

REHOBOT®

MADE IN SWEDEN

POWER WITH HYDRAULICS

LIFTING SYSTEMS & HYDRAULIC TOOLS

PRODUCT OVERVIEW



WORKSHOP

PIN & BUSHING TOOL KITS, UNIVERSAL BALL JOINT EXTRACTOR, AXLE STANDS, BOTTLE JACKS, TROLLEY JACKS, SPECIAL JACKS, KING-PIN PRESSES, TROLLEY JACKS, LIFTING SYSTEMS

www.rehobot.se

HYDRAULIC PULLERS

AH - HYDRAULIC 3-ARM PULLERS

REHOBOT hydraulic pullers are designed for tough industrial applications and are available in sizes from 5 ton to 44 ton. The rugged design will make this a work-horse for many years to come.

- Rugged industrial design.
- Safe and stable pull operations as piston is non rotating
- Self straining.

The benefits of a hydraulic puller, compared with a mechanical one, are many; key being non rotating piston / press head. This allows the user to carry out the pull safely without the risk of slipping.

The smaller sizes, 5 ton and 10 ton, are equipped with special mechanics which self centers the arms. The arms will therefore always adapt to the diameter of the object and have the best possible grip and handling. All REHOBOT pullers are furthermore self straining and have an extra long stroke. The pull depth can easily be adjusted by moving the arm attachments.

The pullers can be used with 2 or 3 arms (not the AH450 - only 3 arms). Different lengths of arm are available as accessories.

Choose a suitable pump kit - many REHOBOT pumps fit our pullers but we recommend either our PHS70-1000/LS201 kit or rather the air driven foot pump type PP70B-1000/LS201. Both types are equipped with a 2 m hose, a swivel and a REHOBOT AQI7 quick coupling.



Name	Part number	Working pressure MPa	Capacity kN (t)	Max. opening mm	Stroke volume cm ³	Weight kg
AH50	37143	70	49(5)	250	165	6.4
AH110	37151	70	111/11	400	485	15.1
AH200	37159	70	200(20)	500	1032	23.7
AH450	37163	70	450(46)	700	1272	76.1

AHV50-110 - PULLER BUGGY

Hydraulic pullers are heavy tools. Especially when you need the tool on a day-by-day basis. This is where the puller buggy comes in very handy. The hydraulic pullers and the accessories stay in one single place, easy accessible when you need them. The puller buggy is equipped with 4 swiveling wheels, two of them lockable.

The puller buggy is delivered as standard with the following items:

- TV50-110 - Buggy with winch
- AH50 - 5 T Puller
- AH110 - 10 T Puller
- EAT50-110 - Push mandrel kit
- PP70-1000/LS251ES - Pump with hose and couplings
- AMK802 - Gauge kit
- 110-390 - Puller arms
- 110-490 - Puller arms
- 20-20 - Safety chain



Two additional accessory kits are available:

- PK50 - Pin- knife puller kit 5 T (Part no. 37146)
- PK110 - Pin- knife puller kit 10 T (Part no. 37154)

Name	Part number	Working pressure MPa	Capacity kN	Length mm	Width mm	Height mm	Weight kg
AHV50-110	47949	70	49-110	800	800	1650	93

HYDRAULIC SPREADERS



ESH10 & CS SERIES

- For lifting machines or other heavy constructions.
- For prying loose stuck objects.
- To open closed doors or similar

Hydraulic spreaders can be used to pry apart, press, widen or lift where space is limited or the opening is narrow. The tool can be used within many different areas such as mechanical workshops and building industry for maintenance and repair, civil and military rescue services etc.

Models ESH10 and CS20-120

These models have a built-in cylinder and one moving jaw equipped with return spring. Besides that, the spreaders are equipped with a hydraulic quick coupling AQI7, and are ready for use with a hydraulic pump.

Name	Part number	Spreading force kN	Max working pressure MPa	Max. opening mm	Min. height mm	Weight kg
ESH10	14507	9	70	85	8	1.8
CS20-120	38362900	20	80	120	9	5.4

HCE25/363 & 369 - SIDE & END CUTTERS

Hydraulic side and end cutters can be used e.g. for cutting rebar, bolts, wire, rivets, nuts and so on.

SIDE CUTTERS

Models 363-1 and 369 are aimed for cutting flat and hard materials.

END CUTTERS

Thanks to the special shape of the cutting head, models HCE25 and HCE25V can be used for cutting rivets, nuts and bolts. Always when it comes to cutting small objects or where the cutting surface is limited.

Both models are available with or without integrated control valve. Versions without integrated control valve are operated by the valve of the connected pump.



Side cutter 369

Name	Part number	Max cutting force kN	Control valve integrated	Max. opening mm	Weight kg
HCE25	39814	90	-	25	7.4
HCE25V	39813	90	Yes	25	9.2
363-1	38336600	140	Yes	26	8.5
369	38336900	140	-	26	6.7

AUTOMOTIVE KITS

EBH - SPRING EYE BUSH REPLACEMENT KIT

- Safe, simple and speedy hands free process.
- Up to 50-60% time & labour cost saving.
- The lightweight & compact design allows work to be carried out on the vehicle where access is restricted.
- Little or no manual effort required.
- All work can be carried out in situ on the vehicle.
- At a total weight of 8 kg fully assembled falls well within EU manual handling of loads regulations.
- Can be easily and cheaply upgraded should new vehicles be introduced on to the market at a future date.



Name	Part no	Pressure MPa	Capacity kN (t)	Cylinder	Pull rod	Adapter	Sleeve	Push Washer	Weight kg
EBH6	44592	70	62 (6)	CHF62	M12 x 500 M16 x 500	AD6-18	TA49 TA73	BR35/25-16 BR45/35-24 BR65/45-30	8.6
EBH13	44594	70	132 (13)	CHFA132	M16 x 500	AD6-18	TA49 TA73	BR45/35-24 BR65/45-30	11
EBH18	44598	70	182 (18)	CHFA182	M24 x 500	AD6-18	TA49 TA73	BR45/35-24 BR65/45-30	13
EBH18 Extended	49220	70	182 (18)	CHFA182	M16 x 500 M20 x 500 M24 x 500	AD6-18	TA49 TA73 TS56-51 (conical sleeve)	BR35-16 BR45-16 BR50/43-21 BR55-20 BR65-20 BR72-24 BR90/80-30	13
EBH26	46957	70	262 (26)	CHFA262	M30 x 500	AD26-37	TA73 TA95	BR65/45-30 BR90/65-36	15.1
EBH37	46959	70	372 (37)	CHFA372	M36 x 500	AD26-37	TA73 TA95	BR90/65-36 BR110/90-36	22.5

Adapter: Used to support the sleeve against the cylinder. **Sleeve:** Used to "extend" the stroke length of the cylinder. TAxx, where xx is the inner diameter in mm.

Push washer: Used to push/pull the bushing. BRxx/XX-yy, where xx is outer diameter, XX is the diameter of the edge & yy is the inner diameter measured in mm.

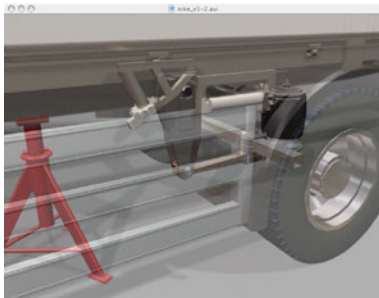


Removing the old bush and inserting a new on a DAF CF85 truck by the use of a EBH18 - kit simply the work. The operation can be performed in a safe and rapid manner.

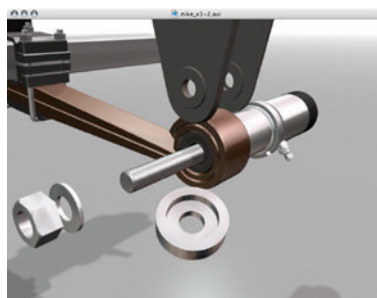
REHOBOT's EBH18 hydraulic spring eye bush replacement tools have been developed in conjunction with commercial vehicle manufacturers and vehicle workshop personnel to provide a lightweight, in situ time & labour saving solution for all makes & models of commercial vehicles.

Using REHOBOT's 18 ton capacity lightweight aluminium hollow bore cylinder and the comprehensive set of accessories contained within the kits the equipment can be easily used on any vehicle.

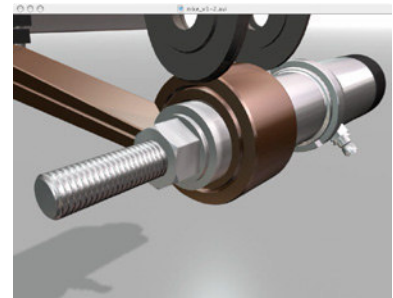
Sequence of operation using the EBH - kit



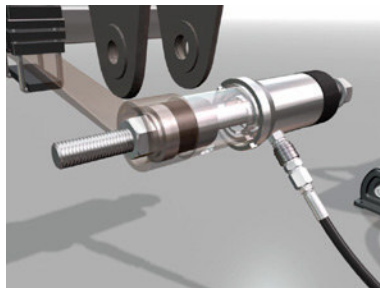
Step 1



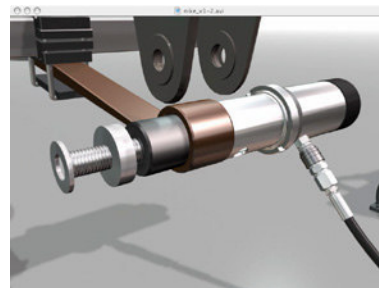
Step 2



Step 3



Step 4



Step 5

PUMP ALTERNATIVES TO OPERATE ALL AUTOMOTIVE TOOLS & KITS

Each AUTOMOTIVE kit requires a suitable hydraulic pump unit. This is mandatory for all other hydraulic tools from REHOBOT. The kits may preferably be operated by either the PP70B-1000 pneumatic operated foot pump or the PHS70-1000 hydraulic hand pump.



More comfort – PP70B-1000



More portable – PHS70-1000

ETC37 & ETC50 PIN & BUSH REPLACEMENT TOOL KITS

REHOBOT'S ETC37 and ETC50 hydraulic pin & bush extraction tool kits have been developed in conjunction with the major manufacturers of heavy plant and special purpose machines for the construction industry to provide a lightweight, in situ, time and labour saving solution for the demanding service requirements on these machines.

- Safe, simple, hands free operation
- Up to 60% time and labour saving
- Can be adapted to suit all makes of construction plant and heavy equipment
- Flexible and adaptable system
- Improved health and safety over traditional methods
- Breakout & extension sleeves common to 37 & 50 ton kits
- Can be used across most pin & bush applications in use in the industry
- All work carried out in situ on the vehicle
- Suitable for on site and workshop repairs



Using REHOBOT'S 37 and 50 ton lightweight aluminium hollow bore 37 ton and 50 ton cylinders together with the unique stacking sleeve system and comprehensive sets of accessories incorporated in these tool kits the equipment can be easily used on any make of machine.

Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Cylinder type	Weight kg
ETC37	48072	70	358 (36)	51	CHFA372	24.3
ETC50	48073	70	508 (52)	104	CHFA504	46.6



INCLUDED PARTS IN THE ETC - KITS

Name	ETC37	ETC50	Description	Data
CHFA372	Yes	-	Cylinder	37 ton
CHFA504	-	Yes	Cylinder	52 ton
TR36-1000	Yes	-	Pull rod	M36 x 1000 mm
TR48-1000	-	Yes	Pull rod	M48 x 1000 mm
TAS95	Yes	Yes	Sleeve	ø95 mm
TC115	Yes x 2	Yes x 2	C-sleeve	ø115 mm, l = 135 mm
TC175	-	Yes x 2	C-sleeve	ø175 mm, l = 135 mm
TP115	Yes	Yes	Adapter	För TC115
TP175	-	Yes	Adapter	För TC175
TAD24-36	Yes	-	Thread adpt.	M24 (ext) -> M36 (int)
TAD30-36	Yes	-	Thread adpt.	M30 (ext) -> M36 (int)
TAD30-48	-	Yes	Thread adpt.	M30 (ext) -> M48 (int)

The 50 ton kit in use on a Volvo L150.

BEU110 – THE IN SITU BALL JOINT EXTRACTOR KIT

REHOBOT's unique BEU110 10 ton multi headed ball joint extractor is a superb complimentary tool to the spring eye bushing kits. This tool has again been developed in conjunction with leading commercial vehicle manufacturers and workshop personnel to ensure that it covers virtually all the ball joints currently in use on vehicles on the present market.

The BEU110's compact size and design allows it to access the majority of ball joints on vehicles such as: DAF, MAN, Mercedes, Scania, Volvo, Iveco & Hino.

Also, the 10 ton load capacity ensures quick separation of the joint.

Accessories

TD40	40 mm "horse shoe"
TD50	50 mm "horse shoe"
TD75	75 mm "horse shoe"
BE110 & adapter kit ADK	Dedicated add on kit for Mercedes Benz Sprinter



Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Weight kg
BEU110	47570	70	110(11)	54	86	3.8

SECRETS OF THE BEU - SYSTEM

- Interchangeable horse shoe heads 40 & 50mm included.
- Safe hands free operation.
- Full 10 ton breakout force.
- Covers most ball joints currently on the market.
- Adapters available to allow in situ replacement of ball joints.
- Cost effective & labour saving.
- Future proof due to modular design.



BEU110 c/w 50mm horseshoe on a Scania Truck

PUSH & PULL KITS

EB/ES/EU - HYDRAULIC PUSH & PULL KITS

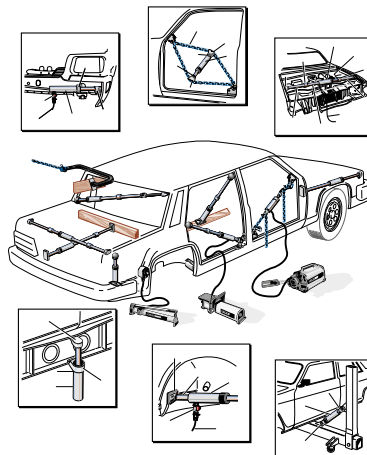
- A multi functional tool box for all maintenance jobs.
- 5, 11 or 23 ton capacity.
- Flexible tool kit for push or pull applications.
- Interconnects with many other REHOBOT accessories.
- Strong storage case.



Note: Content may differ dependent on kit-type.

Name	Part number	Pressure MPa	Capacity kN (t)	Weight kg
EB50	49508	70	49 (5)	14
ES50	49509	70	49 (5)	18
EU50	49510	70	49 (5)	25
EB110	49511	70	111 (11)	21
ES110	49512	70	111 (11)	27
EU110	49513	70	111 (11)	42
ES230	49514	70	232 (23)	44

Depending on what the push-pull kit is used for, you can choose between three different kits: basic, standard and universal. Each kit contains several different accessories for the ram, which makes the kit ready to be used in different applications and for various purposes. All kits come with a push ram. If the job is carried out on different locations, we recommend a hydraulic hand pump in the PHS-series. An air/hydraulic pump PP70-series is the better choice when you have access to compressed air. This pump is also more comfortable and faster to work with.



Basic kit (EB-kit)

The basic kit contains a push ram with various capacity dependent on the size of the kit. Furthermore the kit comes with and several accessories such as extension tubes and pressure heads.

Standard kit (ES-kit)

















The standard kit contains the same pieces as the basic kit. Additionally it comes with a spreader and more accessories for the ram. The accessories make the ram more flexible.

Universal kit (EU-kit)

The universal kits contain all the parts from the standard and basic kits. Furthermore, it comes with a pull ram, a pull chain and some accessories for the pull ram.

Please refer to the chart on the next page for information about the contents of the kits.

Ex50 (5 ton KIT) - TABLE OF CONTENTS

	Name	Description	EB50 kit	ES50 kit	EU50 kit
	CF104	Push cylinder 49 kN, 127 mm stroke	•	•	•
	TD419	Clamp head for piston, 20 kN, tap ø19 mm	•	•	•
	TD420	Clamp head for cylinder, 20 kN, UN 1 1/2-16	•	•	•
	TFP401	Extension tube, l = 76 mm			•
	TFP402	Extension tube, l = 127 mm	•	•	•
	TFP403	Extension tube, l = 254 mm	•	•	•
	TFP404	Extension tube, l = 381 mm	•	•	•
	THK412	Pressure head, pointed, tap ø19 mm	•	•	•
	THV411	Pressure head, V-notched, tap ø19 mm	•	•	•
	TL125	Metal case 677x300x165 mm	•	•	•
	ESH10	Spreader, 9 kN, max opening 90 mm		•	•
	THG413	Pressure head, rubber ball 3", tap ø19 mm		•	•
	TMC421	Coupling tap, ø19 mm		•	•
	TS430	Base plate, hole ø19 mm		•	•
	CPF705	Pull cylinder, 40 kN, 125 mm stroke			•
	TB441	Pull schakle for CPF705			•
	TK408	Chain with hook, L = 1600 mm			•
	TMK427	Chain attachment for CPF705			•
	TMT422	Coupling nipple, 2 x NPT 3/4-14			•



PUMP ALTERNATIVES TO OPERATE PUSH & PULL KITS

Each PUSH & PULL kit requires a suitable hydraulic pump unit. This is mandatory for all hydraulic tools from REHOBOT. The kits may preferably be operated by either the PP70B-1000 pneumatic operated foot pump or the PHS70-1000 hydraulic hand pump.





















More comfort –
PP70B-1000/LS201



More portable – PHS70-1000












PUSH & PULL KITS

Ex110 (11 ton KIT) - TABLE OF CONTENTS

	Name	Description	EB110 kit	ES110 kit	EU110 kit
	CF110	Push cylinder 111 kN, 150 mm stroke	•	•	•
	TD119	Clamp head for piston, 50 kN, NPT 1 1/4 - 11 1/2	•	•	•
	TD120	Clamp head for cylinder, 50 kN, UN 2 1/4 - 14	•	•	•
	TFP101	Extension tube, l = 76 mm			•
	TFP102	Extension tube, l = 127 mm	•	•	•
	TFP103	Extension tube, l = 254 mm	•	•	•
	TFP104	Extension tube, l = 381 mm	•	•	•
	THK112	Pressure head, pointed, NPT1 1/4 - 11 1/2	•	•	•
	THT115	Pressure head, threaded NPT 1 1/4 - 11 1/2	•	•	•
	THV111	Pressure head, V-notched, NPT 1 1/4 - 11 1/2	•	•	•
	TMT124	Coupling nipple, int. thread NPT1 1/4 - 11 1/2	•	• (x2)	• (x2)
	TL125	Metal case 677x300x165 mm	•	•	•
	ESH10	Spreader, 9 kN, max opening 85 mm		•	•
	THG113	Pressure head, rubber ball 3", NPT 1 1/4 - 11 1/2		•	•
	TMC121	Coupling tap, ø32 mm		•	•
	TMT122	Coupling nipple, 2 x NPT 1 1/4 - 11 1/2		•	•
	TS130	Base plate, NPT 1 1/4 - 11 1/2		•	•
	CPF709	Pull cylinder, 110 kN, 127 mm stroke			•
	TB141	Pull schakle for CPF709			•
	TK107	Chain with hook, L = 2000 mm			•
	TMK127	Chain attachment for CPF709			•



ES230 KIT - TABLE OF CONTENTS

	Name	Description	ES230 kit
	CF120	Push cylinder 232 kN, 127 mm stroke	•
	TD219	Clamp head for piston, 232 kN, NPT 2 - 11 1/2	•
	TD220	Clamp head for cylinder, 232 kN, UN3 5/16 - 12	•
	TFP203	Extension tube, l = 254 mm	•
	TFP204	Extension tube, l = 508 mm	•
	TFP205	Extension tube, l = 762 mm	•
	THK212	Pressure head, pointed, NPT 2 - 11 1/2	•
	THT215	Pressure head, threaded NPT 2 - 11 1/2	•
	THV211	Pressure head, V-notched, NPT 2 - 11 1/2	•
	TL225	Metal case 772x285x180 mm	•
	TMT224	Coupling nipple, int. thread NPT 2 - 11 1/2	•
	TMT222	Coupling nipple, 2 x NPT 2 - 11 1/2	•
	TS218	Base plate, NPT 2 - 11 1/2	•



PUMP ALTERNATIVES TO OPERATE PUSH & PULL KITS

Each PUSH & PULL kit requires a suitable hydraulic pump unit. This is mandatory for all other hydraulic tools from REHOBOT. The kits may preferably be operated by either the PP70B-1000 pneumatic operated foot pump or the PHS70-1000 hydraulic hand pump.



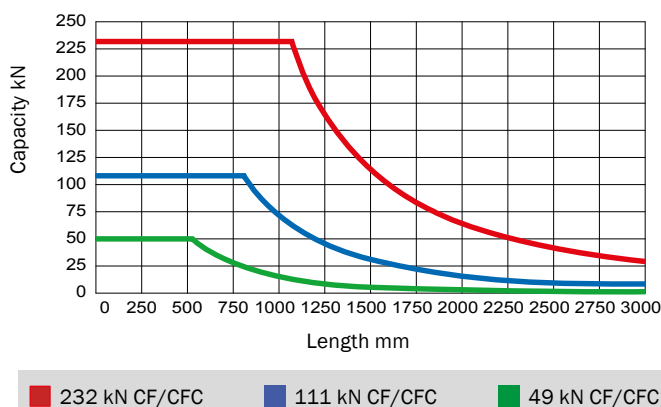
More comfort –
PP70B-1000/LS201

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More portable – PHS70-1000

PERMISSIBLE EXTENSION FOR CF- & CFC - CYLINDERS



KPP23 – 23 TON HYDRAULIC KING PIN PRESS

One notoriously tricky task carried out by workshop staff is the removal of a seized king pin – a vital steering system component connected to the stub axle.

User friendly - Traditional solutions to the problem are far from ideal. One method employs an acetylene torch to heat up the axle, expanding it slightly so that the king pin can be forced out with a heavy, blunt instrument such as a sledge hammer. REHOBOT's 23 ton King Pin Press is a far more simpler, hydraulic solution to the problem.

Robust design - With a spread of 165mm and reach of 457mm, and its 23 ton capacity allows it to remove around 80% of all commercial vehicle king pins & stub axles on the market. It comes complete with a set of 4 pusher pin in various diameters and lengths.



More comfort – PP70A-1000



More portable – PHS70-1000

Name	Part number	Pressure MPa	Capacity kN (t)	Frame width mm	Frame length mm	Pusher pin diameter mm	Weight kg
KPP20	50218	70	230 (23)	165	457	18, 20, 25, 35	39



Assemble the KPP20, push the hydraulic pump – the pin pops out. Job done!



Replacing a sized king pin can be a time consuming process . Using the KPP20 means keeping trouble and labour time for this kind of job to a minimum.

SC23 – SPRING COMPRESSOR

The hydraulic spring compressor from REHOBOT is a universal and very powerful tool. The spring compressor uses exchangeable jaws (ordered as accessories) in order to suit any car model.

Universal - The hydraulic spring compressor uses common jaws which in many cases are already part of the workshop equipment. Jaws are available for many different car models.

Safe - Mechanical tools with worn-out and heavy loaded parts mean a higher risk for personal injury. The hydraulic spring compressor has minimal wear and is therefore much safer than comparable mechanical tools.

Easy to operate - The hydraulic spring compressor is equipped with a quick-coupling which makes it easy to connect the tool to a foot-operated air/hydraulic pump. Thanks to the pump, the operator has both hands free for controlling the tool. Further more, the spring compressor is provided with a flexible holding block, which allows the tool to be placed in a suitable angle on a work bench.



Accessory jaws

Name (Pair)	Spring size ø (mm)
KL-1500SP	70 - 100
KL-1510SP	80 - 165
KL-1520SP	155 - 195

Name	Part number	Pressure MPa	Max. load kN (t)	Min. length mm	Max. length mm	Compression length mm	Weight kg
SC23	45195	70	23 (2.3)	73	483	250	7.8

SPECIAL JACKS HYDRAMITE & HYDRACLAW



Hydraclaw has the following features:

- Powerful - 5 tonne capacity on head or toe
- High lift - 178mm
- Fast Operation - 5.5mm lift per stroke
- Stable - substantial base offers stability under load
- Versatile - horizontal or vertical operation
- Safe - positive stop feature prevents over-stroking, pressure relief valve prevents overloading
- Ease of Operation - lifting/lowering controlled smoothly by operating lever, acceptable lever effort
- Low Clearance - 41mm
- Reliable - jack hydraulics are totally enclosed
- Robust Construction - can withstand rough treatment, ferrous construction has led to its extensive use underground

Hydramite has the following features:

- Powerful – 6.5, 10 and 15 tonne capacity
- Servicing and repairs easily undertaken
- Versatile – operates in any orientation
- Easy to Operate
- Proven – thousands in use worldwide
- Safe - relief valve prevents overloading
- Construction – all parts enclosed, ideal for dusty conditions
- Compact and Lightweight

Name	Part number	Capacity ton	Min. height mm	Max. height mm	Stroke length mm	Weight kg
Hydraclaw	33702	5	41	505	178	17
Hydramite	44077	6.5	132	208	76	3.6

Innovative solutions tailored to your requirements:

- Hydraulics, power units and valves
- Pressure test units, high pressure hydraulics
- Production aids, machines

A wide range of excellent products:

- Proportional valves, emergency shut off valves, as well for hazardous areas
- Test couplings, check valves, pressure gauges
- Miniature-air/oil-coolers

Hydraulic components from well-known manufacturers,

- chosen by our high demands
- on quality and delivery reliability!

Repairs and maintenance

- on hydraulic parts and systems
- carried out by our specialists.

Your partner for
hydraulics and engineering
