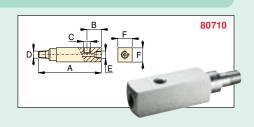


# Manometer connecting pieces type GA

### ENERPAC.

Type

Max. operating pressure 700 bar. For easy installation of a pressure gauge to your hydraulics system. Plug for direct mounting of the adapter on the pump or the cylinder, the sleeve fits to hoses or couplings, the third port is used for connecting the pressure gauge.



Туре	Port	Plug	Sleeve	Α	В	С	D	E	F	80710
	(NPTF)	(NPTF)	(NPTF)	mm	mm	mm	mm	mm	mm	
GA-2	1/2 inch	3/8 inch	3/8 inch	155	35	1/2 inch NPT	3/8 inch NPT	3/8 inch NPT	32	101
GA-3	1/4 inch	3/8 inch	3/8 inch	133	25	1/4 inch NPT	3/8 inch NPT	3/8 inch NPT	35	102

80720

# **High-pressure screw fittings type FZ**

### ENERPAC.

Application

For operating pressures of up to 700 bar. For hydraulic hand pumps type P-142, cat.-no. 80660 101.



Туре		input	output	Α	В	Connecting thread		80720
				mm	mm	C	D	
FZ-1055	connecting piece	1/4 inch NPT	3/8 inch NPT	44	23	1/4 inch 18 NPTF	3/8 inch 18 NPTF	114

#### 80750

# Hydraulic bench and workshop presses

# ENERPAC.

Туре

The new workshop presses by ENERPAC are characterised by their power and long service life. They offer excellent price at low cost. Each of these presses is powerful enough to fulfil its tasks with precision and strength. At the same time, they are very user-friendly. The optimised internal heights and table dimensions offer more-than-enough room for a wide range of applications.

# Note:

The frames of the workshop presses are only suitable for pressing, they are not suitable for pulling. Tools for pulling available on request.

# 80750 101

Type

Bench press 10 t

With single-action cylinder with spring back-draw. Hand pump, hose, pressure gauge and pressure gauge connection fitting included.

#### 80750 102

Type

Workshop press 25 t

With double-action cylinder. The lower yoke can be adjusted by means of a winch. Hand pump, hose, pressure gauge and pressure gauge connection fitting included.

# 80750 103-107

Type

Workshop presses 50 and 100 t

With double-action cylinder. The lower yoke can be adjusted by means of the unrivalled -Hydrajustpositioning device. Electric pump aggregate, hoses, pressure gauge, and pressure gauge connection fitting included.





80750 101





Туре	Pressure force	max. visual height	max. visual width	Lift	Overall height without cylinder	Weight	80750
	approx. t (kN)	mm	mm	mm	mm	approx. kg	
VLP 106 P142	10 (101)	430	432	155	620	49	101
XLP 256 P392	25 (232)	1225	510	159	1622	165	102
XLP 506 ZES-M	50 (498)	994	1000	155	1879	675	104
XLP 5013 ZES-M	50 (498)	994	1000	333	1879	700	107
VLP 1006 ZES	100 (933)	989	1000	168	1879	962	103



• Material stand • Hydraulic Jacks • Rotatable machine dollies



