

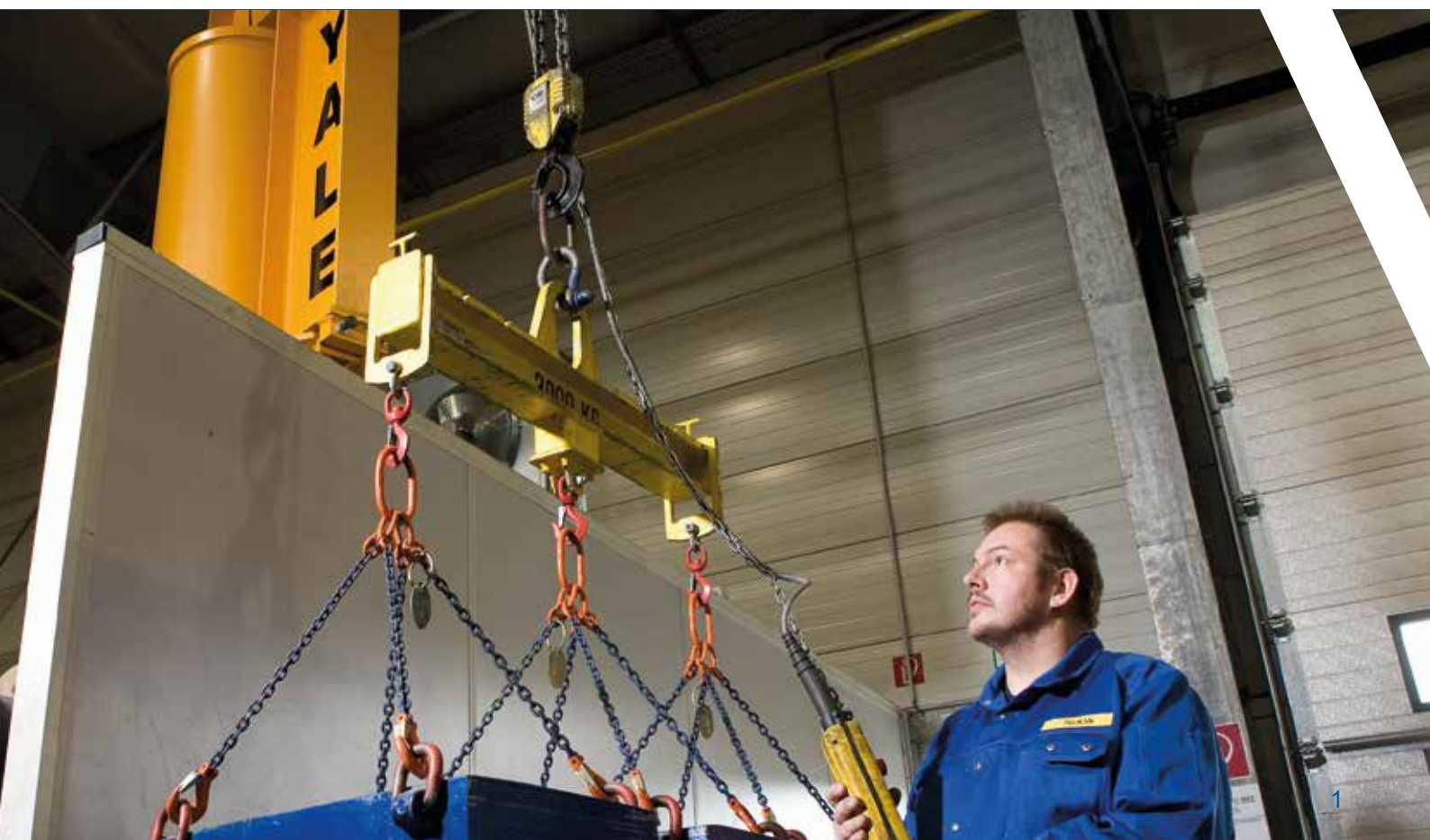


Lifting & Handling Equipment - compact

Partners in Motion Control



COLUMBUS MCKINNON
EMELÉSTECHNIKA



COLUMBUS McKINNON Corporation

The Columbus McKinnon Corporation is one of the world's leading suppliers of conveying technology and can look back on over 140 years of experience in the development and manufacture of cranes, lifting equipment and slings

The company headquarters is located in Amherst, New York. The group has production facilities in America, Europe and Asia as well as a worldwide network of sales companies and partners.

The success story of Columbus McKinnon has its origins in the manufacture of chains and forged slings. At the beginning of the last century, the product programme was expanded to include the field of manual and motorised lifting equipment

Today, the company is the market leading supplier of cranes, manual and motorised lifting equipment, slings, chains and forged load lifting equipment in America.

Columbus McKinnon products are now found all over the world in all industrial and commercial application areas. Against a background of steadily increasing market requirements, Columbus McKinnon is successful at an international level thanks to the highest safety and quality standards in combination with the best possible closeness to customers 28 manufacturing and distribution facilities worldwide.

28 manufacturing and distribution facilities worldwide:



- Corporate Headquarter
- Manufacturing Facility (17)
- Warehouse Facility (11)
- Sales & Service Office (26)

- Amherst - New York, USA
- Edmonton, Alberta
- Cobourg, Ontario
- Apodaca N.L. Mexico
- Mexico City, Mexico
- Santiago Tianguistenco, Mexico
- Villahermosa, Mexico
- Panama City, Panama
- Recife, Brazil
- Sao Paulo, Brazil
- Montevideo, Uruguay
- Ambacht, Netherlands
- Newtownabbey, N. Ireland
- Chester, UK
- Prenton, UK
- Romeny-sur-Marne, France
- Vierzon, France
- Buchs, Switzerland
- Cerro Maggiore, Italy
- Sevilla, Spain
- Casablanca, Morocco
- Istanbul, Turkey
- Wuppertal, Germany
- Heilbronn, Germany
- Kissing, Germany
- Pleuiska, Poland
- Pfaffstaetten, Austria
- Székesfehérvár, Hungary
- Budapest, Hungary
- St. Petersburg, Russia
- Honeydew, South Africa
- Pretoria, South Africa
- Magaliesburg, South Africa
- Viestmead, South Africa
- Dubai, UAE
- Bangkok, Thailand
- Singapore, Singapore
- Chengdu, China
- Xi'an, China
- Wuhan, China
- Beijing, China
- Shanghai, China
- Shenyang, China
- Hangzhou, China
- Guangzhou, China

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Expertise and quality

Our team of skilled employees have a wealth of experience and expertise in lifting technology and are ready to ensure that the equipment you select is the most suitable for the task in hand, whether standard products or a bespoke project.

Regular training courses for our own staff and our distributors ensure that the entire team is always up to date with the latest developments.

We encourage a positive attitude and motivation to delivering outstanding customer service to make sure every employee feels a sense of personal investment in the company and its success.



Information and training

It is vital that all our staff are fully informed about every detail of such complex technical equipment for which in-depth knowledge is required, to ensure the safety of all our users and high quality operational performance.

To make sure that you and all your colleagues have all the information you need, we provide:

- Extensive product documentation
- Up-to-date information through our newsletters
- Training on specific topics and types of equipment



Services

Service is an integral part of our business, with comprehensive sales and life-time after-sales support and assistance, including:

- Installation
- Acceptance and handover
- Testing and maintenance
- Parts and repair



A comprehensive range of lifting equipment

The long-standing partnership between Yale Industrial Products and Columbus McKinnon means we are able to provide a comprehensive range of high quality, precision-engineered hoists, slings, clamps, jacks, actuators, lifting equipment and accessories.

Working closely with our partners ensures that each new product or product range has been developed to meet identified customer needs. Every new or improved product is thoroughly tested by our experienced and professional team of engineers, backed by complete and detailed operation, service and repair documentation in line with ISO 8001 that we have held for the past 15 years.



MAINTENANCE AND TESTING

As part of our business service we can carry out maintenance and testing on all current branded makes of equipment in line with the relevant regulations. We check and record data from a range of different manufacturers, their products and brands to save you time and money. For example we carry out retrofitting as required by current regulations or repair and testing to ensure safe and reliable equipment performance. We ensure we meet all legal requirements, keep downtime and holdups to a minimum.

Testing and preventive maintenance

- Prevent sudden failure of load carrying devices and slings from cracks or other types of damage
- Spot wear and other defects in time to carry out repairs to ensure long-term reliability and safety
- Replace wear parts such as brake discs before undue loss of performance, saving downtime and costs
- Ensure workforce safety
- Comply with occupational and engineering regulations and requirements

We maintain and test

- Hoists and small crane systems
- Electrical and manual lifting gear and winches
- Explosion-protected equipment
- Lifting tables
- Load carrying devices
- Slings



Mobile maintenance and test service

Our mobile maintenance and testing service carries out full servicing and checks on lifting equipment, load carrying devices, slings and personal protective equipment on site, providing a fast and convenient service. We handle all current brands and comply with all current legal requirements. By taking care of every aspect of maintenance and repair quickly and efficiently, we free users to concentrate on their core business activities.



Our mobile testing service offers:

- Test bank up to 31.5 tonnes for chain slings (up to 22mm grade 10 and 26mm grade 8), cables, lifting equipment and clamps.
- Test bench up to 10 tonnes (traction) and 20 tonnes (compression) for all lifting equipment including clamps, magnets, and rack and pinion jacks.
- Our mobile service units provide a full on-site workshop facility with fast-moving replacement parts for maintenance and repair
- **IT systems and equipment** for recording and printing out test results.



Plant testing service

Our workshops are fully equipped to carry out major maintenance, repair and inspection projects on standard and special products. With manufacturing facilities including a wire rope press, gluing device up to 40mm in diameter and a sewing machine for webbing slings we can manufacture products to individual specifications and requirements.

Our plant testing service offers:

- Test bench up to 100 tonnes for chain slings
- Inspection gear for all lifting equipment including clamps, magnets, and rack and pinion jacks
- Fully equipped workshop for all current brands of lifting equipment
- Extensive replacement parts store





Ratchet lever hoist model YaleERGO 360

Capacity: 750 - 6.000 kg

Redefining lever-operated hoists, the YaleERGO 360 ® features the revolutionary crank handle that allows for efficient operation in both lifting and pulling applications.

Features

- Easy and effective operation from any angle with handle that folds down and locks into position on either side of the lever.
- Requires 30 % less pull force to operate.
- 360° rotation increases efficiency, allowing operators to work up to 12 times faster than with a conventional ratchet lever hoist.

Options

- Shipyard hooks for capacity 1500 and 3000 kg



All ratchet lever hoists with a capacity exceeding 750 kg can be used for load attachment according to EN 12195.



Ratchet lever hoist model PT

Capacity: 800 - 6.300 kg

Ratchet lever hoists model PT features improved techniques and ergonomical styling. The advantages of the predecessor range have been maintained and further optimized. A good, versatile, all round ratchet lever hoist for demanding conditions.

Features

- The proven stamped steel housing provides extremely low weight without limiting the reliability and sturdiness of the unit.
- Standard free chaining device to quickly attach the load or to pull the chain through the hoist in both directions.
- Alloyed steel link chain with zinc-plated resp. yellow chromated finish, in accordance with national and international standards and regulations.
- Drop forged suspension and load hooks are made from non-aging, high tensile steel and fitted with robust safety latches.
- The short handlever is fitted with an ergonomic rubber grip.

Options

- Overload prevention device
- Chain stop



Ratchet lever hoist model C/D 85

Capacity: 1.500 - 3.000 kg

Almost unlimited applications in maintenance, mining, construction, steel fabrication, shipbuilding and utility work. Ideal for moving and positioning heavy machines and securing heavy loads, simplifies setting pipes etc. in manholes and trenches.



This ratchet lever hoist is suitable for cargo tie down applications, since it has an automatic screw-and-disc type load brake preventing an unintentional loosening of the load.

Features

- Enclosed housing with housing cover, handlever and bottom block made from high tensile malleable cast iron for overall rugged construction.
- The graphite cast iron load sheave for the link chain has precision machined chain pockets for accurate fit and durability of the load chain.
- The roller chain sprocket is made from heat treated chromium-molybdenum steel with precision machined teeth to ensure smooth chain movement

Options

- Overload prevention device
- Standard free chaining device to quickly attach the load or to pull the chain through the hoist in both directions.
- Hoist with sling chain.



Ratchet lever hoist model UNOplus

Capacity: 750 - 6.000 kg

Further technical development turns the ratchet lever hoist into the successor of our proven UNO model.

The versatile tool for lifting, pulling and securing of loads is characterised by its compact design and robust stamped steel construction.

Features

- Robust chain guide rollers eliminate fouling and jamming of chain on the load sheave.
- Standard free chaining device to quickly attach the load.
- Steel hand wheel as standard.

Options

- Chain stop



Protection classification

- Ex I M2,
Ex II 2 GD c IIB T4 T 120° C X



Ratchet lever hoist model Yalehandy

Capacity: 250 - 500 kg

The extreme low tare weight and the very compact design make the hoist easy to use even in confined working conditions.

Features

- Drop forged suspension and load hooks are made from non-aging, high tensile steel and fitted with robust safety latches.
- Standard free chaining device to quickly attach the load or to pull the chain through the hoist in both directions.
- Extremely small hook dimensions. 240, resp. 282 mm.

Options

- Chain stop



Hand chain hoist model VSIII

Capacity: 250 - 50.000 kg

The newly designed hand chain hoist VSIII is an innovative further development introduced by Yale. The improved hand chain guide prevents canting or jamming of the hand chain, leading to a smooth running of the chain

Features

- Strong bolts between side plates and housing cover and the reinforced hand wheel cover ensure increased stability.
- Precision machined guide rollers ensure smooth running of the load chain.
- High quality bearings for gearbox, side plates and load chain sheave permit a long service life.
- Zinc-plated and yellow-chromated brake parts and guide rollers ensure increased corrosion protection.
- Zinc-plated load chain as standard for added corrosion protection.

Options

- Overload prevention device
- Chain container



Hand chain hoist model Yalelift 360 Model

Capacity: 500 - 20.000 kg

Areas of operation as well as operator conditions have been improved far beyond those of a classical hand chain hoist.



Patented!
Rotating hand
chain guide.

Features

- The revolutionary 360° rotating hand chain guide allows the operator to work from virtually any position.
- The enclosed robust stamped steel housing protects all internal components even in the toughest conditions.
- Chain guide and gearbox are almost totally enclosed.
- The extremely low headroom allows maximum use of the lifting height.

Options

- Adjustable overload prevention device
- Chain container
- Corrosion resistant version
- Explosion protection
- Chain stop



Hand chain hoist with integrated push or geared type trolley model Yalelift IT

Capacity: 500 - 20.000 kg

The combination of the Yalelift 360 with a low headroom manual trolley provides even more flexibility in the application of the Yalelift 360.



Hand chain hoist with integrated push or geared type trolley (low headroom) model Yalelift LH

Capacity: 500 - 10.000 kg

The hand chain hoist model Yalelift LH with integrated low headroom manual trolley is the consequent further development of the Yalelift IT. Wherever an even smaller headroom is essential, the Yalelift LH is the ideal choice.

Options

- Adjustable overload prevention device
- Chain container
- Corrosion resistant version
- Explosion protection
- Beam locking device
- Chain stop

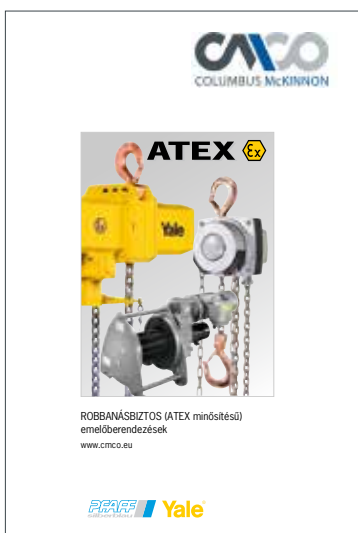
Operation in explosion endangered environments

More safety

In nearly all industrial areas, and not only in the chemical industry, plants are operated in explosion endangered environments. Because of the great damage an explosion could cause to people and material values, special stringent legal and technical requirements are imposed on particularly electrical equipment used in explosion endangered environments (according to 94/9/EC).

Applications

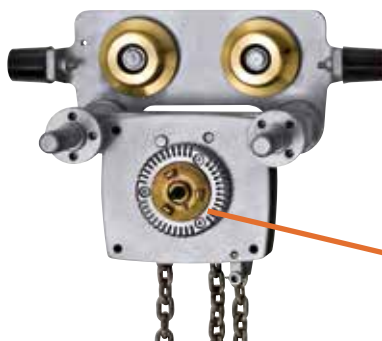
Paint factories, paint shops, foundries, on-/offshore, refineries, oil depots, electroplating, automobile factories, on ships and docks, printers, textile and paper industries, food industries, glass and ceramic industries, wood working industries and hardening shops etc.



Protection classification

II 2 GD c IIB T4 T 125° C X,

II 2 GD c IIB T3 T 145° C



cooling
element





Beam clamp model YC

Capacity: 1.000 - 10.000 kg

Compact and rigid beam clamp to be used as a versatile rigging point for hoisting equipment and loads.

Features

- The central threaded spindle allows easy attachment and a safe and secure grip
- The spindle can be secured against loosening..



Also useable as a horizontal rigging point.

Can be supplied with shackle!



Push and geared type trolley model HTP and model HTG

Capacity: 500 - 20.000 kg

The trolley enables the exact positioning or easy traversing of large loads with either manual or powered hoisting equipment.

Features

- Adjustable to fit a wide range of beam widths and profiles.
- The trolley wheels are designed for a max. beam profile incline of 14 %. (DIN 1025 – 1).

Options

- Buffers
- Locking device
- Stainless steel hand chains.



Electric trolley model VTE-U

Capacity: 1.000 - 5.000 kg

Specially recommended for loads over 1000 kg, for transporting over long distances and/or when used frequently. Suitable for almost all hoists with suspension hook due to universal shackle connection.

Features

- Standard operating voltage: Euro-voltage 400 V, 3-phase, 50 Hz. Single speed motors can be reconnected to 230 V.
- Compact, robust frame with low overall height.
- Wheels manufactured from fracture-proof steel. Smooth running due to machined surfaces and ball bearing mounting. Cambered profile suitable for parallel and inclined beam profiles.
- Easy adjusted to fit to a wide range of beam widths and profiles due to threaded spindles.

Options

- Low voltage control (42 V)
- Rubber buffers
- 230 V, 1 Ph, 50 Hz

Electric winch model RPE

Capacity: 250 - 2.000 kg

The extremely compact, practical cube design and universal rope lead-offs allow individual applications in almost any position and make them powerful aids for lifting and pulling loads.



**Special design for
wind energy as
well as customised
constructions on
request.**

Features

- Voltage 400 V/230 V, 3-phase, 50 Hz, protected to IP 54, insulation class F, 40 % ED.
- Adjustable slip clutch to protect the winch from overloading standard for model RPE 10-6.
- Spur gear transmission with helical first gear ensures smooth motion. Lubricated by grease and can, therefore, be used in any position.
- Spring pressure disc brake incorporated in the motor holds the load secure even in the event of a power failure.
- Plain rope drum standard.
- The rope is secured to the drum in a recess so that the rope can be wound onto the drum in several layers without damage.
- Direct control or 42 V low voltage control (incl. pushbutton with emergency-stop and 2 m control cable).

Options

- Different drum designs, e.g. extended, machined grooves for exact reeling, with separation web.
- Geared limit switches to limit rope motion in both directions (in combination with 42 V low voltage control.)
- Single-phase A.C. motor 230 V, 50 Hz, 42 V low voltage control.
- Slack rope switch (only in combination with low voltage control)
- Frequency converter
- Adjustable slip clutch to protect the winch from overloading for models RPE 2-13, RPE 5-6 and RPE 5-12)
- Special design according to BGV C1
- Radio remote control
- Other operating voltages
- Stainless brake



**Also as pneumatic
winch model RPA
available.**



Model SW-W-SGO, Capacity 1.500 kg

Wall-mounted winch with worm gear drive model SW-W-SGO

Capacity: 1.000 - 5.000 kg

Wall-mounted winch with worm gear drive and load pressure brake for efficient lifting of heavy loads.

Features

- Worm gear drive with additional load pressure brake for safe holding of the load.
- Roller bearings ensure smooth running of the rope and increased lifetime of the winch.
- Second speed for fast lifting of smaller loads.

Options

- Corrosion resistant version
- Drum with separation web for operation with several ropes.
- Grooved rope drum for improved guidance of the rope.



Model LB, zinc-plated version, Capacity 1.200 kg

Console-mounted winch model LB

Capacity: 150 - 1.200 kg

For lifting and pulling applications.

Features

- Spur gear drive for optimal efficiency and comfortable handling.
- Automatic load pressure brake for safe holding of the load in any position. An unintentional brake release is prevented.
- All parts are zinc-plated for increased corrosion protection, drum with additional special coating.
- Easy and quick mounting to consoles, even under lifting conditions.

Options

- Free wheeling device
- Variable crank
- Foldable crank



Stainless steel version available.



Electric winch model BETA Engineered Line - EL

Capacity: 320 - 7.500 kg

Electric winches of the BETA Engineered Line range are used for lifting, towing and positioning of loads under demanding conditions. All models are based on a modular system; a high degree of flexibility ensures tailor-made solutions owing to a large number of options.

The application of high-quality components and gear motors ensure safety and a long service life.

Features

- Powerful three-phase AC drives for multi-range voltage 380 - 420 V, 50 Hz or 440 - 460 V, 60 Hz.
- Motor type of enclosure IP 55, duty factor 40 % ED.
- Increased operating safety due to 42 V contactor control.

In compliance with accident prevention regulations BGV C1, also available for application on stages and in studios.



Electric winch model BETA Standard Line - SL

Capacity: 250 - 2.000 kg

Electric winches of the BETA Standard Line range are used for lifting, towing and positioning of loads.

The proven technology and specified equipment features make the winch the ideal product for standard applications.

Features

- Powerful three-phase AC drives for multi-range voltage 380 - 420 V, 50 Hz or 440 - 460 V, 60 Hz.
- The winches feature either direct or contactor control (incl. gear limit switch).



Protection classification



II 2 GD de IIB T4 T 135° C X



Also available as 230 V, 1-phase, 50 Hz
(25 % ED) version.
Optionally available with electric trolley.



Electric chain hoist with suspension lug or with integrated trolley model CPV

Capacity: 250 - 5.000 kg

The electric chain hoist model CPV combines modern design and technical innovation.

Features

- Classification: 1 Am/M4 (standard), resp. 1 Bm/M3 (for 230 V, 1-phase, 50 Hz).
- Increased operating safety through 42 V control voltage
- Duty cycle 50 % ED for single speed.
- Euro-voltage 400 V, 3-phase, 50 Hz
- The standard, oil bath lubricated and case hardened gearbox has a helical gearing for particularly smooth running and enhanced lifetime.
- Chain guide made of fibre coated polyamide for increased wear resistance.

Options

- Stainless steel load chain
- Suspension hook
- Flexible chain container
- Other operating voltages
- Counter for operating hours and number of starts
- Radio remote control
- Control for synchronized operation of several hoists
- Manual and electric trolleys
- Connection to festooned cable system.

Electric chain hoist with suspension hook model CPS

Capacity: 125 - 500 kg

The model CPS is the smallest and lightest model within the range of Yale electric chain hoists. Reliability and compact design make it ideal for numerous applications in the construction industry, service companies and many industrial areas for moving small and medium loads.

Features

- Classification: 1 Am/M4 (standard), resp. 1 Bm/M3 at 230 V, 1-phase, 50 Hz.
- The standard version comes with direct control.
- Duty cycle 30 % ED, resp. 25 % ED, 230 V, 1-phase, 50 Hz.
- Electromagnetic, spring pressure brake.
- Euro-voltage 400 V, 3-phase, 50 Hz.
- The 10-pocket load sheave ensures smooth running of the chain and minimizes chain wear.
- Hook dimension only 276 mm (up to capacity 250 kg)

Options

- Stainless steel load chain
- Robust chain container
- Low voltage control 48 V
- Manual and electric trolleys

Electric chain hoist with suspension hook or with integrated trolley model CPE

Capacity: 1.600 - 10.000 kg

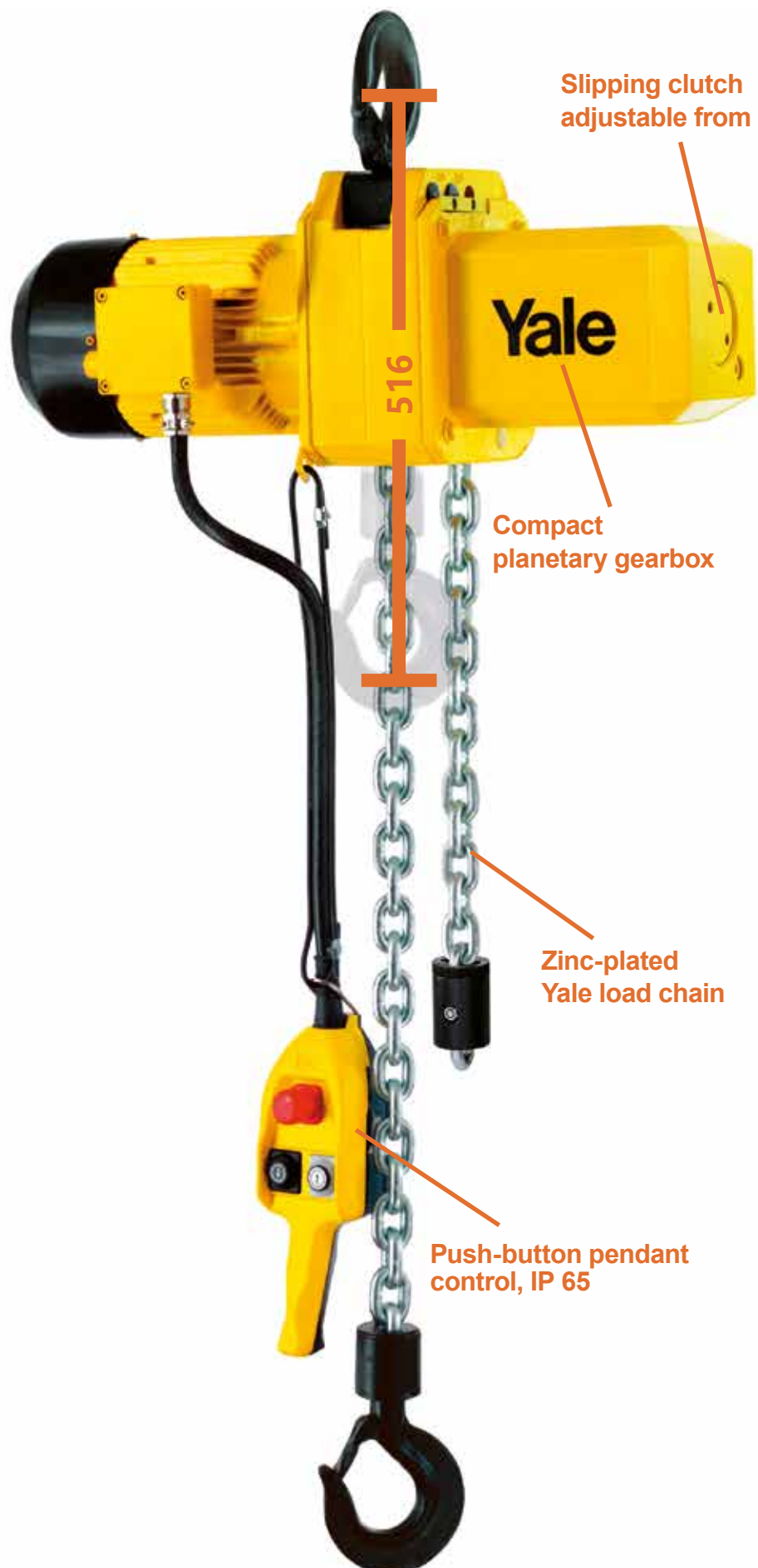
The CPE series is a range of high quality products for professional applications. The hoists are composed of three main component parts which makes service easy and inexpensive.

Features

- Classification: 1 Am/M4, except models CPE(F) 20-8, CPE(F) 30-5 and CPE(F) 40-4 classification 1 Bm/M3.
- Direct control.
- Duty cycle 40 % at one operating speed.
- Euro-voltage 400 Volt, 3-phase, 50 Hz.
- The standard, oil bath lubricated planetary gearbox is particularly smooth running.
- The heavy duty squirrel cage motor with an adjustable spring pressure brake

Options

- Stainless steel load chain
- Suspension hook rotated 90°
- Flexible chain container
- Other operating voltages
- Limit switches for highest and lowest hook positions (in combination with low voltage control)
- Motor with stainless steel brake
- Radio remote control
- Control for synchronized operation of several hoists
- Manual and electric trolleys
- Integrated low headroom trolley





Pneumatic chain hoist with suspension hook or with integrated trolley model CPA

Capacity: 125 - 980 kg

Pneumatic chain hoists are characterized by high durability in a great number of industrial applications. The robust but light weight housing allows an easy transport.



Also suitable for operation with nitrogen.

Features

- Designed for operating pressures of 5 to 7 bar.
- Extremely sensitive control with emergency-stop for a precise positioning of the load.

Options

- Manual and powered trolleys with shackle to fit top hook suspended pneumatic chain hoists.
- Models CPA 2-31, CPA 5-17 and CPA 10-9 also available for operation in hazardous areas, category 2 (Zone 1/21)
- Models CPA 2-31, CPA 5-17 and CPA 10-9 also available with chain control
- Maintenance unit for main air supply pipe (pressure regulator, manometer, lubricator and support)



Protection classification

Ex II 3 GD c IIB T4



Pneumatic chain hoist with suspension hook or with integrated trolley model CPA

Capacity: 2.000 - 10.000 kg

The conception is in accordance with the design of the model CPE. With 100 % duty rating and an unlimited number of starts the model CPA is suitable for heavy duty applications.

Features

- Designed for operating pressures of 4 to 6 bar.
- Robust rotating piston motor with an adjustable spring pressure brake.
- High starting torque due to switching valves in the motor body.
- Sensitive control by means of 2 resp. 4 button pendant control with emergency-stop.
- Low noise emission due to large dimension silencer.

Options

- Manual and pneumatic trolleys
- Rope control
- Stainless steel load chain



Kivitel pneumatikus meghajtóval



Protection classification

Ex II 3 GD c IIB T4



Model STW-F
with fixed lifting claw

Model STW-V
with adjustable lifting claw

Steel jacks acc. to DIN 7355 - with adjustable lifting claw model STW-V

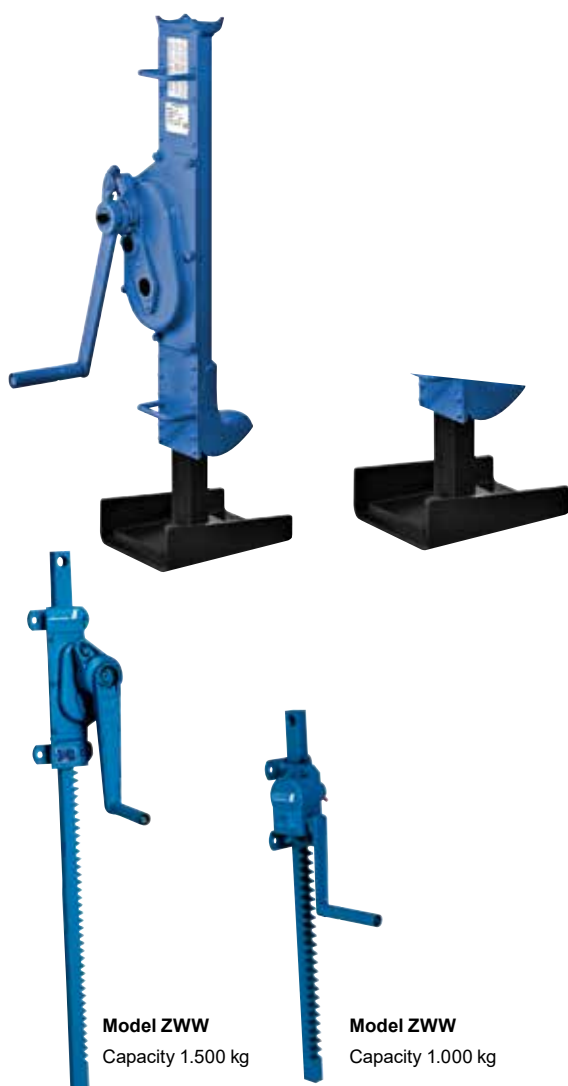
Capacity: 3.000 - 10.000 kg

- with fixed lifting claw model STW-F

Capacity: 1.500 - 10.000 kg

Features

Steel jacks are traditional hoisting equipment for universal application in the forest and agricultural sector, in the industrial sector for assembly activities and many other fields of application.



Steel jack acc. to DIN 7355 model SJ

Capacity: 1.500 - 10.000 kg

Mechanical steel jacks can basically be used to lift almost all kinds of loads in maintenance and repair, ship building, construction as well as agriculture.

Rail jack acc. to DIN 7355 model RSJ

High stability on uneven ground is ensured by the extra large floor plate (e.g. gravel).

Features

- The load is held securely in any position.
- The self-locking, anti-kickback operating lever reduces the risk of injuries.
- The precisely machined gear box with optimal gear ratio ensures a minimum of effort and smooth operation.
- No reduction of capacity on the claw.

Wall-mounted rack and pinion jacks model ZWW

Capacity: 250 - 10.000 kg

Wall-mounted rack and pinion jacks are used for lifting, lowering, pulling and pushing of loads.

Model ZWW
Capacity 1.500 kg

Model ZWW
Capacity 1.000 kg



Plate clamp with safety lock model TBL

Capacity: 500 - 30.000 kg

For transporting single steel plates in the vertical position, as well as lifting and turning.

The safety lock overrides the spring-loaded cam, preventing the clamp from opening even when there is no load.

The TBL 0.5 is equipped with a safety lock (positive spring-loaded cam), but comes without locking lever.



The surface hardness of the material must not exceed HRC 30.



Plate clamp with hinged hook ring and safety lock model TBS

Capacity: 1.000 - 10.000 kg

The TBS plate clamp with hinged hook ring can be used for the safe handling of plates at various angles.

The hinged hook ring ensures adequate clamping force in every position. Depending on the angle of usage capacity restrictions have to be taken into account.

The hinged hook ring has the added advantage of providing enough clamping force to hold a plate safely. Even when transporting large-sized plates with the 2-legged lifting system slipping of the load and damage to the clamp is avoided.



The min. load is 10 % of the nominal WLL!



Universal grab model TAG

Capacity: 350 - 10.000 kg

The large jaw capacity allows to tackle a variety of sizes with only one clamp. It can be used for loading machine tools, lifting steel constructions, welding and assembly jobs as well as for concrete and prefabricated pieces. The automatic clamping force is retained by a positive tension spring, even if there is slack in the chain.

Grabs up to 1.25 t WLL are available with a protective lining on the clamping jaws on request.

Universal grabs up to 2.0 t capacity are equipped with round chains, clamps with increased capacities are delivered with roller chains.



The surface hardness of the material must not exceed HRC 30.
The min. load is 10 % of the nominal WLL!



Permanent load lifting magnet model TPM

Capacity:

100 - 3.000 kg (Flat material),
50 - 1.500 kg (Round material)

TPM load lifting magnets are ideal tools for easy, quick and thus economical transport of heavy objects made of ferro-magnetic material. The load is not affected mechanically which allows lifting of flat as well as round material.

The permanent magnets do not require electric energy and will leave only minor residual magnetism on the material after use.



In order to achieve a maximum capacity, the contact surface should be bright and free from dirt, oil, grease, scale, corrosion, paint etc.



Screw clamp for vertical and horizontal pulling model TSH

Capacity: 750 - 5.000 kg

The spindle of the clamp is closed only finger tight. Once the screw clamp is tightened and lifting begins, the pivoting pad clamping system produces a wedging action against the material, holding it securely.



The plate surface of the material must not exceed a hardness level of HRC 50.



TIGRIP®

Load indicator

Measuring range 0 - 100 t

The Tigris® load indicator is a mechanical measuring instrument with electronic display. On account of its flexibility the Tigris® load indicator has universal applications. Whether used as a conventional crane weigher or to measure forces, it is the economical choice for various applications. It can be used in conjunction with shackles and hooks.

The load indicator is provided with liquid crystal display (LCD), which can tare as well as show either the gross or the net load. It also indicates overload at 110 % of the rated capacity and the status of the battery.

- with digital display model TZL

Features

- Retains the peak value to memory.
- The battery capacity provides for around 200 operating hours.

- with digital display TZR Model

The load indicator can be operated via radio control. The displayed values can be taken off the remote control device and can be transmitted to a PC. The system can be combined with an easy-to-read display. Several measured values can be totalled and saved.



TIGRIP®

Crane weighers

Measuring range 0 - 12 t

The crane weighers TKL and TKR are compact measuring devices for the weighing of loads. Use appropriate attachments like grade 8 forgings between the hook of the hoist or crane, the crane weigher and the load.

The crane weighers have a liquid crystal display (LCD), which can tare as well as show either the gross or the net load. It also indicates overload at 110 % of the rated capacity and the status of the battery.

- with digital display model TKL

Features

- Housing can be rotated 180°
- Retains the peak value to memory.
- The battery capacity provides for around 200 operating hours.

- with digital display model TKR

The crane weigher can be operated by radio control. The displayed values can be taken off the remote control device and can be transferred to a PC.

The system can be combined with an easy-to-read display. Several measured values can be totalled and saved.



Spring tensioner model YFS

Capacity: 0,5 - 10 kg

- with ratchet locking device model YFS-A

Capacity: 2 - 10 kg

Spring tensioners are used to relieve the operator from the weight of hand-tools. By using a cylindrical rope drum the load is always pulled back in its original position.

Models YFS-A are equipped with adjustable cable stop while pulling the cable from the tensioner. Re-pulling of the rope or tool unlocks the cable stop

and the tool will be pulled in its original position.

Application

Pneumatic power-tools, assembly tools, paint spraying guns, riveting machines, nut runners, grinding and polishing machines etc.



Spring balancers model YBF

Capacity: 0,5 - 200 kg

- with extended rope length model YBF-L

Capacity 1,5 - 130 kg

Spring balancers are used to relieve the operator from the weight of hand-tools. By using a tapered rope drum the weight of the attached load is compensated, loads up to 200 kg can be moved effortlessly in vertical axis.

Application

Spot-welding guns, riveting-machines, slaughterhouse equipment, multiple nutrunners etc.



**Capacities up to
300 kg available
on request.**



- with safety feature in case of rope breakage model YBA

Capacity: 9 - 70 kg

- with safety feature in case of rope breakage and with extended rope length model YBA-L

Capacity: 9 - 70 kg

YBA series spring balancers have the same technical features as the YBF series, but are equipped with an additional safety feature in case of rope breakage.

This series is used primarily in areas in which higher safety standards are applied or adverse conditions are common (flying sparks etc.) which might cause damages to the rope.



Textile Lifting Slings

Yale webbing slings and round slings are produced from high-tensile quality polyester (PES) in accordance with DIN EN 1492, parts 1 and 2. The highly flexible and versatile material exerts evenly distributed pressure on pressure-sensitive and tension-sensitive loads; it is not subject to material ageing or brittleness and is heatresistant up to +100° C.

Lashing Systems

Yale lashing belts are produced from polyester (PES) according to DIN EN 12195-2. The extremely resilient belt material is resistant to stretching and abrasion; it guarantees a high load bearing capacity and a long service life. All Yale lashing belts are stretched belts, thermally fixed and protected against abrasion.

Chain slings and accessories

We deliver complete chain slings and forged accessories according to EN 818-4.

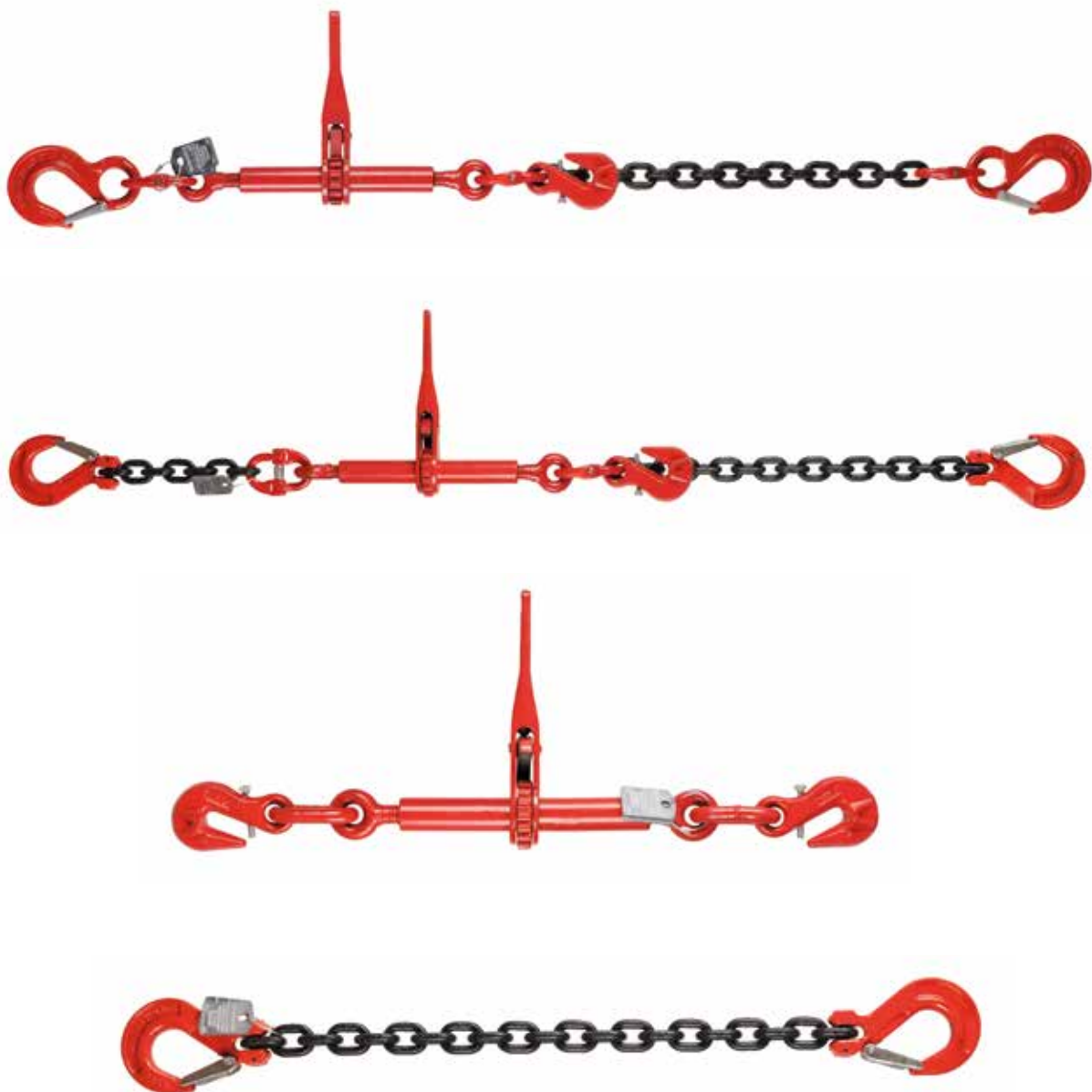
All chains comply to EN 818-2 and all components comply to EN 1677.

Chain slings are tested after assembly and accompanied with all relevant documents.

Both grades available: grade 8 and grade 10.

Grade 10 offers approx. 25% higher capacity at the same diameter.





Lashing chains

Lashing chains from 8 to 16 mm chain diameter with lashing capacities from 4000 to 16000 daN are available.

Lashing chains are available in various layouts in 1- and 2-part versions.

We use only high-quality components which comply to EN 818-2 in grade 8 and EN 1677.

Our ratchet load binders are generally supplied with lock against un-screwing and our shortening hooks are equipped with a chain lock.

Other components, for example eye screws or customer-made designs are possible.

All lashing chains comply to the actual EN 12195-3.



Models with other fork length or capacity available upon request.

Hand pallet truck model HU 25-115 TS SILVERLINE

model HU 25-115 ES SILVERLINE

Capacity: 2.500 kg

For the professional transportation of palletised goods and box pallets under demanding conditions.

Features

- Ergonomic safety control handle for one-hand operation of lifting, driving and lowering.
- Ergonomic rubber control handle for safe handling.
- Low maintenance hydraulic pump with hard chromium plated piston.
- Frame and forks in robust steel construction, adjustable connecting rods, especially hardened axles and the high quality powder coating ensure a long life expectancy.



Hand pallet truck with weighing system model HU W-20 S SILVERLINE

Capacity: 2.000 kg

For transportation and weighing of palletised goods and box pallets.

Features

- Measuring range from 0 up to 2 000 kg in 1 kg steps.
- Easy to read LCD display.
- Accuracy +/- 0.25% of the end value.
- Steering angle of 105 degree

Scope of delivery

- 4 x 1,5 V Elemekkel
- 4 x 1.5 V batteries



Other models with weigher upon request.



Scissor elevating platform, mobile with single scissor and - manual hydraulic model HF...SM

Capacity 150 - 1.250 kg
platform height max. 1.050 mm

- electric hydraulic model HF...SE

Capacity 300 - 1.250 kg
platform height max. 1.050 mm

For lifting and supplying goods independent of the location.

Features

- Manual hydraulic system with pedal or electric hydraulic system with dead man function – a main current connection is not required.
- Robust single scissor construction, above 300 kg with solid steer scissor.
- Steering and fixed rollers with service-free roller bearings. One steer roller can be locked in position for parking.



Heavy load moving system model LX

Capacity: 6.000 and 12.000 kg

These three point loading systems comprise of a steerable front and a pair of adjustable rear skates. The heavy load moving systems are supplied ready-to-use. The steerable front skates (LX-6F and LX-12F) are provided with an appropriate towing bar. The rear skates (LX-12R) are identical in construction and are equipped with two adjustable tie rods.

The wheels are made of hardwearing nylon. The front and rear skates can accept each 50 % of the total capacity.



Hydraulic jacks & tools

A characteristic of this “force-oriented” hydraulic program is the operating pressure which can be as high as 700 bar. This guarantees a simple and safe generation of highest forces. In spite of this the units remain compact, portable and easy to operate. High-pressure hydraulic systems of this type are used in universal assembly and repair operations whereby their application in day-to-day operations is almost unlimited. The component program allows the individual configuration of simple and also complex system solutions.

They are used in the following main industrial areas:

Heavy industry, mining, shipbuilding, offshore, aviation industries, power stations, steel construction, steel making and processing, building construction, bridge and tunnel construction, heavy steel and tank construction, metal processing workshops, and many more.





Bolting technology

Yale bolting technology is the general term of reliable and proven equipment renowned world-wide for controlled tightening or loosening of bolted connections.

The comprehensive range of products includes hydraulic torque wrenches for a maximum tightening torque of up to 78600 Nm, pneumatic torque wrenches for up to 4000 Nm as well as hydraulic bolt tensioners for a maximum thread dimension of M150.

Hydraulic flange spreaders, hydraulic nut splitters and manual torque multipliers for up to 47000 Nm complement the portfolio.

Special features of these products are their long service life, easy and quick maintenance and repair.

All products from the bolting technology sector fulfil national and international regulations such as e. g. the EC Machinery Directive 2006/42/EC including corresponding supplements. It goes without saying that all the torque wrenches are provided with a calibration certificate and operating instructions with a declaration of conformity or a manufacturer's declaration.



Lifting & spreading wedges



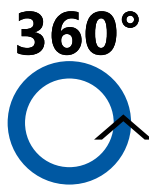
Hydraulic flange spreaders



Backup wrench



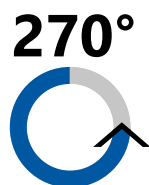
Torque wrenches



Floor-mounted jib crane model TK-GSL / TK-D

Elevated boom with optimal height, slewing range 360°

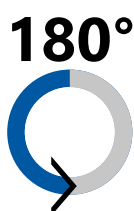
Heavy, robust twist-free steel girder construction. Structural steel crane-boom. Compact rotating head for ideal construction dimensions; access from above ensures easy assembly. The boom is fitted with a roller bearing, pillar made from reinforced steel pipe.



Floor-mounted jib crane model TK-S

Elevated boom with optimal height, slewing range 270°

Lightweight, twist-free steel girder construction with low headroom. The boom is fitted with a bearing, pillar made from reinforced steel pipe.



Wall-mounted jib crane model TK-W / TK-ZWL

Elevated boom with optimal height, slewing range 180°

Lightweight, twist-free steel girder construction with low headroom. The boom is fitted with a bearing and a wall bracket for anchoring the crane to a concrete wall.



Moveable gantry crane model TK-P

Yalesystems gantry crane for use in all areas, from craftsman's workshops, garages and industrial use. They are suitable for low to medium weight capacities and are also for outdoor use. The cranes are moved by hand and are not dependant on a rail system. The guidelines for moving Yalesystems gantry cranes and transporting loads should be strictly followed.

INSPECTION AND REPAIR SERVICE

Our proficiency

- Maintenance of all Yale and Pfaff-silberblau branded products but also of other products (except personnel protection equipment)
- Annual inspections of hoisting equipment and of personnel protection equipment.
- Calibration of Pfaff-silberblau branded hand pallet trucks with integrated weigher and calibration of crane weighers.
- Order-related rebuild of existing equipment.

Our qualification

- As a manufacturer we have a long standing experience in inspecting and repairing lifting products. Inspection and repairs are executed by competent persons with detailed knowledge of all relevant directives and standards.
- Expert knowledge of various products.
- Qualified contact partners.

Where you can rely on

- Stocking of common spare parts to ensure short repair times.
- Utilization of OEM parts only to guarantee constant quality and reliability.
- Comprehensive documentation of executed inspections and repairs for easy retracing of service performances.



Recording

Recording of type and quantity of products to be inspected. Verification of existing documentation (e.g. inspection records).



Visual inspection

Evaluation of the state of the products, components and safety installations.



Dimensional and functional inspection

Inspection of variances of all relevant components, checking of proper function of the unit and it's safety installations.



Maintenance

Repair of products or components which do not comply to the safety requirements – but only after mutual agreement.



Final inspection and documentation

Inspection of repaired products and documentation of inspections and repairs carried out.



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