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REHOBOT®

MADE IN SWEDEN

POWER WITH HYDRAULICS

INDUSTRIAL PRODUCTS

PRODUCT OVERVIEW



256 TON

HAND PUMPS, ELECTRICAL PUMPS, PETROL
DRIVEN PUMPS, AIR DRIVEN PUMPS,
CYLINDERS, HOLLOW SHAFT CYLINDERS,
COMPACT CYLINDERS, ACCESSORIES



ABOUT REHOBOT HYDRAULICS

REHOBOT Hydraulics is a successful Swedish company who specializes in: development, manufacturing and marketing of high quality, high pressure hydraulic products & systems, used in Service & Maintenance applications worldwide in ambient or harsh environments as the customers requirements demand.

REHOBOT through its acquisition of the NIKE trademarks in 2010 is able to enhance and improve on the reputation already in the market place for quality, reliability and performance. The product portfolio includes: Hydraulic pumps, Cylinders/Rams, Workshop equipment, Hydraulic tools and Rescue equipment.

Our business is divided into three main business areas:

- Industrial
- Automotive
- Rescue

REHOBOT operates from its Head office in Eskilstuna Sweden, which also incorporates its manufacturing and R&D facilities. To enhance the company's on-going development, we currently have fully operational subsidiaries in the: United Kingdom and USA. This base is also supported by an extensive network of authorized distributors, dealers & service centres.

WE SOLVE YOUR PROBLEMS

REHOBOT has extensive experience in developing and producing bespoke solutions designed to our customers needs based on the latest High Pressure Hydraulic technology.

With 90 years background experience, we can develop cost effective bespoke solutions to your requirements, to budget and on-time.



ALWAYS EXCEEDING YOUR EXPECTATIONS!

REHOBOT's reputation has been founded on quality of the products produced. Our goal now is to exceed your expectations, not only with the quality and reliability of the products, but also with a comprehensive customer orientated support & service structure.

REHOBOT Industrial Hydraulic Products are used in many different applications and users worldwide. Process, mining, steel, construction, railways and shipbuilding are some of the many industries we serve.

The equipment we have supplied to these customers includes:

Hand/Air/Electric powered hydraulic pumps, steel and aluminium cylinders, push-pull kits, pullers, spreaders, cutting tools, and specialized tools kits.

REHOBOT, works in close collaboration with many leading OEM Companies, which has resulted in the development of customised solutions, meeting the client's exact unique demands, ensuring a long and mutually profitable relationship.

REHOBOT Hydraulics is certified in accordance with ISO 9001 & ISO 14001 - standards.



REHOBOT's products are suitable for use in harsh environments.



Lifting capacity and stroke can be adjusted to match the application that the cylinders are used in.



Custom made pumps developed for the Automotive industry. Constantly challenged to improve automotive productivity.



PUMPS – CREATING POWER!

REHOBOT pumps have a functional design to withstand rough handling in harsh environments. They can be used in many different applications & industries. The pumps can be used with all hydraulic tools and cylinders in the REHOBOT's product range.

REHOBOT pumps are used worldwide and every possible environment. Some examples can be found within the engineering, automotive, mining and petrochemical industries.

We are happy to tailor the pumps to our customers' needs, thus providing flexible and cost effective solutions.

Our designs are based on long experience within the field of hydraulics. The results are pumps that are easy to operate, repair & service - saving time and money for our customers! The life expectancy of REHOBOT products leads the market. Our pumps provide power that last for generations!

Hand powered pumps – Are lightweight, portable and do not require an external power source. These pumps are cost effective, easy to use, and are ideal for workshop or field use applications.

REHOBOT PUMPS ARE

- Cost effective
- High quality
- Reliable
- Ergonomically designed
- Simple to use

Air powered pumps – A cost effective option for faster and more efficient operations. No manual effort required by the operator. Portable and ideal for workshop use, only standard air-line supply required. Field use is feasible if access to a compressor is available.

Electrically powered pumps– The best option where large capacities of oil is required: e.g. multiple cylinder operations. By the addition of different valve types, these pumps can easily operate multiple tools. The electric pumps are suitable in stationary installations.

Petrol powered pumps – An excellent alternative where, field operations are required: e.g. construction sites and shipyards. No external power source is required.

Should you be unable to find a pump to suit your requirement in the following series and table, please contact REHOBOT to discuss your application in detail.

REHOBOT'S DIFFERENT PUMP SERIES

- PH - series - Single stage hand pump
- PHS - series - Two stage hand pump
- PME - series - Electrically powered pump
- PMP - series - Petrol powered pump
- PP - series - Air powered pump

PH - SINGLE STAGE HAND PUMPS

The single stage PH series of hand pumps are available with 700 or 800 bar working pressure and with the option of 600 & 1000 cm³ useable oil reservoir capacities.

The 700 bar version can also be fully assembled with 2m long hose (LS201ES), swivel coupling (ASE10) & female half coupling AQI7 upon order. The order code for these variants are: PH70-600/LS201 & PH70-1000/LS201 respectively.

Technical tip: To ensure complete operator safety at all times we recommend the fitting of a pressure gauge (AMT801) with gauge adaptor (AVM204) to this series of hand pumps.



PRESSURE GAUGES

An example of a pump PH70-600 equipped with pressure gauge AMT801 & gauge adaptor AVM204, used for display of the hydraulic pressure.



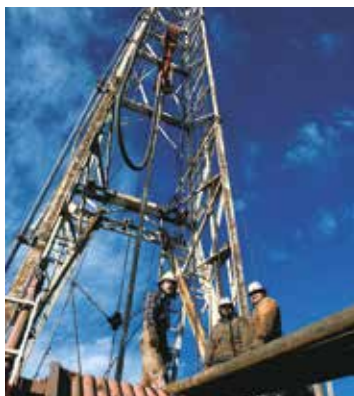
SHUT-OFF VALVE

VAD22 shot off valve increase and improve the usage of the hand pump. Shut-off valves for hose- or direct assembly onto the pump is included in the range of accessories

| Name | Part number | Working pressure MPa | Eff. oil volume cm ³ | Capacity cm ³ /stroke | Pump force N | Length mm | Width mm | Height mm | Weight kg |
|------------------|-------------|-------------------------|------------------------------------|-------------------------------------|-----------------|--------------|-------------|--------------|--------------|
| PH70A-600 | 49100 | 70 | 600 | 2.9 | 450 | 590 | 90 | 170 | 4.5 |
| PH70A-600/LS201 | 49108 | 70 | 600 | 2.9 | 450 | 590 | 90 | 170 | 4.7 |
| PH70A-1000 | 49101 | 70 | 1000 | 2.9 | 450 | 590 | 110 | 170 | 5.2 |
| PH70A-1000/LS201 | 49109 | 70 | 1000 | 2.9 | 450 | 590 | 110 | 170 | 5.4 |
| PH80A-600 | 49102 | 80 | 600 | 2.9 | 515 | 590 | 90 | 170 | 4.5 |
| PH80A-1000 | 49103 | 80 | 1000 | 2.9 | 515 | 590 | 110 | 170 | 5.2 |

Note: The hydraulic connection interface on all PH-pumps is constituted by a G1/4" threaded port.

Technical tip: When fitting hoses & accessories to any hydraulic equipment, please ensure that the working pressure rating matches or exceeds that of the pump supplying the system. Also ensure the effective oil volume of the pump exceeds the total oil volume of the hydraulic system.



PHS - TWO STAGE HAND PUMPS

The REHOBOT two-stage PHS hand pump comes with a pressure gauge as standard. This gives the user a precise and safe control over the work carried out. The gauge is directly mounted onto the pump and well protected by the specially designed pump lever. The 2-stage function makes the pump simple to operate permitting the cylinder or hydraulic tool to reach its working position much faster compared with 1-stage pumps.



- Hydraulic return connection port standard on all pumps
- Robust aluminium tank with low weight and simple oil filling
- Needle hold/release valve - ensures precise control over lowering operation
- Mounting holes for fixed installations & handle locking system for easy carrying

The PHS-pumps with 70MPa pumps are also available fully assembled with hose including a quick coupling AQI7 and swivel coupling ASE10. Please contact REHOBOT to obtain further details and ordering information.

| Name | Part number | Working pressure MPa | Eff. oil volume cm ³ | Capacity cm ³ /stroke | | Pump force N | Pressure gauge Type | Length mm | Width mm | Height mm | Weight kg |
|------------------|-------------|-------------------------|------------------------------------|-------------------------------------|--------------|-----------------|------------------------|--------------|-------------|--------------|--------------|
| | | | | High-pressure | Low-pressure | | | | | | |
| PHS70-300 | 44411 | 70 | 300 | 1 | 20 | 350 | AMT801 | 320 | 110 | 170 | 6 |
| PHS70-300/LS201 | 44418 | 70 | 300 | 1 | 20 | 350 | AMT801 | 320 | 110 | 170 | 6 |
| PHS70-1000 | 44400 | 70 | 1000 | 2 | 20 | 320 | AMT801 | 620 | 110 | 170 | 8.1 |
| PHS70-1000/LS201 | 44414 | 70 | 1000 | 2 | 20 | 320 | AMT801 | 620 | 110 | 170 | 8.5 |
| PHS70-2400 | 44405 | 70 | 2400 | 2 | 20 | 320 | AMT801 | 620 | 110 | 170 | 9.9 |
| PHS70-2400/LS201 | 44413 | 70 | 2400 | 2 | 20 | 320 | AMT801 | 620 | 110 | 170 | 10.4 |
| PHS70-4100 | 50605 | 70 | 4100 | 2 | 20 | 320 | AMT801 | 620 | 140 | 170 | 13.7 |
| PHS80-300 | 44412 | 80 | 300 | 1 | 20 | 400 | AMT801 | 320 | 110 | 170 | 6 |
| PHS80-1000 | 44401 | 80 | 1000 | 2 | 20 | 360 | AMT801 | 620 | 110 | 170 | 8.1 |
| PHS80-2400 | 44406 | 80 | 2400 | 2 | 20 | 360 | AMT801 | 620 | 110 | 170 | 9.9 |
| PHS80-4100 | 50606 | 80 | 4100 | 2 | 20 | 360 | AMT801 | 620 | 140 | 170 | 13.7 |
| PHS100-1000 | 44402 | 100 | 1000 | 1 | 20 | 230 | TX104 | 620 | 110 | 170 | 8.3 |
| PHS100-2400 | 44407 | 100 | 2400 | 1 | 20 | 230 | TX104 | 620 | 110 | 170 | 10.1 |
| PHS150-1000 | 44403 | 150 | 1000 | 1 | 20 | 370 | TX104 | 620 | 110 | 170 | 8.3 |
| PHS150-2400 | 44408 | 150 | 2400 | 1 | 20 | 370 | TX104 | 620 | 110 | 170 | 10.1 |
| PHS150-1000L | 44899 | 150 | 1000 | 1 | 20 | 370 | AMT151 | 620 | 110 | 170 | 8.5 |
| PHS150-2400L | 44903 | 150 | 2400 | 1 | 20 | 370 | AMT151 | 620 | 110 | 170 | 10.3 |

**) PHS240 are designed for ultra high pressures. All additional components & accessories needs to be selected for use with ultra high pressures e.g. equipped with a conical sealing principle. The hydraulic pressure port connection interface on the PHS240-2400L is a 9/16" - 18 UNF thread port with 60° Internal cone. The pressure return connection is constituted by a G1/4" internal threaded port.*

Note: The hydraulic pressure & return connection interface on all other PHS-pumps are constituted by two G1/4" threaded ports. **Technical tip:** When fitting hoses & accessories to any hydraulic equipment, please ensure that the working pressure rating matches or exceeds that of the pump supplying the system. Also ensure the effective oil volume of the pump exceeds the total oil volume of the hydraulic system.



PRESSURE GAUGE

All pumps in the PHS-series comes with a pressure gauge as standard. Different units for the representation of pressure or load can be supplied upon request.



PRESSURE VALVES

PHS-pumps with the pressure range of 70-80 MPa can be equipped with a directional valves. These accessories enable operation of double acting cylinders or other hydraulic tools.



PME - ELECTRICALLY POWERED PUMPS

REHOBOT's electrically powered hydraulic pumps are reliable, versatile and easy to use. All pumps have a double-speed operation with automatic switching between high and low pressure at 2 MPa - 6 MPa depending on the pump type.

The low-pressure unit is a gear pump that gives a high flow up to the switching pressure. The high-pressure unit is a single or double-piston pump.

PME70-2030ADV and PME70-2030MRV are equipped with foot actuated pedal for on/off control. All other models have a start/stop button placed on the motor.

Description of the valve alternatives:

ADV - Automatic release valve. Oil returns to tank when motor is switched off. The pressure built up in the tool then drops and the tool returns automatically. For crimping, cutting or press tools that are used in high-frequency applications. Not for lifting applications!

MRV - Manual release valve. Suitable when you want to maintain the pressure in the tool for an extended period and have a controlled release. Recommended usage with tools for cable crimping or cutting.

AP - Adapter plate. This pump has no valve, but simply a connecting plate with G1/4" pressure & return ports.

MLS - With lever valve for single-acting tool/cylinder.

MLD - With lever valve for double-acting tool/cylinder.

SS - With solenoid valve for single-acting tool/cylinder (24 V DC). Remote control TRC230-24 or external input control is needed.

SD - With solenoid valve for double-acting tool/cylinder (24 V DC). Remote control TRC230-24 or external input control is needed.

| Name | Part number | Working pressure MPa | Eff. oil volume cm ³ | Capacity cm ³ /min | | Motor V/kW | Length mm | Width mm | Height mm | Weight kg |
|----------------|-------------|-------------------------|------------------------------------|----------------------------------|---------------|---------------|--------------|-------------|--------------|--------------|
| | | | | Low pressure | High pressure | | | | | |
| PME70-2030ADV | 43005 | 70 | 3200 | 2700 | 300 | 230/0.55 | 285 | 285 | 520 | 23 |
| PME70-2030MRV | 43006 | 70 | 3200 | 2700 | 300 | 230/0.55 | 335 | 285 | 520 | 23 |
| PME70-2030AP | 43000 | 70 | 3200 | 2700 | 300 | 230/0.55 | 285 | 285 | 520 | 23 |
| PME70-2030MLS | 43001 | 70 | 3200 | 2700 | 300 | 230/0.55 | 330 | 285 | 520 | 24 |
| PME70-2030MLD | 43002 | 70 | 3200 | 2700 | 300 | 230/0.55 | 330 | 285 | 520 | 24 |
| PME70-2030SS | 43003 | 70 | 3200 | 2700 | 300 | 230/0.55 | 380 | 300 | 520 | 27 |
| PME70-2030SD | 43004 | 70 | 3200 | 2700 | 300 | 230/0.55 | 380 | 300 | 520 | 27 |
| PME70A-4100AP | 43007 | 70 | 10000 | 7500 | 1600 | 400/2.2 | 335 | 370 | 575 | 45 |
| PME70A-4100MLS | 43008 | 70 | 10000 | 7500 | 1600 | 400/2.2 | 375 | 370 | 575 | 46 |
| PME70A-4100MLD | 43009 | 70 | 10000 | 7500 | 1600 | 400/2.2 | 375 | 370 | 575 | 46 |
| PME70A-4100SS | 43010 | 70 | 10000 | 7500 | 1600 | 400/2.2 | 430 | 370 | 575 | 49 |
| PME70A-4100SD | 43011 | 70 | 10000 | 7500 | 1600 | 400/2.2 | 430 | 370 | 575 | 49 |
| PME70A-4200AP | 43012 | 70 | 20000 | 7500 | 1600 | 400/2.2 | 460 | 525 | 525 | 62 |
| PME70A-4200MLS | 43013 | 70 | 20000 | 7500 | 1600 | 400/2.2 | 480 | 525 | 525 | 63 |
| PME70A-4200MLD | 43014 | 70 | 20000 | 7500 | 1600 | 400/2.2 | 480 | 525 | 525 | 63 |
| PME70A-4200SS | 43015 | 70 | 20000 | 7500 | 1600 | 400/2.2 | 460 | 525 | 525 | 66 |
| PME70A-4200SD | 43016 | 70 | 20000 | 7500 | 1600 | 400/2.2 | 460 | 525 | 525 | 66 |

Note: The hydraulic pressure & return connection interface on all PME-pumps are constituted by two G1/4" threaded ports.

Technical tip! To ensure complete operator safety at all times we recommend the fitting of a pressure gauge (AMT801) with gauge adaptor (AAM14) to this series of pumps

PPxx-1000 - AIR HYDRAULIC PUMPS

PPxx-1000 air hydraulic pumps are compact pumps that operate in any position, horizontally or vertically. The pumps can easily be operated by hand or foot.

- High oil flow.
- Easy to fill & check oil level.
- Over pressure safety valve prevents overfilling of the tank during release operation which minimizes risk of injury!
- Return oil hose can easily be connected to oil reservoir filler hole.



Technical tip! For PPxx - pump series we recommend pressure gauge AMT801 & gauge adaptor AVM204.

PP70-1000 - the pumps can be supplied with pre-mounted hose 2 m or 2,5 m, quick coupling (AQI7) and swivel coupling (ASE10). The product designation in such cases are PP70-1000/LS201 (2m) with part nr: 45193 or PP70-1000/LS250 (2,5m) with part nr: 45192

| Name | Part number | Working pressure MPa | Eff. oil volyme cm ³ | Capacity cm ³ /min | | Air pressure MPa | | Length mm | Width mm | Height mm | Weight kg |
|-------------|-------------|-------------------------|------------------------------------|----------------------------------|---------------|---------------------|-----|--------------|-------------|--------------|--------------|
| | | | | Low-pressure | High-pressure | min | max | | | | |
| PP70B-1000 | 49300 | 70 | 1000 | 750 | 170 | 0.6 | 1.2 | 439 | 100 | 174 | 5.9 |
| PP80B-1000 | 49301 | 80 | 1000 | 600 | 160 | 0.6 | 1.2 | 439 | 100 | 174 | 5.9 |
| PP100B-1000 | 49302 | 100 | 1000 | 600 | 120 | 0.6 | 1.2 | 439 | 100 | 174 | 5.9 |
| PP150B-1000 | 47685 | 150 | 1000 | 369 | 65 | 0.6 | 1.2 | 439 | 100 | 174 | 5.9 |

Note: The hydraulic connection interface on all PP - pumps is constituted by a G1/4" threaded port.

PPxx-9200 - AIR HYDRAULIC PUMPS

PPxx-9200 series pumps are delivered with remote control. Pump is controlled by two buttons on the control unit (start/stop and release).

- Large tank capacity (9.2 liter).
- 2.5 m remote lead & handle controls.
- Operating air pressure 6 to 10 bar
- Separate pressure gauge connection.
- Can easily be equipped with manifold blocks and valves ideal for multi cylinder operations.
- Internal safety relief valve for overload protection



| Name | Part number | Working pressure MPa | Eff. oil volyme cm ³ | Capacity cm ³ /min | | Air pressure Bar | | Length mm | Width mm | Height mm | Weight kg |
|-------------|-------------|-------------------------|------------------------------------|----------------------------------|---------------|---------------------|-----|--------------|-------------|--------------|--------------|
| | | | | Low-pressure | High-pressure | min | max | | | | |
| PP70-9200RC | 50010 | 70 | 9200 | 1070 | 200 | 6 | 10 | 426 | 296 | 245 | 20 |
| PP80-9200RC | 50011 | 80 | 9200 | 710 | 150 | 6 | 10 | 426 | 296 | 245 | 20 |

Note: The hydraulic pressure connection interface on all PP-pumps is constituted by a G1/4" threaded port.

PPxx-2500 - AIR HYDRAULIC PUMPS



The PPxx-2500 series incorporates the following features:

- FP, RC and MRV models have built-in release valve that return oil to the tank.
- Safe, internal overflow & integrated safety valve.
- High oil-flow, sight level glass & robust aluminium design

Designed to be powered by 2.5 to 10 Bar air pressure line the PPxx-2500 ensures a trouble free and ergonomic way of generating hydraulic pressure. The air driven pump is suitable for stationary use in workshops and many other industrial applications.

The PPxx-2500 is ideally suited for use with REHOBOT Push & Pull kits and other hydraulic tools or cylinders. The pump can easily be equipped with additional pressure gauges, preassemble with hoses or couplings and comes with a vast number of valve options.

VALVE OPTIONS

| Name | Description |
|------|---|
| FP | Foot Pedal. The FP option is ideal when both hands of the operator needs to be working with the work piece or tool. The foot pedal control the start/stop of hydraulic flow and also its release back to the oil reservoir. |
| RC | Remote Control. The RC option with a remote control is utilized by a 2.5 m remote control unit. The pump is controlled by two push buttons on the remote unit controlling the start/stop of hydraulic flow and its release back to the oil reservoir. |
| MLD | Manual Lever control for Double acting tools. The manual lever is set to direct the hydraulic flow over 2 different ports. A foot pedal is used for the start/stop function. |
| MRV | Manual Release Valve. The MRV option is suitable when the pump is used together with tools equipped with internal valve functions. The pumps has a G1/4" pressure & return connection and a manual release valve. |

| Name | Part number | Working pressure MPa | Eff. oil volyme cm ³ | Capacity cm ³ /min | | Air pressure MPa min | Length mm | Width mm | Height mm | Weight kg |
|--------------|-------------|-------------------------|------------------------------------|----------------------------------|---------------|----------------------------|--------------|-------------|--------------|--------------|
| | | | | Low-pressure | High-pressure | | | | | |
| PP70-2500FP | 50000 | 70/700 | 2500 | 1150 | 260 | 0.65/6.5 | 355 | 209 | 187 | 10.1 |
| PP70-2500RC | 50001 | 70/700 | 2500 | 1070 | 200 | 0.65/6.5 | 355 | 209 | 175 | 10.8 |
| PP70-2500MLD | 50002 | 70/700 | 2500 | 1150 | 260 | 0.65/6.5 | 355 | 209 | 214 | 10.5 |
| PP70-2500MRV | 50003 | 70/700 | 2500 | 1150 | 260 | 0.65/6.5 | 355 | 209 | 171 | 9.8 |
| PP80-2500FP | 50004 | 80/800 | 2500 | 760 | 170 | 0.6/6 | 355 | 209 | 187 | 10.1 |
| PP80-2500RC | 50005 | 80/800 | 2500 | 710 | 130 | 0.6/6 | 355 | 209 | 175 | 10.8 |
| PP80-2500MLD | 50006 | 80/800 | 2500 | 760 | 170 | 0.6/6 | 355 | 209 | 214 | 10.5 |
| PP80-2500MRV | 50007 | 80/800 | 2500 | 760 | 170 | 0.6/6 | 355 | 209 | 171 | 9.8 |
| PP100-2500FP | 50008 | 100/1000 | 2500 | 760 | 100 | 0.65/6.5 | 355 | 209 | 187 | 10.8 |
| PP100-2500RC | 50009 | 100/1000 | 2500 | 710 | 80 | 0.65/6.5 | 355 | 209 | 175 | 11.5 |

Note: The hydraulic connection interface on all PP - pumps is constituted by a G1/4" threaded port.

Air inlet interface on the RC & MRV versions are constituted by a G1/4" port.

Air inlet interface on the FP & MLD versions are constituted by a NPT1/4" port.

All pumps can be equipped with a pressure gauge. For pumps with valve option RC/MLD/MRV we recommend pressure gauge AMT801. For pumps with valve option FP we recommend pressure gauge AMT801 and gauge adaptor ATM214.

All PPxx-2500 series pumps are available in a pre-mounted version with hydraulic hose, Quick coupling AQ17 and Swivel coupling ASE10. Please contact you local REHOBOT representative to obtain the correct part number for PPxx-2500 equipped with these options.



CYLINDERS – PERFORMANCE IN A LIMITED SPACE!

REHOBOT cylinders are designed to withstand rough handling in harsh environments. Their use are highly varied. The cylinders can be used wherever there is something which needs to be pulled, pushed or lifted.

REHOBOT's cylinders are used worldwide and in all possible environments. Some examples can be found within the engineering, automotive, mining and petrochemical industries.

The standard range of products is rich with cylinders of different strokes and capacity. We also provide a wide range of accessories extending the use of the cylinders.

We are happy to tailor the cylinders to our customers' needs. Something that enables flexible and cost effective solutions with virtually unlimited lifting capacity. The cylinders are an effective tool for all use ranging from small precision work to lifting of 500-ton bridge sections.

Our designs are based on more than 70 years of experience within the field of hydraulics. The results are cylinders which are easy to repair and service - saving

time and money, thus providing a low total cost of ownership for the user. The pistons on our cylinders are hard chromed, making them resistant to wear and free of rust. The quality and performance of REHOBOT's products ensure long term tangible benefits. - Our cylinders simply last for generations!

The choice of the cylinder is normally selected by the working operation, pressure range, stroke and boundary dimensions of the cylinder. Considerations when selecting the cylinder for a specific application should also be given to the available range various accessories like extension tubes, pressure heads etc. All to make the most out of the hydraulic solution.

When an existing hydraulic equipment is available, the selection of cylinder preferably become based on the existing equipment's pressure range. All to deliver the greatest flexibility and overall economy.

REHOBOT - CYLINDERS FEATURES

- Hard chromed pistons, making them resistant to wear and free of rust.
- Galvanized cylinders for increased corrosion resistance.
- Mechanical stoppage of the piston movement.

QUICK COUPLING ON ALL CYLINDERS

- An AQU8 (male) quick coupling is normally mounted on all cylinders on delivery.
- AQI24 quick coupling (female) can be equipped during manufacturing. In such cases shall a "P" be added to the product designation, e.g. CF104P.

CF/CFU - SINGLE ACTING PUSH CYLINDER WITH SPRING RETURN

CF cylinders are workhorses in REHOBOT's cylinder range. They can be used for a variety of purposes. The cylinders are prepared for accessories to be connected at the piston top or at the bottom of the cylinder. The CF - cylinders can easily be mounted in applications by the use of its collar mounting threads.

- High strength alloy steel design for multi purpose use.
- 5 to 25 ton capacity with 127mm - 300 stroke length.
- Removable grooved piston cap & chromated piston rods.

CFU - series have an extended piston pin in order to be used for instance for clevis fitting etc.



| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Stroke volume cm ³ | Piston rod ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|---------|-------------|--------------|-----------------|-----------|-------------------------------|-----------------|-----------------------------|-------------|-----------|-----------|
| CF104 | 27485 | 70 | 49 (5) | 127 | 90 | 26.5 | 7.1 | 37.5 | 266 | 1.7 |
| CF204 | 27486 | 70 | 49 (5) | 200 | 142 | 26.5 | 7.1 | 37.5 | 339 | 2.4 |
| CF110 | 43829 | 70 | 111 (11) | 150 | 239 | 38 | 15.9 | 56.5 | 321 | 4.7 |
| CF210 | 43830 | 70 | 111 (11) | 200 | 318 | 38 | 15.9 | 56.5 | 372 | 5.5 |
| CF310 | 43831 | 70 | 111 (11) | 300 | 477 | 38 | 15.9 | 56.5 | 474 | 7 |
| CF120 | 24178 | 70 | 232 (24) | 127 | 422 | 60 | 33.2 | 84 | 337 | 10.2 |
| CF220 | 24973 | 70 | 232 (24) | 200 | 664 | 60 | 33.2 | 84 | 410 | 12.4 |
| CF320 | 24974 | 70 | 232 (24) | 300 | 996 | 60 | 33.2 | 84 | 510 | 16 |
| CFU2010 | 43837 | 70 | 111 (11) | 200 | 318 | 38 | 15.9 | 56.5 | 387 | 5.3 |
| CFU2510 | 43838 | 70 | 111 (11) | 250 | 398 | 38 | 15.9 | 56.5 | 437 | 6 |

CFA - ALUMINIUM PUSH CYLINDERS WITH SPRING RETURN

REHOBOT push cylinders in the CFA series have a capacity between 23 & 50 ton. The aluminium material provides superior performance in the relation between capacity and weight (about 50% more power per kilo compared with similar cylinders made of steel). The cylinders are manufactured out of high strength aluminium which gives it a much longer life compared with similar products on the market.

- 23 to 100 ton capacity.
- 100mm to 200mm stroke length.
- Anodised cylinder & piston for increased wear & corrosion protection.

CFA cylinders are delivered with a top lip and a protective bottom plate of steel. All to warrant proper function even if the base and lifting points are rough.

NOTE! These cylinders are designed for general service and maintenance applications. Should your application require high cycle repetitive use, please contact REHOBOT to discuss your application.



| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|-------------|-------------|--------------|-----------------|-----------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CFA250-100 | 48978 | 70 | 232 (24) | 100 | 332 | 60 | 33.2 | 100 | 212 | 4.4 |
| CFA250-200 | 48980 | 70 | 232 (24) | 200 | 664 | 60 | 33.2 | 100 | 312 | 5.9 |
| CFA500-100 | 47153 | 70 | 496 (51) | 100 | 709 | 85 | 70.9 | 140 | 224 | 9.2 |
| CFA500-200 | 47160 | 70 | 496 (51) | 200 | 1418 | 85 | 70.9 | 140 | 324 | 12.7 |
| CFA750-100 | 47185 | 70 | 727 (74) | 100 | 1039 | 100 | 103.9 | 170 | 235.5 | 14 |
| CFA750-200 | 47186 | 70 | 727 (74) | 200 | 2078 | 100 | 103.9 | 170 | 335.5 | 18.3 |
| CFA1000-100 | 47163 | 70 | 929 (95) | 100 | 1327 | 110 | 132.7 | 190 | 243 | 18.4 |
| CFA1000-200 | 47171 | 70 | 929 (95) | 200 | 2655 | 110 | 132.7 | 190 | 343 | 24.7 |

CFC - COMPACT SINGLE ACTING, PUSH CYLINDERS WITH SPRING RETURN

CFC cylinders are real all-round cylinders. The design allows small dimensions and built in measurements. The cylinders are fitted with scrapers to keep the piston clean from dirt, always ensuring proper function in harsh environments.

- Wiper polyurethane, positioned so that dirt can not penetrate between the piston rod and cylinder
- Corrosion protection - plated piston rod and electroplated cylinder
- Collar mounting threads as standard.
- Optional base mounting holes at the bottom of the cylinder.



CFC cylinders are available in capacities between 5 to 100 tons. Models with 5 t, 10 t, 15 t and 25 tons capacity can be fitted with adapters for mounting of accessories such as pressure heads or chains, extending the use of the cylinder.

| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|----------|-------------|--------------|-----------------|-----------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CFC51 | 40184 | 70 | 49 (5) | 27 | 19 | 25 | 7 | 38 | 110 | 0.8 |
| CFC53 | 40186 | 70 | 49 (5) | 77 | 55 | 25 | 7 | 38 | 165 | 1.2 |
| CFC55 | 40188 | 70 | 49 (5) | 127 | 90 | 25 | 7 | 38 | 216 | 1.5 |
| CFC57 | 40190 | 70 | 49 (5) | 181 | 128 | 25 | 7 | 38 | 273 | 1.9 |
| CFC59 | 40192 | 70 | 49 (5) | 232 | 165 | 25 | 7 | 38 | 324 | 2.2 |
| CFC101 | 40235 | 70 | 111 (11) | 25 | 40 | 38 | 16 | 57 | 90 | 1.5 |
| CFC102 | 40237 | 70 | 111 (11) | 54 | 86 | 38 | 16 | 57 | 121 | 2 |
| CFC104 | 40239 | 70 | 111 (11) | 105 | 167 | 38 | 16 | 57 | 171 | 2.7 |
| CFC106 | 39849 | 70 | 111 (11) | 155 | 247 | 38 | 16 | 57 | 247 | 4 |
| CFC108 | 39850 | 70 | 111 (11) | 206 | 328 | 38 | 16 | 57 | 298 | 4.6 |
| CFC1010 | 39851 | 70 | 111 (11) | 257 | 409 | 38 | 16 | 57 | 349 | 5.3 |
| CFC1012 | 39852 | 70 | 111 (11) | 305 | 485 | 38 | 16 | 57 | 400 | 6 |
| CFC1014 | 39853 | 70 | 111 (11) | 356 | 566 | 38 | 16 | 57 | 451 | 6.8 |
| CFC151 | 40264 | 70 | 166 (17) | 25 | 59 | 48 | 24 | 70 | 124 | 3 |
| CFC152 | 40266 | 70 | 166 (17) | 51 | 121 | 48 | 24 | 70 | 149 | 3.5 |
| CFC154 | 40268 | 70 | 166 (17) | 101 | 240 | 48 | 24 | 70 | 200 | 4.5 |
| CFC156 | 39881 | 70 | 166 (17) | 152 | 361 | 48 | 24 | 70 | 272 | 6.5 |
| CFC158 | 39882 | 70 | 166 (17) | 203 | 482 | 48 | 24 | 70 | 322 | 7.5 |
| CFC1510 | 39883 | 70 | 166 (17) | 254 | 603 | 48 | 24 | 70 | 373 | 8.5 |
| CFC1512 | 39884 | 70 | 166 (17) | 305 | 725 | 48 | 24 | 70 | 424 | 9.5 |
| CFC1514 | 39885 | 70 | 166 (17) | 356 | 846 | 48 | 24 | 70 | 475 | 10.9 |
| CFC251 | 39940 | 70 | 232 (24) | 25 | 83 | 60 | 33 | 85 | 140 | 5.1 |
| CFC252 | 39941 | 70 | 232 (24) | 51 | 169 | 60 | 33 | 85 | 165 | 5.9 |
| CFC254 | 39942 | 70 | 232 (24) | 101 | 335 | 60 | 33 | 85 | 216 | 7.7 |
| CFC256 | 39943 | 70 | 232 (24) | 159 | 528 | 60 | 33 | 85 | 273 | 9.7 |
| CFC258 | 39944 | 70 | 232 (24) | 209 | 694 | 60 | 33 | 85 | 324 | 11.5 |
| CFC2510 | 39945 | 70 | 232 (24) | 260 | 863 | 60 | 33 | 85 | 375 | 13.3 |
| CFC2512 | 39946 | 70 | 232 (24) | 311 | 1032 | 60 | 33 | 85 | 426 | 15 |
| CFC2514 | 39947 | 70 | 232 (24) | 362 | 1201 | 60 | 33 | 85 | 476 | 17 |
| CFC502 | 40292 | 70 | 496 (51) | 53 | 376 | 80 | 71 | 127 | 176 | 16 |
| CFC504 | 40294 | 70 | 496 (51) | 104 | 737 | 80 | 71 | 127 | 227 | 19 |
| CFC506 | 40296 | 70 | 496 (51) | 159 | 1127 | 80 | 71 | 127 | 282 | 23 |
| CFC5013 | 40298 | 70 | 496 (51) | 337 | 2389 | 80 | 71 | 127 | 460 | 35 |
| CFC756 | 40344 | 70 | 727 (74) | 155 | 1610 | 100 | 104 | 146 | 282 | 30 |
| CFC7513 | 40345 | 70 | 727 (74) | 333 | 3459 | 100 | 104 | 146 | 492 | 48 |
| CFC1006 | 40388 | 70 | 929 (95) | 168 | 2230 | 100 | 133 | 175 | 359 | 54 |
| CFC10010 | 40389 | 70 | 929 (95) | 260 | 3451 | 100 | 133 | 175 | 450 | 65 |



CL - LOW PUSH CYLINDERS, GRAVITY RETURN

- Compact design for limited space applications.
- Prepared with mounting holes at bottom for fastening.
- Replaceable reinforced pressure cap.

CL-cylinders are ideal for those who need a compact installation dimensions. Holes in cylinder bottom makes them easy to integrate into the application.

| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|---------|-------------|--------------|-----------------|-----------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CL50-25 | 35680 | 70 | 49 (5) | 25 | 18 | 26 | 7.1 | 39 | 60 | 0.7 |

CLF - LOW PUSH CYLINDERS WITH SPRING RETURN

CLF cylinders are the right choice for those who need flexible cylinders with small dimensions. With capacities ranging from 5 tons to 200 tons makes them suitable for lifting and other for purposes. Threaded mounting holes make them easy to integrate into various applications.

The CLF series are REHOBOT's smallest cylinder series - CLF50-10 reach an height of only 37 mm, but with an incredible 5-ton lifting capacity. Cylinders CLF670-45 and CLF1100-40 are equipped with a removable handles to facilitate their handling.



| Name | Part Number | Pressure MPa | Capacity kN (t) | Stroke mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|------------|-------------|--------------|-----------------|-----------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CLF50-10 | 35132 | 70 | 50 (5) | 10 | 7.1 | 24 | 7.1 | 60 | 37 | 0.6 |
| CLF110-10 | 35133 | 70 | 111 (11) | 10 | 15.9 | 35 | 15.9 | 80 | 43 | 1.5 |
| CLF110-30 | 47067 | 70 | 111 (11) | 28 | 44.5 | 35 | 15.9 | 65 | 75 | 1.8 |
| CLF220-13 | 35320 | 70 | 218 (22) | 13.5 | 42.1 | 50 | 31.2 | 100 | 50 | 2.6 |
| CLF220-50 | 37553 | 70 | 218 (22) | 50 | 156 | 50 | 31.2 | 85 | 107 | 3.9 |
| CLF220-25 | 50450 | 70 | 218 (22) | 25 | 78 | 50 | 31.2 | 96 | 65 | 3.25 |
| CLF450-15 | 35305 | 70 | 445 (45) | 15 | 95.4 | 60 | 63.6 | 134 | 68 | 6.4 |
| CLF450-40 | 47071 | 70 | 445 (45) | 40 | 254.4 | 60 | 63.6 | 120 | 120 | 8.8 |
| CLF670-15 | 35413 | 70 | 665 (68) | 15 | 142.5 | 80 | 95 | 146 | 78 | 9.2 |
| CLF670-45 | 47075 | 70 | 665 (68) | 45 | 427.5 | 80 | 95 | 146 | 130 | 14.3 |
| CLF1100-15 | 35166 | 70 | 1078 (110) | 15 | 231 | 100 | 154 | 180 | 90 | 17 |
| CLF1100-40 | 47079 | 70 | 1078 (110) | 40 | 616 | 100 | 154 | 180 | 140 | 23.7 |
| CLF1500-15 | 35485 | 70 | 1498 (153) | 15 | 321 | 125 | 214 | 220 | 100 | 28 |
| CLF2000-16 | 35490 | 70 | 1985 (202) | 16 | 454 | 140 | 284 | 250 | 110 | 40 |



HYDRAULIC HOSES

Our original hose is a black polyamide / polyurethane hose with steel reinforcement. The surface provides good abrasion resistance and long life.

See accessories catalogue for more information on the hoses and other accessories.



QUICK COUPLINGS

Swivel couplings can be installed on either pump, cylinders or on the hydraulic tools.

When using the swivel a variable/rotating (360 °) coupling between the pump and hose is achieved.

CPF - PULL CYLINDERS

CPF cylinders are pulling cylinders of 5 tons or 11 tons capacity. They are part of REHOBOT push and pull kits having threads on the piston top and cylinder bottom for attachment of accessories.

- Piston and cylinder case have threads as standard for fitting of accessories or mounting.

CPF cylinders are used, for example when reshaping welded structures.



| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|--------|-------------|--------------|-----------------|-----------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CPF705 | 27300 | 70 | 45 (5) | 125 | 80 | 20 | 6 | 48 | 412 | 2.4 |
| CPF709 | 27280 | 70 | 110 (11) | 127 | 199 | 32 | 16 | 70 | 436 | 5.9 |

CSF - STAINLESS STEEL SINGLE ACTING PUSH CYLINDERS WITH SPRING RETURN

- CSF-cylinders are available with 11 ton (13*) to 88 (100*) tons capacity and with 50 to 200 mm stroke length.
- Designed to compensate oblique loads better than conventional cylinders.
- Manufactured in stainless steel with hard chromatid piston.
- Collar mounting threads as standard.

All CSF - cylinders are equipped with spring return, wiper and quick coupling. Model CSF350 has also a carrying handle mounted on the cylinder frame.

*CSF-series are approved for working pressures up to 80 MPa (800 bar).



| Name | Part number | Pressure MPa | Capacity kN (t) at 70MPa | Capacity kN (t) at 80MPa | Stroke mm | Stroke vol. cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|------------|-------------|--------------|--------------------------|--------------------------|-----------|-----------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CSF110-50 | 45092 | 80 | 111 (11) | 127 (13) | 50 | 80 | 45 | 15,9 | 58 | 134 | 2,3 |
| CSF110-100 | 45094 | 80 | 111 (11) | 127 (13) | 100 | 159 | 45 | 15,9 | 58 | 184 | 3,0 |
| CSF110-150 | 45096 | 80 | 111 (11) | 127 (13) | 150 | 238 | 45 | 15,9 | 58 | 234 | 3,7 |
| CSF220-25 | 45098 | 80 | 218 (22) | 249 (25) | 25 | 78 | 63 | 31,2 | 80 | 115 | 3,7 |
| CSF220-50 | 45100 | 80 | 218 (22) | 249 (25) | 50 | 156 | 63 | 31,2 | 80 | 140 | 4,4 |
| CSF220-100 | 45102 | 80 | 218 (22) | 249 (25) | 100 | 312 | 63 | 31,2 | 80 | 190 | 5,9 |
| CSF220-150 | 45104 | 80 | 218 (22) | 249 (25) | 150 | 467 | 63 | 31,2 | 80 | 240 | 7,3 |
| CSF220-200 | 45106 | 80 | 218 (22) | 249 (25) | 200 | 623 | 63 | 31,2 | 80 | 290 | 8,7 |
| CSF350-50 | 45108 | 80 | 352 (36) | 402 (41) | 50 | 241 | 80 | 50,2 | 105 | 146 | 8,5 |
| CSF350-100 | 45110 | 80 | 352 (36) | 402 (41) | 100 | 502 | 80 | 50,2 | 105 | 196 | 11,0 |
| CSF350-200 | 45112 | 80 | 352 (36) | 402 (41) | 200 | 1005 | 80 | 50,2 | 105 | 296 | 15,6 |
| CSF550-50 | 45114 | 80 | 550 (56) | 628 (64) | 50 | 393 | 100 | 78,5 | 130 | 160 | 14,0 |
| CSF550-100 | 45116 | 80 | 550 (56) | 628 (64) | 100 | 785 | 100 | 78,5 | 130 | 210 | 17,7 |
| CSF550-200 | 45118 | 80 | 550 (56) | 628 (64) | 200 | 1570 | 100 | 78,5 | 130 | 310 | 24,9 |
| CSF860-50 | 45120 | 80 | 859 (88) | 982 (100) | 50 | 613 | 125 | 122,6 | 160 | 183 | 23,7 |
| CSF860-100 | 45122 | 80 | 859 (88) | 982 (100) | 100 | 1227 | 125 | 122,6 | 160 | 233 | 28,9 |
| CSF860-200 | 45124 | 80 | 859 (88) | 982 (100) | 200 | 2453 | 125 | 122,6 | 160 | 333 | 39,3 |



CH/CHF - SINGLE ACTING STEEL HOLLOW BORE CYLINDERS

CH / CHF hollow cylinders can via the through-hole be used for both push or pull operations. For example, by inserting a rod through the cylinder, the compression force permit the cylinder to be used for pulling operations.

CH / CHF cylinders have a capacity of 6 tons to 51 tons and is very compact in its exterior dimensions. This makes them suitable for integration into applications.

CH62 has a gravity return & CHF62 cylinder has a spring return function.

| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Hollow diameter mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|-------|-------------|--------------|-----------------|-----------|--------------------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CH62 | 42503 | 70 | 61 (6) | 51 | 17 | 44.7 | 30 | 8.8 | 55 | 110 | 1.6 |
| CHF62 | 45244 | 70 | 61 (6) | 51 | 17 | 44.7 | 30 | 8.8 | 55 | 136 | 2 |

CHFA - SINGLE ACTING ALUMINIUM HOLLOW BORE CYLINDERS

CHFA series consists of cylinders made of aluminium. This makes the products up to 50% lighter than comparable models made out of steel. Due to its construction, hollow cylinders can be used for both push and pull operations. For example, by inserting a rod through the cylinder, the compression force also be used for pulling operations.

CHFA cylinders are available with capacities between 13 ton to 103 ton and stroke lengths up to 153 mm.

NOTE! These cylinders are designed for general service and maintenance applications. Should your application require high cycle repetitive use, please contact REHOBOT to discuss your application.



| Name | Part number | Pressure MPa | Capacity kN (t) | Stroke mm | Hollow diameter mm | Stroke volume cm ³ | Piston ø mm | Piston area cm ² | Diameter mm | Height mm | Weight kg |
|----------|-------------|--------------|-----------------|-----------|--------------------|-------------------------------|-------------|-----------------------------|-------------|-----------|-----------|
| CHFA132 | 45862 | 70 | 123 (13) | 52 | 22 | 92 | 40 | 17.6 | 80 | 165 | 2.3 |
| CHFA136 | 46602 | 70 | 123 (13) | 153 | 22 | 270 | 40 | 17.6 | 80 | 310 | 4 |
| CHFA182 | 46621 | 70 | 176 (18) | 51 | 26 | 128 | 45 | 25.1 | 94 | 171 | 3 |
| CHFA184 | 46622 | 70 | 176 (18) | 102 | 26 | 256 | 45 | 25.1 | 94 | 246 | 4 |
| CHFA262 | 46641 | 70 | 255 (26) | 51 | 32 | 186 | 60 | 36.4 | 115 | 180 | 4.9 |
| CHFA266 | 46642 | 70 | 255 (26) | 153 | 32 | 557 | 60 | 36.4 | 115 | 323 | 8.7 |
| CHFA372 | 46661 | 70 | 358 (36) | 51 | 39 | 261 | 70 | 51.2 | 136 | 189 | 6.9 |
| CHFA376 | 46662 | 70 | 358 (36) | 153 | 39 | 784 | 70 | 51.2 | 136 | 327 | 12 |
| CHFA504 | 47733 | 70 | 508 (52) | 104 | 51 | 756 | 80 | 72.7 | 160 | 276 | 14.7 |
| CHFA673 | 46681 | 70 | 659 (67) | 77 | 54 | 726 | 100 | 94.2 | 185 | 250 | 18 |
| CHFA676 | 46682 | 70 | 659 (67) | 153 | 54 | 1442 | 100 | 94.2 | 185 | 350 | 25 |
| CHFA1003 | 46701 | 70 | 1010 (103) | 77 | 66 | 1111 | 120 | 144.3 | 227 | 284 | 29 |
| CHFA1006 | 46702 | 70 | 1010 (103) | 153 | 66 | 2208 | 120 | 144.3 | 227 | 391 | 40 |

LS & LSS - HYDRAULIC HOSES

High Pressure Hose (2800 - 6250 bar burst pressure) - is a polyamide / polyurethane hose with steel reinforcement. Polyurethane provides good abrasion resistance and a lifetime exceeding other standard rubber hoses on the market. The hoses are delivered with with 2 seals (part no. 17009).

NOTE! We recommend that you always dimension by 3-4 fold margin of safety between the hydraulic systems maximum working pressure and burst pressure of the hose.



High pressure hoses (2800 - 6250 bar burst pressure)

| Name | Length mm | ø Inner/Outer mm | Connection thread | Working pressure MPa/bar | Burst pressure MPa/bar | |
|----------|-----------|------------------|-------------------------|--------------------------|------------------------|--|
| LS51ES | 500 | 6,3/13,5 | G1/4" | | | |
| LS101ES | 1000 | 6,3/13,5 | G1/4" | | | |
| LS151ES | 1500 | 6,3/13,5 | G1/4" | | | |
| LS201ES | 2000 | 6,3/13,5 | G1/4" | | | |
| LS251ES | 2500 | 6,3/13,5 | G1/4" | 70/700 | 280/2800 | |
| LS301ES | 3000 | 6,3/13,5 | G1/4" | | | |
| LS401ES | 4000 | 6,3/13,5 | G1/4" | | | |
| LS501ES | 5000 | 6,3/13,5 | G1/4" | | | |
| LS1001ES | 10000 | 6,3/13,5 | G1/4" | | | |
| LSS103EB | 1000 | 4,7/11,5 | G1/4" ¹⁾ | | | |
| LSS203EB | 2000 | 4,7/11,5 | G1/4" ¹⁾ | 150/1500 | 450/4500 | |
| LSS303EB | 3000 | 4,7/11,5 | G1/4" ¹⁾ | | | |
| LS204ER | 2000 | 4,7/13 | 9/16" UNF ²⁾ | 240/2400 | 625/6250 | |
| LS304ER | 3000 | 4,7/13 | 9/16" UNF ²⁾ | | | |

1) One side equipped with a swivel connection.

2) Delivered with 9/16" UNF internal thread and a 60° external sealing cone.

Highly flexible hydraulic hoses

This is a black rubber hose reinforced with two layers of braided steel reinforcement. The hose is well-suited for flexible installations. The hose are delivered with two seals.

| Name | Length mm | ø Inner/Outer mm | Connection thread | Work pressure MPa/bar | Burst pressure MPa/bar | |
|---------|-----------|------------------|-------------------|-----------------------|------------------------|--|
| LS150ES | 1500 | 6,3/15,5 | G1/4" | | | |
| LS200ES | 2000 | 6,3/15,3 | G1/4" | | | |
| LS250ES | 2500 | 6,3/15,5 | G1/4" | 70/700 | 160/1600 | |
| LS350ES | 3000 | 6,3/15,5 | G1/4" | | | |
| LS500ES | 5000 | 6,3/15,5 | G1/4" | | | |

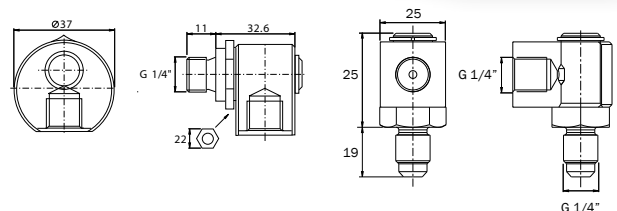
ASE - SWIVEL COUPLINGS

| Name | Connection thread | Max. working pressure |
|-------|-------------------|-----------------------|
| ASE10 | G1/4" | 80 MPa / 800 bar |
| ASE15 | G1/4" | 150 MPa / 1500 bar |

Swivel couplings can be mounted to both cylinders, pumps or other hydraulic tools. By means of the swivel coupling you get an flexible connection between pump/tool and hose. This means more flexible operation of the tools, especially in combined spaces.

Swivel couplings can rotate 360° - even under pressure. ASE10 is delivered with one seal (17009).

ASE15 does not require additional sealing when mounted on a hydraulic unit with conical connection interface.



ASE10

ASE15

AQ - QUICK COUPLINGS

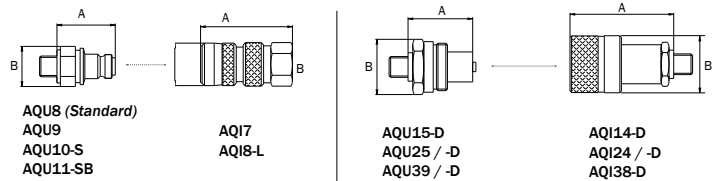
All quick couplings from REHOBOT have a check valve and are supplied with seals and protection caps made of metal or plastic.

- Insert and screw type couplings.
- Interchangeable with many other brands on the market.



Protection caps prevent contamination of the hydraulic system. Screw type couplings permit a higher flow rate than insert type couplings.

COUPLING & SUITABLE COUNTER COUPLINGS



| Name | Type | Male | Female | Max. pressure MPa/bar | Int. thread | Ext. thread | Locking ring | A mm | B mm | Flow l/min*** | Dust protection | | |
|------------|--------|------|--------|--------------------------|----------------|----------------|-----------------|---------|---------|------------------|-----------------|-------------|---|
| | | | | | | | | | | | Standard | Alternative | |
| AQI7 | Insert | | • | 100/1000 | G 1/4" | (1) | | 60 | 27 | 6 | TDP26 | - | |
| AQI8-L | | | • | 100/1000 | G 1/4" | (1) | • | 60 | 27 | 6 | TDM26 | - | |
| AQU8 | | | • | 100/1000 | (2) | G 1/4" | | 39 | 25 | 6 | TDP23 | TDM23 | |
| AQU10-S* | | | • | 100/1000 | (2) | G 1/4" | | 40,5 | 25 | 6 | TDP23 | TDM23 | |
| AQU11-SB** | | | • | 100/1000 | (2) | G 1/4" | | 40,5 | 25 | 6 | TDP23 | TDM23 | |
| AQI14-D | Screw | | • | 100/1000 | | NPT 1/4" | • | 48,5 | 30 | 15 | TDM14 | - | |
| AQU15-D | | | • | 100/1000 | | NPT 1/4" | | 34 | 30 | 15 | TDM15 | - | |
| AQI24 | | | • | 100/1000 | (3) | G 1/4" | • | 72 | 36 | 35 | TDP24 | - | |
| AQI24-D | | | • | 100/1000 | (3) | G 1/4" | • | 72 | 36 | 35 | TDM24 | - | |
| AQU25 | | | • | 100/1000 | (3) | G 1/4" | | 52 | 35,5 | 35 | TDP25 | - | |
| AQU25-D | | | • | 100/1000 | (3) | G 1/4" | | 52 | 35,5 | 35 | TDM25 | - | |
| AQI38-D | | | • | 100/1000 | | NPT 3/8" | | • | 68 | 36 | 35 | TDM24 | - |
| AQU39 | | | • | 100/1000 | | NPT 3/8" | | | 39 | 35,5 | 35 | TDP25 | - |
| AQU39-D | | | • | 100/1000 | | NPT 3/8" | | | 39 | 35,5 | 35 | TDM25 | - |

1) Addition of nipple AAU436 gives G1/4" external thread.
2) Removal of nipple AAU436 gives G1/4" internal thread.
3) Addition of nipple AA1456 gives G1/4" internal thread.

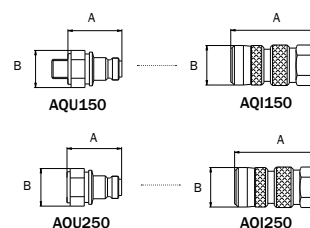
* Coupling AQU10-S has a built-in hose rupture valve.
** Coupling AQU11-SB has a built-in flow restriction/check valve.
*** Flow rate at 0,4 MPa(4 bar) pressure drop.

TDP = Plastic dust protection
TDM = Metal dust protection

AQ - QUICK COUPLINGS (ULTRA-HIGH PRESSURES)

Ultra high pressure systems puts high demands on the quality of the used components. We recommend that you always use REHOBOT approved accessories be selected when working with ultra high pressures.

- Quick couplings up to 250 MPa.



| Name | Type | Male | Female | Max. pressure. MPa/bar | Int. thread | Ext. thread | A mm | B mm | Flow l/min** | Dust protection |
|--------|--------|------|--------|---------------------------|----------------|----------------|---------|---------|-----------------|-----------------|
| AQI150 | Insert | | • | 150/1500 | G 1/4"* | (3) | 60 | 27 | 6 | Plastic |
| AQI250 | | | • | 250/2500 | G 1/4"* | (2) | 64 | 30 | 4,6 | Plastic |
| AQU150 | | | • | 150/1500 | (1)* | G 1/4" | 62,5 | 25 | 6 | Plastic |
| AQU250 | | | • | 250/2500 | G 1/4"* | (2) | 55,3 | 25 | 4,6 | Plastic |

1) Removal of nipple AAU436 gives G1/4" internal thread with 120° sealing cone.
2) Adapter is required: AAU241, AAU242 or AAU243
3) Addition of nipple AAU436 gives G1/4" external thread.
* Female thread with internal 120° sealing cone
** Flow rate is measured at 0,4 MPa(4 bar) pressure drop

AAE / TX - COUPLING NIPPLES

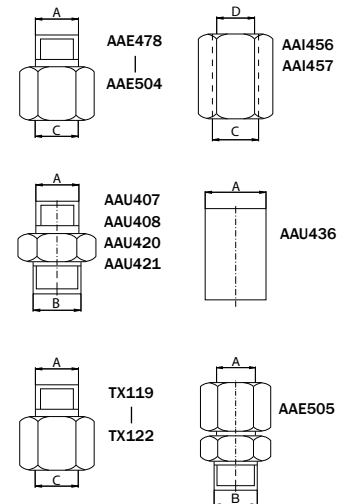
Coupling nipples from REHOBOT Hydraulics for hydraulic systems guarantee connectivity. The nipples can be used to adjust the thread dimensions of cylinders, hoses or ports.



Note! Please observe that seals are not included in (advise the table below to find the appropriate seal for your coupling nipple).

| Name | Max. pressure MPa | A Ext. thread | B Ext. thread | C Int. thread | D Int. thread | Seal type (see below) |
|---------|-------------------|------------------|------------------|------------------|------------------|--------------------------|
| AAE478 | 80 | G 1/4" | - | G 3/8" | - | A = 2 C = 3 |
| AAE482 | | G 3/8" | - | G 1/4" | - | A = 3 C = 2 |
| AAE487 | 100 | G 1/2" | - | G 1/4" | - | A = 4 C = 2 |
| AAE497 | | NPTF 3/8"-18 | - | G 1/4" | - | A = - C = 2 |
| AAE498 | | G 1/4" | - | NPTF 1/4"-18 | - | A = 2 C = - |
| AAE499 | 80 | G 1/4" | - | NPTF 3/8"-18 | - | A = 2 C = - |
| AAE502 | 150 | G 1/4" | - | G 1/4" | - | A = 2 C = 2 |
| AAE504 | | G 1/4" | - | G 1/4" | - | A = 2 C = 2 |
| AAE505* | | G 1/4" | - | G 1/4" | - | A = 2 C = 2 |
| AAI456 | 80 | - | - | G 1/4" | G 1/4" | C = 2 D = 2 |
| AAI457 | | - | - | G 1/4" | G 3/8" | C = 2 D = 3 |
| AAU407 | 100 | G 1/4" | G 3/8" | - | - | A = 2 B = 3 |
| AAU408 | | G 1/4" | G 1/2" | - | - | A = 2 B = 4 |
| AAU420 | | G 1/4" | NPTF 1/4"-18 | - | - | A = 2 B = - |
| AAU421 | | G 1/4" | NPTF 3/8"-18 | - | - | A = 2 B = - |
| AAU436 | 150 | G 1/4" | - | - | - | A = 2 |
| TX119 | 100 | KR 3/8" | - | G 1/4" | - | A = - B = 2 |
| TX120 | 80 | G 1/8" | - | KR 3/8" | - | A = 1 B = - |
| TX121 | 100 | G 1/8" | - | G 1/4" | - | A = 1 B = 2 |
| TX122 | | G 1/4" | - | G 1/8" | - | A = 2 B = 1 |

*AAE505 - Coupling nipple with swiveling function (before tightening).



Accessories for 150 MPa systems

Hydraulic system operating at 1500 bar or more can be dangerous if the systems are not sealed properly.

Even if all components individually are approved for 1500 bar or more, there are other factors to consider.

Everything for the safe use of ultra high hydraulic systems.

Contact us for more information!

SEALS

| Seal type | Part no | For thread |
|-----------|----------|---------------------------------|
| 1 | 01044650 | G ¹ / ₈ " |
| 2 | 17009 | G ¹ / ₄ " |
| 3 | 16217 | G ³ / ₈ " |
| 4 | 14192 | G ¹ / ₂ " |

To ensure a proper sealing should the seal type be selected in accordance with the table above. This ensures a hydraulic system without leakage.

TY - HYDRAULIC OIL

| Name | Volyme liter | Oil grade |
|------|--------------|-----------|
| TY41 | 1 | ISO VG10 |
| TY45 | 5 | ISO VG10 |

Hydraulic oil of high quality guarantees excellent functionality of your hydraulic system.

Oil grade ISO VG10 or better should always be used with REHOBOT products.



AB / AF / ATI - MANIFOLD BLOCKS

If you look to build or develop sophisticated hydraulic systems, manifold blocks can be considered a vital component.

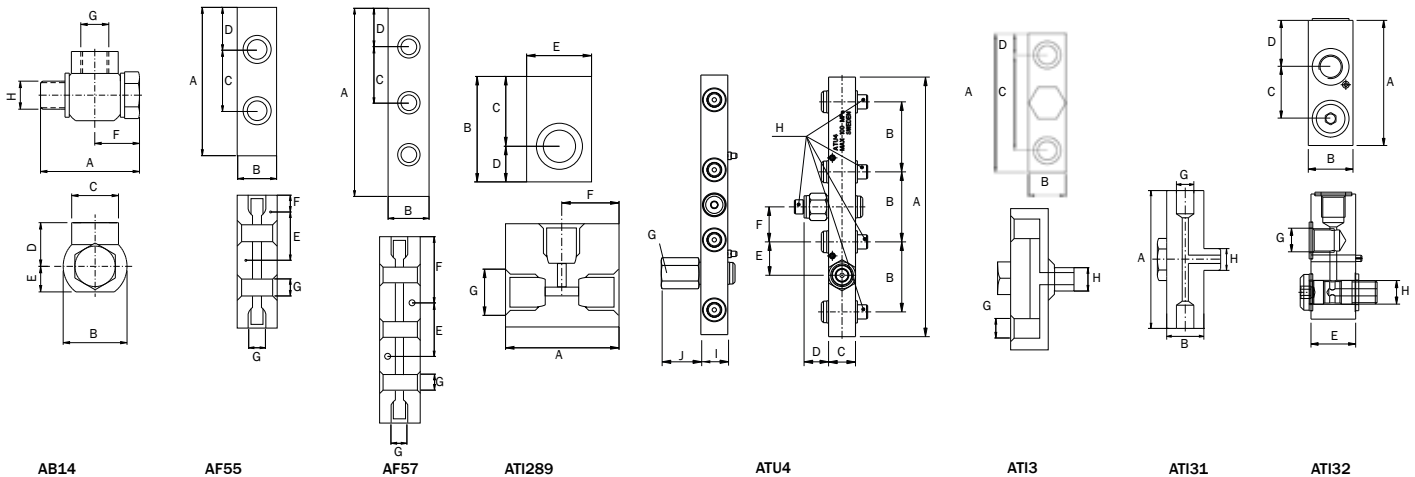
The manifold block is used to distribute the hydraulic flow over several individual ports in order to use the same pump for one or more hydraulic tools or cylinders.



Note: In order to plug any unused holes, use plug part number 16536 and seal with part number 17009. The seal is also used for sealing

| Name | Max. pressure MPa/bar | Number of ports | A mm | B mm | C mm | D mm | E mm | F mm | G Int. thread | H Ext. thread | I | J |
|--------|--------------------------|--------------------|---------|---------|---------|---------|---------|---------|------------------|------------------|----|----|
| AB14 | 100/1000 | 2 | 45 | 30 | 22 | 20,5 | 12 | 21 | G 1/4" | G 1/4" | - | - |
| AF55 | | 6 | 100 | 30 | 40 | 30 | 40 | 10 | G 1/4" | - | - | - |
| AF57 | | 8 | 140 | 30 | 40 | 30 | 40 | 50 | G 1/4" | - | - | - |
| ATI289 | | 3 | 45 | 40 | 27 | 13 | 25 | 22,5 | G 1/4" | - | - | - |
| ATU4* | 150/1500 | 5 | 241 | 65 | 25 | 23 | 31 | 32,5 | G 1/2" | G 1/4" | 25 | 37 |
| ATI3 | | 3 | 85 | 25 | 60 | 12,5 | - | - | G 1/4" | G 1/4" | - | - |
| ATI31 | | 3 | 85 | 25 | - | - | - | - | G 1/4" | G 1/4" | - | - |
| ATI32 | | 3 | 70 | 25 | 29 | 15 | 25 | - | G 1/4" | G 1/4" | - | - |
| AF41 | 300/3000 | 4 | | | | | | | G 1/4" | - | - | - |

*ATU4 - Additional G1/2" port for gauge assembly.



AB14

AF55

AF57

ATI289

ATU4

ATI3

ATI31

ATI32



DUAL LIFTING

Manifold blocks are a necessity for many advanced applications in high pressure hydraulics, such as the lifting of two or more cylinders.

With accessories from REHOBOT, you always get parts that fit your equipment at 100%.

MULTIPLE HYDRAULIC PORTS

Gauge adaptor AAM14 used for gauge type TX103 and TX104 can be mounted directly on the manifold blocks.

In order to plug any unused G1/4" hole, use plug part no. 16536 with seal part no. 17009.

The seal is also used for sealing between holes in manifold blocks and hoses.

VALVES OVERVIEW

REHOBOT offers many different type of valves. Ranging from shut-off valves, with regulating functions, directional valves and other valves for safety purposes.

Note! Seals are always included for valves with trough hollow screw i.e. VAD2 & VAT3.


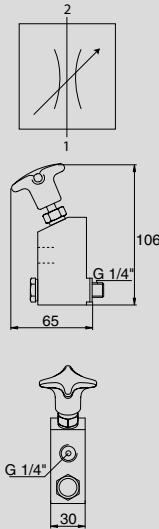
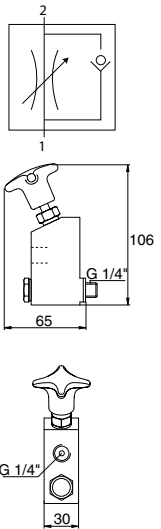
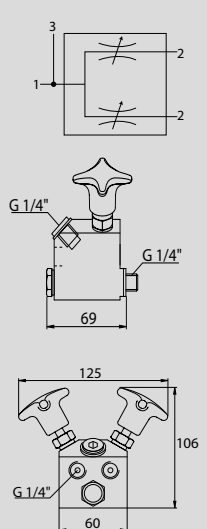
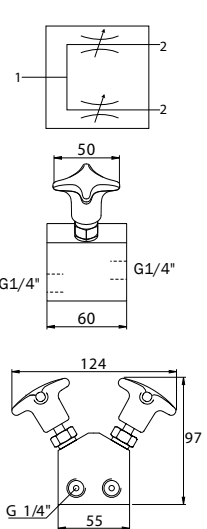
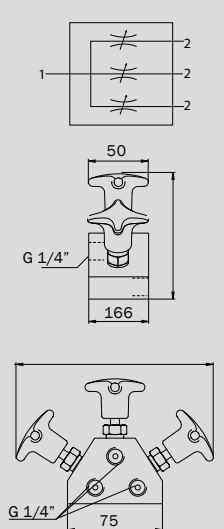
Valve types without needs to be supplemented with seals.

For thread G 1/4" use part number 17009.



VA/ VAD / VAT - SHUT OF VALVES

| Name | VA14 | VAB114 | VAD22 | VAD2 | VAT3 |
|------------------------|--|--|--|-------------------|-------------------|
| Max pressure MPa/bar | 100/1000 | 80/800 | 80/800 | 80/800 | 80/800 |
| Special function | - | Built in ball valve on/off function. | Built in gauge port | - | - |
| Mounting principle | Fixed mounting on hydraulic unit via G1/4" | Fixed mounting on hydraulic unit via G1/4" | Fixed mounting on hydraulic unit via G1/4" | For hose assembly | For hose assembly |
| Number of outlet ports | 1 | 1 | 2 + Gauge port ⁽¹⁾ | 2 | 3 |

| | | | | | |
|--|---|---|---|---|---|
|  VA14 |  |  |  |  |  |
|--|---|---|---|---|---|

1) - Gauge adaptor AAM14 is required to fit additional pressure gauges!



SHUT-OFF VALVE

VAD22 mounted on a hydraulic pump model PP70-2500RC.

VAD22s shut-off valve increases the usability of the pump by dividing the hydraulic flow into two separate ports.



GAUGES & ADAPTOR

Pump PH70-600 equipped with a pressure gauge AMT801 & gauge adaptor AVM204, used for display of the hydraulic pressure.

Several different units on the gauges can be supplied by REHOBOT.

VR / VRH - DIRECTIONAL VALVES

VR / VRF - PRESSURE REGULATING VALVES

| Name | VR42 | VRH43 |
|----------------------|--------|--------|
| Max pressure MPa/bar | 80/800 | 80/800 |
| Hold function | - | Yes |

| Name | VR30 | VRF31 | VR150* |
|----------------------|------------|------------------|--------------------------|
| Max pressure MPa/bar | 70/700 | 80/800 | 150/1500 |
| Comment | Adjustable | Preset at 80 MPa | Adjustable ¹⁾ |

Note! Please observe that seals are not included. For thread G 1/4" we recommend seal with part number 17009.

Note! Please observe that seals are not included. For thread G 1/4" we recommend seal part number 17009 and for thread G 1/2" we recommend seal part no 14192.

* - Especially designed for hand pumps in the PHS-series.
1) - Adjustable pressure between 50 - 150 MPa.

VS - SAFETY VALVE

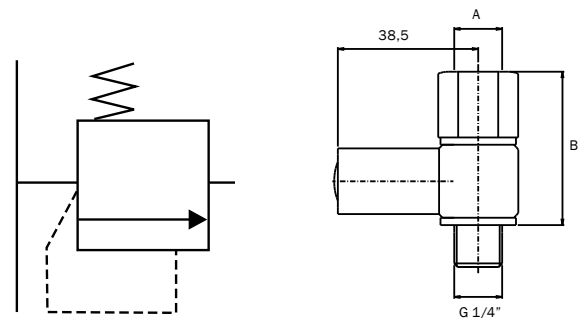
| Name | Preset pressure MPa | A Int. thread | B mm |
|----------|---------------------|---------------|------|
| VS14-90 | 90 - 95 | G 1/4" | 42 |
| VS14-100 | 100 - 105 | G 1/4" | 42 |



A safety valve is a useful component for preventing excessive pressures in a hydraulic system. These valves are primarily designed for use on the return side of double acting hydraulic cylinders, and are preset at the factory for maximum pressure as shown in the table. The preset pressure must NOT be changed!

- Preset pressure at 95 or 105 MPa.
- Prevents your hydraulic system from pressure overload.

Note! If the preset pressure is exceeded then oil will leak out. You must therefore ensure that the user is protected against pressurised oil. Always install the safety valve in an enclosure or protected area.



AMP / AMT / AMZ / TX - PRESSURE GAUGES

Gauges permit visual monitoring of the force and/or pressure generated by a hydraulic pump. This helps prevent accidental overloading and contributes to prolonging the life of your hydraulic equipment.

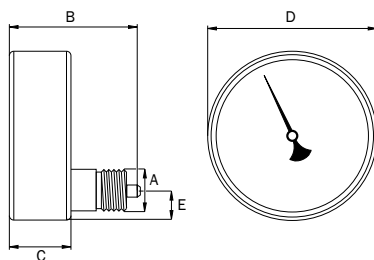
AMT801 and TX104 are fluid-damped gauge models which are recommended if there is a risk of pressure surges. Gauges with customised scales can be supplied on request.

Note! REHOBOT may provide calibrated pressure gauges upon request. Please contact you REHOBOT distributor prior to ordering such gauges.

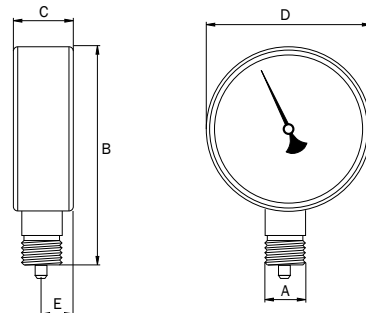


| Name | Number of scales | Measurement range | Scale division | Piston diameter mm | Piston area cm ² | A mm | B mm | C mm | D mm | E mm |
|--------|------------------|-------------------|----------------|--------------------|-----------------------------|---------|------|------|------|------|
| AMP651 | 5 | -40 kN | 2 kN | 30 45 65 | 7 16 33 | G 1/2" | 137 | 45 | 100 | 18 |
| | | -100 kN | 10 kN | | | | | | | |
| | | -200 kN | 10 kN | | | | | | | |
| | | -70 MPa | 2 MPa | | | | | | | |
| | | -10000 psi | 500 psi | | | | | | | |
| AMP652 | 5 | -400 kN | 20 kN | 90 110 140 | 64 95 154 | G 1/2" | 137 | 45 | 100 | 18 |
| | | -600 kN | 50 kN | | | | | | | |
| | | -1000 kN | 50 kN | | | | | | | |
| | | -70 MPa | 2 MPa | | | | | | | |
| | | -10000 psi | 500 psi | | | | | | | |
| AMT650 | 2 | -100 MPa | 2 MPa | | | G 1/2" | 137 | 45 | 100 | 18 |
| | | -14000 psi | 500 psi | | | | | | | |
| AMT151 | 2 | -160 MPa | 5 MPa | | | M20x1,5 | 76,5 | 45 | 112 | 24 |
| | | -23000 psi | 500 psi | | | | | | | |
| AMT301 | 2 | -310 MPa | 10 MPa | | | M20x1,5 | 76,5 | 45 | 112 | 24 |
| | | -45000 psi | 1000 psi | | | | | | | |
| AMT801 | 2 | -100 MPa | 5 MPa | | | G 1/4" | 50 | 28,5 | 60 | 15 |
| | | -15000 psi | 1000 psi | | | | | | | |
| AMZ50 | 2 | -800 kN | 20 kN | 100 | 79 | G 1/2" | 137 | 45 | 100 | 18 |
| | | -80 ton | | | | | | | | |
| AMZ250 | 2 | -24 ton | 1 ton | 65 | 33,1 | G 1/2" | 137 | 45 | 100 | 18 |
| | | -700 bar | 20 bar | | | | | | | |
| TX102 | 3 | -4 ton | 1 ton | 30 45 | 7 16 | G 3/8" | 130 | 45 | 100 | 18 |
| | | -10 ton | 1 ton | | | | | | | |
| | | -600 bar | 50 bar | | | | | | | |
| TX104* | 2 | -160 MPa | 5 MPa | | | G 1/4" | 50 | 30 | 62 | 9 |
| | | -20000 psi | 1000 psi | | | | | | | |

AMT151
AMT301
AMT801
TX104



AMP651
AMP652
AMT650
AMZ50
AMZ150
AMZ250
TX102



AAM / AVM / TX / ATM - GAUGE ADAPTOR

Whatever combination of pump and gauge you might have, we can offer the right adapter. Gauge adapters AAM201, AVM202 and TX111 have swiveling connection threads for gauge connection.

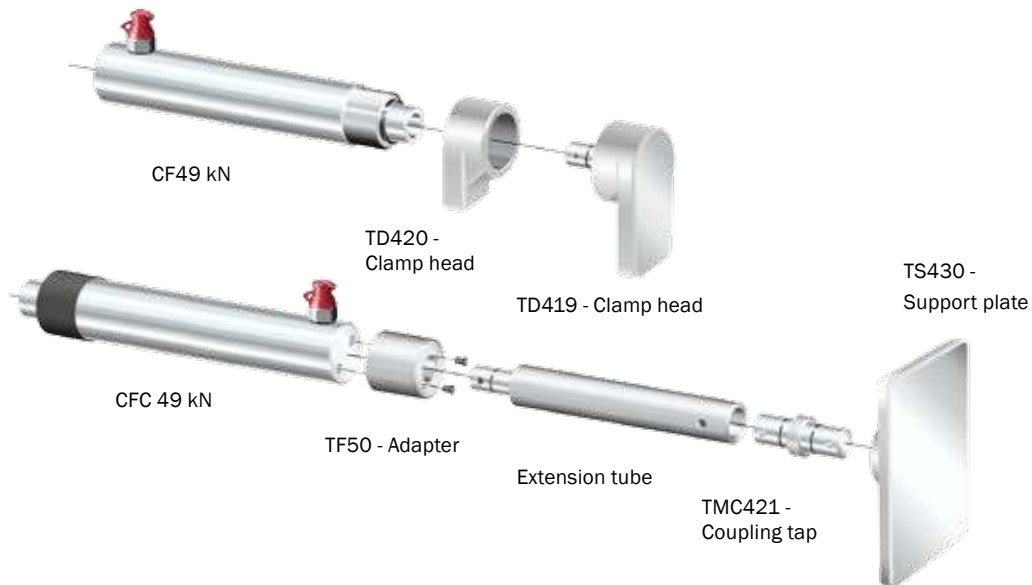
Note! All gauge adaptors are supplied with proper seals up on delivery except AAM14 which require an additional seal part number 17009.



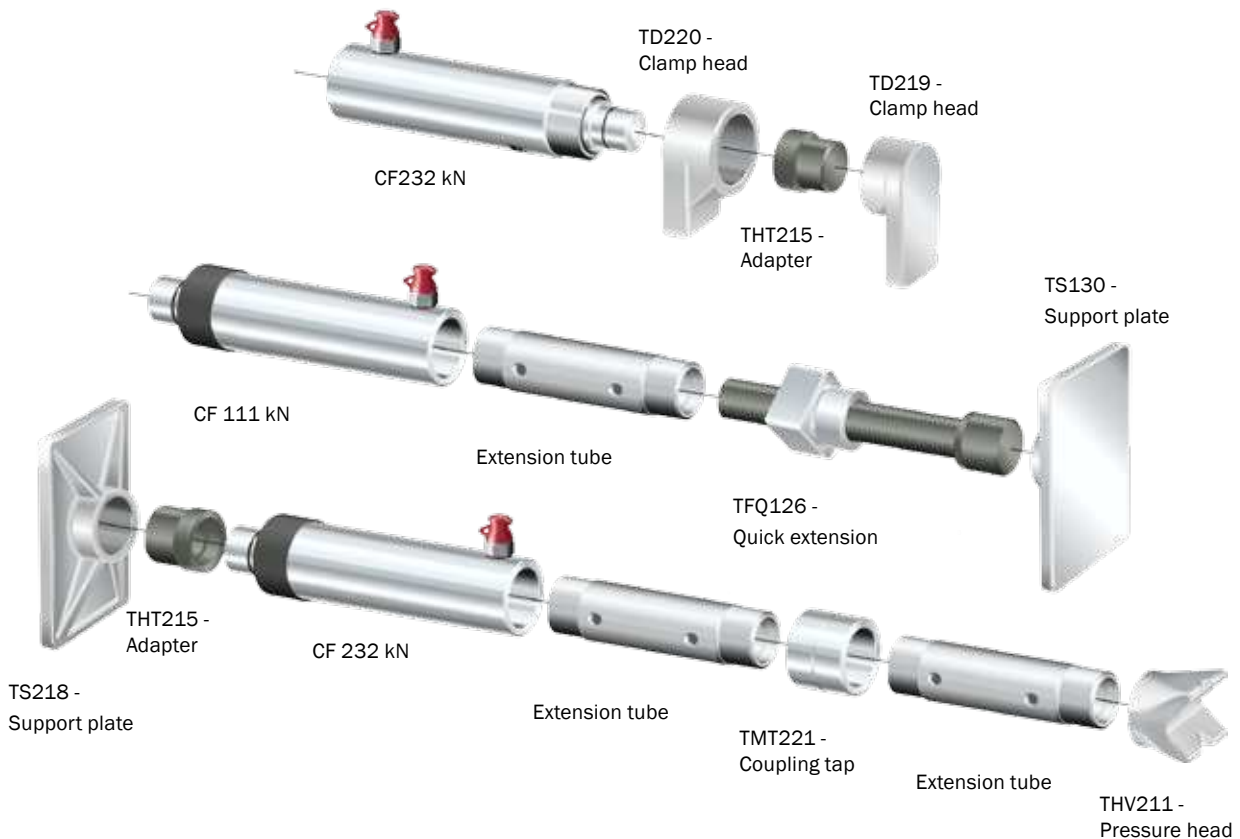
| Name | For perssure gauge | Ext. thread A | Int. thread B | Int. thread C | Max. pressure MPa/bar | |
|--------|---|---------------|---------------|---------------|-----------------------|--|
| AAM14 | AMT801, TX104 | G 1/4" | - | G 1/4" | 150/1500 | |
| AAM201 | AMP651, AMP652, AMT650, AMZ50, AMZ150, AMZ250 | G 1/4" | - | G 1/2" | 100/1000 | |
| AVM202 | AMP651, AMP652, AMT650, AMZ50, AMZ150, AMZ250 | G 1/4" | G 1/4" | G 1/2" | 100/1000 | |
| AVM204 | AMT801, TX104 | G 1/4" | G 1/4" | G 1/4" | 150/1500 | |
| TX111 | TX102 | G 1/4" | G 1/4" | G 3/8" | 80/800 | |
| ATM214 | AMT801, TX104 | G 1/4" | G 1/4" | G 1/4" | 100/1000 | |

ACCESSORIES FOR CF & CFC - SERIES

For CF / CFC cylinders (49 kN)



For CF / CFC cylinders (111 & 232 kN)



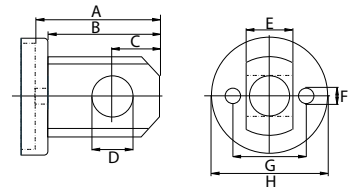
Cylinders within the CF and CFC series are general purpose cylinders. Both series includes a wide range of products with respect to various stroke lengths and product performance. The series are prepared to be equipped with several different accessories extending the use of the cylinders.

In order to connect accessories to the base plate of CFC cylinders, adapter TG50 (for 5 ton CFC cylinders), TFG100 (for 10 ton CFC cylinders) or TFG250 (for 25 ton CFC cylinders) are required.

TCF - CLEVIS EYE

For CFC - cylinders, used for adapting the cylinder base

- Making CFC-cylinders flexible and suitable for push & pull applications.
- Suitable for CFC cylinders 49 kN - 232 kN.

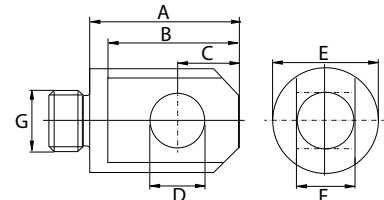


| Name | For cylinder type | A | B | C | D | E | F | G | H | J |
|--------|-------------------|----|-------|-------|-------|------|------|----|------|------|
| | | mm | mm | mm | ø mm | mm | ø mm | mm | ø mm | ø mm |
| TCF50 | 49 kN/5 ton | 48 | 41,5 | 16 | 16 | 14,2 | 7 | 25 | 44,5 | 29 |
| TCF100 | 111 kN/10 ton | 67 | 60,5 | 25,5 | 22,35 | 25,4 | 8,5 | 40 | 63,5 | 43 |
| TCF150 | 166 kN/15 ton | 67 | 60,5 | 25,5 | 22,35 | 25,4 | 10 | 48 | 77 | 43 |
| TCF250 | 232 kN/25 ton | 80 | 73,25 | 31,75 | 31,75 | 38,1 | 13,5 | 59 | 95 | 57 |

TKF - CLEVIS EYE

For CFC - cylinders used for adapting the cylinder piston

- Making CFC - cylinders flexible and suitable for push & pull applications.
- Suitable for CFC cylinders 49 kN - 232 kN.

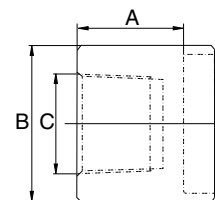


| Name | For cylinder type | A | B | C | D | E | F | G |
|--------|------------------------------|------|------|------|-------|------|------|--------------|
| | | mm | mm | mm | ø mm | ø mm | ø mm | |
| TKF50 | 49 kN/5 ton | 41,5 | 34 | 16 | 16 | 29 | 14,2 | 3/4"-16 UNF |
| TKF100 | 111 kN/10 ton, 166 kN/15 ton | 62 | 54 | 25,5 | 22,35 | 43 | 25,4 | 1"-8 UNC |
| TKF250 | 232 kN/25 ton | 74,5 | 66,5 | 31,8 | 31,75 | 57 | 38,1 | 1 1/2"-16 UN |

TF / TFG - ADAPTER

For CFC - cylinders, used for adapting the cylinder base

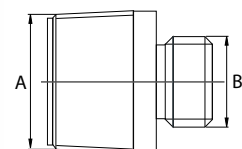
| Name | For cylinder type | A | B | C |
|--------|-------------------|------|------|-------------------|
| | | mm | ø mm | |
| TF50 | 49 kN/5 ton | 39 | 44,5 | ø 19 mm |
| TFG50 | 49 kN/5 ton | 39 | 44,5 | 3/4"-14 NPT |
| TFG100 | 111 kN/10 ton | 45 | 65 | 1 1/4"-11 1/2 NPT |
| TFG250 | 232 kN/25 ton | 50,5 | 98 | 2"-11 1/2 NPT |



THT - ADAPTER

For CFC - cylinders, used for adapting the cylinder piston

| Name | For cylinder type | A | B |
|---------|-------------------|-------------------|--------------|
| THT50 | 49 kN/5 ton | 3/4"-14 NPTF | 3/4"-16 UNF |
| THT100* | 111 kN/10 ton | 1 1/4"-11 1/2 NPT | 1"-8 UNC |
| THT250 | 232 kN/25 ton | 2"-11 1/2 NPT | 1 1/2"-16 UN |



PRESSURE HEADS & EXTENSION TUBES

For CF & CFC cylinders

REHOBOT has a wide range of pressure heads for lifting, straightening or other operations.

Note! The maximal allowable extension varies per cylinder capacity. When using extension tubes there is a risk of cracking of the extension tubes. Extensions also reduces the capacity of the cylinder. See the graphic below for more information.



TH - PRESSURE HEADS

| Name | Description | Connction |
|---|---|-----------------------|
| <i>For cylinders CF 49 kN/5 ton</i> | | |
| TH414 | Pressure head, plain | Tap Ø 19 mm |
| THG413 | Pressure ball ø 3" | Hole Ø 19 mm |
| THK412 | Pressure head, pointed | Tap Ø 19 mm |
| THR415 | Pressure head, grooved | Tap Ø 19 mm |
| THV411 | Pressure head V-notched | Tap Ø 19 mm |
| <i>For cylindrar CF & CFC ¹⁾ 111 kN/10 ton</i> | | |
| TH117 | Pressure head, plain | Int. NPT 1 1/4-11 1/2 |
| THG113 | Pressure ball ø 3" | Int. NPT 1 1/4-11 1/2 |
| THK112 | Pressure head, pointed | Int. NPT 1 1/4-11 1/2 |
| THR114 | Pressure head, grooved | Int. NPT 1 1/4-11 1/2 |
| THT115 | Pressure head, ext. thread NPT 1 1/4-11 1/2 | Hole Ø 32 mm |
| THV111 | Pressure head V-notched | Int. NPT 1 1/4-11 1/2 |
| THV118 | Pressure head V-notched | Int. NPT 1 1/4-11 1/2 |
| <i>For cylinder CF & CFC ²⁾ 232 kN/25 ton</i> | | |
| THK212 | Pressure head, pointed | Int. NPT 2-11 1/2 |
| THR214 | Pressure head, grooved | Int. NPT 2-11 1/2 |
| THT215 | Pressure head ext. thread NPT 2-11 1/2 | Hole Ø 48 mm |
| THV211 | Pressure head, V-notched | Int NPT 2-11 1/2 |

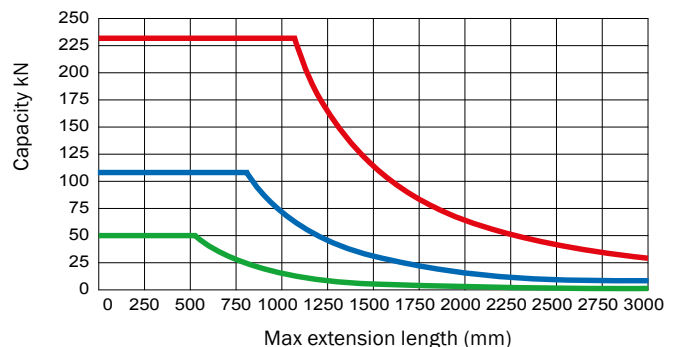
1) - CFC-series require adapter THT100
2) - CFC-series require adapter THT150

TFP - EXTENSION TUBES

| Name | Length mm | Hollow |
|--|-----------|------------------|
| <i>For cylinder CF & CFC ¹⁾ 49 kN/5 ton</i> | | |
| TFP401 | 76 | ø 19 |
| TFP402 | 127 | ø 19 |
| TFP403 | 254 | ø 19 |
| TFP404 | 381 | ø 19 |
| TFP405 | 551 | ø 19 |
| <i>For cylinder CF & CFC ²⁾ 111 kN/10 ton</i> | | |
| TFP101 | 76 | NPT 1 1/4-11 1/2 |
| TFP102 | 127 | NPT 1 1/4-11 1/2 |
| TFP103 | 254 | NPT 1 1/4-11 1/2 |
| TFP104 | 381 | NPT 1 1/4-11 1/2 |
| TFP105 | 585 | NPT 1 1/4-11 1/2 |
| TFP106 | 510 | NPT 1 1/4-11 1/2 |
| TFP107 | 760 | NPT 1 1/4-11 1/2 |
| <i>For cylinder CF & CFC ³⁾ 232 kN/25 ton</i> | | |
| TFP203 | 254 | NPT 2-11 1/2 |
| TFP204 | 508 | NPT 2-11 1/2 |
| TFP205 | 762 | NPT 2-11 1/2 |

1) - CFC-series require adapter TF50
2) - CFC-series require adapter TFG100
3) - CFC-series require adapter TFG250

PERMISSIBLE EXTENSION FOR CF- & CFC - CYLINDERS



■ 232 kN CF/CFC ■ 111 kN CF/CFC ■ 49 kN CF/CFC






OTHER ACCESSORIES

For CF & CFC cylinders

The accessories expand the usable range of the cylinder. Permitting the cylinder to be used for:











- Pushing applications
- Pulling applications








| | Name | Connection |
|--|--|------------------|
| <i>For cylinders CF & CFC* 49 kN/5 ton</i> | | |
|  | TC428 Locking pin | - |
|  | TD419 Clamp head for piston (max 20kN) | Tap ø 19 mm |
|  | TD420 Clamp head for cylinder(max 20kN) | Int. UN 1 1/2-16 |
|  | TMC421 Coupling tap | Tap ø 19 mm |
|  | TS430 Support plate | Hole ø 19 mm |

* Accessories can be mounted on CFC - cylinder base by using adapter TF50

For cylinders CF & CFC 111 kN/10 ton*

| | | |
|---|--|--------------------------|
| | TC128 Locking pin | |
|  | TD119 Clamp head for piston (max 50 kN) | Int. NPT 1 1/4-11 1/2 |
|  | TD120 Clamp head for cylinder(max 50 kN) | Int. UN 2 1/4-14 |
|  | TMC121 Coupling tap | Tap ø 32 mm |
|  | TMT122 Coupling nipple | Ext. 2x NPT 1 1/4-11 1/2 |
|  | TMT124 Coupling nipple | Int. 2x NPT 1 1/4-11 1/2 |
|  | TK107 Chain with hook (2 m) | |
|  | TOK109 Chain yoke | Int. UN 2 1/4-14 |
|  | TS130 Support plate | Int. NPT 1 1/4-11 1/2 |
|  | TSM131 Support plate with articulated tap | Ext. NPT 1 1/4-11 1/2 |
|  | | |

* Accessories can be mounted on CFC - cylinder base by using adapter TFG100

| | Name | Connection |
|---|----------------------------|----------------------|
| <i>For cylinders CF & CFC* 232 kN/25 ton</i> | | |
|  | TC228 Locking pin | - |
| | | |
|  | TMC221 Coupling tap | Tapp ø 48 mm |
|  | TMT222 Coupling tap | Utv. 2x NPT 2-11 1/2 |
|  | TMT224 Coupling tap | Inv. 2x NPT 2-11 1/2 |
|  | TS218 Support plate | Inv. NPT 2-11 1/2 |

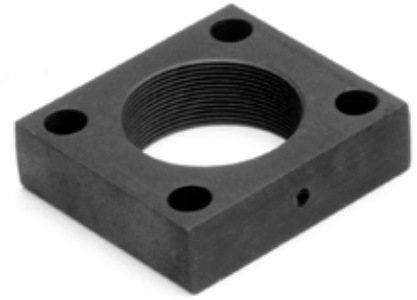
* Accessories can be mounted on CFC - cylinder base by using adapter TFG250



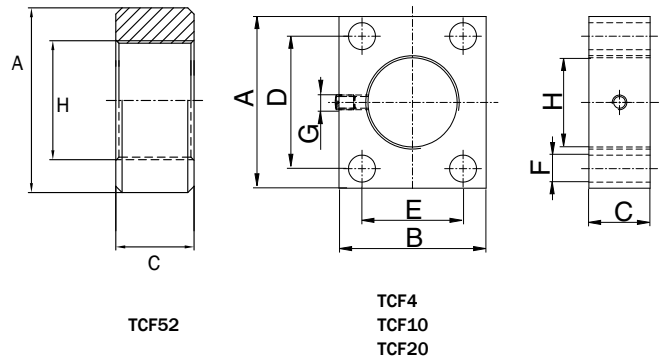
TCF - CYLINDER FIXING

For CF & CFC - cylinders

- Permitting a CF/CFC to be mounted on a machine part by screw holes.
- TCF52 is supplied without fastening holes and used for welding.
- Fits CF/CFC cylinders from 49 kN - 232 kN



| Name | TCF52 | TCF4 | TCF10 | TCF20 |
|---------------|---------------|-------------|-------------|--------------|
| For cylinders | 49 kN/5 t | 49 kN/5 t | 111 kN/10 t | 232 kN/25 t |
| A mm | ∅ 59 | 70 | 90 | 140 |
| B mm | - | 60 | 80 | 120 |
| C mm | 25 | 25 | 25 | 25 |
| D mm | - | 54 | 67,5 | 106 |
| E mm | - | 41,2 | 57,5 | 86 |
| F ∅ mm | - | 11 | 13 | 17 |
| G | - | M6 | M6 | M6 |
| H | 1 1/2" - 16UN | 1 1/2"-16UN | 2 1/4"-14UN | 3 5/16"-12UN |



BENCH PRESSES

For CFC - cylinders

Bench presses are easy to place and only require a limited space. They are suitable for light work operations such as pressing bearings or bushings.

Complete bench presses are available in two versions. A (ZHB10) with REHOBOT air hydraulic pump PP70-1000 and the second version (ZMB6) utilized with REHOBOT hydraulic hand pump PHS70-1000.

| Name | Capacity kN | Stroke mm | Weight kg |
|-------|-------------|-----------|-----------|
| ZHB10 | 111 | 305 | 47.5 |
| ZMB6 | 111 | 305 | 47.5 |

| Included parts | ZHB10 | ZMB6 |
|----------------|--------------|--------------|
| Pump | PHS70-1000 | PP70-1000 *) |
| Cylinder | CFC1012 | CFC1012 |
| Quick coupling | AQI7 | AQI7 |
| Hose | LS151ES | LS251ES |
| Gauge adaptor | AVM202 | AVM202 |
| Pressure gauge | AMP651 | AMP651 |
| Frame | ZB110 | ZB110 |
| V-block | TBV10 (2 st) | TBV10 (2 st) |

*) Required air pressure 6-12 bar.

| Name Accessories | Description |
|------------------|-------------|
| ZB110 | Press stand |
| TBV10 | V-block |



ACCESSORIES FOR CHF & CHFA - SERIES TH - SADDLES

For CHF & CHFA - cylinders

Accessory saddles for hollow cylinders type CHF and CHFA, 6 to 100 tonnes.

For pressing or lifting applications it is recommended to use the grooved solid saddles (THR). We also offer two more types; with inner metric (THM) and UN (THU) threads. The saddles THH are supplied as standard on all CHFA cylinders.



| Name | For cylinder | Inner dimension |
|-------|--------------|--------------------|
| THH6 | CH/CHF62 | ø17mm - standard |
| THM6 | CH/CHF62 | M16 |
| THU6 | CH/CHF62 | 5/8"-11 UNC |
| THR6 | CH/CHF62 | Solid with grooves |
| THH13 | CHFA132/136 | Ø22 mm - standard |
| THM13 | CHFA132/136 | M20 |
| THU13 | CHFA132/136 | 3/4"-10 UNC |
| THR13 | CHFA132/136 | Solid with grooves |
| THH18 | CHFA182/184 | Ø26 mm - standard |
| THM18 | CHFA182/184 | M24 |
| THU18 | CHFA182/184 | 1"-8 UNC |
| THR18 | CHFA182/184 | Solid with grooves |
| THH26 | CHFA262/266 | Ø32 mm - standard |
| THM26 | CHFA262/266 | M30 |

| Name | For cylinder | Inner dimension |
|--------|---------------|--------------------|
| THU26 | CHFA262/266 | 1 1/4"-7 UNC |
| THR26 | CHFA262/266 | Solid with grooves |
| THH37 | CHFA372/374 | Ø39 mm - standard |
| THM37 | CHFA372/374 | M36 |
| THU37 | CHFA372/374 | 1 3/8"-6 UNC |
| THR37 | CHFA372/374 | Solid with grooves |
| THH67 | CHFA673/676 | Ø54 - standard |
| THM67 | CHFA673/676 | M52 |
| THU67 | CHFA673/676 | 2"-4 UNC |
| THR67 | CHFA673/676 | Solid with grooves |
| THH100 | CHFA1003/1006 | Ø66 - standard |
| THM100 | CHFA1003/1006 | M64 |
| THU100 | CHFA1003/1006 | 2 1/2"-4 UNC |
| THR100 | CHFA1003/1006 | Solid with grooves |

TS - CYLINDER SUPPORT PLATE

For CHFA - cylinders

Cylinder support plates suitable for CHFA single acting aluminium hollow cylinders are made of steel and are used for protecting the cylinder base against damages. TS cylinder support plates should always be used when the cylinder base is placed against hard material. A support plate is a simple and cost effective way to protect your cylinder.







| Name | For cylinder kN | Weight kg |
|------|-----------------|-----------|
| TS13 | CHFA132/136 | 0,1 |
| TS18 | CHFA182/184 | 0,2 |
| TS26 | CHFA262/266 | 0,5 |

| Name | For cylinder kN | Weight kg |
|-------|-----------------|-----------|
| TS37 | CHFA372/376 | 0,7 |
| TS67 | CHFA673/676 | 1,5 |
| TS100 | CHFA1003/1006 | 2,8 |






ACCESSORIES FOR CPF - SERIES

For cylinder CPF705 (49 kN)

| | Name | Description | Connection |
|---|--------|-------------------|--|
|  | TB441 | Pull shackle | Int. NPT 3/4-14 |
|  | TBK410 | Shackle with bolt | - |
|  | TMT422 | Coupling nipple | Ext. 2x NPT 3/4-14 |
|  | TMT423 | Coupling nipple | Int. NPT 3/4-14 Ext. NPT 1 1/4-11 1/2 |



For cylinder CPF709 (111 kN)

| | Name | Description | Connections |
|---|--------|---------------------------|--------------------------|
|  | TB141 | Pull shackle | Int. NPT 1 1/4-11 1/2 |
|  | TBK110 | Shackle with bolt | - |
|  | TK107 | Chain with hook (2000 mm) | - |
|  | TMK127 | Chain attachment | Int. NPT 1 1/4-11 1/2 |
|  | TMT122 | Coupling nipple | Ext. 2x NPT 1 1/4-11 1/2 |



HYDRAULIC SPREADER

ESH, CS & HS - SERIES

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.

- Lifting machines or other heavy constructions.
- Prying loose stuck objects.
- Open closed doors.
- Fasten objects.
- Press profiles apart.

We recommend usage of pump model PP70-1000/LS201 or hand pump PHS70-1000/LS201 together with spreaders in the ESH & CS - series.



| Name | Part number | Spreader force kN (tip) | Working pressure MPa | Max. opening mm | Min height mm | Width mm | Weight kg |
|----------|-------------|----------------------------|-------------------------|--------------------|------------------|-------------|--------------|
| ESH 10 | 14507 | 9 | 70 | 85 | 8 | 46 | 1.8 |
| CS20-120 | 38362900 | 44 (20) | 80 | 120 | 9 | 65 | 5.4 |
| HS20-120 | 38911900 | 44 (20) | Integrated pump | 120 | 9 | 68 | 8.8 |

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 |



WORKSHOP EQUIPMENT – QUALITY FOR GENERATIONS!

REHOBOT's workshop equipment is user friendly and designed to cope with harsh in situ service conditions. The areas of use of the products are wide and may often be found in conjunction with service & maintenance on all kind of vehicles.

REHOBOT's lifting equipment is used worldwide and in all possible applications. Some examples are in the service of heavy and light vehicles, special lifts for trucks or for changing crawler on an excavator.

We are happy to tailor our products to our customers' needs. Something that always ensure a flexible and cost effective solution to our customers' lifting problems.

Our designs are based on our long experience in the field of hydraulics. The results are products which are easy to repair & service - saving time & money! The useable life of REHOBOT's products is always long. Our products provide power that will last for generations!

Trolley jacks - The product range includes traditional jacks with lifting capacities up to 2 tons. They are robustly constructed and easy to service. Our trolley jacks are

often used in connection with engineering works and REHOBOT's jacks are associated with a high level of safety.

Bottle jacks - With up to 20 tonnes lifting capacity can the bottle jacks in REHOBOT's range be used in automotive or related applications. The jacks are compact designed and suitable for storage in confined spaces.

Special Lifting - The product range includes devices for specific lifting applications. High stroke lengths, heavy loads or low and limited lifting points are some special cases that REHOBOT's lifting devices can be adapted to. The catalog shows some of the variants that evolved during our 80-year long history of the company.

Please contact us for further information or to discuss developing a special jack for your application.

REHOBOT'S PRODUCTS ARE

- High performance
- High quality & Service friendly
- Functional & Safe designed
- Ergonomical & Easy to use

SPECIAL EQUIPMENTS

- Transmission jacks for gears or engines
- Hydraulic ball joint extractors & spring compressors
- Special push & pull kits for bushing works

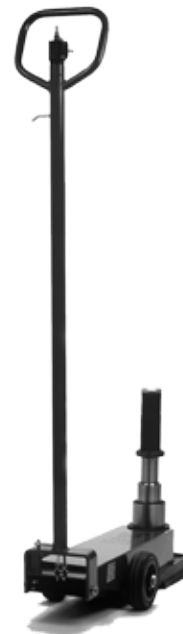
GTP - AIR/HYDRAULIC TELESCOPIC JACK

- 3-stage jack with 60 tons lifting capacity.
- Easy to manoeuvre with large rubber wheels.
- 617 mm maximal lifting height by a telescopic piston function.
- Extended handle length for good accessibility.

Capacity limitations: 1 - stage = 60 ton, 2 - stage = 30 ton, 3 - stage = 18 ton

A 200mm long extension rod are delivered with each GTP60 - unit. The rod is used to extend the lifting height of the GTP-60 product.

Note: GTP60 requires between 8 bar and 12 bar air pressure to function properly.



| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Extension mm | Hydraulic stroke mm | Req. air pressure MPa (bar) | Weight kg |
|-------|-------------|--------------|----------------|----------------|--------------|---------------------|-----------------------------|-----------|
| GTP60 | 43450 | 60 | 180 | 617 | 200 | 237 | 0.8 (8) | 70 |

16HN - HIGH PROFILE JACK

- Various usage for lifting, pressing or pushing applications.
- 1 ton lift capacity on the lifting ram and on top of the oil reservoir.
- 16HN can be equipped with accessories such as chains, hooks or S-rods.

The position of the lifting rod can be adjusted:
Min. lifting height = 105 mm, Max. lifting height = 495 mm (plus stroke length)

| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Stroke length mm | Weight kg |
|------|-------------|--------------|----------------|----------------|------------------|-----------|
| 16HN | 49085 | 1 | 720 | 1160 | 440 | 5.8 |



GHP2-2 - AIR POWERED HIGH LIFTING TROLLEY JACK

- High-lifting, enable good accessibility
- Protector, for safe and secure lifting.
- Air- or manually operated.

REHOBOT's trolley jacks are developed for professional use by professionals. Especially for users who value product quality and a low total cost of ownership of the jack. The GHP2-2 jack can quickly be put into operation as it comes with a manual foot lever to raise the jack into contact with the vehicle.

The release function is easily done by the release valve securely located inside the handle.



| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Length mm | Weight kg |
|--------|-------------|--------------|----------------|----------------|-----------|-----------|
| GHP2-2 | 37589 | 2 | 127 | 910 | 1510 | 74 |

BOTTLE JACKS

H - BOTTLE JACKS

- Low manual pumping force facilitates use in uncomfortable positions.
- Release valve permits safe, easy and precise control over speed of lowering.
- Filter in the oil reservoir protects against contamination.
- Extension screw for adjustment of lifting height.



| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Stroke length mm | Set screw mm | Weight kg |
|------|-------------|--------------|----------------|----------------|------------------|--------------|-----------|
| H20 | 43503 | 2 | 165 | 317 | 102 | 50 | 2.8 |
| H40 | 43504 | 4 | 180 | 366 | 116 | 70 | 4 |
| H60 | 43505 | 6 | 195 | 392 | 127 | 70 | 5 |
| H80 | 43506 | 8 | 200 | 400 | 130 | 70 | 6.2 |
| H100 | 43507 | 10 | 220 | 430 | 140 | 70 | 7.3 |
| H120 | 43508 | 12 | 220 | 440 | 140 | 80 | 8.5 |
| H150 | 43509 | 15 | 225 | 435 | 130 | 80 | 9.6 |
| H200 | 43510 | 20 | 240 | 465 | 145 | 80 | 13.6 |

AXLE STANDS

PB - MECHANICAL AXLE STANDS

- Step-less adjustment of lifting height.
- Tripoid designed structure guarantee stability & safety.
- Always delivered in pairs.

PB axle stands are rugged & stable axle stands in a new design creating a safe working environment. Using axel stands is very cost effective way to protect yourself & the lifted object. Securing the load by the use of axel stands are always recommend when working under any type of vehicle.

PB axle stands from REHOBOT comply with the high requirements of the National Swedish Board of Occupational Safety and Health.



| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Weight kg |
|-------|-------------|--------------|----------------|----------------|-----------|
| PB3-1 | 46346 | 3 | 324 | 519 | 5.9 |
| PB6-1 | 46347 | 6 | 374 | 605 | 8.8 |

SPECIAL JACKS

FLJ400 - HYDRAULIC TRUCK- & MACHINE JACK

- High lifting capacity and low minimum height.
- Adjustable lifting saddle for flat or uneven surfaces.
- Low weight, easy to transport.
- Release knob with hold-to-run control.



| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Width mm | Weight kg |
|---------|-------------|--------------|----------------|----------------|----------|-----------|
| FLJ400C | 47059 | 3.6 | 60 | 400 | 200 | 31 |

MM2000 - HYDRAULIC TRANSMISSION JACK

- Jig for securing load quickly and easily. Can easily be removed if required.
- Fast & versatile lifting plate can be adjusted forwards/backwards and sideways for precise positioning during fitting and removal.
- Capable of handling most types of gearboxes.



| Name | Part number | Capacity ton | Min. height mm | Max. height mm | Length mm | Width mm | Weight kg |
|--------|-------------|--------------|----------------|----------------|-----------|----------|-----------|
| MM2000 | 37601 | 1 | 210 | 880 | 1120 | 710 | 95 |



HTJ1200 - UNIVERSAL LIFTING SYSTEM

The modular construction methods now used in the automotive industry are placing new demands on workshop equipment. Vehicle parts such as motor blocks or rear axles have to be dismantled and mounted from below. With the HTJ1200 system, these heavy lifts can be done in a effective and controlled way.

The system is suitable for removing and fitting complete engine assemblies, rear axles, gearboxes, fuel tanks, exhaust systems and much more. With its lifting capacity of almost 550 kg, the HTJ1200 universal handling system comes with enough power for all kinds of jobs



- Saving time & cost

Work can be carried out by one person instead of several. Furthermore, additional repair jobs can be carried out directly on the working platform. Therefore, the system reduces the total working time for complete repairs.

Lifting is done pneumatically and hydraulically. With pneumatics the load can be raised or lowered quickly. The hydraulic lifting gives the operator higher control and precision of the lifting procedure.

REHOBOT's universal handling system is patented. The system is designed to meet today's and tomorrow's needs. Modification meeting the requirements of your car model may be supplied upon request.



Technical data

| | |
|--------------------------|---------------------|
| Name | HTJ1200-2 Universal |
| Part number | 43447 |
| Capacity | 545 kg |
| Height min./max. | 755 mm/1700 mm |
| Pneumatic stroke | 472 mm |
| Hydraulic stroke | 473 mm |
| Req. air pressure | 0.8 MPa (8 bar) |
| Length | 1050 mm |
| Width | 1050 mm |
| Weight | 76 kg |

Please contact REHOBOT to obtain item number in conjunction with your order of the HTJ-1200 system. We offer a wide selection of interface mechanics and kits adopting the HTJ to your type of vehicle model.



SECRETS OF THE HTJ - SYSTEM

The reason why the HTJ1200-system is so useful is due to the modular & robust design of the system.

Adaptors enable the same base unit of the HTJ to be used for each car model. Therefore the same base unit may be used independent of the car model and manufacturer. Thus creating a real generic lifting system!

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 | BR35-16 BR45-16 BR55-20 BR65-20 BR72-24 BR90/80-45 | 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.

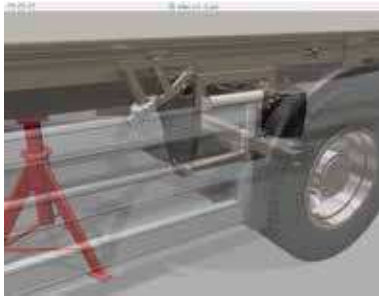


Removing the old bush and inserting a new on a DAF CF85 truck by the use of a EBH18 - kit simply the work. The operation can be performed in a safe and rapid manner.

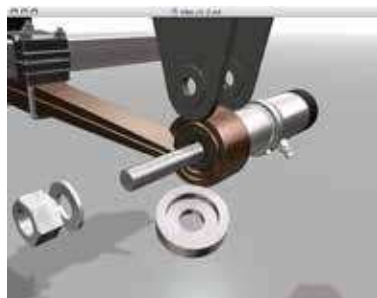
REHOBOT's EBH18 hydraulic spring eye bush replacement tools have been developed in conjunction with commercial vehicle manufacturers and vehicle workshop personnel to provide a lightweight, in situ time & labour saving solution for all makes & models of commercial vehicles.

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.

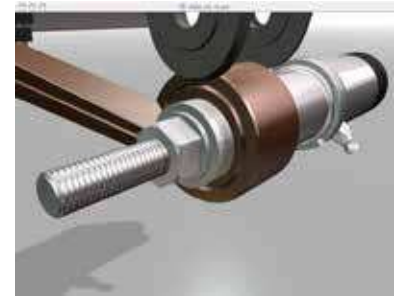
Sequence of operation using the EBH - kit



Step 1



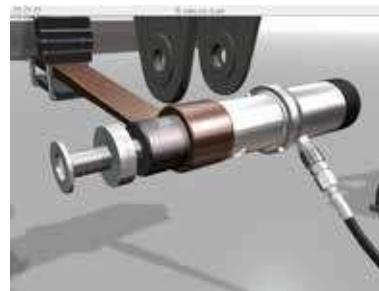
Step 2



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

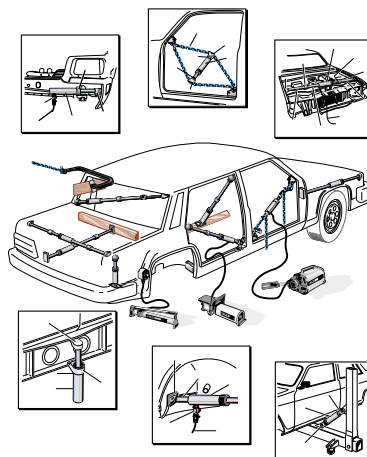
- A multi functional robust tool box for all maintenance jobs.
- 5, 11 or 23 ton capacity.
- Flexible tool kit for push or pull applications.
- Interconnects with many other REHOBOT accessories.
- Strong storage case.



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 | | | ● |
|  | TK107 | Chain with hook, L = 2000 mm | | | ● |
|  | TMK127 | Chain attachment for CPF705 & 709 | | | ● |
|  | TMT423 | Int. NPT 3/4-14, Ext. NPT 1 1/4-11 1/2 | | | ● |
|  | 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 | ● |
|  | 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.

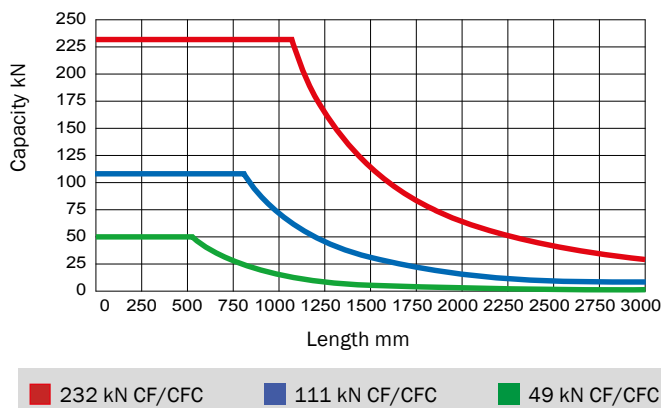


More comfort –
PP70B-1000/LS201



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 – PP70-1000



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 seized 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 |

REHOBOT®

MADE IN SWEDEN

POWER WITH HYDRAULICS

RESCUE EQUIPMENT

PRODUCT OVERVIEW



SAFETY

CUTTERS, SPREADERS, RESCUE PUMPS,
PIPE SEALING TOOLS, DOOR OPENERS,
RESCUE KITS, MANUAL TOOLS, RAMS



REHOBOT HYDRAULICS AB

Since 1924 we have developed, manufactured and marketed high-pressure hydraulic solutions for service & maintenance purposes. The products can be found within the areas covered by our three business areas, Industrial, Automotive and Rescue.

Our headquarter is situated in Eskilstuna, Sweden. Today REHOBOT deliver high-pressure hydraulics worldwide. Success for us involve exceeding limitations and to develop smart solutions for our customers' power problems.

REHOBOT HYDRAULICS stands for Quality, Reliability & Service. Our products are marketed by ourselves but also through dealers. We have subsidiaries in the U.S., England and China. In addition to these, we work with partners in more than 70 countries which always ensure that our customers receive the best possible service, wherever they are!

REHOBOT®

MADE IN SWEDEN

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