



UK Price List
November 2021

Partners in Motion Control

Mission:

We provide expert, professional-grade solutions and products, building the trust of customers by solving their high-value problems.

Vision:

To become the leading industrial technology company in safe and productive motion control.

Our Values - Raising expectations



Connect safety to everything you do.

Take personal responsibility. Care for our people. Build products that everyone can trust.



Be easy to do business with.

Focus on the customer. Listen. Simplify.



Deliver on your commitments.

Aim for greatness. Do your best. Hold yourself accountable.



Think differently.

Be proactive with new ideas. Ask questions. Be part of the solution.



Win as a team.

Work together. Respect each other. Celebrate success.



Act with integrity.

Do the right thing. Extend trust. Appreciate differences.



Yale

STEERMAN
LOAD MOVING SYSTEMS

PAFF
SUPERIOR

Camlok
Lifting Clamps

CMET
ENTERTAINMENT TECHNOLOGY

C/M/K
COLUMBUS MCKINNON
CORPORATION

CM

MAGNETEK
MATERIAL HANDLING

Duff-Norton

TIGRIP

STAHL
Crane Systems

YOUR MAIN CONTACTS:

GB TEAM

INTERNAL SALES



Steve Griffiths
Sales / Product Specialist
+44 (0) 1244 391111
steve.griffiths@cmco.eu

INTERNAL SALES



Jayne Morgans
Sales / Product Specialist
+44 (0) 1244 391101
jayne.morgans@cmco.eu

INTERNAL SALES



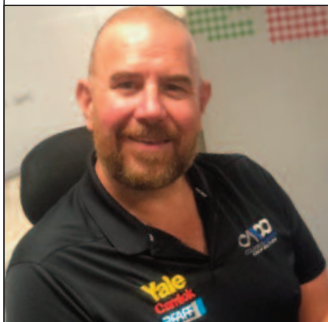
Tracy Hall
CMET Business Dev. Manager
+44 (0) 1244 391104
tracy.hall@cmco.eu

EXTERNAL SALES



Andy Dowell
Business Dev. Manager
+44 (0) 7855 504872
andy.dowell@cmco.eu

SALES & MARKETING



Rob Wood
Sales & Marketing Manager
+44 (0) 7525 323270
rob.wood@cmco.eu

TECHNICAL / Q.A.



Nigel Hancocks
Technical/Q.A. Manager
+44 (0) 7977 592027
nigel.hancocks@cmco.eu

TECHNICAL / Q.A.



Barry Williams
Technical/Q.A. Engineer
+44 (0) 1244 391109
barry.williams@cmco.eu

CREDIT CONTROL



Louise Rush
Credit Controller
+44 (0) 1244 391102
louise.rush@cmco.eu

NI TEAM



Northern Ireland Sales: +44 (0) 2890 840697
General Fax: +44 (0) 2890 343673

General Email: sales.ni@cmco.eu
Group Web: www.cmworks.com / www.cmco.eu

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HOW TO FIND US....

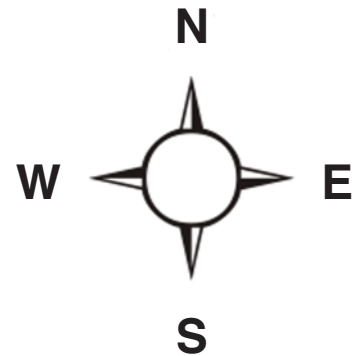
HEAD OFFICE



Columbus McKinnon Corporation Limited

Knutsford Way
Sealand Industrial Estate
Chester
CH1 4NZ

Tel: 01244 375375
Fax: 01244 377403
Email: sales.uk@cmco.eu
Web: www.cmco.eu



BELFAST



Columbus McKinnon Corporation Limited

1A Ferguson Centre
57 - 59 Manse Road
Newtownabbey
BT36 6RW

Tel: 02890 840697
Fax: 02890 343673
Email: sales.ni@cmco.eu
Web: www.cmco.eu

QUALITY POLICY STATEMENT

Columbus McKinnon Corporation is committed to provide a standard of service that fully meets our distributors needs. We recognise the importance of adopting and maintaining an internationally recognised standard of quality assurance. Using ISO 9001 accreditation as the base on which we build sustained improvement for all of our activities.

Resources have been provided to ensure that all contractual and statutory needs are met and that all staff are trained and aware of the CMCO philosophy of improvement through commitment, assessment, and re-evaluation.

A copy of CMCO UK's Quality Policy is available on request.



**Lifting Equipment
Engineers Association**

PRODUCT DOCUMENTATION

All Columbus McKinnon products are supplied with comprehensive operating instructions. Also included are the relevant UKCA/EC Declaration of Conformity confirming compliance of the product.

Additional documentation such as spare parts manuals, maintenance and repair instructions, technical drawings etc. are available on request.

Duplicate copies of operating manuals and spare parts lists are available to download from our web sites.



DISTRIBUTOR NETWORK

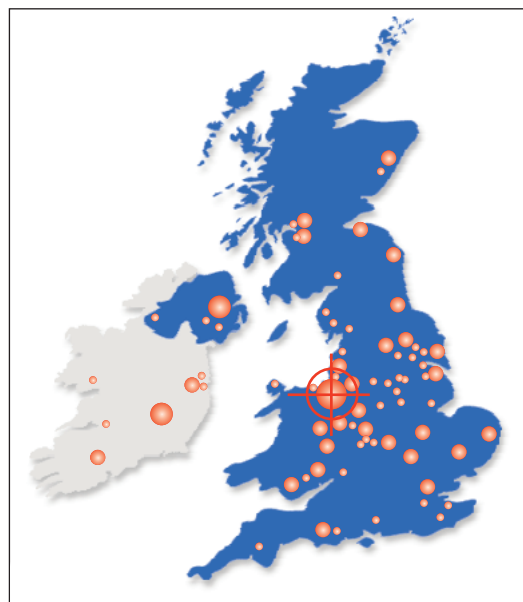
'Distributor sales policy'

As a distributor of Columbus McKinnon Corporation (CMCO) branded hoists and lifting equipment, you have a great opportunity to add further income and profit to your bottom line, from dealing with one of the world's leading and most respected suppliers. With a rich 146-year tradition, the company focuses on commercial and industrial applications that require the highest level of safety and quality provided by its superior design and know-how.

We operate a distributor only sales policy here, on mainland UK – your only competitors are our competitors, and all enquiries go straight to our distributors. So the way is clear for you to make the most from the products we have to offer.

CMCO includes brands with a reputation for performance and quality engineering going back more than a century:

- Yale hoists and lifting equipment – the number one choice in the UK and a brand with instant global recognition.
- Pfaff-silberblau – German engineering quality.
- Camlok – still the market leader in clamps and accessories.
- Steerman – the first choice for professional load movers.
- CM - This American legend is a workhorse trusted for generations.



From our UK facilities in Chester and Belfast we back our distributors with a total support package of marketing, promotion and training materials, parts, service and technical support. Everything you need and expect from a global force in the industry to help you make more profit.

You can market CMCO products wherever you wish, to any potential user – in sectors such as warehousing, manufacturing, metal stockholding, distribution, construction, ports and docks, airports, railway engineering, electrical and electronics, entertainment, sports – even the theatre.

In today's tough economic climate it makes sense to explore every avenue to boost turnover and profits, and if you're not a CMCO distributor already, we'd be happy to visit you and discuss how becoming a distributor could help you achieve your commercial ambitions.

RETURNS POLICY / WARRANTY

“Goods Return Policy”

We would like to draw your attention to Columbus McKinnon Corporation Limited's policy on the returning of goods, either when:-

- a.) Incorrect goods ordered by distributor or end user. b.) Goods despatched but later cancelled or unwanted by distributor or end user.

On either of the above occasions, unless otherwise confirmed in writing to the contrary, the Company will levy a standard handling charge. This handling charge is to cover administration costs, Q.A. inspection of returned goods, and operational expenses of goods to be returned to stores. The handling charge is 20% on 'standard manual products' on the net value minus any carriage costs. All 'non standard' configured items, electric chain hoists, spare parts, or any item that has been manufactured, or ordered to a customers specific requirement CANNOT be returned for credit. Any intention to return goods for credit should be notified to the company in writing within 14 working days. Please see below for the return of goods authorisation.

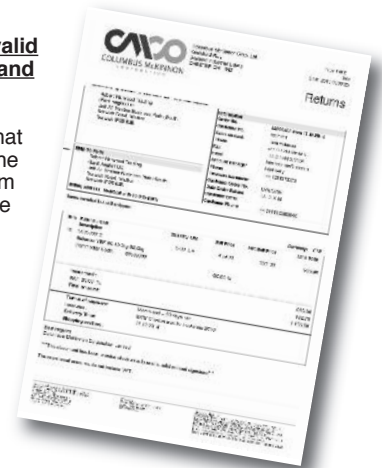
“Returns Authorisation”

Before any goods are returned the distributor MUST contact a member of the sales team to gain a valid Returns Number. Any goods that arrive without a Returns Number will not be accepted for credit and will be refused by Goods Inwards.

Upon the accepted return of the goods, each item will be inspected and if, after inspection, it is noted that any rectification work is required before it can be returned to general stock the company will charge the distributor for the rectification. This work will be done at our standard repair charge out rate and we will inform the distributor of the faults or damage noted and the work required to re-instate the item to a saleable condition.

All returned goods are to be returned by the distributor at their cost with either a copy of the Returns Number or the Returns Number clearly marked on the goods. Please ensure you return the goods to the correct site. All electric chain hoists, pallet trucks, clamps, or manual hoisting equipment should be returned to our Chester location. If you are in any doubt please confirm with a member of our sales team prior to sending any goods back.

The company reserves the right to reject outright any returns that are not packed in the original packaging or suitable replacement packaging.



“Warranty Claims”

All equipment complies with the high standards of quality established by the Company both in respect of materials and workmanship and as the sole and exclusive remedy in discharge of this warranty the Company undertakes to replace free of charge within 360 days from date of despatch from its works any components of its manufacture, which are proved to the satisfaction of the Company (whose decision shall be final and binding) to be defective in materials and workmanship provided notice in writing to the Company is given within 10 days of the defect occurring and provided the component which is the subject of the complaint, if the Company so requests returned pre-paid to the Company's works. In the case of defective components or parts not of the Company's manufacture the Company's liability shall be limited to such adjustment or allowance as the manufacturer there of shall make.

The Company shall not accept responsibility for such work done or expense incurred by the buyer in connection with any repair or replacement unless the Company's prior written authorisation has been obtained. This warranty is in lieu of and excludes all other conditions and warranties whatsoever whether expressed or implied and whether under common law, statute law or otherwise and apart from the aforesaid the Company hereby expressly excludes all liability for any loss or damage whatsoever arising and howsoever caused. The buyer warrants that it will pass on, to all third parties to whom it may supply the goods, all information as to the correct use, maintenance, and safe handling of the goods, as may have been passed onto the buyer by the Company.

CAMLOK CLAMP INSPECTION & REPAIRS

Columbus McKinnon Corporation offer a full inspection and repair service for Camlok Lifting Clamps. Prior to any clamp(s) being returned however, our authorised distributor must contact CMCO to arrange the correct paperwork.

■ Warranty/Inspection/repair

Prior to returning any item for warranty, inspection, or repair, you must contact the sales team to request a Returns Goods Authorisation Form (RGA).

When the unit is returned the item MUST be labelled, and/or have the relevant paperwork. Please note that any unit returned to us without an RGA number or correct paperwork will not be inspected or looked at.



There is a minimum charge of £90 net applicable when inspecting a standard clamp. This charge applies whether the clamps are repaired or scrapped and an order number will need to be provided prior to the return. Special clamp inspection costs will be advised accordingly. The standard repair cost for a clamp is £90 net plus the cost of any spares used.

Clear instructions will be necessary if units are to be scrapped, or to be returned if a repair is not carried out. Return carriage costs will be applicable. Please note that CMCO will dispose of any clamp not repaired, or requested for return, after 6 weeks.

TRAINING COURSES

Are your staff certified?

As part of Columbus McKinnon Corporation's (CMCO) distributor support programme, the company offers a variety of training courses. Our trainers are leaders in their field and they provide courses designed to help employers and users operate hoists, clamps and other equipment safely and efficiently.

The curriculum includes subjects such as hoist maintenance and fault finding, inspection and safe use of height safety equipment and where and how to use plate lifting clamps. Experienced CMCO training staff have the unrivalled support and expertise of one of the world's leading designers and manufacturers of lifting equipment, ensuring practical and thorough training in line with current legislation.

Examples of training courses available:

- Lodestar training schools
- Safe use of lifting clamps
- Height safety equipment product awareness
- Inspection & repair of manual chain hoists
- Repair & maintenance of electric chain hoists



MARKETING SUPPORT

Continuing our commitment to our distribution partners, we have developed many product / industry specific brochures, product charts, safety posters, flyers, interactive CD's, DVD's, videos, and websites.

Please contact our marketing department for all literature, posters, images, videos, photographs, web site advice, CDs, fonts, or logos.

We are happy to release the copyright of all our images for use on distributors web sites or in their own brochures providing that prior written consent is obtained from Columbus McKinnon Corporation Limited.

GROUP WEB SITES:

www.cmco.eu (Europe)
www.cmworks.com (USA)

BRAND SPECIFIC WEB SITES:

www.camlok.co.uk
www.steerman.co.uk



For additional November 2021 catalogues please add article: 192053245 to any purchase order and include the quantity required.

THE BRANDS

COLUMBUS McKINNON Corporation

Yale
HOISTS

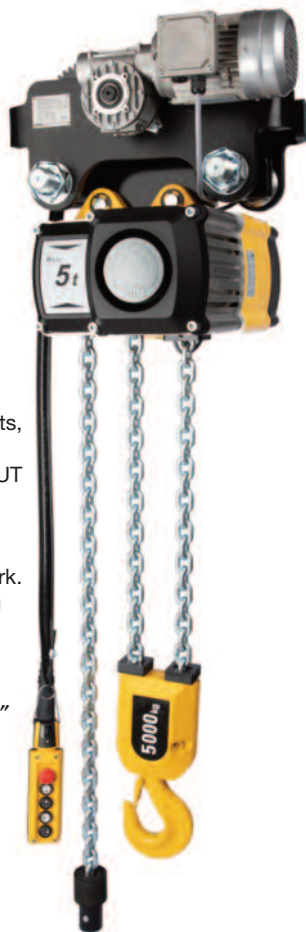
Yale Industrial Products

Instantly recognisable, the Yale name is synonymous with quality hoisting equipment and has been since 1877 when Linus Yale, Jr. produced the first spur geared hand chain hoist with the Weston Screw Brake.

Now, 146 years on, we still lead the industry with new and innovative products, like the revolutionary Yale*lift* 360° hand chain hoist and the new Yale*ERGO*360° UT ratchet lever hoist.

Our reputation has been built in close association with our distribution network. Supplying industry with a range of lifting equipment which is second to none.

"Britain's No. 1 Name for Lifting!"



STEERMAN
LOAD MOVING SYSTEMS

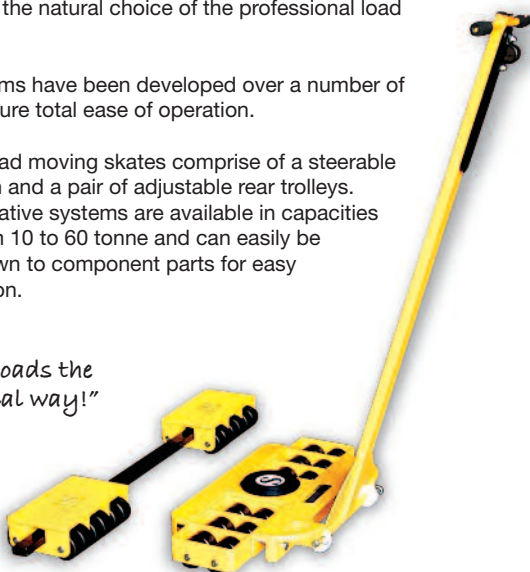
Steerman Load Moving Systems

A worldwide supplier of load moving equipment, with outlets throughout Europe, Africa, Asia and North America, Steerman is the natural choice of the professional load movers.

These systems have been developed over a number of years to ensure total ease of operation.

Steerman load moving skates comprise of a steerable front section and a pair of adjustable rear trolleys. These innovative systems are available in capacities ranging from 10 to 60 tonne and can easily be stripped down to component parts for easy transportation.

"Moving loads the professional way!"



PFAFF
silberblau

Pfaff-silberblau

Established in 1867, Pfaff-silberblau is the leading manufacturer of electric and manual winches in Europe. Available in capacities from 125kg up to 7500kg and with over 1000 variations the Pfaff range of winches is second to none.



Pfaff also offer a comprehensive range of manual and electric hand pallet trucks, pedestrian manual and powered stacker trucks, and manual and electric scissor tables.

"Movability is a question of creative technology"

CM

CM Industrial Products

With more than a century of experience providing products and solutions for industrial manufacturing and construction, the CM brand has developed a loyal following with users around the globe.

The Lodestar electric chain hoist is requested by name due to its reputation for durability and long life. The CM name represents a legacy of expertise in the market.

"A workhorse trusted for generations!"



Camlok

Camlok Lifting Clamps

With over 60 years experience in design, manufacture and supply of below the hook lifting clamps and grabs, the name Camlok is known and trusted throughout the world.

As the UK's largest manufacturer of clamps and grabs, Camlok pride themselves on their extensive standard product range and their ability to offer solutions to most lifting applications.

Camlok's top priority has always been safety, and as such offer professional training sessions for authorised distributors and their customers.

"Lifting safety to new heights!"





Yale®

Industrial Products



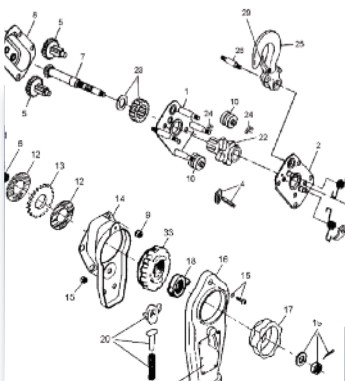
Camlok

Lifting Clamps



PFAFF

silverblau



Original Spare Parts

Yale ERGO 360 RATCHET LEVER HOIST

**NEW UTILITY
VERSION**

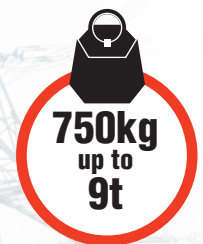
Designed for optimum efficiency and safety

Redefining lever-operated hoists, the YaleERGO features the evolutionary crank handle that allows for efficient operation in both lifting and pulling applications. Ergonomically designed for increased safety, the patent pending YaleERGO lets the operator work up to 12 times faster and with as much as 30% less effort than with conventional ratchet lever tools.

- Crank handle made of durable polyamide with a heavy-duty steel core for rugged use.
- Effective operation from any angle with a handle that folds down and locks into position on either side of the lever.
- The design keeps the operator's body aligned with the load chain, reducing the risk of the twist effect – when a hoist twists around the chain. No need to use a second hand to stabilize the hoist.
- Operator can securely grip the grooved, no-slip handle.
- Optional Overload Protection device £139.10



SCAN ME



Utility Version

Special applications such as overhead line construction require specialist lifting equipment.

In accordance with EN 1808 - Safety requirements for suspended access equipment, 8.9.2, the new YaleERGO UT is supplied fitted with an automatically acting safety device, which offers even more security when used in overhead line construction or similar areas.

The innovative safety device, patent-pending, which prevents a sudden load drop or run through works when a certain speed is exceeded during use as well as during inactive phases – especially when the device has been left under tension for long periods of time.

The system safely absorbs the load after only 25-50mm of chain movement preventing the creation of larger dynamic forces which could cause further damage.

Another highlight is the possibility of being able to lift at any time - even after the safety device has been triggered. By simply turning the hand lever a full turn in the lift direction, the safety device is automatically unlocked. It can then be returned to its original position at the push of a button. This means that the device can be removed and checked at any time with minimal effort and/or downtime.



UT version shown
in photographs



Type	Capacity (WLL) kg	Falls of load chain	Chain dimensions mm	Lifting height mtr	Closed height mm	Handle effort at WLL daN	Handle effort at WLL with crank daN	Weight @ std. HOL kg	Price @ std. HOL £	*Additional lifting height £/mtr HOL
ERGO	750	1	5.6 x 17.1	1.5	320	21	20	6.6	£454.75	£14.20
ERGO	1500	1	7.1 x 21	1.5	375	31	24	9.5	£497.55	£17.47
ERGO	3000	1	10 x 28	1.5	445	43	35	16.8	£651.63	£29.48
ERGO	6000	2	10 x 28	1.5	563	46	37	28.6	£857.07	£58.96
ERGO	9000	3	10 x 28	1.5	695	50	41	49.5	£1578.25	£88.44
ERGO UT**	1500	1	7.1 x 21	1.5	375	31	24	9.8	£585.29	£17.47
ERGO UT**	3000	1	10 x 28	1.5	445	43	35	18.1	£776.82	£29.48
ERGO UT**	6000	2	10 x 28	1.5	563	46	37	29.8	£967.91	£58.96
ERGO UT**	9000	3	10 x 28	1.5	695	50	41	50.4	£1707.72	£88.44



*Additional heights of lift are sold as complete metres only.

**UT Version is fitted as standard with chain claw (left). See page 204 for full details.



Spare parts for the
YaleERGO are on
pages 125-129

Yale UNOplus - Series A RATCHET LEVER HOIST

**NEW
MODEL**

Yale's best selling lever hoist just got a bit better!

The NEW and improved Yale UNOplus-Series A is the upgraded version of the best selling UNOplus. It is a versatile ratchet lever hoist designed for pulling, lifting, and lashing of loads. Its features include a compact design, robust stamped steel construction, and a favourable price / efficiency ratio.

The new unit is even lighter in weight and comes complete with a free chaining device as standard that serves to quickly attach the load or to pull the chain through the hoist in both directions.

The UNOplus-Series A is available as a 'Standard' lever hoist, an ATEX unit, or a UTILITY version specifically for overhead line construction.



SCAN ME

Utility Version

Special applications such as overhead line construction require specialist lifting equipment.

In accordance with EN 1808 - Safety requirements for suspended access equipment, 8.9.2, the new UNOplus-Series A UT is supplied fitted with an automatically acting safety device, which offers even more security when used in overhead line construction or similar areas.

The automatic locking safety device prevents a sudden drop (patent pending). It guarantees permanent monitoring and is active during operation as well as during inactive moments without the user having to activate it. In case of emergency, i.e. after failure of the load pressure brake and consequently exceeding the specified speed, the safety gear will automatically activate. It safely absorbs the load, preventing the creation of larger dynamic forces which could cause further damage.



ATEX

BASIC II 3 G Ex h IIA T4 Gc
BASIC II 3 D Ex h IIIA T135° Dc

Type	Capacity (WLL) kg	Falls of load chain	Chain dimensions mm	Lifting height mtr	Closed height mm	Weight @ std. HOL kg	Price £	*Additional lifting height £/mtr HOL
Standard	750	1	5.6 x 17.1	1.5	312	6.3	£170.67	£14.20
Standard	1500	1	7.1 x 21	1.5	375	9.2	£197.74	£17.47
Standard	3000	1	10 x 28	1.5	445	16.9	£297.78	£24.02
Standard	6000	2	10 x 28	1.5	563	28.6	£450.79	£48.04
ATEX	750	1	5.6 x 17.1	1.5	312	6.3	£204.80	£14.20
ATEX	1500	1	7.1 x 21	1.5	375	9.2	£237.30	£17.47
ATEX	3000	1	10 x 28	1.5	445	16.9	£357.34	£24.02
ATEX	6000	2	10 x 28	1.5	563	28.6	£540.95	£48.04
Utility	1500	1	7.1 x 21	1.5	375	9.5	£438.97	£17.47
Utility	3000	1	10 x 28	1.5	445	17.8	£582.62	£24.02
Utility	6000	2	10 x 28	1.5	563	29.5	£800.36	£48.04

*Additional heights of lift are sold as complete metres only.

**UT Version is fitted as standard with chain claw (left). See page 204 for full details.



*** Main image shows the UT version**

HANDY 'SMALLEST' RATCHET LEVER HOISTS

The smallest and lightest ratchet lever hoist in the Yale range

Capacities: 250 - 500kg

Due to the multitude of application possibilities, e.g. industry, trade, and service, this ratchet lever hoist really is indispensable. The extremely low tare weight and very compact design makes the hoist easy to use, even in very confined working conditions.

Features include:

- Enclosed design protects internal parts from contamination.
- The short handlever is fitted with an ergonomic rubber grip.
- All parts of the disc type load brake are manufactured from high quality materials and are corrosion protected.
- 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 hooks with robust safety latches.



SCAN ME

* Spare parts are on pages 134-135



Model	Capacity (WLL) kg	Falls of load chain	Chain dimensions mm	Lifting height mtr	Closed height mm	Weight @ std. HOL kg	Price £	*Additional lifting height £/mtr HOL
Handy 250	250*	1	4 x 12	1.5	240	2.2	£101.54	£12.01
Handy 500	500	1	4 x 12	1.5	282	2.8	£115.73	£12.01

*Additional heights of lift are sold as complete metres only.

PT 'PRESSED STEEL' RATCHET LEVER HOISTS

The most universal lever hoist in Yale's range

Capacities: 800 - 6300kg

The proven pressed steel housing of the PT ratchet lever hoist provides an extremely low weight without limiting the reliability and sturdiness of the unit. Low operating effort and low overall height are further outstanding features.

The standard free chaining device serves to quickly attach the load or to pull the chain through the hoist in both directions.

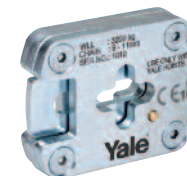
Adjustable chain end stops:

YKST have been developed as an additional protection against brake failure. Full details shown on page 204.



SCAN ME

* PT spares are on pages 136-139



Model	Size	Article no.	Suitable for chain mm/inch	Capacity WLL kg	Price £
YKST 1600	1	N00100115	5.6 - 8mm	1600	£69.52
YKST 3200	2	N00100110	9 - 11mm	3400	£88.56

Model	Capacity (WLL) kg	Falls of load chain	Chain dimensions mm	Lifting height mtr	Closed height mm	Weight @ std. HOL kg	Price std. unit £	*Add. lift height £/mtr HOL
PT 800	800	1	5.6 x 17.1	1.5	290	5.5	£290.43	£14.20
PT 1600	1600	1	7.1 x 21.2	1.5	330	9.6	£426.91	£17.47
PT 3200	3200	1	9 x 27.2	1.5	430	16.0	£579.77	£22.93
PT 6300	6300	2	9 x 27.2	1.5	580	31.0	£837.44	£45.86

*Additional heights of lift are sold as complete metres only.



VSIII HAND CHAIN HOISTS

Hand chain hoist model VSIII

Capacities: 250 - 50000kg

The Yale VSIII hand chain hoist combines all the features expected by the user: - Quality, Safety, and Performance - at a favourable price.

***SUITABLE FOR FLEETING.** For further details please contact the sales office.

Extremely low overall height allows for optimal use of headroom. Fully enclosed stamped steel housing allows for outdoor use. The hooks are equipped with robust safety latches and can rotate 360°.

Having many years of experience with this solid product, Yale have now extended the VSIII series by adding load capacities 10t, 20t, 30t and 50t.



SCAN ME

SUITABLE FOR FLEETING*



Model	Capacity (WLL) kg	Falls of load chain	Standard lift height mtr	Weight at std HOL kg	Standard unit £	**Additional HOL £/mtr	Chain containers* to suit hol mtr	price £
VSIII 0.25/1	250	1	3	4.9	£144.12	£22.93	12	£70.97
VSIII 0.5/1	500	1	3	9.0	£150.68	£25.11	12/18	£77.52/£82.98
VSIII 1.0/1	1000	1	3	11.5	£177.97	£25.11	12	£88.44
VSIII 2.0/1	2000	1	3	19.0	£264.22	£28.39	12	£103.73
VSIII 2.0/2	2000	2	3	17.3	£253.30	£39.30	6	£88.44
VSIII 3.0/1	3000	1	3	31.0	£362.49	£34.94	10/20	£125.56/£141.94
VSIII 3.0/2	3000	2	3	27.0	£347.20	£45.86	6	£103.73
VSIII 5.0/2	5000	2	3	43.0	£508.80	£58.96	5/10	£125.56/£141.94
VSIII 10/4	10000	4	3	78.5	£1274.18	£107.00	-	-
VSIII 20/8	20000	8	3	197	£2434.80	£214.00	-	-
VSIII 30/12	30000	12	3	268	£3842.18	£310.09	-	-
VSIII 50/18	50000	18	3	540	£18031.68	£454.20	-	-

*Other chain containers are available on request.

**Additional heights of lift are sold as complete metres only.

VSIII spare parts are on pages 156-163

Yale MINI360 HAND CHAIN HOISTS

INTRODUCING OUR NEW

Yale MINI360

Capacities 250 and 500kg

The new Yale MINI360 is made of die-cast aluminium, is very light weight, and easy to carry. It is the smallest of all Yale hand chain hoists and it is compact in design with a 360° rotating hand chain wheel cover that ensures a high level of safety, as it is possible to work outside of the danger zone.

Due to its size, the Yale MINI360 fits perfectly into every tool box and has countless application possibilities including assembly work, repair shops, or for use in conjunction with light weight aluminium gantries. They can also be used outdoors or in tough environments.

Features and benefits include:

- Compact design, light weight, easy to carry
- Made of aluminium alloy, safe and reliable
- Double pawl brake system providing increased safety
- High mechanical transmission efficiency and durability
- Galvanized load chain and hand chain with bright zinc finish
- Rotating hand chain cover allows hand chain to be pulled throughout 360°

250kg unit
only 84mm

* Handwheel
cover rotates 360°



Pull application



Lift application

360°

LIFT & POSITION
FROM ANY ANGLE



Model	Article	Capacity (WLL) kg	Falls of load chain	Chain dims. d x p mm	Lifting height mtr	Lift per 1m hand chain overhaul mm	Closed height mm	Weight @ std HOL kg	Price £	**Additional HOL £/mtr
Yale-MINI360 250	192084199	250	1	3 x 9 T	3	40	245	2.7	£211.86	£30.11
Yale-MINI360 500	192084200	500	1	4 x 12 T	3	25	285	4.1	£228.98	£22.92

**Additional heights of lift are sold as complete metres only.

Yalelift 360[®] MK III HAND CHAIN HOISTS

SUITABLE FOR FLEETING*

Revolutionary hand chain hoist

A hand chain hoist which opens up huge new opportunities: With our innovative design things are really beginning to move. The Yalelift 360[®] opens up a new world of safety for the operator. The range of applications as well as the operating conditions have been changed by a revolutionary hand chain cover.

The key to this innovation is our revolutionary 360[°] rotating hand chain cover, which allows operation of the hand chain from virtually any position, even in extremely confined areas. The Yalelift 360[®] can be operated at the side of the load or from any other position including horizontal pulling. **The plane between top and bottom hook must always be in a straight line. A deration of the W.L.L. may apply.**

***SUITABLE FOR FLEETING.** For further details please contact the sales office.

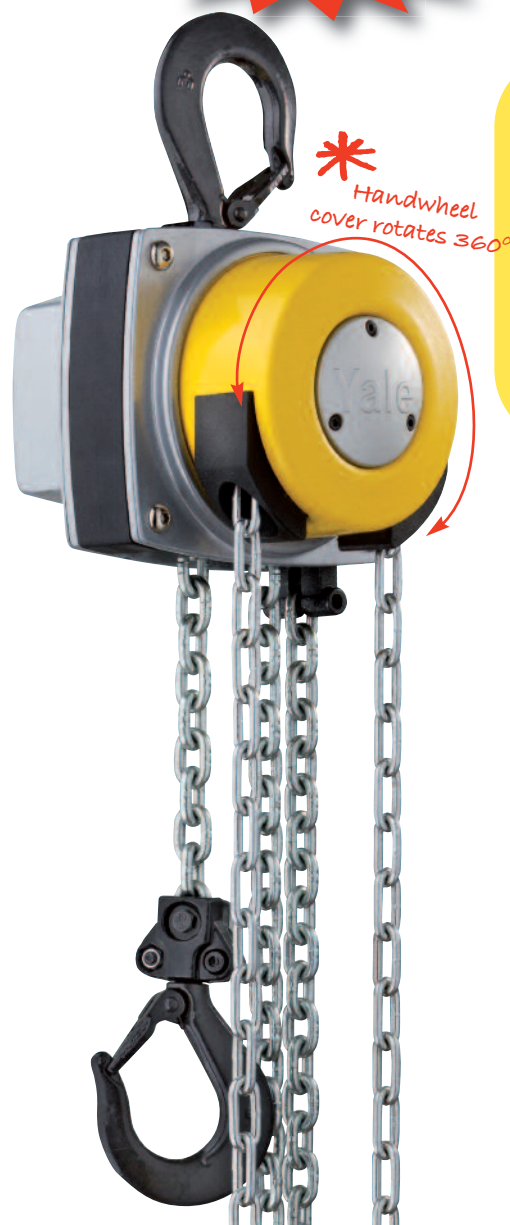
More flexibility gives greater safety - operators can now work outside of the immediate danger zone reducing the risk of operator injury.

Safety under control: The Yalelift 360[®] for heavy industrial applications will revolutionise every operation. By means of the 360[°] rotating hand chain cover, the user can operate the hoist from all directions and is no longer directly within the danger zone as before.



You choose: The Yalelift 360[®] can be operated safely and efficiently from all positions, even from the side of the load. This means more safety and greater flexibility of the working position.

Work from above: The flexibility of the Yalelift 360[®] allows the operator to work from directly above the load. The advantage of this application is you can have a long lift whilst using a relatively short hand chain. The revolutionary chain guide ensures a precise and smooth chain operation at all times.



*The standard unit is supplied with zinc plated load chain and zinc plated hand chain.

**The corrosion resistant unit is supplied with stainless steel hand chain and zinc plated load chain. If you require stainless steel load chain please see page 17.

Model	Capacity (WLL) kg	Falls of load chain	Chain dims. mm	Lifting height mtr	Closed height mm	Weight @ std HOL kg	Epoxy powder coat			****Corrosion resistant	
							*standard unit Price £	*c/w overload protection Price £	***Additional HOL £/mtr	**standard unit Price £	***Additional HOL £/mtr
YL 500	500	1	5 x 15	3	300	9	£201.99	£319.91	£25.11	£371.23	£68.79
YL 1000	1000	1	6 x 18	3	335	13	£236.93	£366.86	£25.11	£423.63	£68.79
YL 2000	2000	1	8 x 24	3	395	20	£340.66	£469.49	£28.39	£500.06	£72.06
YL 3000	3000	1	10 x 30	3	520	29	£474.95	£592.87	£41.49	£711.88	£79.70
YL 5000	5000	2	10 x 30	3	654	38	£699.87	£827.61	£61.14	£1065.63	£115.73
YL 10000	10000	3	10 x 30	3	825	71	£1373.53	£1496.91	£102.63	£1921.63	£146.30
YL 20000	20000	6	10 x 30	3	1300	196	£3905.50	£4175.18	£216.18	£4974.41	£292.61

Additional heights of lift are sold as complete metres only. *CR units with overload protection available on request.

Canvas chain containers to suit Yalelift 360:

Capacity kg	6 mtr of chain		12 mtr of chain		18 mtr of chain	
	Part no.	£	Part no.	£	Part no.	£
500 / 1	N04600001	£64.41	N04600024	£69.88	N04600029	£79.70
1000 / 1	N04600002	£70.97	N04600025	£80.80	N04600030	£90.62
2000 / 1	N04600003	£93.90	N04600026	£100.45	N04600031	£108.09
3000 / 1	N04600004	£100.45	N04600027	£107.00	N04600032	£114.64
5000 / 2	N04600005	£102.63	N04600028	£109.18	N04600033	£120.10

* spare parts for the Yalelift hand chain hoists are on pages 150-155

Yalelift 360[®] MK III 'LOW HEADROOM' TROLLEY HOISTS

Hand chain hoist with integrated, low headroom, push or geared travel trolley

Capacities: 500 - 20000kg

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

Features include:

- All units of this series up to a capacity of 3000 kg are provided with single chain fall and the min. headroom (Dim. A) has been further reduced. Ideal for applications with low ceilings and limited headroom.
- The proven and almost stepless adjustment system allows quick and easy assembly of the trolley.
- Trolleys up to 5000kg are offered for two beam ranges. Range A for a flange width up to 180mm is standard and covers approx. 80 % of all requirements. Conversion to range B for beam width up to 300mm can be easily accomplished.
- The trolley wheels are designed for a max. beam profile incline of 14 % (DIN 1025 - part 1), excellent rolling features are guaranteed by prelubricated, encapsulated ball bearings.
- Anti-drop and anti-tilt devices as standard.

Options:

- Overload prevention device.
- Chain container.
- Rubber buffers (shown in photograph on the right available as optional extra).
- Explosion proof version (see page 18-19).
- Beam locking device to secure the unloaded trolley in a fixed position on the beam (park position e.g. on ships). Available up to a capacity of 5000kg.
- Ultra low headroom version (YLLHP/G) available upon request.



ATEX

Protection classification
See pages 18 & 19



SCAN ME

Yalelift ITP INTEGRAL PUSH TROLLEY HOISTS

Model	Capacity (WLL) kg	Falls of load chain	Lifting height mtr	Curve radius min. mtr	Beam width mm	**Closed height mm	Weight @ 3mtr HOL kg	Standard finish 3mtr HOL price £	*Add. HOL £/mtr	Corrosion resistant 3mtr HOL price £	*Add. HOL £/mtr
YLITP A 500	500	1	3	0.9	50 - 180	245	20	£415.99	£25.11	£727.16	£68.79
YLITP B 500	500	1	3	0.9	180 - 300	245	21	£464.03	£25.11	£775.20	£68.79
YLITP A 1000	1000	1	3	0.9	50 - 180	272	27	£490.23	£25.11	£821.06	£68.79
YLITP B 1000	1000	1	3	0.9	180 - 300	272	29	£538.27	£25.11	£869.10	£68.79
YLITP A 2000	2000	1	3	1.15	58 - 180	323	44	£668.20	£28.39	£1026.32	£72.06
YLITP B 2000	2000	1	3	1.15	180 - 300	323	46	£722.80	£28.39	£1076.55	£72.06
YLITP A 3000	3000	1	3	1.5	74 - 180	382	77	£947.71	£41.49	-	-
YLITP B 3000	3000	1	3	1.4	180 - 300	382	79	£1003.40	£41.49	-	-
YLITP A 5000	5000	2	3	2.0	98 - 180	550	125	£1386.63	£72.06	-	-
YLITP B 5000	5000	2	3	1.8	180 - 300	550	129	£1508.91	£72.06	-	-

*Additional heights of lift are sold as complete metres only. **Ultra low headroom version (YLLHP/G) is also available. Prices on request.

Yalelift ITG INTEGRAL GEARED TROLLEY HOISTS

Model	Capacity (WLL) kg	Falls of load chain	Lifting height mtr	Curve radius min. mtr	Beam width mm	**Closed height mm	Weight @ 3mtr HOL kg	Standard finish 3mtr HOL price £	*Add. HOL £/mtr	Corrosion resistant 3mtr HOL price £	*Add. HOL £/mtr
YLITG A 500	500	1	3	0.9	50 - 180	245	24	£496.79	£36.03	£825.43	£123.38
YLITG B 500	500	1	3	0.9	180 - 300	245	25	£544.82	£36.03	£873.47	£123.38
YLITG A 1000	1000	1	3	0.9	50 - 180	272	33	£572.12	£36.03	£920.41	£123.38
YLITG B 1000	1000	1	3	0.9	180 - 300	272	34	£620.16	£36.03	£968.46	£123.38
YLITG A 2000	2000	1	3	1.15	58 - 180	323	49	£691.13	£39.30	£1125.68	£126.66
YLITG B 2000	2000	1	3	1.15	180 - 300	323	50	£742.45	£39.30	£1175.91	£126.66
YLITG A 3000	3000	1	3	1.5	74 - 180	382	82	£1026.32	£52.41	£1446.68	£139.75
YLITG B 3000	3000	1	3	1.4	180 - 300	382	84	£1075.54	£52.41	£1500.18	£139.75
YLITG A 5000	5000	2	3	2.0	98 - 180	550	130	£1430.30	£82.98	£2110.52	£170.32
YLITG B 5000	5000	2	3	1.8	180 - 300	550	134	£1552.59	£82.98	£2185.86	£170.32
YLITG B 10000	10000	3	3	1.8	125 - 310	784	202	£3692.59	£113.55	£5241.91	£200.90
YLITG B 20000	20000	6	3	9.5	180 - 310	on request	on request	£5577.10	£216.18	£7677.80	£347.20

*Additional heights of lift are sold as complete metres only. **Ultra low headroom version (YLLHP/G) is also available. Prices on request.

CORROSION RESISTANT HOISTS WITH STAINLESS CHAINS



Increased life expectancy

All models of the Yalelift 360° programme can be supplied with corrosion resistant features and be fitted with stainless steel load and hand chain.

Corrosion starts on the surface of components due to reaction of environmental influences. This affects the mechanical properties of the components, e.g. breakingload and total ultimate elongation.

Many components are supplied in black (unmachined), bright (machined) or painted condition. This offers certain protection but after only a short period of time corrosion can begin. With the application of a protective coating, the development of corrosion can be reduced and delayed, thus extending the service life of the treated components.

Units are corrosion resistant using the Delta Protekt KL 100 process, including the bottom hooks and are all fitted with stainless steel load and hand chain.

Applications

Completely corrosion resistant units with stainless steel hand and load chains should be used in all conditions with increased requirements towards corrosion protection.

Typical applications are in food processing (e.g. dairy, abattoir, etc.), chemical industries (e.g. paper, dye industries), farming and sewage treatment.



ATEX

Protection classification
See pages 18 & 19

360°



Yalelift 360° 'CR' HAND CHAIN HOISTS WITH STAINLESS STEEL CHAINS

Capacity (WLL) kg	Falls of load chain	Lifting height mtr	Closed height mm	Beam width mm	Weight @ std. height kg	Price @ 3mtr HOL £	**Additional HOL £/m
500	1	3	300	-	9	£505.52	£113.55
900	1	3	335	-	13	£565.57	£115.73
1500	1	3	395	-	20	£673.66	£129.93
2500	1	3	520	-	29	£894.21	£145.21
5000	2	3	654	-	38	£1430.30	£235.84

Yalelift ITP 'CR' INTEGRAL PUSH TROLLEY HOISTS WITH STAINLESS STEEL CHAINS

Capacity (WLL) kg	Falls of load chain	Lifting height mtr	Type 'A'		Type 'B'		Closed height mm	*Price @ 3mtr HOL £	**Additional HOL £/mtr
			Beam width mm	Weight kg	Beam width mm	Weight kg			
500	1	3	50 - 180	20	180 - 300	21	245	£861.46	£113.55
900	1	3	50 - 180	27	180 - 300	29	272	£961.91	£115.73
1500	1	3	58 - 180	44	180 - 300	46	323	£1202.11	£129.93

Yalelift ITG 'CR' INTEGRAL GEARED TROLLEY HOISTS WITH STAINLESS STEEL CHAINS

Capacity (WLL) kg	Falls of load chain	Lifting height mtr	Type 'A'		Type 'B'		Closed height mm	Price @ 3mtr HOL £	**Additional HOL £/mtr
			Beam width mm	Weight kg	Beam width mm	Weight kg			
500	1	3	50 - 180	24	180 - 300	25	245	£868.01	£168.14
900	1	3	50 - 180	32	180 - 300	33	272	£1198.84	£170.32
1500	1	3	58 - 180	49	180 - 300	50	323	£1439.04	£184.52
2500	1	3	74 - 180	82	180 - 300	84	382	£1766.59	£199.80
5000	2	3	98 - 180	130	180 - 300	134	550	£2612.77	£290.43

*Prices shown are for range A. Range B prices available on request.

**Additional heights of lift are sold as complete metres only.

ATEX HOISTS AND TROLLEYS

Why explosion protection?

Explosion protection for electrical and mechanical machinery is an important precautionary measure to ensure the safety of persons and all kinds of production, storage and distribution systems, when explosive mixtures of combustible gases, dusts and air may occur.



What does explosion protection achieve?

Explosion protection can mean to generally prevent the ignition of an explosive mixture. Explosion protection can also be achieved by eliminating potential ignition sources in advance, e.g. high temperatures and sparking.

In many trades and industries, combustible gases, vapours and dusts are handled which have the potential to cause explosions.

Examples of explosion hazards:

- Chemical industry
- Waste disposal sites
- Energy production companies
- Waste management companies
- Gas suppliers
- Metal processing companies
- Wood-processing companies
- Paint shops
- Agriculture
- Food and feed-stuffs industry
- Pharmaceutical industry
- Refineries
- Recycling companies



For full technical specification and application details please contact the sales team for the NEW comprehensive ATEX product brochure.

All of Yale's ATEX hoists meet the following standards: EN1127-1:1997; EN13463-1:2001; EN13463-5:2003, and are supplied complete with the relevant ATEX approval documentation.



Levels of protection:

Columbus McKinnon offer three levels of protection - BASIC, MEDIUM, and HIGH.

Under directive 94/9/EC, equipment for areas with an explosion hazard are assigned to groups, categories and temperature classes. This is necessary as the requirements for equipment need not be the same for every application and for every hazard classification.


BASIC

 II 3 G Ex h IIA T4 Gc
II 3 D Ex h IIIA T135°C Dc

- Unit special coated.
- Load chain galvanic zinc-plated, stainless steel hand chain.
- Top hook and load hook special coated.
- Trolleys special coated with buffers.
- Plain roller special coated.
- Brake with cooling element (Yalelift range only).



MEDIUM

 II 2 G Ex h IIB T4 Gb
II 2 D Ex h IIIB T135°C Db

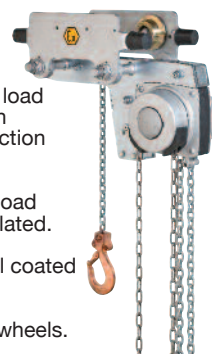
- Unit special coated.
- Load chain galvanic zinc-plated, stainless steel hand chain.
- Top hook and load hook copper plated.
- Trolleys special coated with buffers.
- Bronze trolley wheels.
- Brake with cooling element (Yalelift range only).



HIGH

 II 2 G Ex h IIC T4 Gb
II 2 D Ex h IIIC T135°C Db

- Unit special coated.
- Stainless steel load and hand chain (Capacity reduction may apply).
- Top hook and load hook copper plated.
- Trolleys special coated with buffers.
- Bronze trolley wheels.
- Brake with cooling element (Yalelift range only).



NB: It is the responsibility of the end user to identify the explosion proof classification required, NOT the hoist manufacturer or the supplier. Reference ATEX Directive 2014/34/EC.

ATEX HOISTS AND TROLLEYS

UNOplus-Series A RATCHET LEVER HOISTS - ATEX

Capacity (WLL) kg	ATEX level	Falls of load chain	Lifting height mtr	Chain dimensions mm	Closed height mm	Weight @ 1.5mtr HOL kg	Price @ 1.5mtr HOL £	*Additional HOL £/mtr
750	Basic	1	1.5	5.6 x 17.1	312	6.3	£204.80	£14.20
1500	Basic	1	1.5	7.1 x 21	375	9.2	£237.30	£17.47
3000	Basic	1	1.5	10 x 28	445	16.9	£357.34	£24.02
6000	Basic	2	1.5	10 x 28	563	28.6	£540.95	£48.04

*Additional heights of lift are sold as complete metres only.

Yalelift 360° HAND CHAIN HOISTS - ATEX

Capacity (WLL) kg	ATEX level	Falls of load chain	Lifting height mtr	Chain dimensions mm	Closed height mm	Weight @ 3mtr HOL kg	Price @ 3mtr HOL £	*Additional HOL £/mtr
500	Medium	1	3	5 x 15	300	9	£1067.82	£68.79
1000	Medium	1	3	6 x 18	335	13	£1134.41	£68.79
2000	Medium	1	3	8 x 24	395	20	£1490.36	£72.06
3000	Medium	1	3	10 x 30	520	29	£1970.77	£79.70
5000	Medium	2	3	10 x 30	654	38	£2595.30	£102.63
10000	Medium	3	3	10 x 30	825	71	£4376.09	£145.21
20000	Medium	6	3	10 x 30	1300	196	£7329.50	£253.03

*Additional heights of lift are sold as complete metres only.

Yalelift ITP INTEGRAL PUSH TROLLEY HOISTS - ATEX

Capacity (WLL) kg	ATEX level	Falls of load chain	Lifting height mtr	Type 'A'		Type 'B'		Closed height mm	Price @ 3mtr HOL £	*Additional HOL £/mtr
				Beam width mm	Weight kg	Beam width mm	Weight kg			
500	Medium	1	3	50 - 180	20	180 - 300	21	245	£1550.41*	£68.79
1000	Medium	1	3	50 - 180	27	180 - 300	29	272	£2094.14*	£68.79
2000	Medium	1	3	58 - 180	44	180 - 300	46	323	£2835.50*	£72.06

*Additional heights of lift are sold as complete metres only.

Yalelift ITG INTEGRAL GEARED TROLLEY HOISTS - ATEX

Capacity (WLL) kg	ATEX level	Falls of load chain	Lifting height mtr	Type 'A'		Type 'B'		Closed height mm	Price @ 3mtr HOL £	**Additional HOL £/mtr
				Beam width mm	Weight kg	Beam width mm	Weight kg			
500	Medium	1	3	50 - 180	24	180 - 300	25	245	£2077.77*	£123.38
1000	Medium	1	3	50 - 180	32	180 - 300	33	272	£2641.16*	£123.38
2000	Medium	1	3	58 - 180	49	180 - 300	50	323	£3382.51*	£126.66
3000	Medium	1	3	74 - 180	82	180 - 300	84	382	£4355.40*	£139.75
5000	Medium	2	3	98 - 180	130	180 - 300	134	550	£6404.71*	£170.32
10000	Medium	3	3	-	-	180 - 310	202	784	£9455.30	£200.90
20000	Medium	6	3	-	-	180 - 310	on request	on request	£17259.75	£347.20

*Prices shown are for range A. Range B prices available on request.

**Additional heights of lift are sold as complete metres only.



Also available in explosion protection:

- BETA-EX electric winch.
- OMEGA-EX manual winch.
- HTP/G manual trolleys.
- Yalelift LH ultra low headroom.
- CPA-ATEX pneumatic chain hoist.



VLRP / VLRG SWIVEL TRUCK TROLLEY HOISTS



MADE IN
USA



Swivel truck low headroom hoist with integrated push or geared trolley

Capacities: 250 - 6000kg

The hand chain hoist series VLR with integrated manual trolley drive features extremely low headroom capabilities and provides optimal usage of the available storage space in confined areas.

Hand wheel and gear case are positioned outside the reach of the bottom flange, thus allowing the bottom block to be raised almost to the underside of the beam. The swivel truck feature of the trolley suspension enables travelling on extremely tight radius curves.

Features include:

- All-steel construction with zinc-plated load and hand chains.
- Swivel trolley designed for runways with extremely narrow radius.
- All units are built to order for a predetermined beam dimension. They cannot be adjusted retrospectively to other beams.
- Anti-drop and anti-tilt devices as standard.

Options:

- Overload protection, chain containers and buffers.

** Beam profile and dimensions, as well as the radius of the curve, must always be specified at the time of order.*

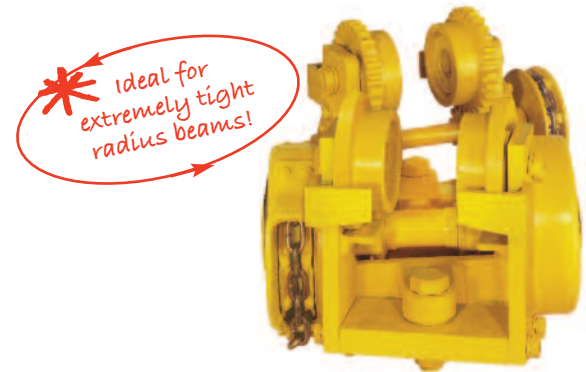
Model	Capacity (WLL) kg	Minimum beam width mm	Maximum beam width mm	Max. beam thickness mm	Minimum curve radius mm	Pull on hand chain at WLL daN	Weight	
							VLRP kg	VLRG kg
VLRP/G 0.25	250	67	117	16	533	8	58	66
VLRP/G 0.5	500	67	117	16	533	16	58	66
VLRP/G 1.0	1000	76	117	16	533	32	58	66
VLRP/G 1.5	1500	86	140	16	762	26	113	122
VLRP/G 2.0	2000	86	140	16	762	35	115	123
VLRP/G 3.0	3000	102	178	16	1066	19	158	172
VLRP/G 4.0	4000	102	178	16	1066	27	160	175
VLRP/G 5.0	5000	117	200	22	1219	33	213	227
VLRP/G 6.0	6000	117	200	22	1219	41	213	227

VLRP (PUSH) DIMENSIONS

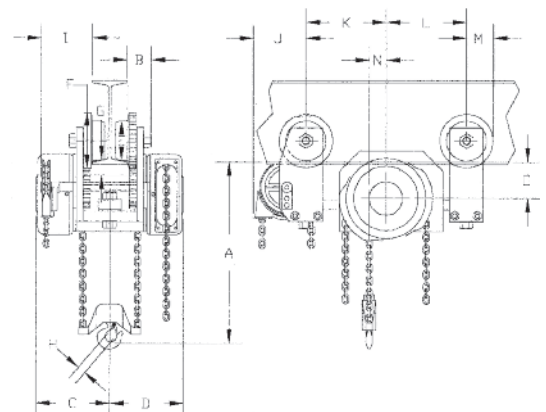
Model	VLRP 0.25	VLRP 0.5	VLRP 1.0	VLRP 1.5	VLRP 2.0	VLRP 3.0	VLRP 4.0	VLRP 5.0	VLRP 6.0
A, mm	157	157	157	171	171	210	234	252	252
B, mm	51	51	51	56	56	68	65	71	71
C, mm	167	167	167	220	220	250	250	257	257
D, mm	167	167	167	220	220	250	250	257	257
E, mm	95	95	95	114	114	162	162	182	182
F, mm	127	127	127	152	152	203	203	229	229
G, mm	22	22	22	16	16	24	24	22	22
H, mm	25	25	25	29	29	34	42	42	42
K, mm	184	184	184	289	289	294	294	294	294
L, mm	165	165	165	194	194	195	195	223	223
M, mm	64	64	64	77	77	101	101	114	114
N, mm	35	35	35	77	77	77	77	77	77
O, mm	75	75	75	48	48	87	87	98	98

VLRG (GEARED) DIMENSIONS

Model	VLRG 0.25	VLRG 0.5	VLRG 1.0	VLRG 1.5	VLRG 2.0	VLRG 3.0	VLRG 4.0	VLRG 5.0	VLRG 6.0
A, mm	157	157	157	171	171	210	234	252	252
B, mm	51	51	51	56	56	68	65	71	71
C, mm	167	167	167	220	220	250	250	257	257
D, mm	167	167	167	220	220	250	250	257	257
E, mm	95	95	95	114	114	162	162	182	182
F, mm	127	127	127	152	152	203	203	229	229
G, mm	22	22	22	16	16	24	24	22	22
H, mm	25	25	25	29	29	34	42	42	42
I, mm	119	119	119	182	182	206	206	216	216
J, mm	95	95	95	159	159	155	155	176	176
K, mm	184	184	184	289	289	294	294	294	294
L, mm	165	165	165	194	194	195	195	223	223
M, mm	64	64	64	77	77	101	101	114	114
N, mm	35	35	35	77	77	77	77	77	77
O, mm	75	75	75	48	48	87	87	98	98



** Ideal for extremely tight radius beams!*

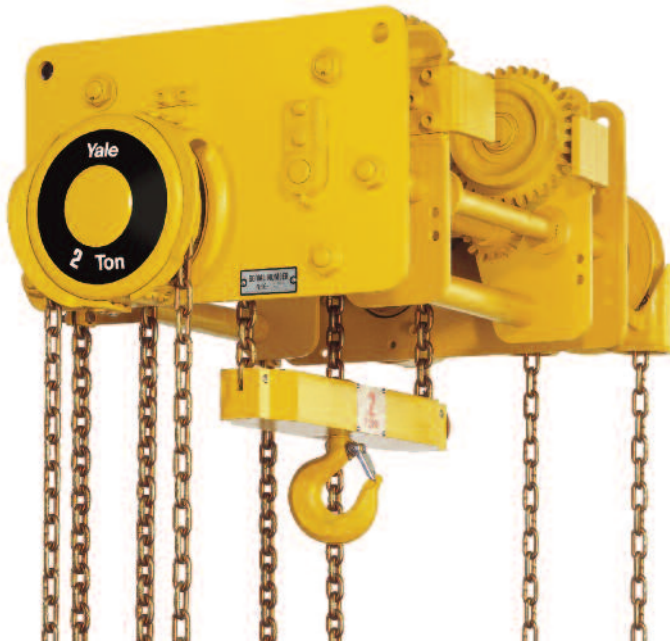


! Yale hoists and trolleys are not designed for passenger elevation applications and must not be used for this purpose.

VNRP / VNRG LOW HEADROOM TROLLEY HOISTS



MADE IN
USA



Compact low head room hoist with integrated push or geared trolley

Capacities: 1500 - 24000kg

On account of a special chain reeving system and corresponding chain guide the trolley hoist series VNRG offers minimum headroom and maximum usage of the available headroom. These hoists have been specially designed for heavy industrial applications.

Features include:

- All-steel construction with zinc-plated load and hand chains.
- All units are built to order for a predetermined beam dimension. They cannot be adjusted retrospectively to other beam sizes.
- Anti-drop and anti-tilt devices as standard.

Options:

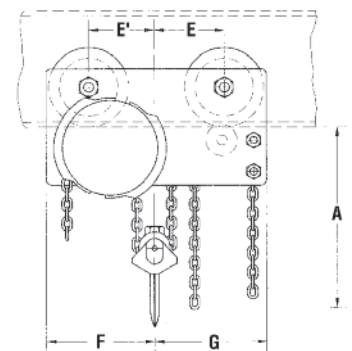
- Chain containers and buffers.
- Overload protection device.

** Beam profile and dimensions, as well as the radius of the curve, must always be specified at the time of order.*

Model	Capacity (WLL) kg	Closed height mm	Minimum curve radius mm	Pull on hand at WLL daN	Weight	
					VNRP kg	VNRG kg
VNRP/G 1,5	1500	159	2000	19	95	105
VNRP/G 2,0	2000	159	2000	25	96	107
VNRP/G 3,0	3000	188	2000	20	140	153
VNRP/G 4,0	4000	203	2300	26	141	156
VNRP/G 5,0	5000	223	2600	36	263	290
VNRP/G 6,0	6000	223	2600	43	263	290
VNRP/G 8,0	8000	280	2900	30	298	354
VNRP/G 10,0	10000	292	3000	40	469	507
VNRP/G 12,0	12000	292	—	47	469	507
VNRP/G 16,0	16000	346	—	31	734	771
VNRP/G 20,0	20000	438	—	40	895	968
VNRP/G 24,0	24000	438	—	47	895	968

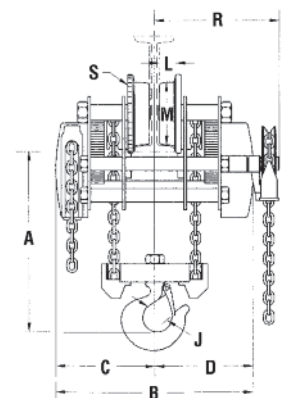
VNRP (PUSH) DIMENSIONS

Model	VNRP 1.5	VNRP 2.0	VNRP 3.0	VNRP 4.0	VNRP 5.0	VNRP 6.0	VNRP 8.0	VNRP 10.0	VNRP 12.0	VNRP 16.0	VNRP 20.0	VNRP 24.0
A, mm	159	159	188	203	222	222	279	292	346	438	438	438
B, mm	518	518	518	518	667	667	667	667	667	772	772	772
C, mm	259	259	259	259	333	333	333	333	333	386	386	386
D, mm	259	259	259	259	333	333	333	333	333	386	386	386
E, mm	130	130	168	168	187	187	225	216	216	302	308	308
E', mm	130	130	168	168	187	187	225	248	248	302	314	314
F, mm	222	222	270	270	305	305	356	397	397	473	489	489
G, mm	210	210	270	270	305	305	343	365	365	473	483	483
J, mm	29	29	34	34	34	34	52	57	57	76	92	92
L, mm	29	29	34	34	36	36	43	44	44	51	51	51
M, mm	114	114	162	162	183	183	210	248	248	298	298	298
R, mm	332	332	332	332	419	419	419	419	419	477	468	468
S, mm	152	152	203	203	229	229	254	297	297	343	343	343



VNRG (GEARED) DIMENSIONS

Model	VNRG 1.5	VNRG 2.0	VNRG 3.0	VNRG 4.0	VNRG 5.0	VNRG 6.0	VNRG 8.0	VNRG 10.0	VNRG 12.0	VNRG 16.0	VNRG 20.0	VNRG 24.0
A, mm	159	159	188	203	222	222	279	292	292	346	438	438
B, mm	518	518	518	518	667	667	667	667	667	772	772	772
C, mm	259	259	259	259	333	333	333	333	333	386	386	386
D, mm	259	259	259	259	333	333	333	333	333	386	386	386
E, mm	130	130	168	168	187	187	225	216	216	302	308	308
E', mm	130	130	168	168	187	187	225	248	248	302	314	314
F, mm	222	222	270	270	305	305	356	397	397	473	489	489
G, mm	210	210	270	270	305	305	343	365	365	473	483	483
J, mm	29	29	34	34	34	34	52	57	57	76	92	92
L, mm	29	29	34	34	36	36	43	44	44	51	51	51
M, mm	114	114	162	162	183	183	210	248	248	298	298	298
R, mm	332	332	332	332	419	419	419	419	419	477	468	468
S, mm	152	152	203	203	229	229	254	297	297	343	343	343



** Please contact the sales team with your enquiry to receive a quotation.*

INTRODUCING OUR NEW STEEL

Yaletrac ST



SCAN ME

Pulling force: 500 - 3200 daN

The portable Yaletrac ST steel cable puller is a versatile tool for pulling, lifting, lowering, tensioning and securing loads over long distances. It has been specially designed for applications in industry, building construction, civil engineering, power line construction, ship building and oil refineries etc. The Yaletrac ST cable puller is almost service free – easy to use and safe.

Cable pullers model Yaletrac ST feature a housing of dimensionally stable deep-drawn steel plates ensuring a compact and robust design. The hand operating forces have been noticeably optimised for the user by the application of axial ball bearings.

Features and benefits include:

- Stable upright positioning of the unit due to the combination of handle and foot.
- Space-saving telescopic hand lever that can be safely attached to the unit by means of a hook and-pile fastener. Short handle lever for Y05 ST not telescopic.
- Overload protection is provided by a shear pin. Spare shear pins are conveniently located in the carrying handle. A broken pin can be replaced without removing the load.
- Yaletrac ST uses a special flexible rope. It has six strands with a steel core and is identified by an orange strand. The rope is tapered at one end for easy threading and is fitted with an eye sling hook with safety latch on the other end.
- The parallel arrangement of the clamping system protects the rope by distributing the clamping forces evenly. A long rope advance per each lever stroke increases the working speed.
- Increased service life of the unit due to the use of rubber sleeves which prevent dirt and dust from penetrating into the mechanical equipment of the unit.
- Positioning of the forward and reversing levers in tandem provides a slim design and ensures optimal power transfer.
- A lever disengages the rope clamp system allowing easy and smooth installation of the rope.
- The large opening in the top of the unit allows easy cleaning: simply flush the unit with water and apply motor oil for lubrication and the Yaletrac ST is again ready for use.



Y05ST is supplied complete with wire rope, hook, and webbing sling.

Shoulder bag is available as optional extra.



500kg
up to
3.2t

Every Yaletrac® cable puller is factory tested with overload and is supplied with an EC Declaration of Conformity, showing the serial number and an operating instruction manual.

TECHNICAL DATA / PRICES

Model	Capacity (WLL) kg	Rope advance per double stroke in mm	Lever pull at WLL daN	Weight without rope kg	Rope weight kg/mtr	Unit complete with cable Y05 = 10m / Y10-32 = 20m		Base unit only	
						Article no.	£	Article no.	£
Y05ST	500	20	30	2.8	0.10	192043685	£191.07	N02400016	£131.02
Y10ST	1000	60	23	8.5	0.29	N02400012	£369.04	N02400009	£216.18
Y16ST	1600	60	28	15.8	0.53	N02400013	£424.73	N02400010	£248.94
Y32ST	3200	40	46	27.2	1.00	N02400015	£816.70	N02400011	£589.59

Carrying bag for Y05ST is available as optional extra. 192043741 £44.77 list.

Yaletrac® 'ALUMINIUM' CABLE PULLERS

THE ORIGINAL ALUMINIUM

Yaletrac

Pulling force: 800 - 3200 daN

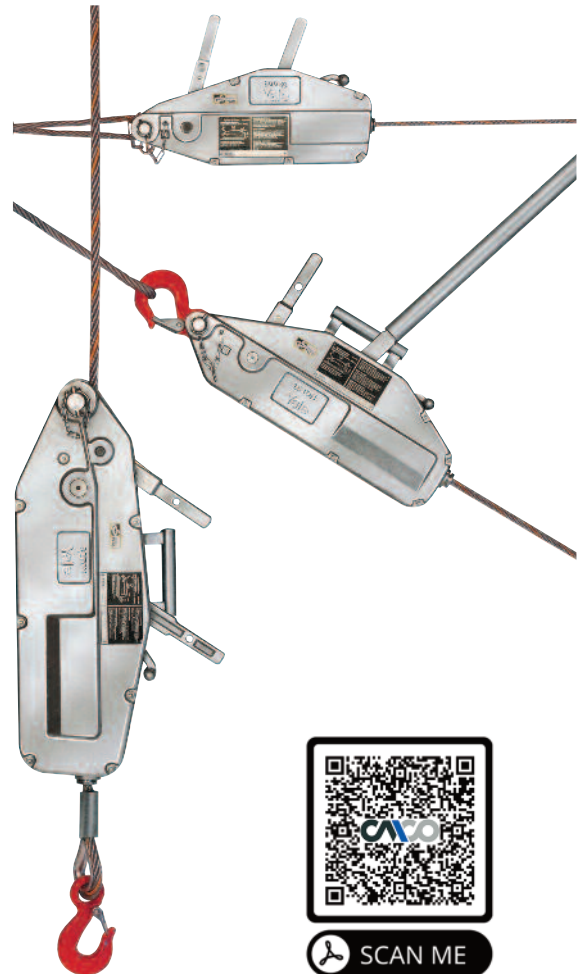
The Yaletrac® range of portable cable pullers provide a versatile tool for pulling, lifting, lowering, tensioning, and securing loads over long distances. They are easy and safe to use and are almost service free.

They are light weight, compact, high strength aluminium alloy housing with a large flat bottom surface for increased stability in horizontal as well as vertical working positions.

Specifically designed for applications within industry, building construction, civil engineering, ship building, power line construction, and oil refineries, etc. Yale also manufacture an 'all steel' unit designed specifically for the mining industry.

Features and benefits include:

- Forward and reversing levers, operating in tandem provide slim design and assure power transfer along the centre line.
- A lever disengages the rope clamp system allowing easy and smooth installation / removal of the wire rope.
- Overload protection is provided by a shear pin in the forward operating lever. Spare shear pins are conveniently located in the carrying handle or operating lever.
- Large opening in the top of the units allows easy cleaning: simply flush the unit with a bucket of water, apply motor oil for lubrication and the Yaletrac® is ready for use again.
- The Yaletrac® cable pullers use a special flexible wire rope. It has six strands with a steel core. The rope is tapered at one end for easy threading and fitted with an eye sling hook with safety latch on the other end.



Every Yaletrac® cable puller is factory tested with overload and is supplied with an EC Declaration of Conformity, showing the serial number and an operating instruction manual.


TECHNICAL DATA / PRICES

Model	Capacity (WLL) kg	Rope advance per double stroke in mm	Lever pull at WLL daN	Weight without rope kg	Rope weight kg/mtr	Yaletrac unit complete with 20mtr of cable		Base unit only	
						Article no.	£	Article no.	£
Y08	800	60	24	7	0.29	N02409594	£289.34	N02409053	£173.60
Y16	1600	60	30	14	0.53	N02409595	£424.73	N02409054	£248.94
Y32	3200	40	50	21	1.00	N02409597	£816.70	N02409055	£589.59

OPERATING ROPES

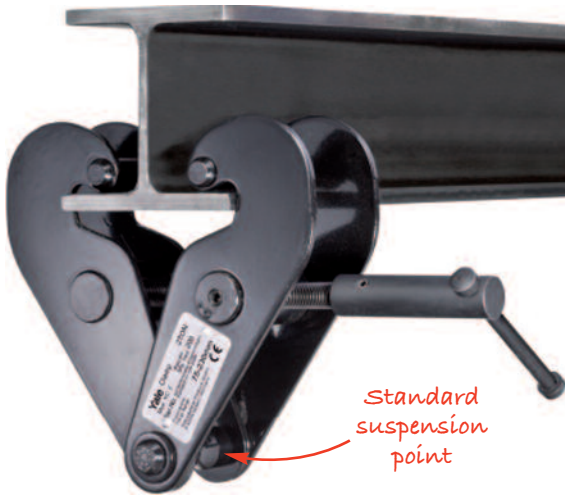
Model	10 mtr length (Special order only)		20 mtr length (Standard stock item)		30 mtr length (Special order only)	
	Article No.	£	Article No.	£	Article No.	£
Y08	192050648	£89.53	N02500003	£115.73	192050649	£184.52
Y16	192050650	£105.91	N02500004	£175.79	192050651	£233.66
Y32	N02500005	£148.49	N02500006	£227.10	192040418	£333.01

• All ropes are fused and tapered at one end. The other end terminates with eye hook in a heart shaped thimble secured by a mechanical splice.

 Spare parts for all Yaletrac cable pullers can be found in the spare parts section at the back of this catalogue on pages 144-149

YC 'STANDARD' BEAM CLAMPS

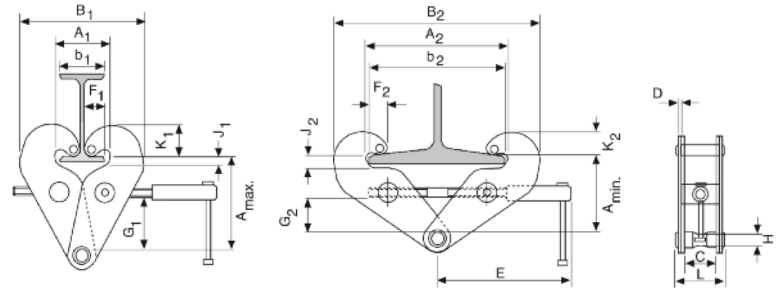
**BEST
SELLER**



Beam clamp model YC

Working load limit (WLL) 1000 - 10000kg

The YC beam clamp provides a quick and versatile rigging point for hoisting equipment, pulley blocks or loads and comes complete with a locking device. The unit offers flexible applications, due to the wide adjustment range. The central threaded spindle allows easy attachment and a safe and secure grip to the beam flange.



NB. THIS MODEL MUST NOT BE USED FOR LIFTING. IT IS ONLY TO BE USED AS A SUSPENSION POINT.

Model	A min. mm	A max. mm	A1 mm	A2 mm	B1 mm	B2 mm	b1 mm	b2 mm	C mm	D mm	E mm	F1 mm	F2 mm	G1 mm	G2 mm	H mm	J1 mm	J2 mm	K1 mm	K2 mm	L mm
YC1	115	150	78	246	186	350	75	230	50	4	215	34	17	82	44	20	14	21	48	31	84
YC2	115	150	78	246	186	350	75	230	50	6	215	35	18	82	44	20	14	21	50	32	94
YC3	180	225	80	320	232	455	80	320	70	8	255	35	21	120	75	22	30	34	60	40	122
YC5	180	225	90	310	242	445	90	310	70	10	255	35	21	116	75	28	30	34	60	42	129
YC10	175	220	90	320	268	480	90	320	70	14	275	35	20	110	66	38	34	35	60	40	146

Model	Capacity (WLL) kg	Article number	Beam width mm	Weight kg	Price £
YC1	1000	N05406181	75 - 230	3.8	£69.88
YC2	2000	N05406182	75 - 230	4.6	£76.43
YC3	3000	N05407417	80 - 320	9.2	£100.45
YC5	5000	N05407418	90 - 320	11.0	£129.93
YC10	10000	N05407419	90 - 320	17.2	£187.80

SC92 BEAM CLAMPS WITH SHACKLE



Model	Capacity (WLL) kg	Beam width mm	Weight kg	Price £
SC92-1	1000	75 - 210	5.0	£139.75
SC92-2	2000	75 - 210	6.0	£147.40
SC92-3	3000	100 - 270	8.0	£181.25
SC92-3/L	3000	75 - 305	9.0	£176.44
SC92-5	5000	100 - 270	10.0	£267.50
SC92-5/L	5000	75 - 305	12.0	£326.46
SC92-10	10000	75 - 305	19.0	£520.80
SC92-15	15000	75 - 305	35.0	£849.45
SC92-20	20000	300 - 410	87.0	£1852.84

The SC92 beam clamp provides a quick and versatile rigging point for hoisting equipment, pulley blocks or loads. The unit offers flexible applications due to the wide adjustment range. The shackle suspension allows easy attachment of lifting devices. The clamp offers a safe and secure grip to the beam flange.

NB. THIS MODEL MUST NOT BE USED FOR LIFTING. IT IS A SUSPENSION POINT.

HTP/G PUSH AND GEAR TRAVEL TROLLEYS

HIGHER CAPACITIES

Push trolley model HTP Gear trolley model HTG

Capacities: 500 - 50000kg

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

Features include:

- It has excellent rolling features due to machined steel wheels mounted on prelubricated, encapsulated ball bearings.
- Adjustable to fit a wide range of beam widths and profiles (e.g. INP, IPE and IPB).
- Adjustments are made by rotating the clevis load bar which also ensures the centred positioning of the hoist in the clevis – no creeping to the left or the right.
- The trolley wheels are designed for a max. beam profile incline of 14 % (DIN 1025 - part 1).
- Trolleys are in accordance with the UVV and machinery directives.

Options:

- Rotating hand chain guide.
- Lock nuts.
- *Corrosion resistant units are supplied with stainless steel hand chain on geared units.
- Buffers.
- ATEX classification.
- Locking device to secure the trolley in position on the beam (park position e.g. on ships).



ATEX
Available in explosion
proof version on request.



SERIES EXTENDED
NEW HIGHER WLL
UP TO 50 TONNES

HTP (PUSH TRAVEL)

Capacity (WLL) kg	Beam width mm	Weight kg	Standard units £	Corrosion resistant £	Capacity (WLL) kg	Beam width mm	Weight kg	Standard unit £	Corrosion resistant £
Type 'A'					Type 'B'				
500	50 - 220	8.0	£93.90	£208.54	500	160 - 300	10.6	£111.37	£478.23
1000	50 - 220	9.0	£131.02	£277.32	1000	160 - 300	12.0	£152.86	£541.55
2000	66 - 220	16.0	£175.79	£358.12	2000	160 - 300	19.3	£205.27	£591.77
3000	74 - 220	32.0	£295.89	-	3000	180 - 300	35.8	£333.01	-
5000	90 - 220	48.0	£481.50	-	5000	180 - 300	52.2	£505.52	-

HTG (GEAR TRAVEL)

Capacity (WLL) kg	Beam width mm	Weight kg	Standard units £	*Corrosion resistant £	Capacity (WLL) kg	Beam width mm	Weight kg	Standard unit £	*Corrosion resistant £
Type 'A'					Type 'B'				
500	50 - 220	9.7	£183.43	£336.29	500	160 - 300	12.6	£198.71	£456.39
1000	50 - 220	11.2	£219.46	£364.68	1000	160 - 300	14.1	£232.56	£516.44
2000	66 - 220	18.0	£268.59	£473.86	2000	160 - 300	21.3	£284.97	£564.48
3000	74 - 220	35.4	£355.94	£588.50	3000	180 - 300	39.2	£382.14	£752.27
5000	90 - 220	51.8	£489.14	£829.80	5000	180 - 300	56.0	£528.45	£997.94
-	-	-	-	-	10000	125 - 310	104.0	£914.96	£1637.75
-	-	-	-	-	20000	125 - 310	230.0	£2486.11	£3223.10
-	-	-	-	-	30000	175 - 305	248.0	£3407.62	-
-	-	-	-	-	50000	175 - 305	489.0	£6653.66	-

- 2.5 metre hand chain drop is fitted as standard to the HTG trolleys to suit 3 metre HOL.
- £10.91 per additional complete metre HOL (zinc plated hand chain) on standard finish HTG units.
- £54.59 per additional complete metre HOL (stainless steel hand chain) on corrosion resistant HTG units.
- Optional beam locking device available on request. Please contact the sales team for your quotation.
- Locking nuts available on request - 500kg N4300006187 £8.73, 1000kg N4300006188 £13.10, 2000kg N4300006189 £26.20

CTP 'INTEGRAL' TRAVEL TROLLEY BEAM CLAMPS

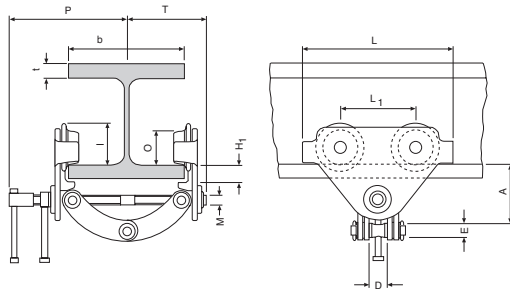
Trolley clamp model CTP

Capacities: 1000 - 3000kg

The easy installation to any beam makes the CTP suitable for fixing to any hoists, pulleys and loads you wish to move.

It can be adjusted quickly to the beam width by turning the main spindle and safety is ensured by the special locking lever.

The spindle and snap-pin stops are galvanised to protect against corrosion.



Model	Dimensions											
	A mm	D mm	E mm	H1 mm	I mm	L mm	L1 mm	M mm	O mm	P mm	T mm	t max. mm
CTP 1	82 - 109	26	22	20	53	160	75	M12	46	153	105	15
CTP 2-A	106 - 155	42	20	24	71.5	260	130	M18	60	205	139	25
CTP 2-B	136 - 191	42	20	24	71.5	260	130	M18	60	255	189	25
CTP 3-A	128 - 171	50	22	30.5	95.5	310	150	M24	80	220	155	25
CTP 3-B	150 - 212	50	22	30.5	95.5	310	150	M24	80	280	215	25

Model	Capacity (WLL) kg	Article number	Beam width mm	Minimum curve radius m	Weight kg	Price £
CTP - 1	1000	N05500024	60 - 150	0.6	2.5	£146.30
CTP - 2A	2000	N05500025	75 - 200	0.9	9.9	£208.54
CTP - 2B	2000	N05500026	200 - 300	0.9	10.3	£284.97
CTP - 3A	3000	N05500027	75 - 200	1.15	17.5	£291.52
CTP - 3B	3000	N05500028	200 - 320	1.15	19.5	£323.18

NOTE: These trolleys are not designed for passenger elevation applications and must not be used for this purpose!

BA BULB BAR ANCHORS

The BA bulb bar anchor has been designed for attachment to bulb profiles, often found in ship compartments and engine rooms, and provides a semi-permanent suspension point. The clamp can be quickly and easily attached via the screw mechanism.

The fabricated light weight design ensures a firm grip onto the bulb section. The unique large bow hook ring gives easy connection for all types of lifting machines.

Model	WLL kg*	Max. bulb hp	Weight kg*	Price £*
BA0.75	750	80 - 160	3	£182.34
BA1.5	1500	160 - 240	4	£216.18
BA3.0	3000	240 - 320	5.5	£351.57
BA6.0	6000	320 - 430	12.5	£459.66

***Per clamp. • Please contact our sales team for full technical drawings.**

NB. THIS MODEL MUST NOT BE USED FOR LIFTING. IT IS A SUSPENSION POINT.



VTE-U ELECTRIC TRAVEL TROLLEYS

Electric travel trolley VTE-U

Capacities: 1000 - 5000kg

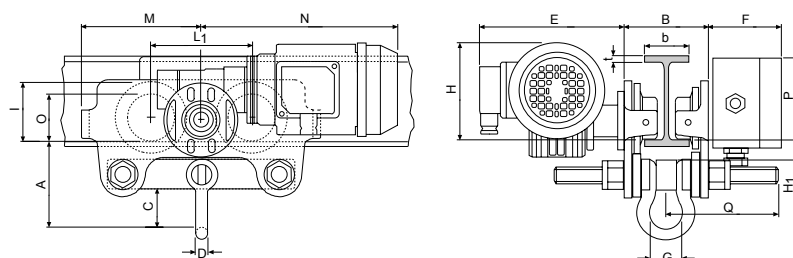
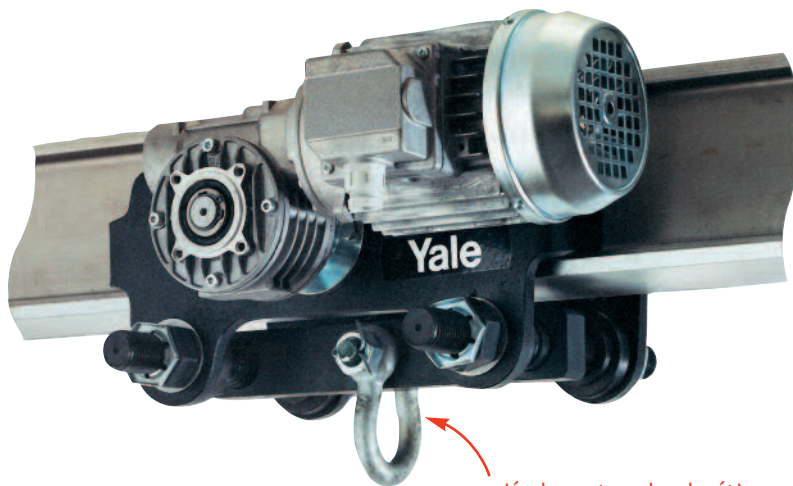
Specially recommended for loads over 1000kgs, for transporting over long distances, and/or for frequent use. Suitable for almost all hoists with suspension hook, due to Yale's universal shackle connection.

Travel motor with worm gear transmission ensures smooth start and self braking - a separate motor brake is not required.

Features include:

- Low voltage control 42v
- Standard operating voltage 400v 3ph 50Hz. (110v and 230v 1ph 50Hz trolleys are also available.
- Motors protected to IP 55 against dust and water jets. Push-button pendant control IP65.
- Compact, robust frame with low overall height.
- Wheels manufactured from fracture-proof steel. Smooth running due to machined surfaces and ball bearing mounting. Cambered wheel profile suitable for flat and inclined beam profiles.
- Anti-drop and anti tilt devices as standard.
- Easily adjustable to fit a wide range of beam widths and profiles via due to threaded load bars.
- Rubber buffers available as optional extra.
- Travel limit switches also available.

NOTE: These trolleys are not designed for passenger elevation applications and must not be used for this purpose!



Model	VTE 1-A-18/U	VTE 1-B-18/U	VTE 2-A-18/U	VTE 2-B-18/U	VTE 3-A-11/U	VTE 3-B-11/U	VTE 5-A-11/U	VTE 5-B-11/U
A, mm	113	113	115	115	139	139	161	161
B, mm	b + 50	b + 50	b + 54	b + 54	b + 60	b + 60	b + 70	b + 70
C, mm	49	49	47	47	57	57	60	60
D, mm	16	16	16	16	19	19	22	22
E, mm	187	187	187	187	202	202	202	202
F, mm	94	94	94	94	94	94	94	94
G, mm	43	43	43	43	51	51	58	58
H, mm	129	129	128	128	144	144	178	178
H1, mm	24	24	24	24	32	32	32	32
I, mm	77	77	98	98	133	133	149	149
L1, mm	130	130	150	150	180	180	209	209
M, mm	155	155	180	180	208	208	263	263
N 1 speed, mm	255	255	255	255	292	292	292	292
N 2 speed, mm	263	263	263	263	296	296	296	296
O, mm	60	60	80	80	112	112	125	125
P, mm	123	123	123	123	129	129	121	121
Q, mm	145	205	153	213	160	220	182	242

Model	Capacity (WLL) kg	Travel speed m/min	Motor kW	Beam width		Flange thickness mm	Min. curve radius		Weight kg	400v price without controls £	400v price inc. L.V. controls £
				A mm	B mm		A mtr	B mtr			
VTE 1-A/B-18/U*	1000	18	0.18	58 - 180	180 - 300	19	0.90	0.90	19.5	£716.25	£1161.71
VTE/F 1-A/B-18/U*	1000	18/4.5	0.18/0.06	58 - 180	180 - 300	19	0.90	0.90	25.2	£771.93	£1303.66
VTE 2-A/B-18/U*	2000	18	0.18	58 - 180	180 - 300	19	1.15	1.15	26.0	£857.09	£1201.02
VTE/F 2-A/B-18/U*	2000	18/4.5	0.18/0.06	58 - 180	180 - 300	19	1.15	1.15	30.2	£934.61	£1387.73
VTE 3-A/B-11/U	3000	11	0.37	74 - 180	180 - 300	27	1.15	1.40	51.0	£982.66	£1428.12
VTE/F 3-A/B-11/U	3000	11/2.8	0.3/0.09	74 - 180	180 - 300	27	1.15	1.40	53.0	£1076.55	£1544.95
VTE 5-A/B-11/U	5000	11	0.37	98 - 180	180 - 300	27	2.0	1.80	77.0	£1086.37	£1534.03
VTE/F 5-A/B-11/U	5000	11/2.8	0.3/0.09	98 - 180	180 - 300	27	2.0	1.80	80.0	£1151.89	£1576.61

*11 or 11/2.8 m/min travel speed available on request. • Low voltage control c/w 2mtr, 2 button, pendant.

**Prices shown are for range A trolleys. Range B prices are available on request.

***** 110v trolleys (up to 2 tonnes) available upon request. Please contact the sales team for details.

WHICH ELECTRIC CHAIN HOIST DO YOU NEED?

Yale CPS

- Small and lightweight
- 125kg and 250kg
- 110v, 230v or 400v
- Top hook suspension only



Yale CPV

- Best selling Yale hoist
- Single or dual speed hoisting
- 250kg to 5000kg
- 400v 3ph 50Hz



Yale CPE

- Heavy duty
- 1.6 tonne to 10 tonne
- 400v 3ph 50Hz



CM Lodestar

- Tough and durable workhorse
- Designed for Hire Industry
- 110v, 230v, 400v
- 250kg to 3000kg



Questions to ask to help identify the correct electric chain hoist -

- ✓ **Duty rating:** ☐ Light ☐ Medium ☐ Heavy
- ✓ **Voltage:** ☐ 110v 1ph 50Hz ☐ 230v 1ph 50Hz ☐ 400v 3ph 50Hz ☐ Other _____
- ✓ **Capacity:** ☐ 125kg ☐ 250kg ☐ 500kg ☐ 1000kg ☐ 1600kg ☐ 2000kg ☐ 2500kg
☐ 3000kg ☐ 3200kg ☐ 5000kg ☐ 7500kg ☐ 10000kg ☐ Other _____kg
- ✓ **Suspension type:** ☐ Hook ☐ Lug ☐ Push trolley ☐ Single speed electric ☐ Dual speed electric
- ✓ **Falls of load chain:** ☐ Single fall ☐ Two fall ☐ No preference
- ✓ **Hoisting speed:** ☐ Single speed ☐ Two speed
- ✓ **Height of lift:** ☐ Standard 3mtrs ☐ Other _____mtrs
- ✓ **Pendant length/type:** ☐ Standard 2.5mtrs ☐ Other _____mtrs ☐ Radio remote control
- ✓ **Ambient conditions:** ☐ Normal ☐ Humidity ☐ Dust ☐ Dirt ☐ Temp _____°C
- ✓ **Chain container required:** ☐ Yes ☐ No
- ✓ **Weatherproof cover:** ☐ Yes ☐ No



Environment

Is the hoist to be used or stored outside?

If the answer is yes, then consideration must be given to the level of protection provided. ie: a rain cover, or a 'dog kennel' cover to park the hoist under when not in use or a higher level of enclosure specification. Can the hoist be easily removed for storage when not in use?

Consideration given now to the environment/climatic conditions will save considerable down time and maintenance costs later.

Power supply

Is there an adequate power supply available adjacent to the hoist location?

What is the distance between hoist and supply? In each case it is recommended that the supply cables and equipment are checked to ensure compatibility and that the installation conforms to the current UK and European standards.

Hoist operation

How long is the hoist in operation? How many load cycles per hour? or hours per day is it in use? What distance is covered per lifting cycle?

If you have any doubts or questions regarding which electric hoist to purchase or the application you are using it in please ask a member of the CMCO sales team prior to purchasing.



Photograph: A Yale CPS electric chain hoist left outside with no added protection.



One big little hoist.

It keeps lifting and lifting.

The CPS electric chain hoist can lift loads up to 250kg - **yet weighs from only 12kg.**

With an M4 high duty rating, the rugged CPS electric chain hoist keeps lifting and lifting - up to 240 motor starts per hour. It's easy to install and maintain, making it ideal for maintenance, jib and light crane systems.

The CPS electric chain hoist is built to the highest standards (just like all Yale products) and offers unequalled levels of build quality and reliability. Our one year warranty, repair and full after-sales service will allow you to recommend this excellent product with confidence.



Features and benefits include:

- ✓ Easy installation and maintenance.
- ✓ IP54 as standard.
- ✓ 48v Control voltage.
- ✓ Overload protection device as standard.
- ✓ 10-pocket oblique-lay lift wheel for smooth chain operation, constant chain speed and reduced chain wear.
- ✓ Optional impact-resistant chain container.
- ✓ Gear train lifetime lubricated with non-oxidising grease.
- ✓ Alloy load chain for smooth operation and maximum chain life.
- ✓ Thermally protected hoist duty motor.
- ✓ Rugged cast aluminium alloy hoist frame.
- ✓ 5 : 1 factor of safety.
- ✓ Small, compact design for commercial applications.
- ✓ Rigid latch-style upper hook prevents tangling of power cord.
- ✓ Hardened forged steel latch-style lower hook rotates 360° to prevent chain twist.
- ✓ Totally enclosed non-ventilated hoist frame protects the motor from environmental contamination.
- ✓ Precision bearings used in the hoist.
- ✓ Single phase models)
- ✓ Lightweight and portable.

Model	Capacity (WLL) kg	Power supply	Lifting speed m/min	Duty cycle % ED	Weight kg*	Price £*	**Add. mtr HOL £
CPS 110/1-4	125	110v 1ph 50hz	4	25	12	£1310.02	£22.93
CPS 230/1-4	125	230v 1ph 50hz	4	25	12	£1310.02	£22.93
CPS 400/1-4	125	400v 3ph 50hz	4	30	12	£1291.64	£22.93
CPS 400/1-10	125	400v 3ph 50hz	10	30	12	£1325.49	£22.93
CPS 110/2-2	250	110v 1ph 50hz	2	25	14	£1389.81	£37.12
CPS 230/2-2	250	230v 1ph 50hz	2	25	14	£1389.81	£37.12
CPS 400/2-2	250	400v 3ph 50hz	2	30	14	£1378.99	£37.12
CPS 400/2-5	250	400v 3ph 50hz	5	30	14	£1334.23	£37.12

* Above are based on a standard 3mtr HOL, with 2mtr pendant.

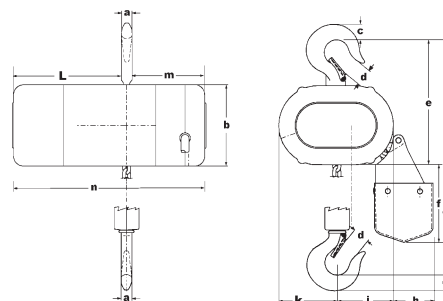
**Additional heights of lift are sold as complete metres only.

• Load chain: 4 x 12mm. • Raincoat: (Article no. N4300013113), £126.66

• Chain bags are **NOT** inc. as standard. See below for prices and size.

Chain bag	Maximum height of lift (mtr)		Price £
	125kg unit	250kg unit	
C2063	3	-	£42.59
C2064	6	3	£43.68
C2065	12	6	£85.16
C2066	24	12	£86.25
C2067	36	18	£96.09

Clearance dimensions



Rated capacity	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	j mm	k mm	l mm	m mm	n mm
125kg	14	103	21	22	159	98	276	53	75	76	225	150	375
250kg	14	103	21	22	159	98	304	53	60	89	225	150	375



Spare parts for the CPS are shown on pages 186-187

CPV/F ELECTRIC CHAIN HOISTS (400v 3Ph 50hz)

HIGH PERFORMANCE



SCAN ME

Electric chain hoist, model CPV/F, with suspension lug, hook or integrated travel trolley

Capacities: 250 - 5000kg

The Yale electric chain hoist, model CPVF, combines modern design and technical innovation.

A robust construction makes the series a versatile tool for industrial applications. Upper and lower limit switches considerably extend the working life span of the slipping clutch, motor, and gearbox.

Features include:

- Load sprocket and chain guide can easily be inspected or removed, without disassembly of the complete unit.
- Designed to FEM 1Am. H3 (HMI)
- Main line contactor for increased safety.
- Duty cycle 50% ED for single speed.
- Electromagnetic spring pressure brake holds the load safely even in the event of power failure.
- The externally adjustable slip clutch is designed to guarantee a permanent connection between the load and the brake.
- Motor classification H3 and protected to IP 55 against ingress of dust and water jets.
- Standard operating voltage: 400v, 3Ph, 50hz.
- Increased operating safety through 42v low voltage control with encapsulated pendant control to IP 65.
- Available with top hook suspension point or suspension lug for reduced headroom and easy integration into trolley applications (customer to specify at time of order).
- The oil bath lubricated gearbox contains case hardened helical cut gearing for smooth, low noise running, and enhanced lifetime.
- Fully compatible with the VTE/S range of trolleys.
- Operating temperature -10° to +40°

Optional extras:

- Suspension hook or lug.
- Manual and electric trolleys.
- Festoon cable system.
- Stainless steel load chain.
- Radio remote control.
- Other operating voltages.
- Thermal overload.
- High speed units up to 20mtr/per min are also available on request. P.O.A.
- Geared adjustable upper & lower limit switches.

Lug suspension option



Top hook suspension option



* Spare parts are shown on pages 164-180

250kg up to 5t

CPV/F ELECTRIC HOISTS (400v 3Ph 50hz)

HIGHER CAPACITIES

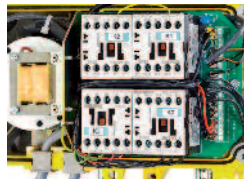
HIGH PERFORMANCE

Model	Capacity (WLL) kg / number of chain falls	Chain size d x p mm	Hoist speed(s) m/min	Manual suspension			Electric trolleys		
				Top hook or lug (3mtr HOL) £	Push trolley (3mtr HOL) £	*Additional HOL per mtr £	Single speed 18 m/m (3mtr HOL) £	Dual speed 18/4.5 m/m (3mtr HOL) £	*Additional HOL per mtr £
CPV/F 2-8	250 / 1	4 x 12.2	8/2	£1338.59	£1447.77	£22.93	£2130.18	£2317.97	£26.20
CPV/F 5-4	500 / 2	4 x 12.2	4/1	£1434.68	£1579.89	£37.12	£2228.44	£2403.68	£40.40
CPV 5-8	500 / 1	5 x 15.1	8	£1484.90	£1595.18	£30.57	£2320.16	£2494.84	£33.84
CPV/F 5-8	500 / 1	5 x 15.1	8/2	£1602.82	£1712.00	£30.57	£2431.52	£2600.75	£33.84
CPV 10-4	1000 / 2	5 x 15.1	4	£1589.71	£1715.27	£53.48	£2429.34	£2602.94	£55.68
CPV/F 10-4	1000 / 2	5 x 15.1	4/1	£1709.82	£1828.82	£52.41	£2537.43	£2707.75	£55.68
CPV 10-8	1000 / 1	7.1 x 20.5	8	£1984.96	£2195.68	£39.30	£2952.32	£3127.02	£42.59
CPV/F 10-8	1000 / 1	7.1 x 20.5	8/2	£2168.39	£2378.02	£39.30	£3129.20	£3299.53	£42.59
CPV 20-4	2000 / 2	7.1 x 20.5	4	£2113.80	£2333.25	£69.88	£3097.54	£3272.23	£73.16
CPV/F 20-4	2000 / 2	7.1 x 20.5	4/1	£2297.23	£2511.23	£69.88	£3271.14	£3446.93	£73.16
CPV/F 25-8	2500 / 1	11 x 31	8/2	£3562.66	£4238.51	£57.87	£4939.47	£5048.66	£61.14
CPV/F 50-4	5000 / 2	11 x 31	4/1	£3971.01	£4646.86	£107.00	£5359.82	£5458.09	£110.27

*Additional heights of lift are sold as complete metres only.

• Above prices are based on a standard 3mtr HOL, with 2mtr pendant, excluding chain bag and are for range A trolleys where applicable.
 • Hoist raincoats: Small (2-8/5-4) 192019775 £114.64, Medium (5-8/10-4) N4300007425 £125.56, Large (10-8/20-4) N4300007426 £158.32
 X-Large (25-8/50-4) 192060024 £168.33 • VTE/F Motor raincoat up to 2t: N06799999 £64.44 • Clutch adjusting tool N4300008856 £53.52
 • 5 pin plug L1/L2/L3/N+PE N00610177 £30.79

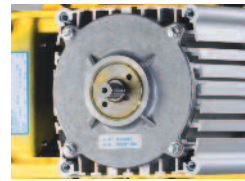
Model	Type of suspension*		
	Net weight lug/top hook kg	Net weight push trolley kg	Net weight electric trolley** kg
CPV/F 2-8	19	28	33
CPV/F 5-4	21	30	35
CPV 5-8	21	30	35
CPV/F 5-8	27	42	50
CPV 10-4	28	43	51
CPV/F 10-4	29	44	52
CPV 10-8	58	77	84
CPV/F 10-8	59	78	85
CPV 20-4	63	82	89
CPV/F 20-4	64	83	90
CPV/F 25-8	85	147	161
CPV/F 50-4	on request	on request	on request



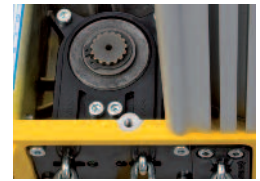
Increased operating safety through 42v low voltage control.



Encapsulated pendant control and radio remote control to IP 65.



Externally adjustable slipping clutch.
Adjust. tool: N4300008856



Integrated limit switches, and easily removable chain sprocket & guide.

* Radio remote control is available as an optional extra. See page 36 for details.



SCAN ME

*Weight for standard 3mtr hol.

**Add 2kg for dual speed electric trolley (VTE/F).

LOAD CHAIN COLLECTORS

Model	-	N06900043	N06900036	N06900003	N06900004	N06900005	N06900006	N06900007	N06900014	N06900015	N06900016	N06900041
CPV/F 2-8	Falls HOL	1 & 2	1 & 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CPV/F 5-4	Price	15 & 7.5m £70.97	30 & 15m £74.25									
CPV/F 5-8	Falls HOL	N/A	N/A	1 & 2	1 & 2	1 & 2	N/A	N/A	N/A	N/A	1 & 2	N/A
CPV/F 10-4	Price			10 & 5m £70.97	20 & 10m £79.70	40 & 20m £91.71					60 & 30m £316.63	
CPV/F 10-8	Falls HOL	N/A	N/A	N/A	N/A	N/A	1 & 2	1 & 2	1 & 2	1 & 2	N/A	1 & 2
CPV/F 20-4	Price						12 & 6m £100.45	18 & 9m £104.82	24 & 12m £112.46	40 & 20m £277.32		60 & 30m £331.91
Model	-	Max. HOL w/o bag		192030727	192030729	192030730	192079507	192079508				
CPV/F 25-8	Falls HOL	1 & 2		1 & 2	1 & 2	1 & 2	1 & 2	1 & 2				
CPV/F 50-4	Price	100 & 50m		12 & 6m £140.84	25 & 12.5m £156.13	30 & 15m £204.18	50 & 25m £1471.61	65 & 32m £1639.89				

* Spare parts for the CPV/F are shown on pages 164-180

CPE/F ELECTRIC CHAIN HOISTS (400v 3Ph 50hz)

HIGH CAPACITY

Electric chain hoist, model CPE/F, with suspension hook or integrated travel trolley

Capacities: 1600 - 10000kg

The CPE/F series is a range of high quality products for professional applications. They are highly efficient and engineered for a long working life. The hoists are composed of three main component parts which makes servicing easy.

Features include:

- The standard, oil bath lubricated planetary gear box is particularly smooth running and provides for a low overall height.
- Low voltage control (42volt).
- The 5-pocket load wheel, manufactured from wear resistant case hardened steel is matched perfectly to the load chain to guarantee smooth and precise chain motion.
- Motor fitted with bimetallic thermal protection, used with low voltage control.
- The heavy duty squirrel cage motor has an adjustable spring pressure brake that holds the load securely even in the event of a power failure.
- Case hardened and zinc plated link chain.
- The motor is designed for high duty cycle.
- 400V, 3-phase, 50 Hz eurovoltage.
- Duty cycle 40% ED for single speed.
- Motor protected to IP54, insulation class F.
- Operating temperature -10° to +50°
- The model CPE/F 100-2 consists of two CPE/F 50-2 units that are connected by a framework.
- Limit switches available on 1.6t to 7.5t only.

Options:

- Standard suspension hook (non swivel).
- Suspension hook rotated through 90° (non swivel).
- Manual and electric trolleys.
- Festoon cable system.
- Stainless steel load chain.
- Chain container.
- Motor with stainless steel brake.
- Radio remote control.
- Other operating voltages.

NOTE: Limit switches are not supplied as standard other than on the 10 tonne unit. They are available as an optional extra on the 1.6 - 7.5tonne hoists.



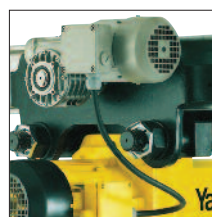
5-pocket load chain wheel machined for smooth, precise chain movement.



Universal connection to suspension hook, trolley or steel structures.



Double fall bottom hook for capacities between 3200 up to 5000kg



Hoist connected directly to trolley with push travel or electric drive trolleys.



Option flexible chain container made from wear resistant textile fabric.



Reaction Roller counter balance for chain containers over 10mtr height of lift.

CPE/F ELECTRIC CHAIN HOISTS (400v 3Ph 50hz)

HIGH CAPACITY

Model	Capacity (WLL) kg	Falls of load chain	Hoist speed(s) m/min	Manual suspension points			VTE/F electric trolley			Chain containers (Linear mtr of chain, NOT height of lift)	
				Top hook (3 mtr HOL) £	Push trolley (3 mtr HOL) £	Additional HOL*** per mtr £	Single speed 11 m/min (3 mtr HOL) £	Dual speed 11/2.8 m/min (3 mtr HOL) £	Additional HOL*** per mtr £	10 mtr* £	20 mtr** £
* CPE 16-8	1600	1	8	£3671.61	£4525.66	£57.87	£5067.21	£5341.27	£61.14	£78.61	£93.90
CPE/F 16-8	1600	1	8/2	£3931.70	£4769.14	£57.87	£5486.48	£5550.90	£61.14	£78.61	£93.90
* CPE 20-8	2000	1	8	£3888.80	£4706.91	£57.87	£5143.64	£5427.52	£61.14	£78.61	£93.90
CPE/F 20-8	2000	1	8/2	£4017.96	£4793.16	£57.87	£5572.73	£5637.16	£61.14	£78.61	£93.90
* CPE 25-5	2500	1	5	£3889.12	£4879.41	£57.87	£5229.90	£5512.68	£61.14	£78.61	£93.90
CPE/F 25-5	2500	1	5/1.25	£4104.21	£4827.01	£57.87	£5658.99	£5723.41	£61.14	£78.61	£93.90
* CPE 30-5	3000	1	5	£3974.29	£4965.68	£57.87	£5027.26	£5598.94	£61.14	£78.61	£93.90
CPE/F 30-5	3000	1	5/1.25	£4190.47	£4913.27	£57.87	£5830.41	£5808.57	£61.14	£78.61	£93.90
* CPE 32-4	3200	2	4	£4060.54	£5050.84	£107.00	£5402.41	£5685.20	£110.27	£78.61	£93.90
CPE/F 32-4	3200	2	4/1	£4275.63	£4999.52	£107.00	£5830.41	£5894.82	£110.27	£78.61	£93.90
* CPE 40-4	4000	2	4	£4146.80	£5137.09	£107.00	£5490.84	£5771.45	£110.27	£78.61	£93.90
CPE/F 40-4	4000	2	4/1	£4361.89	£5137.09	£107.00	£5916.66	£5981.09	£110.27	£78.61	£93.90
* CPE 50-2	5000	2	2.5	£4233.05	£5085.77	£107.00	£5573.82	£5856.61	£110.27	£78.61	£93.90
CPE/F 50-2	5000	2	2.5/0.6	£4448.14	£5223.34	£107.00	£6002.91	£6067.34	£110.27	£78.61	£93.90
CPE 75-2	7500	3	1.6	£5389.30	N/A	£156.13	£7160.27*	£7352.43*	£159.41	£543.73	£1223.95
CPE/F 75-2	7500	3	1.6/0.4	£5572.73	N/A	£156.13	£8684.48*	£8858.07*	£159.41	£543.73	£1223.95
CPE 100-2	10000	4	2.5	£11418.43	N/A	£205.27	£13144.62*	£13539.87*	£208.54	£366.86	£1522.02
CPE/F 100-2	10000	4	2.5/0.6	£11909.75	N/A	£205.27	£13953.68*	£14237.55*	£208.54	£366.86	£1522.02

NB. All the above prices are based on a standard 3mtr HOL, with 2mtr pendant, excluding chain bag.

***Single speed trolley @ 5 m/min**

***Dual speed trolley @ 5/1.25 m/min.**

****Chain containers shown are linear metres chain.**

*****Add. heights of lift are sold as complete metres only.**

- The extra HOL quoted includes for both load chain and pendant control cable. Note. std pendant is 2mtrs.
- Extra pendant cable is available at £12.01 per metre.
- Load chain fitted to all models: 11 x 31mm, article number N06109488.
- Limit switch available as an optional extra on 1.6-7.5t (fitted as standard on CPE100).
- Raincoat to suit 1.6 - 5 tonne hoist article number: N430007427 is available at £159.41
- Raincoat to suit VTE/F 1.6 - 5 tonne trolley motor: article number N4300015114 £68.79
- Raincoat to suit 7.5 - 10 tonne hoist, article number: N4300014354 is available at £258.77
- Raincoat to suit VTE/F 7.5 - 10 tonne trolley motor article number 192034056 POA

*** ALL CPE's up to 5 tonne WLL are built at our Chester facility and are normally available on a 2-3 day service. Call the sales team to discuss express deliveries.**

Model	Weight ¹ hook susp. kg	Weight push trolley kg	Weight electric trolley kg
CPE 16-8	88	150	164
CPEF 16-8	93	155	169
CPE 20-8	88	150	164
CPEF 20-8	93	155	169
CPE 25-5	88	150	164
CPEF 25-5	93	155	169
CPE 30-5	88	150	164
CPEF 30-5	93	155	169
CPE 32-4	107	169	182
CPEF 32-4	112	174	187
CPE 40-4	107	169	182
CPEF 40-4	112	174	187
CPE 50-2	107	169	182
CPEF 50-2	112	174	187
CPE 75-1,6	220	320	340
CPEF 75-1,6	226	326	346
CPE 100-2 ³	282	-	406
CPEF 100-2 ³	287	-	411

¹ Weight at standard lift (3 m). Other lifting heights on request.

² Additional weight for 2 speed version 2.0 kg

³ Limit switches for highest and lowest hook positions

Capacity kg	Size	Beam flange width b mm	Beam flange thickness t max. mm	Curve radius min. mtr	Electric trolley travel speed m/min at 50 Hz	Electric trolley motor kW at 50 Hz
1600 - 5000	A	98 - 180	27	2.0	11 or 11/2.8	0.37 or 0.3/0.09
1600 - 5000	B	180 - 300	27	1.8	11 or 11/2.8	0.37 or 0.3/0.09
7500 - 10000	B	125 - 310	40	1.8	5 or 5/1.25	0.55 or 0.55/0.12

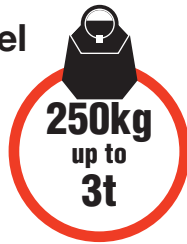
CM LODESTAR ELECTRIC CHAIN HOISTS



MADE IN
USA

Electric chain hoist, model CM Lodestar 110v, 230v & 400v

Capacities: 250 - 3000kg



The Lodestar hoist is a tough and durable electric chain hoist, designed to keep working in the most arduous applications.

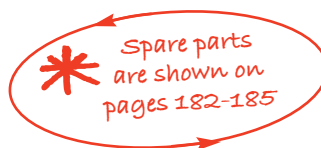
This hoist is recognised and proven within the hire industry as the number one hoist, where high duty, combined with long heights of lift are required.

From hook suspension in the rental industry to trolley mounted in a factory production line, the Lodestar has a proven reputation as the solution for industrial strength lifting.

Standard operating voltage: 110v 1ph 50Hz, 230v 1ph 50Hz, and 400v 3ph 50Hz are all available ex-stock.
Standard operating temperature -10° to +65°C

Features and benefits include:

- Tough lightweight aluminium alloy covers totally enclose the mechanical and electrical components providing protection and efficient heat dissipation. The design enables easy access for installation and service.
- Adjustable upper and lower limit switches.
- 48v control, IP65 pendant as standard (Hoist is IP54).
- Thermal overload protection as standard.
- FEM classification 2m (40% duty - 24 minutes continuous use per hour).
- Motor classification H4.
- Excellent closed height dimensions.
- A lifetime lubricated gearbox contributes to exceptional service and maintenance characteristics.
- Load hook with axial bearing.
- Ideal for long heights of lifts.
- Large frame, single phase hoists are supplied with handles and 1mtr supply cable with Cee-Form plug.



* 110v electric trolleys are available ex-stock!

* Pantone 172c or Ral2009

TECHNICAL DATA

Model	Operating voltage	Capacity (WLL) kg	Falls of load chain	Lifting speed(s m/min)	Load chain depth x pitch mm	Hoist motor kW	Maximum height of lift	
							56tpi	64tpi
C	230v or 110v 1ph 50Hz	250	1	8	6.3 x 18.9	0.37	79	90
F	230v or 110v 1ph 50Hz	500	1	4	6.3 x 18.9	0.37	39	45
J	230v or 110v 1ph 50Hz	500	1	8	7.9 x 21.7	0.75	48	55
L	230v or 110v 1ph 50Hz	1000	1	4	7.9 x 21.7	0.75	48	55
LL	400v 3ph 50Hz	1000	1	8	7.9 x 21.7	0.75	98	112
LL2	400v 3ph 50Hz	1000	1	8/2.5	7.9 x 21.7	0.75	98	112
R	230v or 110v 1ph 50Hz	2000	2	2	7.9 x 21.7	0.75	25	35
RR	400v 3ph 50Hz	2000	2	4	7.9 x 21.7	0.75	25	35
RR2	400v 3ph 50Hz	2000	2	4/1.3	7.9 x 21.7	0.75	25	35
RT	230v or 110v 1ph 50Hz	3000	3	1.33	7.9 x 21.7	0.75	17	23

CM LODESTAR ELECTRIC CHAIN HOISTS



**MADE IN
USA**

PRICES / WEIGHTS

Capacity (WLL) kg / model	*Hook suspension		*Push Travel		*Additional height of lift £ per mtr	**Electric travel (400/*110V only)				**Additional height of lift £ per mtr
	Price £	Weight kg	Price £	Weight kg		***1 speed (18m/min) Price £	Weight kg	2 speed (18/4.5m/min) Price £	Weight kg	
250 / C	£2315.79	29	£2824.59	40	£28.39	£4131.51	84	N/A	-	£31.66
500 / F	£2298.32	29	£2788.55	40	£28.39	£4131.51	84	N/A	-	£31.66
500 / J	£3069.16	51	£3574.68	63	£34.94	£4799.71	107	N/A	-	£38.21
1000 / L	£2974.16	52	£3600.88	70	£34.94	£4769.14	108	N/A	-	£38.21
1000 / LL	£3103.00	52	£3560.48	71	£34.94	£4240.70	108	£4483.09	110	£38.21
1000 / LL2	£3190.34	53	£3617.25	72	£34.94	£4262.53	109	£4506.01	111	£38.21
2000 / R	£3560.48	58	£4039.80	77	£61.14	£5256.10	113	N/A	-	£64.41
2000 / RR	£3360.68	58	£3950.27	77	£61.14	£4495.09	113	£4665.41	116	£64.41
2000 / RR2	£3396.70	59	£4555.14	78	£61.14	£4710.18	114	£4777.88	117	£64.41
3000 / RT	£4506.01	64	N/A	-	£87.34	N/A	-	N/A	-	£90.62

NB. All the above prices are based on a standard 3mtr HOL, with 2mtr pendant, excluding chain bag.

New style weather proof jackets to suit C & F £114.64 (Article no: N4300012954), to suit J, L, R & RT £125.56 (Article no: N4300012953).

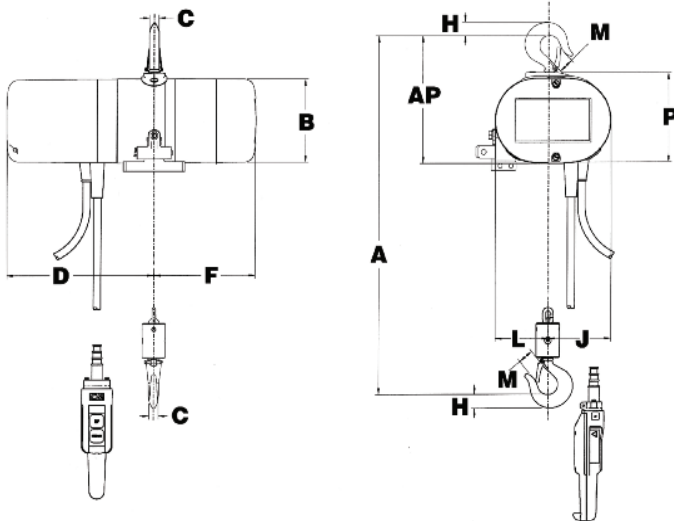
• **VTE/F Motor raincoat up to 2 tonne: N06799999 £65.51 ***110v trolleys are single speed only - 18m/min**

Additional heights of lift are sold as complete metres only.

CANVAS CHAIN CONTAINERS

Article no.	Description	Size	C, F	J, L, LL, LL2, R, RR, RR2, RT	Price £
			6.3 x 18.9mm chain	7.9 x 21.7mm chain	
N4300012741	RSCBL013	Small	22 mtrs of chain	18 mtrs of chain	£111.37
N4300012742	RSCBL010	Medium	31 mtrs of chain	26 mtrs of chain	£128.84
N4300012743	RSCBL012	Large	42 mtrs of chain	31 mtrs of chain	£146.30
N4300014651	RSCBL014	Extra Large	74 mtrs of chain	55 mtrs of chain	£163.77
N4300012744	RSCBL015	Extra, Extra Large	95 mtrs of chain	70 mtrs of chain	£186.70

Wing Bracket: SMALL (N4300014254) £31.66, LARGE (N4300014253) £31.66



DIMENSIONS FOR HOOK SUSPENSION HOISTS

Model	Lodestar 250 / 500	Lodestar 500 / 1000	Lodestar 2000	Lodestar 3000
Frame type	A, B, C, F and AA	J, L, JJ and LL	R, RR	RT
A, mm	413	471	613	750
B, mm	156	194	194	194
C, mm	17	22	28	28
D, mm	279	241	241	241
F, mm	197	271	271	271
H, mm	25	30	38	38
J, mm	100	138	165	165
L, mm	122	184	157	157
M, mm	25	28	33	33
P, mm	168	198	198	198
AP, mm	235	271	284	319

▲ **Please call the sales team for technical specification on other suspension types.**

Weather proof raincoat ►



“Heavy duty...and more!”

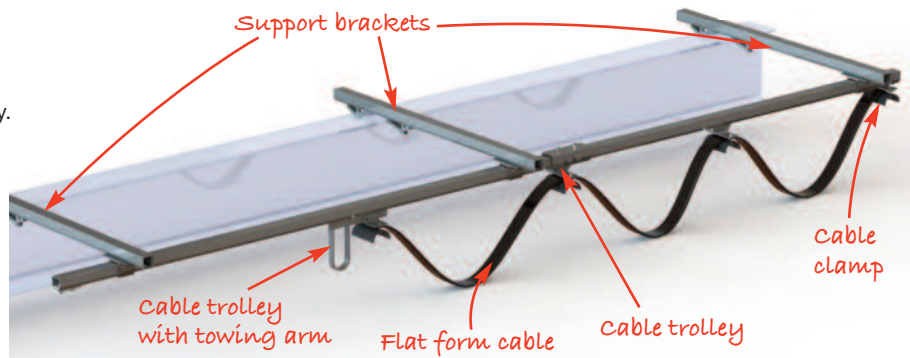
FESTOON SYSTEMS

Supply cable systems

The Yale festoon cable systems contain all the parts required to install your power cable supply.

Features and benefits include:

- ✓ Galvanised track and supports.
- ✓ System lengths from 3 to 30mtr.
- ✓ Simple and quick to install.
- ✓ Supplied with flat form cable.



Description	Article number	Track length mtr	Flatform cable length mtr	Joints	Support brackets	End clamp	End stop	Cable trolley	Price £
Festoon Kit 3	192020326	3	6	0	3	1	1	2	£240.20
Festoon Kit 6	N4300014474	6	10	1	5	1	1	3	£321.00
Festoon Kit 9	N4300014475	9	13	2	7	1	1	5	£461.84
Festoon Kit 12	N4300014476	12	16	3	9	1	1	7	£593.96
Festoon Kit 15	N4300014477	15	20	4	11	1	1	9	£734.80
Festoon Kit 18	N4300014478	18	23	5	13	1	1	11	£866.91
Festoon Kit 21	N4300014479	21	26	6	15	1	1	13	£1006.68
Festoon Kit 24	N4300014480	24	30	7	17	1	1	15	£1139.88
Festoon Kit 27	N4300014481	27	33	8	19	1	1	17	£1490.36
Festoon Kit 30	N4300014482	30	36	9	21	1	1	19	£1535.85

***Prices shown are inclusive of flat form cable and are for the standard system with pendant fitted to hoist. Stainless steel system is also available. Prices on request.**

RADIO REMOTE CONTROLS

The Magnetek Flex Base MRX, micro receiver, radio remote control is designed to be used with the CPE, CPV and Lodestar range of electric chain hoists. The unit can be factory fitted at time of ordering hoist, or supplied as a kit for you to retrospectively fit.



	Transmitter	Receiver
Frequency	433 MHz , 62 channels	433 MHz , 62 channels
Buttons	6 x 2 -step buttons	-
Type of batteries	AA Rechargeable	-
Operating time	100+ h	-
Protection	IP66	IP66
Temperature	-25 to +75 °C	-25 to +75 °C
Safety level	CAT3, PLd	CAT3, Pld
On/off switch	Yes	-
Power supply	-	Multi voltage auto select
Weight	250g	-
Range	100m	-

To suit model:	Article number	List price £ (Supply only, with mounting bracket)	List price £ (Factory fitted)
CPV 2-8/5-4	192030833	£1420.48	£1643.21
CPV 5-8/10-4	N4300014197	£1404.10	£1626.84
CPV 10-8/20-4	N4300014198	£1424.84	£1647.59
CPV 25-8/50-4	192030859	£1380.09	£1602.82
CPE/F1.6-7.5	192030859	£1380.09	£1602.82
Lodestar	N4300014202	£1478.34	£1701.09

Replacement transmitters are available upon request. Article no.192058790. Please supply serial number, and channel number at time of ordering to ensure radio control channel is matched to the receiver. NOTE: *100mtr range without any obstructions.

RPE ELECTRIC WIRE ROPE WINCHES (400v/230v)

HIGHER CAPACITIES



RPE electric winch

Capacities: 250 - 2000kg*

Yale wire rope winches are designed specifically for performance, efficiency, and safety, and offer many advantages and options.

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

The units are supplied with a certificate of conformity showing the units serial number and an operating instruction manual, which contains our manufacturer's UKCA and CE declaration.

Features include:

- Voltage 400v 3phase 50hz or 230v 1phase 50hz 3 phase motor protected to IP 54, insulation class F.
- Compact dimensions due to internal brake motor.
- 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 securely even in the event of a power failure.
- A plain rope drum is supplied as 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.
- 10-6 and 20-6 units are fitted with slipping clutch as standard.
- 42v low voltage pendant control (inc. push button with emergency stop and 2 mtr cable) is supplied as standard.

Options:

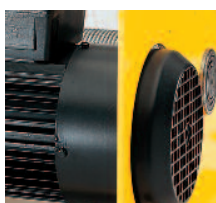
- Different drum designs, e.g. extended to accommodate longer rope, machined grooves for exact reeling, with separation web and 2nd rope outlet for working with two ropes.
- Geared limit switches to limit rope motion in both directions (in combination with 42v low voltage control).
- Slipping clutch to protect the winch from overloading for models RPE 2-13, RPE 5-6 and RPE 5-12.
- Radio remote control.
- Zinc-plated version is available on request.
- Stainless brake.



Rope attachment



Spring pressure disc brake



Brake motor



Single-phase A.C. motor



Gear limit switches



Gearbox with slip clutch



- When selecting the length of the rope please bear in mind that a minimum of 2.5 windings have to remain on the drum (approx. 1mtr rope)
- RPE winches are not designed for passenger elevation applications and must not be used for this purpose.



SCAN ME

Model	Pulling force daN	Lifting speed m/min*	Rope dia. mm	Motor perf. kW	Usable rope length		Weight kg	400 volt option Price £	230 volt option Price £
					1st layer %	Top layer mtr			
RPE 2-13	250	13.2	4	0.55	11.1	54	33	£2206.60	£2383.48
RPE 5-6	500	6.6	6	0.55	7.4	38	34	£2283.03	£2383.48
RPE 5-12L	500	12.6	6	1.1	11.3	57	47	£3437.10	£2600.75
RPE 9-6	990	6.5	8	1.1	10.1	37	78	£2645.52	£3298.44
RPE 10-6**	1000	6.5	8	1.1	10.1	37	79	£2945.77	£3551.75
RPE 20-6**	2000	7.6	12	2.2	13.2	49	185	£5192.01	POA

*In the upper layer. **With slipping clutch. • 110v option is NOT available. • Wall switch £322.09 • Limit switch (up to 25 mtr) £334.10
Motor rating ED 40%



Please note that the prices shown above do NOT include ropes.

CPA PNEUMATIC CHAIN HOISTS

Pneumatic chain hoists with hook Capacities: 125 - 980kg

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

Features include:

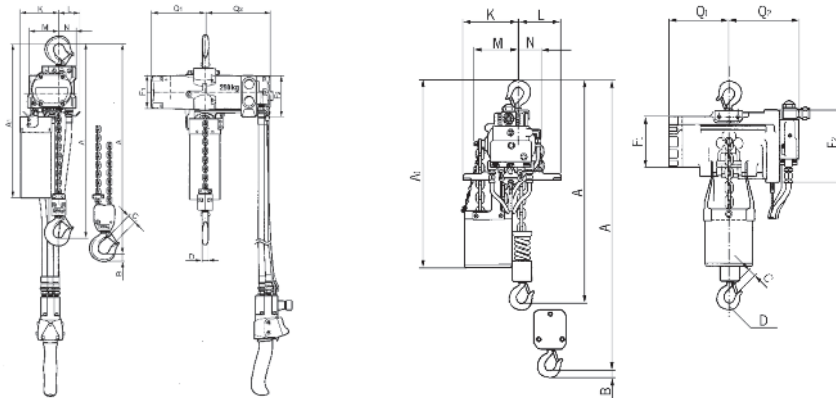
- Designed for operating pressures of 5 to 7 bar.
- Rotating piston motor with 100 % duty rating and an unlimited number of starts for continuous operation.
- Integrated limit switches for highest and lowest hook position as standard.
- Self-adjusting automatic disc brake, maintenance-free.
- Extremely sensitive control with emergency-stop for a precise positioning of the load.
- Air release for brake as standard for models CPA 2-31, CPA 5-17 and CPA 10-9

Options:

- Pressure regulator, manometer, lubricator and support.
- ATEX basic version available on request.
- Chain container available on request.

Applications:

Automobile and aircraft industries, shipyards, on ships and docks, foundries, on/offshore, paint factories, paint shops, refineries, oil depots, galvanizing, printing, textile, food industries, pulp, paper, cement mills, glass, ceramic industries, wood working industries, chemical industries, heat treatment and power plants etc.



! Compressed air supply must be filtered & lubricated to ensure faultless operation.



SCAN ME



ATEX

BASIC II 3 G Ex h IIA T4 Gc
BASIC II 3 D Ex h IIIA T135° Dc

Model	Capacity (WLL) kg	Technical specifications												
		A mm	A1 mm	B mm	C mm	D mm	F1 mm	F2 mm	K mm	L mm	M mm	N mm	Q1 mm	Q2 mm
CPA 1-13	125	292	410	21	20	16	90	120	103	57	120	50	142	183
CPA 2-10	250	292	410	21	20	16	90	120	103	57	120	50	142	183
CPA 5-5	500	324	410	14	24	14	90	120	103	57	120	50	142	183
CPA 10-9	980	457	508	27	28	28	130	180	165	83	135	25	162	181

Model	Capacity (WLL) kg	Falls of load chain	Lift speed with rated load m/min*	Lift speed without load m/min*	Lowering speed with rated load m/min*	Air consumption rated load mm*	Hoist motor kW	Weight @ 3mtr HOL kg	Price @ 3mtr HOL £	Additional HOL** per mtr £
CPA 1-13	125	1	13.1	17.1	11.3	0.9	0.4	15.4	£2723.04	£41.49
CPA 2-10	250	1	9.8	17.1	13.7	0.9	0.4	15.4	£2953.41	£41.49
CPA 5-5	500	2	4.6	7.9	6.7	0.9	0.4	17.2	£3571.40	£97.18
CPA 10-9	980	2	8.5	16.2	14.9	1.27	1.33	27.7	£5273.57	£97.18

*Values for 6.3 bar (flow pressure) and 2mtr control drop. Speeds will be reduced in case of longer control length. Hose length max. 12mtr. Model CPA 1-13, CPA 2-10 & CPA 5-5 hose length maximum 12mtr. Model CPA 10-9 hose length maximum 20mtr.

* 1/2 inch BSP air filter, regulator, and lubricator N4300006148 = £508.80

**Additional heights of lift are sold as complete metres only.

CPA 'HEAVY DUTY' PNEUMATIC CHAIN HOISTS

Pneumatic chain hoists with hook or integrated trolleys Capacities: 2000 - 10000kg

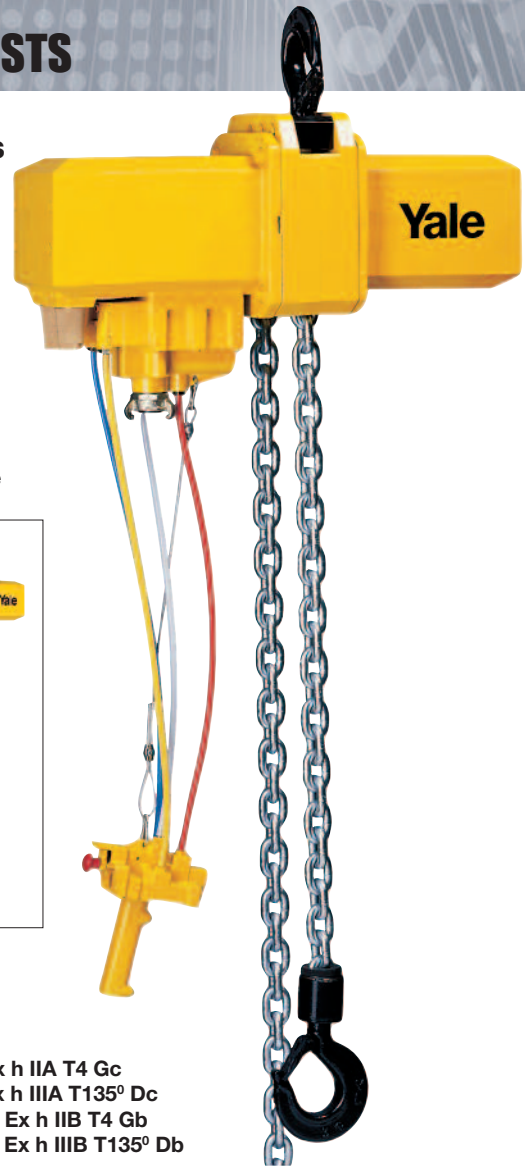
The conception is in accordance with the design of the model CPE. With 100% duty rating and an unlimited number of starts the model CPA is suitable for heavy duty applications. It is insusceptible to contamination, humidity and aggressive mediums from the outside. The hoists are composed of three main components which makes service easy and inexpensive.

Features include:

- Designed for operating pressures of 4 to 6 bar.
- Robust rotating piston motor has an adjustable spring pressure brake that holds the load securely even in the event of an air supply failure.
- The standard oil bath lubricated planetary gearbox is particularly smooth running and enables a low overall height.
- High starting torque due to switching valves in the motor body.
- Low noise emission due to large dimension silencer.
- Sensitive control by means of 2 resp. 4 button pendant control with emergency-stop.
- Up to 3000kgs on single fall giving a low overall height.
- The 5-pocket load chain sheave, manufactured from wear resistant guarantee smooth and precise chain motion.
- Drop forged suspension and load hooks.

Options:

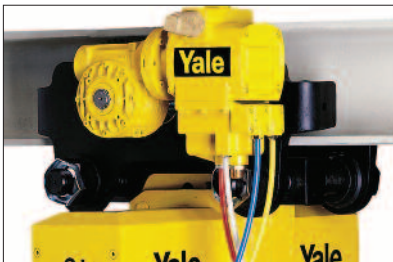
- Manual and pneumatic trolleys.
- Pull cord control.
- Stainless steel load chain.
- ATEX version available on request.
- Chain container available on request.



ATEX

BASIC II 3 G Ex h IIA T4 Gc
BASIC II 3 D Ex h IIIB T135° Dc
MEDIUM II 3 G Ex h IIB T4 Gb
MEDIUM II 3 D Ex h IIIB T135° Db

! Compressed air supply must be filtered &
 • lubricated to ensure smooth operation.



Trolley specification						
Capacity kg	Size	Beam flange width b mm	Beam flange thickness t max. mm	Curve minimum radius mtr	Pneumatic trolley travel speed m/min	Pneumatic trolley motor kW
2000 - 6000	A	98 - 180	27	2.0	18	0.55
2000 - 6000	B	180 - 300	27	1.8	18	0.55
7500 - 10000	B	125 - 310	40	1.8	-	-

Model	Capacity (WLL) in number of chain falls	Lifting speed kgs / rated load m/min	Lifting speed with load m/min*	Lowering speed without rated load m/min*	Hoist motor with kW	Weight hook kg**	Hook susp. susp. £**	Geared travel trolley £**	Power travel trolley 18m/min £**	Additional HOL £/per m***
CPA 20-8	2000/1	7.4	9.9	11.0	2.6	121	£6465.86	£7263.99	£8910.48	£56.77
CPA 30-6	3000/1	6.0	9.9	13.0	3.2	121	£6682.04	£7384.09	£9021.84	£56.77
CPA 50-3	5000/2	3.4	5.0	6.0	3.0	140	£6805.41	£7638.49	£9233.66	£105.91
CPA 60-3	6000/2	3.0	5.0	6.5	3.2	140	on request	on request	on request	on request
CPA 75-2	7500/3	2.0	3.3	4.3	3.2	-	on request	on request	on request	on request
CPA 100-3	10000/4	3.4	5.0	6.0	2 x 3.0	-	on request	on request	on request	on request

*Values for 6 bar (flow pressure) air consumption with rated load 4.7 m³/min. CPA 100-2 : 9.4 m³/min. **3mtr HOL

• 3/4 inch BSP air filter, regulator, and lubricator N4300006149 £776.30 • Above 10mtr HOL quick release valve N00850043 £225.11

• Chain container to suit 10mtr of chain £77.52 • Chain container to suit 20mtr of chain £93.90

• On geared travel trolley add additional £10.91 per mtr for hand chain on HOL.

***Additional heights of lift are sold as complete meters only.

Yale Mtrac® 'MINI' ENDLESS WINCH

**NOW UPTO
1000kg WLL**

INNOVATIVE ENGINEERING

Capacities: 66 - 500kg (two-fall design up to 1000kg)

The YaleMtrac® endless winch combines state-of-the-art industrial design with technical innovation to solve a specific customer need – the need for a safe and simple handling solution for mobile applications.

We did just that. Because the rope of the endless winch is not collected during operation, there is no limit to the lifting height and traction length when using this product. And, with a full offering of wire ropes and accessories, this winch can be used in virtually any application requiring a hoist.

STANDARD FEATURES

- Capacities 66kg to 500kg in single-reeved configuration (up to 1000kg in two-part reeved configuration, optional).
- Control pendant (IP 65) is connected via a control cable.
- Standard 1mtr power cable fitted with a CEE connector plug.
- 42V low-voltage control.
- Ergonomic, fitted carrying handle features a comfortable plastic grip.
- Mounting feet fixed on the housing for easy set up.
- Operating voltages of 400v 3-ph 50Hz or 230v 1-ph, 50Hz
- Galvanized, high-density, rotation-resistant steel rope is 10m long (dia. 6.5mm) and features a safety hook with a rounded, plastic-coated tip at the loose end.
- Two spring buffers with adjusting rings can be attached to the wire rope to set the limit switches for both upward and downward movement.



SCAN ME



Bi-directional
lifting



FINISH DETAILS

- Drive sheave is made of especially hardened steel designed to ensure long service life.
- The patented (German Patent DE 10 2012 100 099) bi-directional paddle actuator ensures the rope is safely guided and securely held in place.
- Slip clutch is located outside of the load path for added safety.
- Limit switches ensure safe cut-out for the upper and lower hook positions.
- Electromagnetic brake holds the load safely, even in the event of a power failure.
- Winch is classified up to 1 Bm/M3 acc. to FEM/ISO.
- Winch is protected up to IP 55.

BI-DIRECTIONAL ACTUATOR FOR BI-DIRECTIONAL LIFTING

*German Patent DE 10 2012 100 099

Model	Article number	Single fall (standard)		Double fall (optional)		Motor kW	Operating voltage	Price £
		Capacity kg	Lifting speed m/min	Capacity kg	Lifting speed m/min			
YMT 1-15	192051388	100	15	200	7.5	0.37	230v 1Ph 50Hz	£2717.59
YMT 3-5	192051389	300	5	600	2.5	0.37	230v 1Ph 50Hz	£2721.95
YMTF 0.6-30	192025175	66	30/7.5	130	15/3.7	0.37/0.09	400v 3Ph 50Hz	£2489.39
YMT 1-30	192025171	100	30	200	15	0.55	400v 3Ph 50Hz	£2471.91
YMTF 2-10	192025176	200	10/2.5	400	5/1.3	0.37/0.09	400v 3Ph 50Hz	£2606.21
YMT 3-10	192025174	300	10	600	5	0.55	400v 3Ph 50Hz	£2476.29
YMT 5-5	192053140	500	5	1000	2.5	0.55	400v 3Ph 50Hz	TBA

All units supplied c/w LVC 42v with 2.3mtr control cable, 1mtr supply cable with plug and 10mtr rope. Weight of the winch without rope approx 24 - 26kgs depending on configuration.

Article no.	Description	Price, £
192043475	Stainless steel wire rope 6.5mm x 5m Stainless steel wire rope per add mtr	£150.68 £28.39
N00610106 4300007036	Supply cable for 400v unit per 1mtr Supply cable for 230v unit per 1mtr	£7.64 £4.91
N00610175 192020765	Control cable 1 speed per 1mtr Control cable 2 speed per 1mtr	£8.19 £10.37
192038496	Radio control inc. mounting plate	£1730.56
192049595 192050160	Conversion kit, YMT Bi-directional lift Conversion kit, YMT Mini double reeving kit	£75.34 £495.70

Article no.	Description	Price, £
192027953	Protection frame and mounting kit	£185.61
192039508	Wire rope 6.5mm x 5m inc. taper & hook	£99.36
192027943	Wire rope 6.5mm x 10m inc. taper & hook	£108.09
192035903	Wire rope 6.5mm x 20m inc. taper & hook	£150.68
192035904	Wire rope 6.5mm x 30m inc. taper & hook	£193.25
192035906	Wire rope 6.5mm x 50m inc. taper & hook	£278.41
192035907	Wire rope 6.5mm x 60m inc. taper & hook	£321.00
192035909	Wire rope 6.5mm x 80m inc. taper & hook	£405.07
192035911	Wire rope 6.5mm x 100m inc. taper & hook	£490.25
192038104	Wire rope 6.5mm x 150m inc. taper & hook	£736.99

RLSP LOAD BINDERS



Model	Article no.	WLL daN	Design type	Chain size mm	Weight kg	Price £
RLSP-08-00	N43300015	4000	Clevis	8	3.6	£52.41
RLSP-13-00	N43300017	10600	Clevis	13	3.8	£57.87
RLSP-08-HH	N43300012	4000	Parallel hook	8	4.5	£52.41

The Yale load binder is a universal tool to restrain and secure loads and freight. Manual operation of the binder lever extends or retracts the threaded spindles. Clevis ends are for use with existing fastening devices or available with parallel hooks for direct attachment to chains.

ASH WELD ON HOOKS



Model	Article no.	Capacity (WLL) kg	Weight kg	Unit price £	Replacement safety latches Article no.	Price £
ASH-1	N41000104	1000	0.4	£24.02	N00410001	£10.26
ASH-3	N41000035	3000	1.25	£30.57	N00410002	£11.86

Yale's weld on hooks are universal attachments for use on trucks, excavators, low loaders, and spreader beams, etc. The hook and safety latch are epoxy resin coated for added corrosion protection and the return spring is made from stainless steel.

LMG CABLE GRIPS



Model	Article no.	Pulling force daN	Max rope tensile strength - N/mm ²	Cable size mm	Eye opening mm	Weight kg	Price £
LMG I	N02606516	2000	1770	5 - 15	31 x 44	1.6	£121.20
LMG II	N02606517	3000	1770	8 - 20	31 x 44	2.9	£207.45
LMG II-X	N02608043	3000	1960	8 - 20	31 x 44	2.9	£222.75
LMG III	N02607609	5000	1770	18 - 32	66 x 93	9.5	£779.57

The LMG is a device for gripping, pulling, and tensioning unsheathed wire ropes, cables, and metal rods in all forms. The parallel jaws provide a firm, non-slip grip without causing damage to the wire. A special spring-loaded guide prevents the grip from dropping off the wire and affords instant release without jamming. The model LMG II-X is supplied with grooved jaws.



NB. It is the users responsibility to ensure that the selected cable grip is suitable for their grade of wire rope.

PB PULLEY BLOCKS, HINGED, WITH SINGLE STEEL SHEAVE

One side of the Yale pulley blocks is hinged and can be opened for easy and quick positioning of the wire rope on the sheave. It can also provide a quick and versatile rigging point or redirect a wire rope.

Features include:

- Swinging the hook in the direction of pull securely locks the pulley block.
- The high quality cast steel sheaves have machined grooves and are fitted with Permaglide® bushes.
- When choosing, and classifying pulley blocks, take the 'principles for rope drives' DIN 15020 into consideration.



Model	Article number	Capacity (WLL) kg	Max. rope diameter mm	Weight kg	Price £
Pulley block 1000	N46000005	1000	7	3.3	£111.37
Pulley block 2000	N46000003	2000	13	8.9	£171.41
Pulley block 3200	N46000004	3200	15	15.5	£208.54
Pulley block 6400	N46000006	6400	18	26.5	£328.64

YBF/A SPRING BALANCERS

Spring balancers

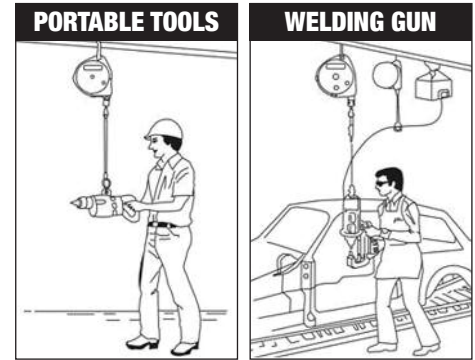
Capacities: 0.5 - 200kg

Yale is now able to offer a wide range of spring balancers and retractors.

Spring balancers allow the worker to move the suspended tool or object up or down with very little effort. Depending on the spring adjustment, the object will remain in position or retract when no force is applied.

With a spiral groove on a tapered drum, the winding radius is increased to match the torque build-up of the spring, thus neutralising it and achieving a balanced condition. This is the main difference between spring balancers and retractors.

Retractors are designed to retract the cable when no force is applied. An amount of downward force must be continually applied to keep the suspended object at its extended position. The torque output of the rewind spring increases as the cable is extended, and retracting the suspended object to the uppermost adjusted position when released.



SCAN ME



YBF-03L



YBF-09

YBA-22



• YBF series, 0.5 - 200kg (standard type).

Enclosed body design ensures operator safety; no trapped fingers or hands. The YBF has an anti-wear feature that prevents damage to the aluminium housing and can be replaced without dismantling the housing. Wire replacement can be done without dismantling the body. The containerised spring cartridge enables safe and simple servicing.

• YBA series, 9 - 70kg with additional safety-device (wire arrest mechanism).

The YBA series has all of the features of the YBF series, but also has a wire arrest system. This is ideal for applications where there is the possibility of damage to the wire strands, e.g. fabrication, welding production lines and anywhere where there is a repetitive process.

Possible applications include:

- Resistance spot welding machines
- Measuring machines
- Compressed air equipment
- X-Ray apparatus
- Power tools (electric driven)
- Welding machines
- Welding templates
- Paint spraying apparatus
- Cages



Load indicator
for models
YBF-09 up to YBF-70
YBF-22L up to YBF-70L
YBA-15 up to YBA-70
YBA-22L up to YBA-70L



Suspension eye
according to DIN 15112 spring
balancers must be equipped
with additional suspension
eyes for the attachment of
secondary safety chains.



Manual drum-lock
for an easy exchange of the
rope. All s with capacity
more than 5 kg.



Please note that these spring balancers are not lifting devices and should not be used as a load arrester.

YBF/A SPRING BALANCERS

YBF SERIES - TECHNICAL SPECIFICATION / PRICES

Model	Article number	Capacity WLL kg	Lift mtr	Suspension eyes top (T) and bottom (B)	Adj. of spring tension V=Vertical H=horizontal	Manual drum lock	Automatic drum locking device	Load indicator	Weight kg	Price £
YBF-02	N08300002	1 - 2	1.0	T	H	-	-	-	1.0	£75.34
YBF-03	N08300003	1.5 - 3	1.3	T	H	-	-	-	1.8	£89.53
YBF-05	N08300004	2.5 - 5	1.3	T	H	-	-	-	1.9	£92.80
YBF-09	N08300007	4.5 - 9	1.3	T	H	•	•	•	4.0	£200.90
YBF-15	N08300008	9 - 15	1.3	T	H	•	•	•	4.0	£214.00
YBF-22	N08300009	15 - 22	1.5	T + B	V	•	•	•	8.0	£333.01
YBF-30	N08300010	22 - 30	1.5	T + B	V	•	•	•	9.0	£445.47
YBF-40	N08300011	30 - 40	1.5	T + B	V	•	•	•	10.5	£566.66
YBF-50	N08300012	40 - 50	1.5	T + B	V	•	•	•	11.0	£580.86
YBF-60	N08300013	50 - 60	1.5	T + B	V	•	•	•	12.0	£597.23
YBF-70	N08300014	60 - 70	1.5	T + B	V	•	•	•	12.5	£633.27
YBF-85	N08300015	70 - 85	1.5	T + B	V	•	•	-	13.0	£788.30
YBF-100	N08300016	85 - 100	1.5	T + B	V	•	•	-	13.5	£805.77
YBF-140	N08300018	120 - 140	1.5	T	H	•	•	-	31.0	£1183.55
YBF-170	N08300019	140 - 170	1.5	T	H	•	•	-	35.0	£1382.38
YBF-200	N08300020	170 - 200	1.5	T	H	•	•	-	36.0	£1539.49
YBF-03L	N08300005	1.5 - 3	2.5	T	H	-	•	-	4.6	£252.21
YBF-05L	N08300006	2.5 - 5	2.5	T	H	-	•	-	4.8	£272.96
YBF-09L	N08300021	4.5 - 9	2.3	T	V	•	•	-	8.0	£374.50
YBF-15L	N08300022	9 - 15	2.3	T	V	•	•	-	8.0	£556.84
YBF-22L	N08300023	15 - 22	2.3	T	V	•	•	•	8.5	£595.05
YBF-30L	N08300024	22 - 30	2.3	T	V	•	•	•	9.5	£601.60
YBF-40L	N08300025	30 - 40	2.3	T + B	V	•	•	•	11.0	£754.46
YBF-50L	N08300026	40 - 50	2.3	T + B	V	•	•	•	12.0	£802.50
YBF-60L	N08300027	50 - 60	2.3	T + B	V	•	•	•	13.0	£871.29
YBF-100L	N08300030	85 - 100	2.5	T	H	•	•	-	27.0	£1285.09
YBF-120L	N08300031	100 - 120	2.5	T	H	•	•	-	29.0	£1417.20
YBF-130L	N08300032	110 - 130	2.5	T	H	•	•	-	31.0	£1609.37

YBA SERIES - TECHNICAL SPECIFICATION / PRICES

Model	Article number	Capacity WLL kg	Lift mtr	Suspension eyes top (T) and bottom (B)	Adj. of spring tension V=Vertical H=horizontal	Manual drum lock	Automatic drum locking device	Load indicator	Weight kg	Price £
YBA-15	N08300033	9 - 15	1.3	T	V	•	•	•	5.5	£529.54
YBA-30	N08300035	22 - 30	1.5	T + B	V	•	•	•	10.0	£553.56
YBA-40	N08300036	30 - 40	1.5	T + B	V	•	•	•	12.5	£706.41
YBA-50	N08300037	40 - 50	1.5	T + B	V	•	•	•	13.0	£731.53
YBA-60	N08300038	50 - 60	1.5	T + B	V	•	•	•	13.5	£741.36
YBA-70	N08300039	60 - 70	1.5	T + B	V	•	•	•	14.0	£788.30
YBA-15L	N08300040	9 - 15	2.3	T + B	V	•	•	-	10.0	£712.97
YBA-22L	N08300041	15 - 22	2.3	T + B	V	•	•	•	10.0	£728.25
YBA-30L	N08300042	22 - 30	2.3	T + B	V	•	•	•	11.0	£743.54
YBA-40L	N08300043	30 - 40	2.3	T + B	V	•	•	•	14.5	£944.44
YBA-50L	N08300044	40 - 50	2.3	T + B	V	•	•	•	15.0	£1012.13
YBA-60L	N08300045	50 - 60	2.3	T + B	V	•	•	•	16.0	£1094.02
YBA-70L	N08300046	60 - 70	2.3	T + B	V	•	•	•	16.5	£1111.49

TKL/TKR CRANE WEIGHERS

Crane weighers

Measuring range: 0 - 12 tonne

The Tigrip crane weighers, TKL and TKR, are compact measuring devices for the weighing of loads. The TKL model is the standard digital display unit and the TKR model comes complete with a radio remote control.

Use appropriate attachments like grade 8 forgings between the hook of the hoist or crane, the crane weigher, and the load. They are very simple and straight forward to use!

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.

Model: TKL (WITHOUT remote control)

Features and benefits include:

- ✓ High accuracy.
- ✓ Lightweight design.
- ✓ Easy-to-read display.
- ✓ Easy to use.
- ✓ Robust design.
- ✓ Housing can be rotated 180°
- ✓ Retains the peak value to memory.
- ✓ The battery capacity provides for around 200 operating hours.
- ✓ Automatic setting to zero when crane weigher is switched on.
- ✓ Use of rechargeable batteries possible (external battery charger*).
- ✓ Display of maximum weight (gross/net).
- ✓ Display of measuring units at the load indicator.
- ✓ Measuring units: kg, tonnes, lbs, and kN.
- ✓ Automatic stand-by for a prolonged battery lifetime.
- ✓ Simple change of batteries.
- ✓ Warning, if batteries are low.
- ✓ Overload warning.



Included in delivery of TKL:

- ✓ Crane weigher.
- ✓ 4 x 1.5 V AA batteries.
- ✓ Test certificate.



Model: TKR (WITH remote control)

The TKR crane weigher can be operated by radio control. The displayed values can be taken off the remote control device and can be easily transferred to a PC. The system can be combined with an easy-to-read display. Several measured values can be totalled and saved.

TKR has the same features as the TKL model plus:

- ✓ Remote control and data exchange via radio transmission.
- ✓ USB interface.
- ✓ Accumulation memory .

Included in delivery of TKR:

- ✓ Crane weigher.
- ✓ Remote control with display.
- ✓ 7 x 1.5 V AA batteries.
- ✓ Test certificate.
- ✓ PC cable.
- ✓ User software.
- ✓ Carrying case.



TKL/TKR CRANE WEIGHERS

TECHNICAL DATA / PRICES

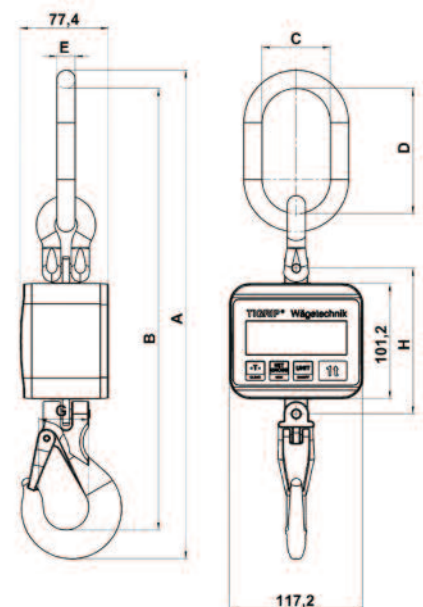
Model	Article number	Measuring range tonne	Nominal load tonne	Limit load tonne	Braking load tonne	Complete unit weight kg	Accuracy of the end value %	Resolution step (partition) kg	Price £
TKL 1.0	N53908446	0 - 1	1	1.1	>4	3	0.1	0.5	£1685.80
TKL 2.0	N53908448	0 - 2	2	2.2	>8	3.5	0.1	1	£1702.18
TKL 3.2	N53908451	0 - 3.2	3.2	3.5	>13	6	0.1	1	£1809.18
TKL 5.0	N53908453	0 - 5	5	5.5	>20	7.5	0.1	1	£1886.70
TKL 12.0	N53908457	0 - 12	12	13.2	>48	20	0.1	5	£3465.49
TKR 1.0	N53908447	0 - 1	1	1.1	>4	3	0.1	0.5	£2833.32
TKR 3.2	N53908452	0 - 3.2	3.2	3.5	>13	6	0.1	1	£2909.75
TKR 5.0	N53908454	0 - 5	5	5.5	>20	7.5	0.1	1	£3003.64

Technical data on TKL and TKR:

- Operation time, approximately 200 hours with 4 x 1.5V AA batteries.
- Temperature range when in operation -10°C to +50°C.
- Temperature range when in storage -20°C to +70°C.
- IP 54 protection.
- 20.5mm high LCD display (4.5 digits).
- Tare range is 100% of rated capacity.
- Overload warning at 110% of the rated capacity.

DIMENSIONS

Model	TKL 1.0 TKR 1.0	TKL 2.0	TKL 3.2 TKR 3.2	TKL 5.0 TKR 5.0	TKL 12.0
A, mm	389	417	488	571	804
B, mm	356	379	441	514	709
C, mm	60	60	75	90	140
D, mm	110	110	125	160	260
E, mm	13	16	18	22	35
F, mm	20	25	32	40	45
G, mm	70	81	103	126	190
H, mm	128	136	140	148	176
J, mm	77.4	77.4	84.4	84.4	97.4



- ! These units are supplied with replaceable AA batteries.
- ! As an option you may replace these for re-chargeable type.
- ! The design allows for easy calibration and maintenance.

TIGRIP®
Crane weighers

TZL/TZR LOAD INDICATORS

Load indicators

Measuring range: 0 - 20 tonne

The Tigrip load indicators, TZL and TZR, are compact measuring devices for the weighing of loads. The TZL model is the standard digital display unit and the TZR model comes complete with a radio remote control.

On account of their flexibility, these load indicators are suitable for a multitude of applications. Whether used as a conventional crane weigher or to measure forces, it is the economical choice for various applications. They are very simple and straight forward to use!

The load indicators 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.

Model: TZL (WITHOUT remote control)

Features and benefits include:

- ✓ High accuracy.
- ✓ Lightweight design.
- ✓ Easy-to-read display.
- ✓ Easy to use.
- ✓ Robust design.
- ✓ Retains the peak value to memory.
- ✓ The battery capacity provides for around 200 operating hours.
- ✓ Automatic setting to zero when load indicator is switched on.
- ✓ Use of rechargeable batteries possible (external battery charger*).
- ✓ Display of maximum weight (gross/net).
- ✓ Display of measuring units at the load indicator.
- ✓ Measuring units: kg, tonnes, lbs, and kN.
- ✓ Automatic stand-by for a prolonged battery lifetime.
- ✓ Simple change of batteries.
- ✓ Warning, if batteries are low.
- ✓ Overload warning.

Included in delivery of TZL:

- ✓ Load indicator.
- ✓ 4 x 1.5 V AA batteries.
- ✓ Test certificate.

***NB. External battery charger is not supplied as standard, but must be specified as an optional extra.**



Model: TZR (WITH remote control)

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

TZR has the same features as the TZL model plus:

- ✓ Remote control and data exchange via radio transmission.
- ✓ USB interface.
- ✓ Accumulation memory .

Included in delivery of TZR:

- ✓ Load indicator.
- ✓ Remote control with display.
- ✓ 7 x 1.5 V AA batteries.
- ✓ Test certificate.
- ✓ PC cable (RS232).
- ✓ User software.
- ✓ Carrying case.



TIGRIP®

Load indicators

TZL/TZR LOAD INDICATORS

TECHNICAL DATA / PRICES

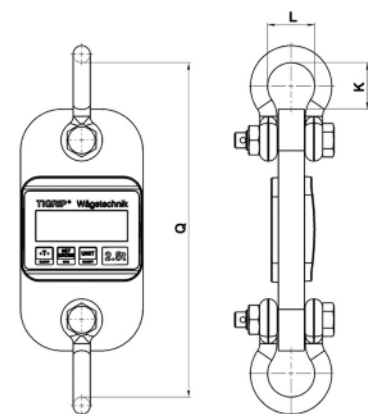
Model	Article number	Measuring range tonne	Nominal load tonne	Limit load tonne	Braking load tonne	Weight without shackles kg	Accuracy of the end value %	Resolution step (partition) kg	Price £
TZL 2.5	N53808324	0 - 2.5	2.5	2.75	>10	1.7	0.2	1	£1349.51
TZL 5.0	N53808325	0 - 5	5	5.5	>20	2.1	0.2	1	£1416.11
TZL 10.0	N53808326	0 - 10	10	11	>40	3.9	0.2	10	£1592.99
TZL 20.0	N53808327	0 - 20	20	22	>80	6.8	0.2	10	£1622.47
TZR 2.5	N53808332	0 - 2.5	2.5	2.75	>10	1.7	0.2	1	£2510.13
TZR 5.0	N53808334	0 - 5	5	5.5	>20	2.1	0.2	1	£2558.18
TZR 10.0	N53808333	0 - 10	10	11	>40	3.9	0.2	10	£2798.38
TZR 20.0	N53808335	0 - 20	20	22	>80	6.8	0.2	10	£2828.95

Technical data on TZL and TZR:

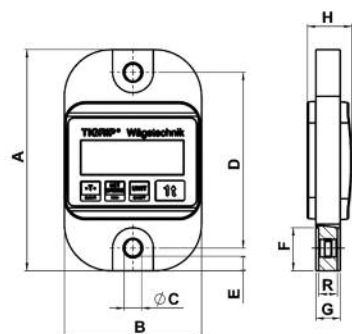
- Operation time, approximately 200 hours with 4 x 1.5V AA batteries.
- Temperature range when in storage -20°C to +70°C.
- 20.5 mm high LCD display (4.5 digits).
- Overload warning at 110% of the rated capacity.
- Temperature range when in operation -10°C to +50°C.
- IP 54 protection.
- Tare range is 100% of rated capacity.

DIMENSIONS

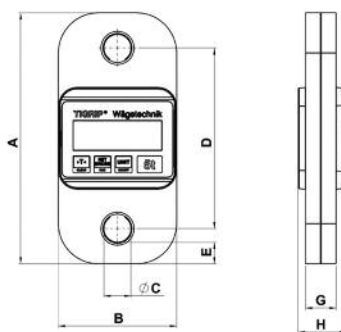
Model	TZL 1.0 TZR 1.0	TZL 2.5 TZR 2.5	TZL 5.0 TZR 5.0	TZL 10.0 TZR 10.0	TZL 20.0 TZR 20.0
A, mm	190	233	250	325	378
B, mm	118	118	118	118	118
C, mm	14	22	27	48	55
D, mm	151	173	180	213	233
E, mm	12.5	19	21.5	22	32
F, mm	37	-	-	-	-
G, mm	21	25	30.5	47	57
H, mm	38.4	42.2	45.1	64.4	74.2
J, mm	348	604	610	690	780
K, mm	30	34	50	105	92
L, mm	26	38	44	95	95
M, mm	10	16	19	35	35
N, mm	25	25	32	50	70
O, mm	23	23	37	63	80
P, mm	17	17	28	44	57
Q, mm	235	309	315	535	562
R, mm	16	-	-	-	-



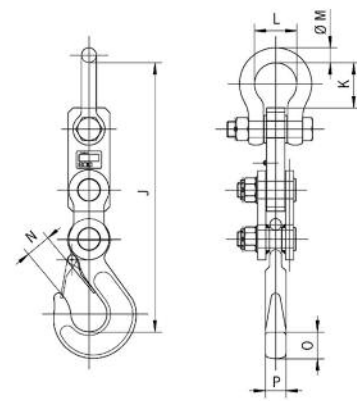
Load indicator.
Model TZL/TZR with shackle.



Load indicator.
Model TZL/TZR 1.0t.



Load indicator.
Model TZL/TZR 2.5 up to 20t.



Load indicator.
Model TZL/TZR with hook.

HEIGHT SAFETY PRODUCTS

It's your life... it's our reputation.

Yale believes in total commitment to safety awareness, resulting in a better working environment. Yale is dedicated to the understanding of customers' needs at all levels and offers a broad range of equipment designed with the exact end-user requirements. Yale's comprehensive range of safety products is manufactured under ISO9002 accreditation and meets all relevant UKCA and European CE standards.

Whether you have already purchased Yale products or are a potential user, instruction and training is a requirement as stated in the Work at Height Regulations 2005.

The Working at Height Regulations 2005

Main points:

- Working at height, no longer means above 2 metres before PPE is required. The new regulations state "Where a person could fall a distance liable to cause personal injury".
- Make sure you have done the following:
 - i) Method statement
 - ii) Risk Assessment
- Have a rescue plan in place. Do NOT rely on the Emergency Services.
- Train people in the use of Fall Protection Equipment.
- Inspection of Fall Protection Equipment (keep records).



NB: This is only a brief description of the regulations. For a full copy visit: www.hse.gov.uk

Fall Factors

Calculating the potential fall distance:

When using a shock absorbing lanyard, it is important to understand how to calculate the potential fall distance to avoid contact with the lower level. The calculation below gives the minimum fall distance between the anchorage point of the lanyard (Fall Factor 2) and the lower level.

This is calculated by allowing for:

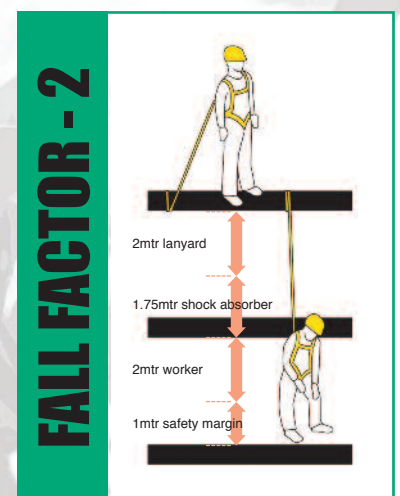
- twice the length of the lanyard (to allow for the length of the lanyard and the height of the worker).
- +1.75mtr deceleration distance to allow for elongation of the shock absorber and any give in the lanyard.
- +1 mtr safety margin.
- TOTAL = 6.75mtr clearance required using a 2mtr lanyard.



✓✓ Best option



✓ Acceptable



⚠ Worst case

HEIGHT SAFETY KITS

Restraint kit £61.14

Model: CMHYP01

Article number: N37420001A

- 1 x Single point harness
- 1 x 2 mtr restraint rope lanyard
- 2 x Screw gate snap hooks
- 1 x Kit bag

** This kit is for
RESTRAINT only
NOT to be used
for fall arrest.*



Construction kit £137.57

Model: CMHYP04

Article number: N37420004A

- 1 x Two point harness
- 1 x 2.2 metre webbing retractor
- 1 x 800mm anchor sling
- 1 x Kit bag



Basic kit £74.25

Model: CMHYP02

Article number: N37420002A

- 1 x Single point harness
- 1 x 2 mtr shock absorbing rope lanyard
- 2 x Screw gate snap hooks
- 1 x Kit bag



Crane maintenance kit £112.46

Model: CMHYP06

Article number: N37420006A

- 1 x Two point harness
- 1 x 2 metre twin tail shock absorbing web lanyard
- 2 x Scaffold hooks
- 1 x Screw gate snap hook
- 1 x Kit bag



Scaffolders kit £87.34

Model: CMHYP03

Article number: N37420003A

- 1 x Single point harness
- 1 x 2 metre shock absorbing rope lanyard
- 1 x Screw gate snap hook
- 1 x Scaffold hook
- 1 x Kit bag



Work positioning kit £272.96

Model: CMHYP08

Article number: N37420008A

- 1 x Four point harness
- 1 x 2 metre work positioning device
- 1 x 2.2 metre webbing retractor
- 1 x Kit bag



HEIGHT SAFETY PRODUCTS

Single point harness

Model: CMHYP10

Article number: N37020010

Single point full body, entry level harness, with rear 'D' attachment point. Fits up to a 48" chest. Conforms to BS EN361.



£33.84

Three point harness

Model: CMHYP20

Article number: N37020020

Three point harness with front 'D' and side 'D' attachment points. Conforms to BS EN361 & BS EN358.



£66.60

Extra large single point harness

Model: CMHYP10XXL

Article number: N4300007639

Extra large single point full body, harness, with rear 'D' attachment point. Fits chest size up to 55". Conforms to BS EN361.



£37.12

Four point quick connect harness

Model: CMHYP56A

Article number: N37020005

Four point harness c/w work positioning belt and quick connect buckles. Conforms to BS EN361 & BS EN358.



£132.11

Two point harness

Model: CMHYP35

Article number: N37020035

Two point full body harness with front & rear 'D' attachment points. Conforms to BS EN361.



£42.59

Rescue harness

Model: CMHYP10R

Article number: N37020011

Harness with front & rear 'D' attachment points with the added rescue anchorage point. Conforms to BS EN361.



£48.04

Extra large two point harness

Model: CMHYP35XXL

Article number: N4300008966

Two point full body harness with front & rear 'D' attachment points. Fits chest size up to 55". Conforms to BS EN361.



£46.95

Riggers harness

Model: CMHYP70

Article number: N37020070

Five point full body harness. Conforms to BS EN361, BS EN358, and BS EN813



£174.70

* If you have a specific height safety requirement and the product you need is not shown in this price list, please call our sales team on: 01244 375375 and they may be able to offer you some more alternatives.

FALL ARREST LANYARDS

ROPE



CMHABMLB121scaff

Model: CMHABMLB121

2 metre x 12mm rope lanyard
c/w 2 screw gate connectors.
(Article: N4300006103)

£36.03

Model: CMHABMLB121S

1.5 metre x 12mm rope lanyard
c/w 2 screw gate connectors.
(Article: N4300006104)

£33.84

Model: CMHABMLB121scaff

2 metre x 12mm rope lanyard c/w 1 scaffold
hook & 1 x screw gate connector.
(Article: N4300006105)

£44.77

Model: CMHABMLB121Sscaff

1.5 metre x 12mm rope lanyard
c/w 1 scaffold hook & 1 x screw gate connector.
(Article: N4300006106)

£43.68

Model: CMHABMLB102scaff

2 metre x 12mm twin tail rope lanyard c/w
2 scaffold hooks & 1 screw gate connector.
(Article: N4300006108)

£72.06

Model: CMHABMLB100-20

2 metre x 12mm adjustable lanyard
c/w 2 screw gate connectors.
(Article: N4300008280)

£45.86

**All lanyards conform to BS EN354 & BS EN355.*

WEBBING



CMHABM2Tscaff

Model: CMHABMT

2 metre webbing lanyard
c/w 2 x screw gate connectors.
(Article: N37220026)

£40.40

Model: CMHABMTS

1.5 metre webbing lanyard
c/w 2 x screw gate connectors.
(Article: N4300006111)

£39.30

Model: CMHABMTscaff

2 metre webbing lanyard
c/w 1 x scaffold hook and
1 x screw gate connector.
(Article: N37220028)

£61.14

Model: CMHABMTSscaff

1.5 metre webbing lanyard
c/w 1 scaffold hook and 1 x screw
gate connector.
(Article: N4300006112)

£54.59

Model: CMHABM2Tscaff

2 metre twin tail webbing lanyard
c/w 2 scaffold hooks & 1 x screw
gate connector.
(Article: N4300006101)

£72.94

**All lanyards conform to BS EN354 & BS EN355.*

RESTRAINT



CMHLB121-20

Model: CMHLB100-20

2 metre x 12mm adjustable restraint lanyard
c/w 2 screw gate snap hooks, BS EN354.
(Article: N4300012503)

£36.03

Model: CMHLB100-20scaff

2 metre x 12mm adjustable restraint lanyard c/w
1 x scaffold hook and 1 x screw gate snap hook,
BS EN354. (Article: N4300008410)

£48.04

Model: CMHLB121-10

1 metre x 12mm restraint lanyard
c/w 2 screw gate snap hooks, BS EN354.
(Article: N4300006134)

£29.48

Model: CMHLB121-15

1.5 metre x 12mm restraint lanyard
c/w 2 screw gate snap hooks, BS EN354.
(Article: N4300006133)

£30.57

Model: CMHLB121-20

2 metre x 12mm restraint rope lanyard
c/w 2 screw gate snap hooks, BS EN354.
(Article: N37220024)

£30.57

FALL ARREST BLOCKS



CMHCR250v



CMHAH210



CMHCRW300



CMHWR100

Cable blocks 6 - 15 metre

Model: CMHCR250v06-2 (192066967)
6 metre fall arrest block with 4mm diameter cable.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 4kg

£367.95

Model: CMHCR250v10-2 (192066968)
10 metre fall arrest block with 4mm diameter cable.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 4.2kg

£376.68

Model: CMHCR250v12-2 (192066972)
12 metre fall arrest block with 4mm diameter cable.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 4.7kg

£393.06

Model: CMHCR250v15-2 (192066973)
15 metre fall arrest block with 4mm diameter cable.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 4.9kg

£418.18

Retrieval block 25 metre

Model: CMHCRW30025 (Article: 192040308)
25 metre fall arrest / retrieval block for fall arrest
and rescue with 4.7mm diameter galvanised
steel cable. Max. rated load 100kgs, minimum
rated load 50kgs. For lifting & lowering personnel
only. Conforms to BS EN360, BS EN1496 Class B.

£1232.68

Cable blocks 20 - 25 metre

Model: CMHCR30020 (Article: N37320020)
20 metre fall arrest block with 4mm diameter cable.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 11.25kg.
*Replacement rope 20m x 4mm N4300007540 £63.27

£498.97

Model: CMHCR30025 (Article: N37320025)
25 metre fall arrest block with 4mm diameter cable.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 11.5kg.
*Replacement rope 25m x 4mm N4300007541 £68.37

£575.40

Webbing blocks

Model: CMHWR100-06 (Article: N4300013778)
6 metre fall arrest block with 17mm wide webbing
polyester - Kevlar fibres. Fitted as standard with
fall indicator in connector.
WLL 120kg. Unit weight 1.7kgs.

£229.29

Model: CMHAH210 (Article: N37320035)
2.25 metre mini retractor with 45mm wide webbing.
Fitted as standard with fall indicator in connector.
WLL 120kg. Unit weight 1.2kg.

£87.34

All fall arrest blocks conform to BS EN360.

TRIPODS, WINCHES, RESCUE & ACCESSORIES



* Price shown is for Tripod only. Winch and pulley are available separately.

Tripod (1.75mtr closed height)

Model: CMHTM9

Personnel tripod for lifting & lowering. Max. 1 user. (140kg)
Height to underside 1340-2300mm. Footprint dia. 1.66 - 2.36mtr. Weight 17kg. Conforms to BS EN795
Article: N37320039

£596.14

NB: To use as a **material tripod** you need to replace the connector with 500kg WLL connector
Article: 192063945

£52.41



Winches

Winches with automatic brake c/w mounting bracket, cable diameter 6.3mm. With working load limit of 140kg. Net weight 13kg. Conform to BS EN1496.



20mtr winch (Article: N37320040)

£585.23

Replacement 20mtr rope: (Article: 192028082)

£114.64

25mtr winch (Article: N37320045)

£614.70

Replacement 25mtr rope: (Article: 192034922)

£132.11



Work positioning

Model: CMHAF130-02

2 metre work positioning device c/w shortener. Conforms to BS EN358. (Article: N37220029)

£77.52

Model: CMHAF130-04

4 metre work positioning device c/w shortener. Conforms to BS EN358. (Article: N37220030)

£80.80

CMHAZ900080



CMHPL101



Accessories

CMHPL101 Pulley to operate with tripod and winch. (Article: 192057500)

£52.41

CMHAZ011 Steel snap hook 18mm screw gate. Conforms to BS EN362. (Article: N4300006118)

£12.01

CMHAZ011t Steel snap hook 18mm twist lock. Conforms to BS EN362. (Article: N4300006119)

£19.66

CMHAZ023 Light alloy snap hook 60mm. Conforms to BS EN362. (Article: N4300008257)

£19.66

CMHAZ900080 800mm webbing anchor sling. Conforms to BS EN795. (Article: N4300006129)

£15.29

CMHAXBP Ruck sack. (Article: N37520001)

£20.75

CMHAY201 Trauma strap. 1200mm working length. (Article: N4300006933)

£19.66

CMHAT171 Mountain bracket to fit retrieval block to CMHTM9 tripod.

£128.84

CMHAT171

CMHAZ023

CMHAXBP

CMHAZ011

CMHAY201

HYDRAULIC JACKS AND TOOLS

Why hydraulics?

Hydraulics, or fluid mechanics, offer extremely high forces with compact construction, which gives portable lifting, pushing and pulling power for numerous applications. There is no other kind of power transmission that will provide comparable high forces with the same compact size.

Hydraulics tools

The specialised design of hydraulic tools provides flexibility to engineers looking for a solution to lift, push or pull in general assembly and repair jobs. The compact construction provides a versatile tool that is capable of being used in a number of universal applications.

The robust construction of the Yale range of hydraulic cylinders have been designed to withstand the arduous conditions experienced in heavy duty industrial applications. Depending on the application, the user can specify from a range of hand pumps, electrically powered pumps and controls in 3 phase and single phase construction. Yale also offers a range of air powered pumps and petrol engined pumps where mains electricity is not available.

How to reach high forces in hydraulics?

Area	x	pressure	=	force
Effective piston area	x	system pressure	=	force
cm ²	x	bar	=	daN

Example: Hydraulic cylinder YS10/...

14.3cm ²	x	700bar	=	10010daN
			=	100kN
			=	10ton

Linear conversion of pressure force:

The above formulae shows that pressure forces can be converted linearly.

Example: A 10ton cylinder presses at -

700bar	-	100kN	=	10t
350bar	-	50kN	=	5t
100bar	-	14kN	=	1.4t
1bar	-	0.14	=	0.014t

Basic terms in hydraulics

Pressure

is the system pressure generated by the hand pump, however, this can also be produced from an external power source.

Force

is the pressure transferred by the hydraulic cylinder proportional to the load up to the maximum capacity.

Stroke

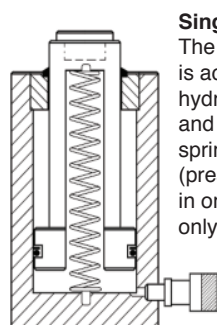
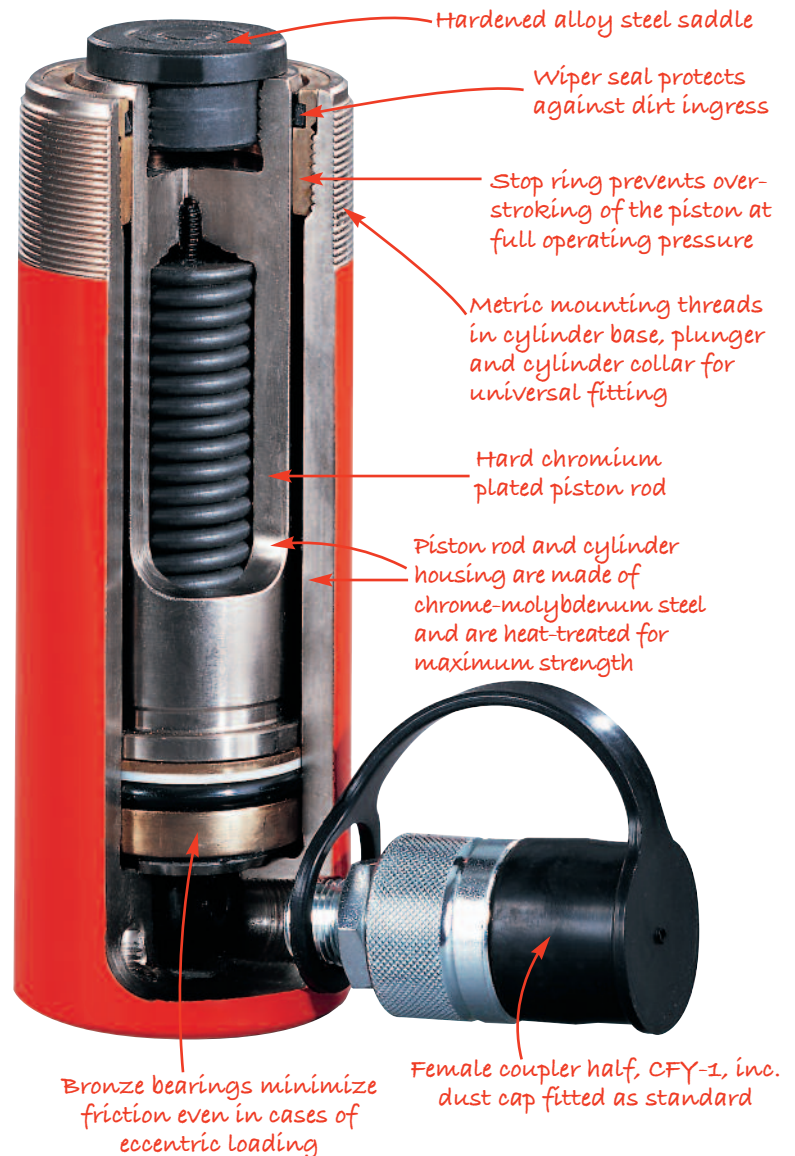
is the piston rod travel distance to be achieved by the relative force (no-load stroke, loaded stroke, return stroke).

Piston travel speed

is the time taken for the piston rod of the hydraulic cylinder to travel through a fixed distance.

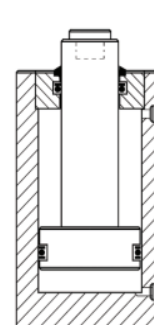
Hydraulic cylinders

are available in different designs with two basic types. SA=single acting and DA=double acting.



Single-acting

The piston travel is achieved via hydraulic pressure and returned by spring force (pressure build-up in one direction only).



Double-acting

The piston travel is achieved via hydraulic pressure in both directions (push forces and pulling forces are possible however, pulling power will always be lower due to the available area of the piston).

YS UNIVERSAL CYLINDERS



**Single-acting with spring return,
5 to 100 tonne, maximum operating pressure: 700 bar.**

For all universal operations where high forces and compact dimensions are required. Robust cylinder design, manufactured from chromium-molybdenum steel with hard chromium plated piston and large bronze bearings. Includes: saddle, mounting threads, and female coupler half.

Model	Cylinder size tonne	Oil vol. max. cm ³	Stroke mm	Closed height mm	Price £
YS 5/15	5	11	15	45	£159.41
YS 5/25	5	18	25	97	£187.80
YS 5/75	5	53	75	157	£210.73
YS 5/127	5	90	127	214	£235.84
YS 5/180	5	127	180	267	£267.50
YS 10/25	10	37	25	90	£204.18
YS 10/50	10	73	50	125	£231.47
YS 10/100	10	146	100	178	£246.75
YS 10/150	10	218	150	250	£280.60
YS 10/200	10	291	200	300	£305.71
YS 10/250	10	363	250	352	£381.05
YS 10/300	10	436	300	407	£420.36
YS 15/25	15	53	25	110	£267.50
YS 15/50	15	106	50	140	£294.80
YS 15/100	15	213	100	190	£335.20
YS 15/150	15	319	150	260	£357.03
YS 15/200	15	425	200	310	£400.70
YS 15/250	15	531	250	365	£465.12
YS 15/300	15	637	300	420	£515.34
YS 15/350	15	744	350	472	£555.75
YS 23/25	23	83	25	116	£314.45
YS 23/50	23	166	50	150	£325.37
YS 23/100	23	332	100	202	£375.59
YS 23/160	23	531	160	227	£399.61
YS 23/210	23	697	210	330	£467.30
YS 23/250	23	830	250	376	£542.64
YS 23/300	23	996	300	428	£636.54
YS 23/345	23	1145	345	477	£661.66
YS 30/125	30	552	125	245	£682.40
YS 30/200	30	884	200	325	£742.45
YS 50/50	50	355	50	170	£708.86
YS 50/100	50	709	100	220	£775.20
YS 50/160	50	1135	160	285	£802.50
YS 50/320	50	2269	320	460	£1359.34
YS 70/150	70	1478	150	285	£1243.60
YS 70/330	70	3252	330	490	£1620.29
YS 100/100	100	1432	100	275	£1651.95
YS 100/200	100	2863	200	375	£2019.90

YLS/YFS LOW PROFILE



**Low height and flat cylinders. Single-acting with spring return,
10 to 100 tonne, maximum operating pressure: 700 bar.**

Very compact hydraulic cylinders designed for general lifting and positioning jobs as well as for all basic maintenance applications, where high power, low height, portability, and light weight are required. Includes: female coupler half.

Model	Cylinder size tonne	Oil vol. max. cm ³	Stroke mm	Closed height mm	Price £
YLS 10/35	10	51	35	86	£212.91
YLS 20/45	20	128	45	100	£306.80
YLS 30/60	30	266	60	120	£417.09
YLS 50/60	50	426	60	122	£517.53
YLS 100/55	100	788	55	141	£738.09
YFS 10/11	10	16	11	43	£229.29
YFS 20/15	20	31	15	60	£341.75
YFS 30/15	30	66	15	60	£434.55
YFS 50/15	50	107	15	70	£449.84
YFS 100/15	100	215	15	91	£650.73

YCS HOLLOW CYLINDERS



**Single-acting with spring return,
12 to 93 tonne, maximum operating pressure: 700 bar.**

Due to the centre hole design, a threaded rod can be placed through the hollow cylinders, so that extremely high pulling forces can be achieved. This allows applications, such as pre-stressing of anchor bolts, removal of axle bushings, extracting tubes or for general heavy duty pulling jobs. Includes: saddle, mounting threads, and female coupler half.

Model	Cylinder size tonne	Pull capacity kN	Stroke mm	Centre hole dia. mm	Price £
YCS 12/40	12	120	40	20	£408.34
YCS 12/75	12	120	75	20	£428.00
YCS 21/50	21	214	50	27	£625.62
YCS 21/150	21	214	150	27	£981.56
YCS 33/60	33	335	60	33	£842.90
YCS 33/150	33	335	150	33	£1226.13
YCS 57/70	57	567	70	42	£1362.61
YCS 62/150	62	618	150	55	£1962.03
YCS 93/75	93	930	75	80	£2742.70

YH UNIVERSAL CYLINDERS

Double-acting with hydraulic return, 5 to 200 tonne, max. operating pressure: 700 bar

Double-acting cylinders with high retraction speed. The powerful return of the piston, the extra long piston bearings, and the high-grade material make these cylinders extremely robust and suitable for the toughest of jobs.



Model	Cylinder size tonne	Capacity push/pull kN	Stroke mm	Closed height mm	Price £
YH 5/30	5	50/22	30	160	£325.37
YH 5/80	5	50/22	80	210	£358.12
YH 5/150	5	50/22	150	280	£365.77
YH 10/30	10	100/45	30	175	£387.60
YH 10/80	10	100/45	80	225	£408.34
YH 10/150	10	100/45	150	295	£482.59
YH 10/250	10	100/45	250	395	£553.56
YH 20/50	20	200/100	50	195	£555.75
YH 20/150	20	200/100	150	310	£777.39
YH 20/250	20	200/100	250	410	£877.84
YH 30/200	30	300/140	200	325	£958.63
YH 30/350	30	300/140	350	510	£1017.59
YH 50/150	50	500/220	150	325	£1021.96
YH 50/350	50	500/220	350	525	£1542.77
YH 50/500	50	500/220	500	685	£1990.41
YH 70/150	70	700/330	150	335	£1748.03
YH 70/350	70	700/330	350	540	£2326.70
YH 100/50	100	1000/450	50	265	£1748.03
YH 100/150	100	1000/450	150	365	£2321.25
YH 100/350	100	1000/450	350	565	£3098.63
YH 100/500	100	1000/450	500	725	£3790.86

*200 tonne cylinders prices available on request.

YCH HOLLOW CYLINDERS

Double-acting with hydraulic return, 33 to 140 tonne, maximum operating pressure: 700 bar.

Due to the centre hole design a threaded rod can be placed through the hollow cylinders so that extremely high pulling forces can be achieved for applications such as pre-stressing of anchor bolts, removal of axle bushings, extracting tubes and with puller sets for general heavy duty pulling jobs. Includes: saddle, mounting threads and female coupler half.



Model	Capacity (t)	Capacity (kN)	Oil volume (cm³)	Closed height (mm)	Ctr. hole (mm)	O/S dia. (mm)	Price (£)
YCH 33/150	335	180	716	310	33	114	£1572.12
YCH 33/250	335	180	1200	415	33	114	£1728.38
YCH 62/250	618	300	2220	452	55	163	£2735.05
YCH 93/250	930	450	3320	465	55	193	£3824.70
YCH 100/40	1000	500	578	190	55	200	£2818.03
YCH 140/200	1400	700	4080	383	80	253	£4079.10

YELB CYLINDERS/SAFETY LOCK

Cylinders with safety lock nut
Single-acting, 30 to 1100 tonne
Max. operating pressure: 700 bar

Recommended when loads have to remain in the raised position over a period of time. The safety lock nut ensures a positive load hold in any position and work can be carried out beneath the raised load. Hydraulic pressure can be released so that cylinders work like mechanical supports. Pumps can be separated from cylinders.



Model	Cylinder size tonne	Oil vol. max. (cm³)	Stroke mm	Closed height mm	Price (£)
YELB 30/50	30	221	50	141	£508.80
YELB 30/100	30	442	100	191	£590.68
YELB 30/150	30	663	150	246	£625.62
YELB 50/50	50	355	50	185	£738.09
YELB 50/100	50	710	100	235	£839.62
YELB 50/150	50	1063	150	285	£931.34
YELB 93/50	93	663	50	200	£1032.88
YELB 93/100	93	1327	100	250	£1197.75
YELB 93/150	93	1989	150	300	£1504.55
YELB 140/50	140	1005	50	210	£1504.55
YELB 140/100	140	2010	100	260	£1748.80
YELB 140/150	140	3015	150	310	£1896.52
YELB 220/50	220	1570	50	245	£1682.52
YELB 220/100	220	3140	100	295	£2784.18
YELB 220/150	220	4710	150	345	£3366.13

HPS/H HAND PUMPS

HPS - Single acting cylinders
HPH - Double acting cylinders

All steel construction for durable use and high efficiency pumping action. Includes: hydraulic oil, carrying handle, reservoir ventilation plug, and many more features.



Max. operating pressure: 700 bar

Model	Reservoir capacity (cm³)	Displacement	Weight (kg)	Price (£)
HPS 1/0.7A	700	Single Stage	7.0	£293.70
HPS 2/0.3A	300	Two Stage	3.5	£325.37
HPS 2/0.7A	700	Two Stage	7.0	£350.48
HPS 2/2A	2000	Two Stage	10.0	£396.34
HPS 2/4A	4000	Two Stage	13.0	£473.86
HPS 2/6A	6000	Two Stage	21.0	£566.66
HPS 2/10A	10000	Two Stage	27.0	£746.82
HPH 2/0.7A	700	Two Stage	8.0	£649.64
HPH 2/2A	2000	Two Stage	11.0	£661.66
HPH 2/4A	4000	Two Stage	14.0	£729.34
HPH 2/6A	6000	Two Stage	22.0	£815.60
HPH 2/10A	10000	Two Stage	28.0	£1007.77

GGY/A GAUGES

*** CALIBRATED
GAUGES ON
REQUEST**

GGY pressure gauges

For use when the operating pressure (the force of the connected cylinder) needs to be monitored. To absorb shock loading, these Yale gauges are glycerine filled. Also available calibrated as an optional extra.

GYA pressure gauge set

Suitable for connection to all HPS hand pumps. Assembled and ready to use. Consists of pressure gauge and corresponding gauge adaptor.

Pressure gauge adaptor

This pressure gauge adaptor is suitable for connection to all HPS hand pumps. Gauge connection with sleeve nut and 30° angle for easy reading.

Pressure gauge adaptor set

This pressure gauge adaptor set is suitable for connection to all HPH hand pumps (double acting cylinders).



Model	Description	Dia. mm	Range Bar	Oil Port	Price £
GGY-631	Pressure gauge	63	0-1000	G1/4	£37.12
GGY-1001	Pressure gauge	100	0-1000	G1/2	£122.29
GYA-63	Pressure gauge set	63	0-1000	G1/2	£91.71
GA-701	Press. gauge adapt.	N/A	N/A	G1/2	£36.03
GA-703	Press. gauge adapt. set	N/A	N/A	G1/2	£44.77

HHC HYDRAULIC HOSES

Durable, yet highly flexible thermoplastic hydraulic hoses guarantee a very long service life. High safety factor, with a burst pressure of 2800 bar.

- Connections 3/8 NPT.
- Hose Oil Volume: 35cm³ per metre.
- Male coupler half is supplied as standard with the hoses.



Model	Hose length mtr	Width mm	Maximum pressure bar	Price £
HHC - 0.5	0.5	6,3	700	£55.68
HHC - 10	1	6,3	700	£64.41
HHC - 20	2	6,3	700	£74.25
HHC - 30	3	6,3	700	£96.09
HHC - 40	4	6,3	700	£117.91
HHC - 60	6	6,3	700	£153.95
HHC - 80	8	6,3	700	£168.14
HHC - 100	10	6,3	700	£222.73

AYS/H ACCESSORIES

Lifting claws

In conjunction with the corresponding hydraulic cylinder, a lifting claw represents a compact, lightweight, and versatile lifting unit.

Piston plates

Can be screwed into the piston thread of cylinders. They reduce surface pressure and prevent the pistons from sinking into the ground.

Base adaptors

The use of extension tubes adds to the versatility of the standard cylinders.

Support plates

Used to spread the load, they protect the cylinders from tipping or sinking into the ground.

Clevis eye mountings

Screwed onto the piston and bottom of the hydraulic cylinder, in those cases where conditions require pivoting of the cylinder.



Model	Description	Suitable for	Price £
AYS-10	Lifting claw, max 5t	YS10/....	£103.73
AYS-15	Lifting claw, max 8t	YS15/....	£129.93
AYS-23	Lifting claw, max 12t	YS23/....	£139.75
AYS-53	Base adaptor, 5t	YS5/....	£45.86
AYS-54	Ext. tube, 125mm, 5t	YS5/....	£46.95
AYS-55	Ext. tube, 250mm, 5t	YS5/....	£51.32
AYS-56	Ext. tube, 500mm, 5t	YS5/....	£53.50
AYS-103	Base adaptor, 10t	YS10/....	£44.77
AYS-104	Ext. tube, 125mm, 10t	YS10/....	£55.68
AYS-105	Ext. tube, 250mm, 10t	YS10/....	£64.41
AYS-106	Ext. tube, 500mm, 10t	YS10/....	£91.71
AYS-107	Ext. tube, 750mm, 10t	YS10/....	£122.29
AYS-153	Base adaptor, 15t	YS15/....	£56.77
AYS-154	Ext. tube, 125mm, 15t	YS15/....	£64.41
AYS-155	Ext. tube, 250mm, 15t	YS15/....	£78.61
AYS-156	Ext. tube, 500mm, 15t	YS15/....	£96.09
AYS-157	Ext. tube, 750mm, 15t	YS15/....	£125.56
AYS-102	Piston plate, round	YS10/....	£74.25
AYS-152	Piston plate, round	YS15/....	£93.90
AYS-232	Piston plate, round	YS23/....	£113.55
AYS-101	Support base plate	YS10/....	£111.37
AYS-151	Support base plate	YS15/....	£176.88
AYS-231	Support base plate	YS23/....	£211.82
AYH - 5-1	Cylinder base	YH5/30	£89.53
AYH - 5-2	Piston	YH5/80	£86.25
		YH5/150	
AYH - 10-1	Cylinder base	YH10/30	£91.71
AYH - 10-2	Piston	YH10/80	£68.79
		YH10/150	
		YH10/250	
AYH - 20-1	Cylinder base	YH20/50	£172.51
AYH - 20-2	Piston	YH20/150	£139.75
		YH20/250	

MY MANIFOLDS (700bar)

Manifolds, 700 bar

Manifolds are used when several hydraulic cylinders have to be connected to one hydraulic pump.

All manifolds are equipped with 3/8 NPT inner oil ports, so that fittings, hydraulic hoses, and couplers can be easily attached.



Manifolds with shut-off valve

Manifolds with shut-off valves are used when different pressures must be maintained in each hydraulic line.

Therefore, they allow the lifting of unequal loads. Manifolds are ready assembled and can be screwed directly to a hand pump or power pack.



Model	Description	Weight kg	Price £
MY - 1	Oil port - 6 x 3/8 - NPT inner	0.5	£67.70
MY - 2	Oil port - 4 x 3/8 - NPT inner	0.6	£53.50
MY - 4	Oil port - 7 x 3/8 - NPT inner	1.4	£96.09
MY - 22	Manifold with 2 shut-off valves	1.8	£203.09
MY - 44	Manifold with 4 shut-off valves	3.7	£388.70
MY - 66	Manifold with 6 shut-off valves	5.5	£587.41
MY - 22 - GYA	Manifold with 2 shut-off valves and 2 pressure gauges	2.8	£314.45
MY - 44 - GYA	Manifold with 4 shut-off valves and 4 pressure gauges	5.7	£601.60
MY - 66 - GYA	Manifold with 6 shut-off valves and 6 pressure gauges	8.5	£897.49

VSM/VHM/VPR/VPS VALVES & PRESSURE SWITCH

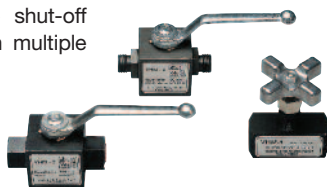
VSM safety-check valves

These safety-check valves are used for those applications where pressure drops (eg holding of a raised load) must be avoided.



VHM throttle-/Shut off valves

These valves are used to shut-off hydraulic lines especially in multiple cylinder systems. The needle valve VHM-1 also allows you to throttle an oil flow especially within lifting applications



VPR external pressure relief valves

Pressure relief valves are used when the system pressure (force of the connected hydraulic cylinder) should not exceed a certain value.



VPS pressure switch

This precision adjustable pressure switch can be set to any pressure value between 5 and 700 bar by means of a screwed adjuster. When the preset pressure value is reached, an electrical contact is activated. For use with electrically operating directional control valve.



Safety-check valves, throttle-/shut off valves

Model	Pressure maximum bar	Design type	Oil port cylinder side A	Oil port pump side B	Width mm	length mm	Dimensions width mm	height mm	Weight kg	Price £
*VSM-11	700	needle	3/8-18 NPT outer	3/8-18 NPT inner	6	75	25	100	0.9	£220.55
**VSM-21	700	needle	3/8-18 NPT inner	3/8-18 NPT outer	6	75	25	100	1.0	£259.86
VHM-1E	700	needle	3/8-18 NPT inner	3/8-18 NPT inner	6	70	28	88	0.4	£68.79
VHM-2	700	ball	3/8-18 NPT inner	3/8-18 NPT inner	6	83	45	61	0.9	£91.71

*For fitting directly into a hydraulic cylinder. **For fitting to directional control valve.

Pressure relief valves

Model	Control range bar	Oil ports		Max. oil flow l/min	Dimensions in mm		Weight kg	Price £
		P	T		length	Ø		
VPR-1	0 - 700	3/8-NPT	1/4-NPT	10	120	40	0.8	£128.84

Pressure Switch

Model	Pressure range bar	Electrical data	Oil port	Difference of switch point bar	Repeat accuracy bar	Dimensions mm	Weight kg	Price £
VPS-1	100 - 800	5A / 250V	3/8 NPT	25-70	10	130 x 85	0.5	£231.47

PYB 'CORDLESS' BATTERY POWER PUMP

Operating pressure max. 700bar

The Yale PYB cordless battery power pump provides a flexible addition to the Yale hydraulic programme. This extremely compact and lightweight power pack gives the user the freedom to operate in areas where there is no power source, increasing productivity over the conventional hand pump and all at the push of a button.

The power pack utilises a standard Hitachi Li-ion battery and charger to maximise operation.

Ideal for a range of applications using small to mid size single-acting cylinders, hydraulic spreaders, lifting wedges, nut splitters and much more.

FEATURES

- One-Hand-Operation. Push-button integrated into ergonomic handle.
- Two-stage operation with automatic switch-over.
- With internal pressure relief valve.
- Reservoir made from aluminium, extreme low weight.
- Protective cover to prevent inadvertent switch on of pump.
- Rubber tank bladder enables the pump to be used in any position.

SCOPE OF DELIVERY

- Electric power pack, battery driven.
- Oil filled ready for work.
- Female couple half CFY-1.
- Shoulder belt.



NEW DEVELOPMENT
CORDLESS TECHNOLOGY
FOR MOBILE OPERATION

PLEASE NOTE: THE BATTERY AND CHARGER (SHOWN ABOVE) ARE NOT SUPPLIED IN THE STANDARD SCOPE OF DELIVERY. THESE ITEMS MUST BE ORDERED SEPERATELY.

Model PYB-1.0
with optional
pressure
guage



Model PYB-0.6



Optional pressure gauge
model GYA-63



One-Hand-Operation
push-button integrated
ergonomic handle

COMPARISON

Cylinder size t	Hand Pump No. of pump strokes for 10mm stroke		Cordless power pack PYB Piston travel speed	
	HPS-2/0.7A up to HPS-2/10A LP	HPS-1/0.7A up to HPS-2/10A HP	mm/sec	
			LP	HP
5	1	4	16.2	1.4
10	1	7	8.2	0.7
15	2	11	5.4	0.5
20	2	14	4.1	0.35
21	2	15	3.8	0.33
23	3	17	3.5	0.3
30	3	22	2.7	0.23

LP = Low pressure stage (unloaded stroke)
HP = High pressure stage (loaded stroke)

TECHNICAL DATA

Model	Description	Article number	Displacement	Reservoir volume litres	Displacement 1 st stage l/min	Displacement 2 nd stage l/min	Weight w/o battery kg	Weight with battery kg	Price £
PYB-0.6	Pump	192043421	two-stage	0.6	0.7	0.06	4.8	5.5	£1362.61
PYB-1.0	Pump	192043988	two-stage	1.0	0.7	0.06	5.7	6.4	£1574.43
PYB-RCB	Battery	192043950	-	-	-	-	-	-	£177.97
PYB-LG230-12	Charger	192043961	-	-	-	-	-	-	£107.00

YCC-201 HYDRAULIC CHAIN CUTTER

The Yale hydraulic chain cutter, model YCC-201, is designed for safe and quick cutting of high-tensile chains up to 13mm diameter. It is suitable for grade 80 and grade 100 chains.

The cutting force is supplied by the standard single-acting cylinder model: YS-23/50.

Recommended pumps:

- Air powered pump: PAY - 6.
- Electric power pack: PY - 04/2/5/2 M (N12300132)
- Hand pump: HPS - 2/0.7 (N12101012)
- Cordless pump: PYB (see page 59).



Chain support bar



The return of the moveable blade is performed by the return spring of the hydraulic cylinder after relief of the hydraulic pressure. In combination with the PY-04/2/5/2M the blade returns automatically.

*The chain cutter has two blades, a 'fixed' blade and a 'moveable' blade. Both blades are identical and interchangeable.

The unit is also equipped with a unique chain support bar (shown above). This allows for perfect positioning of the chain link and leads to a much longer service life.

Description	Article number	Price £
Complete unit	N13900934	£3672.94
Single replacement blade	N13900008	£303.53 (each)

PY 'PORTABLE' HYDRAULIC POWER PUMPS

Electric motor pumps, portable Model PY-04

Operating pressure mx. 700bar

These light-weight, yet powerful two-stage pumps, are specifically designed for maintenance and repair jobs. Depending on their type, they can either operate single or double acting hydraulic cylinders.

The ideal combination of manually operated valve and pendant control provides the operator with ample freedom of motion and ensures safe holding of the load.

With their light weight and convenient carrying handle, these pumps can be easily transported.



Model	For cylinder	Control valve operation	Reservoir litres	Motor	Displacement		Weight kg	Price £
					no load l/min	under load l/min		
*PY-04/2/5/2 M	single-acting	manual	5.0	0.35kw - 230V, 1Ph	4.0	0.23	24	£2362.73
*PY-04/2/5/4 M	double-acting	manual	6.5	0.35kw - 230V, 1Ph	4.0	0.23	24	£2561.45
PYE-03/3/10/3 M	single-acting	manual	10	0.35kw - 400V, 3Ph	0.3	0.3	35	£2851.69
PYE-03/3/10/4 M	double-acting	manual	10	0.35kw - 400V, 3Ph	0.3	0.3	35	£2819.12

*110v models are also available. Please call the Yale sales team for details. *Supplied with pendant control.

HAW S HYDRAULIC REPAIR SET

The maintenance repair set is indispensable in factories and workshops. It provides controlled hydraulic force for universal applications, such as pressing, straightening, lifting, flattening, pushing bolts, bending, spreading, tensioning, etc.

Model	Article number	Pressing power t	Cylinder stroke mm	Weight kg	Price £
HAW S 10,0	32457050	10	152	34.5	£281.70



YSW HYDRAULIC & MECHANICAL WEDGES

Yale's range of hydraulic and mechanical wedges and spreaders are designed to compliment the existing range of maintenance tools.

USER FEATURES

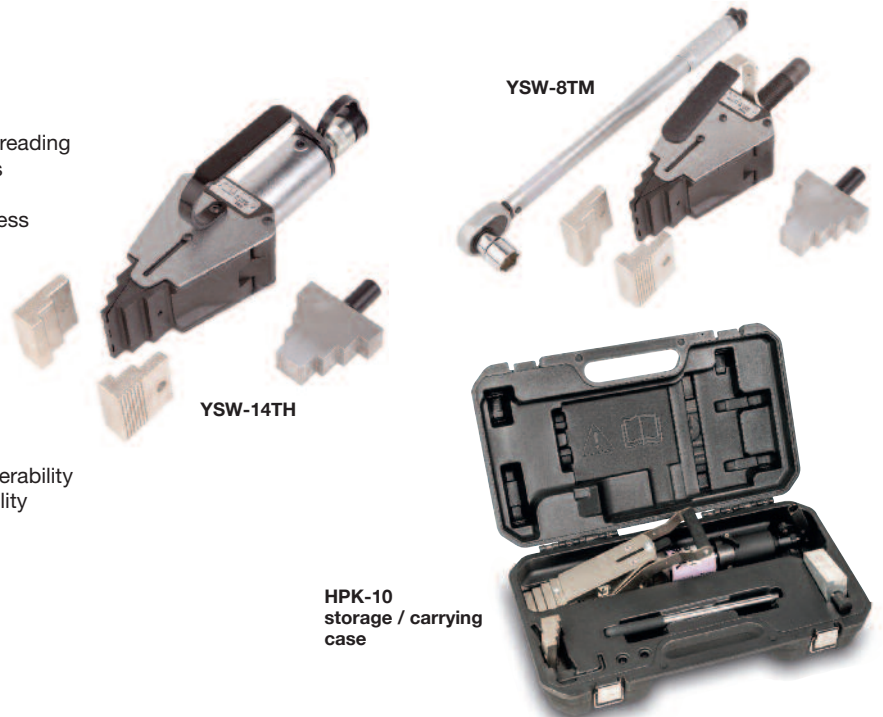
- Practical, portable and lightweight
- Moulded plastic handle for comfort
- Revolving handle to aid horizontal or vertical spreading
- Offset handle is directly over the centre of mass
- Removable handle for improved access
- Swivel hose coupler with elbow - improves access by allowing hose to revolve
- Spread indicator markings for clear precise visual progress feedback

SAFETY FEATURES

- No finger pinch-points
- Increased step depth on upper steps
- Safety lanyard - 1.0m length
- Partially recessed coupler reduces coupler vulnerability
- Forged key components for strength and reliability

MAINTENANCE FEATURES

- Rapid disassembly and assembly
- Quick jaw replacement - remove 1 fastener
- Quick tip replacement - remove 2 fasteners
- Narrow jaw teeth - improved tool wear.



Model	Spreading force tonnes	Description / Comprising:	Acceptance dimension mm	Spreading distance mm	Article number	Price £
YSW-14TH	14	Hydraulic lifting wedge c/w stepped blocks, safety block, and plastic storage case	6	6 - 86	192041535	£1591.90
YSW-14 Standard Kit	14	1 x YSW-14TH wedge 1 x HPS-2/0.7A hand pump* 1 x HHC-30 hydraulic hose with couplers 1 x HPK-10 and metal storage case	6	6 - 86	N12701813	£2323.43
YSW-14 Maxi Kit	14 (each) 28 (kit)	2 x YSW-14TH wedge 1 x HPS-2/0.7A hand pump* 2 x HHC-30 hydraulic hose with couplers 1 x HPK-10 metal storage case 1 x MY-22 manifold with shut off valves 2 x CMY-1 male quick release couplings 2 x CFY-1 female quick release couplings 2 x CDF-9 rubber dust cover for coupling	6	6 - 86	N12701814	£4365.16
YSW-8TM	8	Mechanical lifting wedge c/w stepped blocks, safety block, and plastic storage case	6	6 - 86	192041539	£1139.88

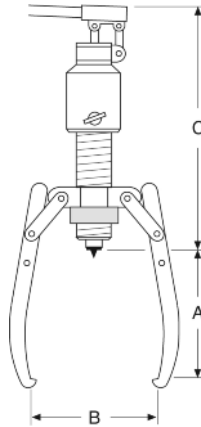
*Kits are supplied as standard with the HPS 2/0.7A. There is the option available to have the PYB-0.6 Cordless Pump (see page 59) instead, for an additional £1539.80 which includes battery and charger. Call the sales team to discuss.

BMZ 'INTEGRATED' HYDRAULIC PULLER KITS

Puller set with integrated hydraulic pump - 6, 8 and 11 tonne.

Hydraulic pullers are an invaluable tool for the maintenance engineer. The pullers provide time and cost savings, as they offer a high level of working safety and can be operated in all positions.

Hydraulic pullers are used in all kinds of industries, workshops and in many repair and assembly jobs to remove or install interference fit parts, such as: gears, couplings, bearings, wheels, pulleys, axles, shafts, brake drums, and many other press fit components.



Model	Pulling force tonne	Article number	Piston stroke mm	Maximum arm reach (a) mm	Maximum diameter (b) mm	Length (c) mm	Weight kg	Price £
BMZ - 6	6	N13500610	82	160	200	320	4.9	£390.88
BMZ - 8	8	N13500611	82	200	250	320	6.6	£434.55
BMZ - 11	11	N13500611	82	230	280	345	8.0	£537.18

BMZ 'MODULAR' HYDRAULIC PULLER KITS

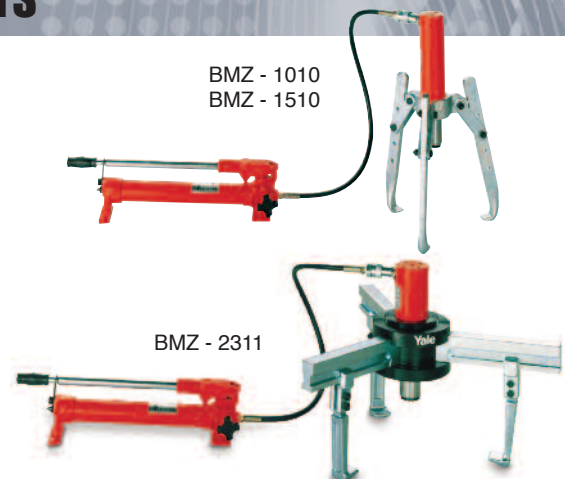
Puller sets with separate hydraulic components - 10, 15, and 23 tonne.

Pulling force Max. 10 - 23 t

Hydraulic pullers are an invaluable tool for the maintenance engineer. The pullers provide time and cost savings, as they offer a high level of working safety and can be operated in all positions.

The harder the pulling force, the tighter the grip on the jaws. Longer jaws up to 1000mm are available on request.

Hydraulic pullers are used in all kinds of industries, workshops, and in many repair and assembly jobs to remove or install interference fit parts, such as: gears, couplings, bearings, wheels, pulleys, axles, shafts, brake drums, and many other press fit components.



Model	Capacity tonne	Hydraulic cylinder model	Hand pump model	Hydraulic hose model	Stroke of cylinder mm	Maximum arm reach mm	Maximum diameter mm	Weight kg	Price £
BMZ - 1000	10	none	none	none	-	300	350	9.5	£210.73
BMZ - 1010	10	YS-10/150	HPS-2/0.7	HHC-20	150	300	350	21.5	£1115.86
BMZ - 1500	15	none	none	none	-	300	350	9.5	£219.46
BMZ - 1510	15	YS-15/150	HPS-2/0.7	HHC-20	150	300	350	23.5	£1183.55
BMZ - 2300	23	none	none	none	-	190	700	28.0	£442.20
BMZ - 2311	23	YS-23/160	HPS-2/0.7	HHC-20	160	190	700	45.0	£1606.09

* Other types and capacity pullers are also available upon request. Please contact our sales team for further details.

JH 'UNIVERSAL' BOTTLE JACKS

Lifting capacities 2 - 50 tonne

The JH bottle jack is ideal for general operations such as lifting, pushing, moving, and supporting all kinds of loads.

Model	Article no.	Capacity kg	Closed height mm	Stroke mm	Screw extension mm	Weight kg	Price £
JH-2B	N13300003	2000	181	115	50	2.7	£27.30
JH-4B	N13300004	4000	205	126	60	3.7	£38.21
JH-6B	N13300005	6000	219	130	75	4.7	£44.77
JH-8B	N13300006	8000	225	152	70	5.7	£58.96
JH-12B	N13300007	12000	240	153	80	8.0	£76.43
JH-20B	N13300008	20000	240	153	80	11.0	£107.00
JH-30	N13300408	30000	280	180	-	22.0	£216.18
JH-50/2	N13300893	50000	305	178	-	53.0	£968.46



• Replacement handles for 2-6t: N10300146, 8-20t: N10300147 and for JH30: N10300065

AJH/S ALUMINIUM JACKS

Lifting capacities 6.5 - 100 tonne

Aluminium jacks combine lightweight with high lifting capacity. The use of high tensile aluminium alloy allows lifting capacities of up to 100 tonne resulting in a very favourable 1.8 tonne lifting capacity per 1kg weight ratio.

Operation of Yale hydraulic jacks is very simple. Jacks are supplied ready for use including hydraulic oil, operating lever, and where applicable carrying handle and lifting claw.

- Features:**
- Extremely low weight.
 - Strokes from 75 to 305mm.
 - All jacks provided with an overload protection valve.
 - Hardened alloy steel saddle and sensitive lowering valve which is activated by the operating lever.



Model	Capacity tonne	Max. capacity of lifting claw tonne	Stroke mm	Closed height mm	Base plate dimensions mm	Min. height of lifting claw mm	Weight kg	Price £
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Jacks with plain piston (standard type)

AJS - 65	6.5	-	75	131	159 x 76	-	3.6	£605.97
AJS - 104	10	-	115	182	171 x 76	-	6.3	£933.52
AJH - 620	20	-	152	265	180 x 120	-	10.9	£1096.20
AJH - 1220	20	-	305	440	250 x 120	-	16.7	£1463.06
AJH - 630	30	-	152	265	200 x 140	-	15.4	£1240.32
AJH - 1230	30	-	305	452	275 x 140	-	23.4	£1898.70
AJH - 660	60	-	152	293	250 x 190	-	27.4	£1954.39
AJH - 1260	60	-	305	500	340 x 190	-	43.7	£2326.70
AJH - 6100	100	-	152	315	305 x 250	-	49.0	£3265.68

Jacks with lifting claw

AJH - 620C	20	8	152	280	250 x 120	67	14.5	£1375.71
AJH - 1220C	20	8	305	452	250 x 120	67	22.2	£1677.06
AJH - 630C	30	12	152	284	275 x 140	72	20.3	£1630.11
AJH - 1230C	30	12	305	472	275 x 140	72	31.0	£2280.84
AJH - 660C	60	24	152	327	340 x 190	72	43.1	£2292.86
AJH - 1260C	60	24	305	533	340 x 190	72	64.9	£2741.60

• Aluminium jacks with safety lock nuts (screwed rams) are also available. Please contact our sales team for further details.

BVA (formerly HTJ) HYDRAULIC TOE JACKS

HIGHER CAPACITIES

Our range of hydraulic toe jacks, formally known as HTJ, are ideal when working in very confined spaces. Typical uses include lifting and positioning of heavy machinery, fabricated steel structures, and general engineering applications.

Features include:

- Lifting capacity of 3, 6, 10 and 15t, on the head and toe.
- Extremely low entry height of the toe.
- Operating lever rotates through 220°.
- Carry handle for ease of handling.
- Chrome plated plunger improves seal life and optimum performance.
- Heat treated and chrome plated medium -carbon steel cylinder.
- U.S. Patented by-pass device protects hydraulic system from over travel damage.
- Hydraulic system is protected from internal damage by a patented by-pass mechanism (U.S. Patent No. 5946912).

*** Ideal for use with a set of Steerman Load Moving Skates!**



Model	Article number	Claw capacity kg	Head capacity kg	Stroke mm	Closed claw height mm	Closed head height mm	Base size L x W mm	Weight kg	Price £
BVA-3	192086545	3000	3000	130	16	230	215 x 190	17.8	£430.18
BVA-6	192086546	6000	6000	130	22	267	280 x 190	27.2	£514.25
BVA-10	192086547	10000	10000	130	28	280	295 x 234	39.5	£690.04
BVA-15	192086548	15000	15000	130	28	332	316 x 272	54.3	£1186.33

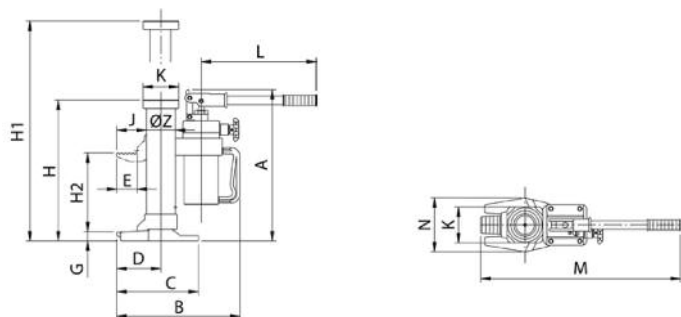
*** These are the same as the old HTJ model. Only the colour and the model name has changed.**

MHS MACHINE LIFTING JACKS

Lifting capacities 5000 - 25000kg

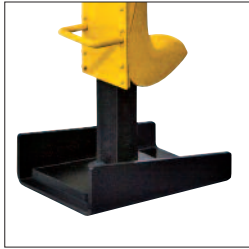
Multi-functional lifting jacks ideal for low-height lifting or working in confined spaces. These jacks can be used vertically or horizontally and the 25000kg model has transport wheels for easy movement & handling.

The 5000 and 10000kg models have a 360° rotatable claw making light work of loads. Pump levers can be removed for even better mobility.



Model	Article number	Capacity tonnes	A mm	B mm	C mm	D mm	E mm	G mm	H mm	H1 mm	H2 mm	J mm	K mm	L mm	M mm	N mm	Z dia. mm	Weight kgs	Price £
MHS 50	40014771	5	393	320	213	115	53	25	368	573	205	77	93	520	740	140	76	25	£316.63
MHS 100	40014772	10	449	325	205	120	55	30	420	650	230	74.5	108	520	745	170	91	35	£396.34
MHS 250	40014773	25	-	459	420	220	90	58	505	720	215	143	175	920	1305	210	155	109	£1227.23

SJ 'SILVERLINE' STEEL JACKS (FIXED CLAW)



Rail Jack, model RSJ

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



Steel jacks

Capacities: 1500 - 10000kg

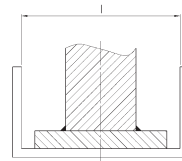
Steel jacks are used primarily for assembly applications, to brace or support loads. Mechanical steel jacks can basically be used to lift almost all kinds of loads in maintenance and repair, ship building, construction, as well as agriculture. The integrated carrying handle makes it a portable and versatile tool.

The load can be positioned either on the head or on the claw and by turning the operating lever the jack shaft moves smoothly and conveniently up and down along the rack.

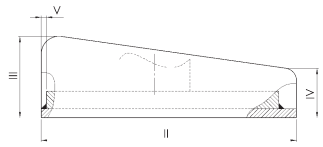
The robust steel housing ensures a long service life, even in continuous use.

Features and benefits include:

- The precisely machined gear box with optimal gear ratio ensures a minimum of effort and smooth operation.
- The load can be positioned either on the head or the claw.
- By turning the operating lever the jack moves smoothly and conveniently up and down along the rack.
- The self-locking, anti-kickback operating lever reduces the risk of injuries. The handle can be tilted for use in confined spaces.
- The load is held securely in any position. Inside the load brake the axial brake pressure is generated by the load itself, thus, it is proportional to the size of the load.



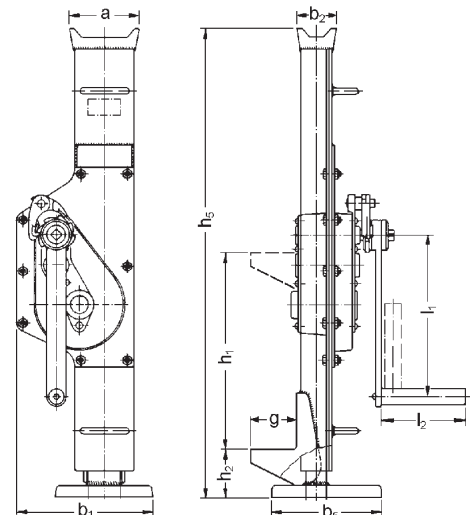
Model RSJ, floor plate.



Model	Article number	Capacity on head kg	Capacity on toe kg	Minimum claw height mm	Minimum head height mm	Maximum stroke mm	Handle length mm	Weight kg	Price £
SJ-15	N01900005	1500	1050	70	725	360	225	13.0	£157.23
SJ-30	N01900002	3000	2100	70	735	360	249	20.0	£177.97
SJ-50	N01900003	5000	3500	80	730	350	249	27.0	£207.45
SJ-100	N01900006	10000	7000	85	800	410	300	43.0	£319.91
RSJ-50	N01900008	5000	3500	80	740	360	275	29.0	£235.84

DIMENSIONS

Model	SJ15	SJ30	SJ50	SJ100	RSJ50
a, mm	76	83	108	124	108
b1, mm	164	200	190	252	190
b2, mm	38	38	52	65	52
b5, mm	140	140	170	170	170
g, mm	60	65	71	86	71
h1, mm	360	360	350	410	350
h2, mm	70	70	80	85	80
h5, mm	725	735	730	800	740
l1, mm	225	249	275	300	275
l2, mm	113	128	128	250	128
I, mm	-	-	-	-	180
II, mm	-	-	-	-	250
III, mm	-	-	-	-	70
IV, mm	-	-	-	-	45
V, mm	-	-	-	-	10



SX/S 'HEAVY DUTY' NYLON WHEELED SKATES

**MARKET
LEADER**

Moving loads the professional way!

Steerman is a worldwide supplier of load moving equipment with outlets throughout Europe, Africa, Asia and North America.

Designed for the professional load mover, these systems have been developed over a number of years to ensure total ease of operation and maximum safety.

Steerman load moving skates comprise of a steerable front section and a pair of adjustable rear trolleys. These innovative systems are available in capacities ranging from 10 to 60 tonnes and can be stripped down to component parts for easy transportation.



ATEX

Protection classification
Available up on request.



Steerman skates in use

Features & Benefits



** Steerman Skates are an absolute must for all Hire Companies!*

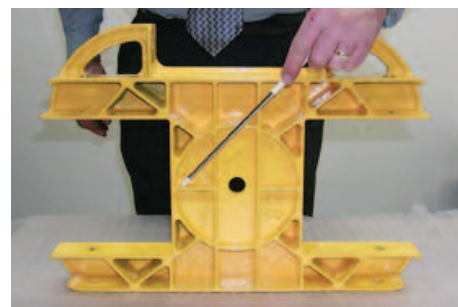
1. Special Composite Wheel Equipment.

This unique material is machined from solid to produce the ideal wheel for use on modern industrial flooring. Hard enough to give incredibly low rolling resistance yet designed to protect expensive coated surfaces, unlike conventional metal wheeled skates.



2. Made from S.G. Iron rather than of Welded Construction.

This malleable material is immensely strong, is reproduced with total accuracy and is powder coated prior to assembly. Conventional steel fabricated units have to be much larger to achieve the same capacities and are therefore more cumbersome to use and transport.



3. Steerman's Three Point Loading System.

This ensures a safe and stable configuration which eliminates the risk of one skate rolling out from below the load. This design also ensures that loads are not carried on a reduced number of wheels when travelling.

4. Unique Turntable Design.

A special cast nylon material has been developed for strength and light-weight. Large diameter thrust bearings allow these turntables to swivel effortlessly while the special composite material ensures both anti-slip properties and greater impact resistance.



** NB: Start up effort required = 1.5 to 2% of the applied load (subject to gradients, wheel and floor conditions).*

SX/S 'HEAVY DUTY' NYLON WHEELED SKATES

HEAVY DUTY

SX10

* This is what a complete system comprises of

SX20

*

This is what a Front System comprises of

SX30

* This is what a Rear System comprises of



ATEX

Protection classification
Available up on request.



S60

Model	Capacity of COMPLETE SYSTEM tonne	Quantity of wheels per unit	Size of wheels mm	Turntable diameter mm	Overall height mm	Rear width adjustment mm	Weight of COMPLETE SYSTEM kg	Price for COMPLETE SYSTEM £	Price for REARS ONLY £	Price for FRONT ONLY £
Standard powder coated units										
SX10	10	16	82 x 48	180	102	252 to 1200	54	£1452.14	£580.86	£1008.86
SX20	20	32	82 x 48	180	102	480 to 1500	76	£1909.62	£696.59	£1264.34
SX30	30	48	82 x 48	180	110	720 to 1500	136	£2578.91	£995.75	£1637.75
S60	60	48	115 x 54	350	170	800 to 2000	302	£6401.44	£2560.36	£4480.90

• Full technical data sheets for each unit are available on request. Please contact the Steerman sales team for further information or visit our web site: www.steerman.co.uk

* Steerman genuine spare parts are shown on pages 189-192

LX 'BUDGET' NYLON WHEELED SKATES

Load moving skates - 'low cost' option

Capacities: 6000 and 12000kg

This LX range of load moving systems are now available as a 'low cost' alternative to our premium Steerman range of skates.

These three point loading systems comprise of a steerable front and a pair of adjustable rear skates that are supplied complete and ready to use.

The steerable front skates (LX-6F and LX-12F) are supplied complete with steering handle/towing bar and the rear skates (LX-6/12R) are supplied complete with two adjustable alignment bars.



Model	Article number	Capacity tonne	Number of wheels	Wheel diameter mm	Load area front skate mm	Load area rear skate x width mm	Height mm	Weight kg	Price £
LX-6	N13600004	6	12	85 x 90	185 x 150	300 x 250	115	45.0	£365.77
LX-12	N13600005	12	16	85 x 90	400 x 220	300 x 250	115	96.0	£585.23
LX-6F	N13600001	3	4	85 x 90	185 x 150	-	115	15.0	£132.11
LX-12F	N13600002	6	8	85 x 90	400 x 220	-	115	66.0	£351.57
LX-6/12R	N13600003	6	8	85 x 90	-	300 x 250	115	30.0	£233.66

- Full technical data sheets for each unit are available on request. Please contact our sales team for further information.
- Replacement handles are available: LX6 = Article: 192045728 and LX12 = Article: 192045732. POA.



SCS CATERPILLAR SKATES

Steerman Caterpillar Skates provide an economic and robust solution to many load moving and placement problems.

- Features include:**
- Carrying capacity of 20, 30 or 60 tonne.
 - Modular concept allows linking of units.
 - Robust lockable steel container with nylon castors.
 - Low cost alternative for occasional use.

Model	Article number	Capacity tonne	Weight kg	Price £
SCS-20	N4300006210	20	50.0	£441.10
SCS-30	N4300006211	30	58.0	£496.79
SCS-60	N4300006212	60	92.0	£678.03



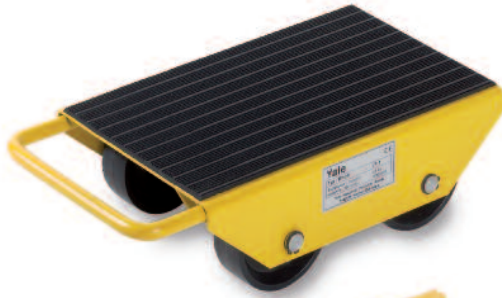
RPB ROLLER PINCH BARS

Roller pinch bars are an ideal companion for the professional load mover.

They are extremely simple to use and easy to transport. With their low toe plate height, they are able to get into the tightest gaps.

Model	Capacity kg	Article number	Lift height mm	L x W mm	Roller mm	Weight kg	Price £
RPB15	1500	N4300006208	145	2150 x 400	70 x 53	17	£115.41
RPB50	5000	N4300006209	145	2150 x 400	70 x 53	21	£209.30

LF 'FIXED WHEELED' MOVING SKATES



LF-1

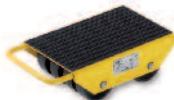


Load moving skates and systems with fixed wheels Capacities: 1000 - 6000kg

The components of the load moving skates can be universally combined and are ideal for transport of medium, heavy loads of all kinds. The components can be used individually or adapted into a load moving system.

Features and benefits include:

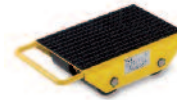
- Units are maintenance-free.
- Solid forged steel construction.
- Anti-slip rubber lining.
- Abrasion-resistant nylon wheels.
- Models LF-2.5 and above are provided with two enclosed ball bearings per wheel.



LF-2



LF-2.5



LF-3



LF-6

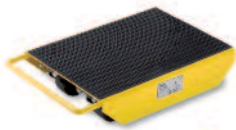
Model	Article number	Capacity kg	Wheels	Number of wheels	Wheel dia. x width mm	Dimension L x W x H mm	Weight kg	*Price £
LF-1	N13600006	1000	fixed	4	100 x 35	400 x 228 x 120	7.0	£69.88
LF-2	N13600007	2000	fixed	8	100 x 35	400 x 228 x 120	8.0	£102.63
LF-2.5	N13600008	2500	fixed	2	85 x 90	275 x 120 x 100	5.0	£69.88
LF-3	N13600009	3000	fixed	4	85 x 85	400 x 228 x 100	9.5	£97.18
LF-6	N13600010	6000	fixed	6	85 x 85	415 x 210 x 100	12.0	£137.57

* Price shown is for one skate.

LFL 'STEERABLE' MOVING SKATES



LFL-1-2



LFL-2-4

Load moving skates and systems with steerable wheels Capacity: 1000kg

The components of the load moving skates can be universally combined and are ideal for transport of medium, heavy loads of all kinds. The components can be used individually or adapted into a load moving system.

Features and benefits include:

- Units are maintenance-free.
- Solid forged steel construction.
- Anti-slip rubber lining.
- Abrasion-resistant nylon wheels.
- Models LFL-1-2 uses two steerable and two fixed wheels.
- Model LFL-2-4 uses four steerable wheels.

Model	Article number	Capacity kg	Wheels	Number of wheels	Swivel wheel dia. x width mm	Fixed wheel dia. x width mm	Dimensions L x W x H mm	Weight kg	*Price £
LFL-1-2	N13600011	1000	2 x fixed, 2 x steerable	4	75 x 46	100 x 35	430 x 340 x 120	7.0	£161.59
LFL-2-4	N13600012	1000	4 x steerable	4	75 x 46	100 x 35	430 x 340 x 120	15.5	£221.64

* Price shown is for one skate.

92 SERIES VERTICAL PLATE CLAMPS

**BEST
SELLER**

Standard plate clamps with safety lock

Working load limit (WLL) 50 - 3000kg

These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°.

They can also be used for transporting steel constructions and profiles. It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long plate.

Function

The jaw is opened and closed with the locking lever, except for the 92-500 which uses a positive spring-loaded cam.

The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load on the jaw.

Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.

NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.



* Spare parts for the 92 Series plate clamps are shown on page 193



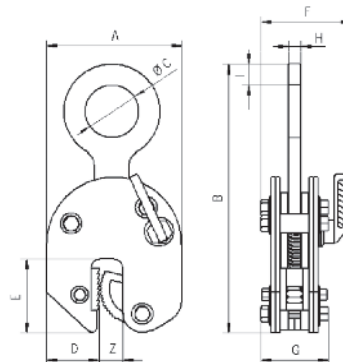
Model	WLL kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight kg**	Price with hook ring £*	Price with link £*	Price*** link & chain £*
92-500	50 - 500	0 - 16	99	195	29	33	47	50	48	11	15	1.5	£162.68	N/A	N/A
92-1500	100 - 1500	0 - 20	126	225	50	49	70	82	55	13	20	3.0	£191.07	£191.07	£284.97
92-2000	200 - 2000	0 - 32	192	312	80	75	96	100	81	20	24	8.0	£242.39	£242.39	£417.09
92-3000	300 - 3000	0 - 32	192	320	80	75	96	100	81	30	30	12.0	£357.03	£357.03	£482.59

PLEASE NOTE: Units are supplied as standard with a hook ring. Link fitting and chain are available on request as a special order.

*Per clamp.

**Weight per clamp with hook ring.

***Standard length of chain = 4-6 links.



92 Series plate clamps.

Working load limit 500 - 3000kg

CZ 'HEAVY DUTY' VERTICAL PLATE CLAMPS



NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.

Heavy duty plate clamps with safety lock

Working load limit (WLL) 100 - 30000kg

These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°.

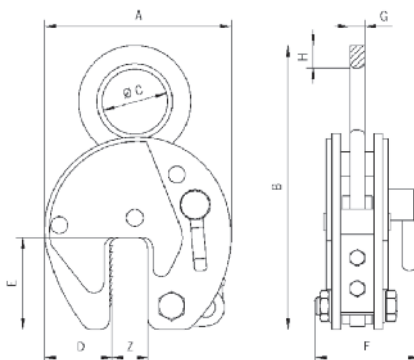
They can also be used for transporting steel constructions and profiles. It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long plate.

Function

The jaw is opened and closed with the locking lever. The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load on the jaw.

Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.



Model	WLL kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg**	Price with hook ring £*	Price with link & chain £*
CZ 1	100 - 1000	0 - 20	140	254	51	48	70	83	13	19	4	£199.80	£221.64
CZ 2	200 - 2000	0 - 32	197	323	67	68	93	110	20	20	9	£295.89	£328.64
CZ 3	300 - 3000	0 - 32	197	371	80	68	93	110	20	30	10	£371.23	£411.62
CZ 3L	300 - 3000	30 - 60	228	390	80	68	93	110	20	30	12	£405.07	£449.84
CZ4	400 - 4000	0 - 32	197	371	80	68	93	129	20	30	10	£388.70	£431.27
CZ 4L	400 - 4000	30 - 60	228	390	80	68	93	129	20	30	12	£446.56	£495.70
CZ 6	600 - 6000	0 - 50	293	484	89	95	143	129	25	35	21	£468.40	£519.71
CZ 6L	600 - 6000	50 - 100	362	524	89	95	143	129	25	35	28	£543.73	£603.79
CZ 8	800 - 8000	0 - 50	293	492	89	95	143	129	25	42	26	£513.16	£569.94
CZ 8L	800 - 8000	50 - 100	362	524	89	114	143	129	25	42	32	£674.75	£639.82
CZ 10	1000 - 10000	0 - 50	293	545	110	95	143	139	25	45	30	£705.32	£782.84
CZ 10L	1000 - 10000	50 - 100	362	545	110	114	143	139	25	45	37	£929.16	£1032.88
CZ 15	1500 - 15000	0 - 50	360	613	130	125	162	204	45	55	75	£1903.07	£2113.80
CZ 15L	1500 - 15000	50 - 100	460	678	130	175	162	204	45	55	88	£2188.04	£2430.43
CZ 20	2000 - 20000	0 - 65	462	755	130	165	210	235	45	65	123	£2505.77	£2762.34
CZ 20L	2000 - 20000	65 - 130	560	805	130	195	210	235	45	65	136	£2862.80	£3180.52
CZ 30	3000 - 30000	0 - 65	462	732	60	165	210	295	65	-	195	N/A	£3516.80
CZ 30L	3000 - 30000	65 - 130	560	797	60	195	210	295	65	-	295	N/A	£4282.18

PLEASE NOTE: Units are supplied as standard with a hook ring. *Per clamp. **Weight per clamp with hook ring.

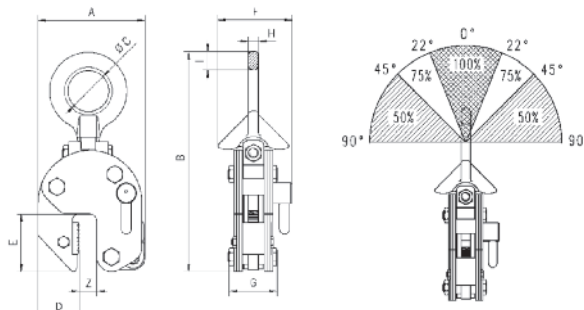
*** Spare parts for the CZ plate clamps are shown on page 194**

CY 'HINGED' VERTICAL PLATE CLAMPS



The CY plate clamps with hinged hook rings can be used for the safe handling of plate at various angles. It can lift plate from the horizontal and put it down in the vertical. The hinged hook ring ensures adequate gripping pressure in every position, but the load capacity reduces. See the diagram below showing the load / force capacities.

The main benefit of the CY hinged plate clamps is that longer plates can be lifted or handled, using two clamps on a two legged chain sling (as shown in illustration), thus eliminating the need for a spreader beam.



NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.

Model	WLL kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight kg*	Price £*
CY1	100 - 1000	0 - 20	126	270	50	49	70	95	63	12	23	4.6	£280.60
CY3	300 - 3000	0 - 32	192	382	80	75	96	132	92	20	30	14	£393.06

*Per clamp.

* Spare parts for the CY plate clamps are shown on page 195

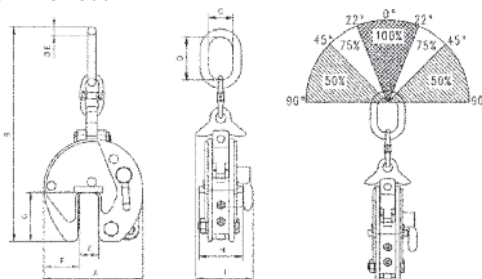
CX 'HINGED' VERTICAL PLATE CLAMPS (HEAVY DUTY - SIDE LOADING)



The CX plate clamps shares all the benefits of the CY clamps, but are specifically designed for more heavy duty applications.

The other benefit that the CX clamps offers over the CY clamps is that vertically racked plates can be turned through 90° (as shown in illustration).

NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.



Model	WLL kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight kg*	Price £*
CX1500	150 - 1500	0 - 20	140	399	63	125	12.5	48	70	57	83	7	£355.94
CX3000	300 - 3000	0 - 32	197	515	67	138	19	68	93	81	110	12	£507.70
CX3000L	300 - 3000	30 - 60	227	515	67	138	19	68	93	81	110	15	£583.04
CX6000	600 - 6000	0 - 50	292	737	95	176	28	95	143	137	188	38	£743.54
CX6000L	600 - 6000	50 - 100	367	785	98	180	28	115	143	135	188	48	£981.56
CX8000	800 - 8000	0 - 50	292	737	98	176	28	95	143	136	210	39	£985.93
CX8000L	800 - 8000	50 - 100	367	785	98	180	28	115	143	136	210	51	£1097.30
CX10000	1000 - 10000	0 - 50	360	903	110	195	33	125	162	170	223	61	£1403.01
CX10000L	1000 - 10000	50 - 100	446	921	112	195	33	168	162	170	223	76	£1835.38

*Per clamp.

* Spare parts for the CX plate clamps are shown on page 196

HG 'HIGH GRIP' VERTICAL PLATE CLAMP



Vertical 'high grip' plate clamp for hardened material

Working load limit (WLL) 25 - 500kg

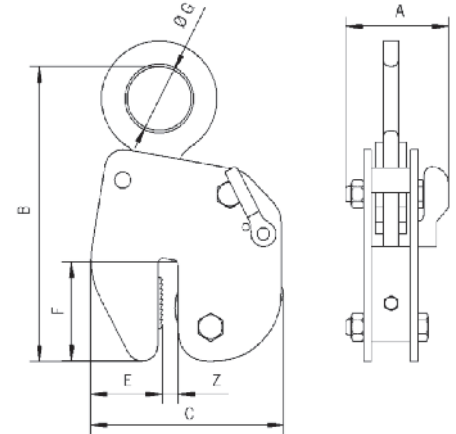
The HG plate clamp has an extremely high clamping force which makes the clamp particularly suited to the transport of plate with a surface hardness up to HRC 40/Brinell 375.

Function

This clamp is opened and closed with a locking lever. The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load on the jaw.

Workmanship and parts

This plate clamp is service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.



Model	WLL kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight kg*	Price £*
HG500	25 - 500	0 - 10	42	230	148	10	55	79	50	5	£419.27

*Per clamp.

TJC 'TWIN JAW' VERTICAL PLATE CLAMPS



The TJC twin jaw vertical plate clamps have been specifically designed for lifting materials with low minimum weight, but large thickness. The main difference between the TJC and the CZ (which is our standard vertical plate clamp) is that the TJC has a unique twin moving jaw arrangement.

NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.

Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
TJC300	10 - 300	0 - 30	3	£375.59
TJC300L	10 - 300	30 - 60	3	£429.09
TJC300XL	10 - 300	60 - 90	4	£496.79
TJC300XXL	10 - 300	80 - 110	5	£564.48

Please contact our sales team for full technical drawings if required.

*Per clamp.

TAG/TWG 'WIDE JAW' VERTICAL CLAMPS



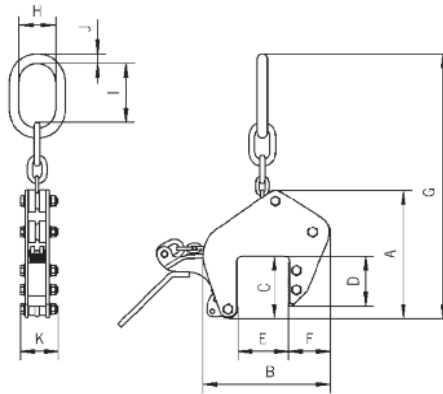
TAG 750/100

The TAG vertical clamps are extremely versatile. They have a large jaw capacity that enables them to be used on a multitude of applications such as loading machine tools, steel constructions, welding and numerous assembly functions. The design means that they do not require additional chain slings and are very easy and simple to use.

The automatic gripping force is retained by a positive tension jaw spring, even if there is slack in the chain. The clamps are also fitted with a 'Quick-Open' lever for ease of loading and unloading.

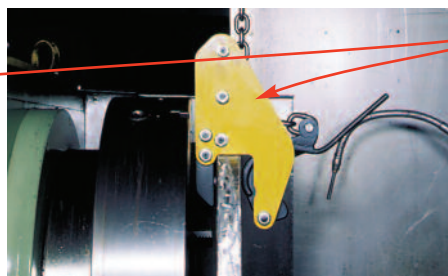
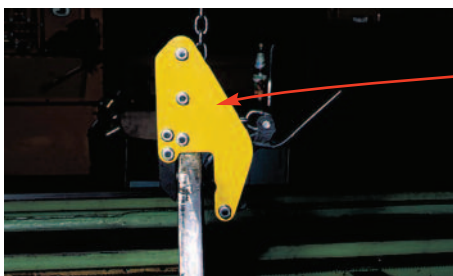
These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.

Protective lined jaws, for non-marking, can be fitted up to 1250kg WLL.



Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	Weight kg*	Price £*
TAG 750/100	75 - 750	0 - 100	264	259	128	100	100	85	550	75	121	20	83	9	£527.36
TAG 750/200	75 - 750	90 - 200	382	434	195	156	200	120	760	75	121	20	90	15	£635.45
TAG 1250/100	125 - 1250	0 - 100	320	289	128	100	100	85	570	75	121	20	83	15	£527.36
TAG 1250/200	125 - 1250	90 - 200	382	434	195	156	200	120	760	75	121	20	90	26	£698.77
TAG 2000/100	200 - 2000	0 - 100	328	415	135	115	100	105	571	75	121	20	105	22	£658.38
TAG 2000/200	200 - 2000	90 - 200	375	515	195	165	200	160	750	75	121	20	105	30	£788.30
TAG 3000/90	300 - 3000	5 - 90	297	290	136	106	90	91	570	82	111	32	137	25.5	£757.73
TAG 5000/90	500 - 5000	5 - 90	297	290	136	106	90	91	570	82	111	32	147	30	£941.16
TWG 750/100	75 - 750	30 - 100	264	209	128	100	100	35	550	75	121	20	83	11	£584.13
TWG 750/200	75 - 750	100 - 200	382	354	195	156	200	40	760	75	121	20	90	16	£674.75
TWG 1250/100	125 - 1250	30 - 100	320	255	128	100	100	51	570	75	121	20	83	16	£599.41
TWG 1250/200	125 - 1250	100 - 200	382	374	195	156	200	60	760	75	121	20	90	23	£695.50
TWG 2000/100	200 - 2000	30 - 100	328	383	135	115	100	73	571	75	121	20	105	23	£715.16
TWG 2000/200	200 - 2000	100 - 200	375	435	195	165	200	80	750	75	121	20	105	31	£830.89

*Per clamp.



* Model: TWG

TWG vertical grab is a variation of the TAG. It is specially designed with a small outside measurement for use on hard to reach places such as loading billets on to a lathe etc.

LJ 'NON-MARKING' PLATE CLAMPS

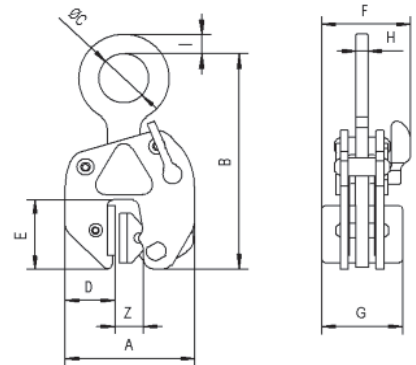


The LJ non-marking plate clamps are designed for lifting, turning and transporting of structural steel plates, stainless steel, iron, timber and aluminium without marking, damaging or leaving indentations on the surface. It can also be used for steel plates with extremely hard surfaces.

These clamps are available with two different types of pads, rubber or leather. The type to be used is dependant on the surface of the material being gripped. If you have any concerns regarding the best option for your application please contact our sales team for advice.

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.

NB: The surface of the material being gripped must be free of oil, grease to ensure safe transport.



Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight kg*	LJR (Rubber) Price £*	LJL (Leather) Price £*
LJ 500	25 - 500	0 - 10	127	200	50	52	69	86.5	76	13	20	3.5	£386.51	£397.43
LJ 1500	150 - 1500	0 - 20	215	345	85	75	135	131	118	20	24	12	£632.18	£650.73

*Per clamp.

 Spare parts for the LJ plate clamps are shown on page 197

TSB NON-MARKING 'FRICTION' PLATE CLAMPS



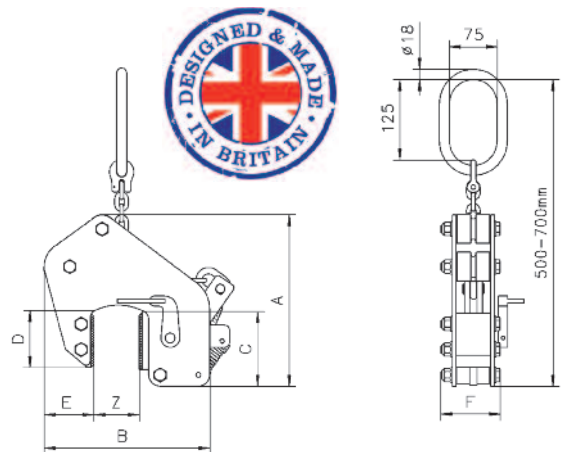
The TSB non-marking plate clamps with chain are designed for vertical lifting and transporting of plate material. This particular range of clamps has a large jaw capacity that enables it to be used on a multitude of applications.

The main feature of the TSB plate clamps is the fact that it is non-marking. It works through the process of 'friction'. This is achieved by a special material on the jaw and pad which is similar to brake linings.

Another benefit of the TSB, is that one grab can be used for lifting different materials such as concrete, wood, stone, and hardened steel.

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.

NB: The surface of the material being gripped must be free of oil, grease or any other liquid to ensure safe transport.



Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg*	Price £*
TSB 750/65	40 - 750	0 - 65	270	260	128	100	65	78	9	£819.97
TSB 1250/65	125 - 1250	0 - 65	270	260	128	100	65	78	12	£980.47

*Per clamp.

CH HORIZONTAL PLATE CLAMPS

**SOLD
IN
PAIRS**

Industry standard horizontal plate clamps

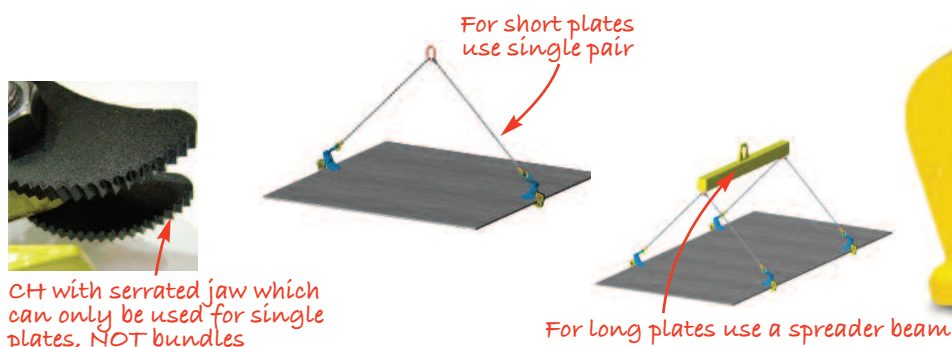
Working load limit (WLL) 1000 - 10000kg

The CH horizontal plate clamps have been specifically designed to be used in pairs for the transportation of plate bundles as well as single plates with a minimum thickness of 5mm.

A pair of clamps used with a two legged chain sling are suitable for small plates. It is recommended to use two pairs in conjunction with a spreader beam for handling of larger plates. These units are supplied as standard with a smooth jaw. There is also the option of hardened steel teeth jaws for special applications. Please contact our technical department for further details.

Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs can be done by a competent person.



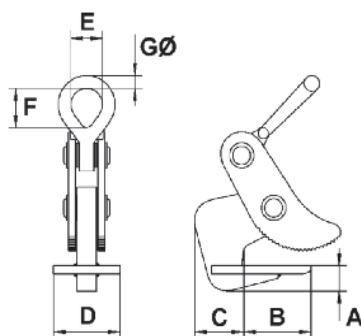
Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight kg*	Price 'smooth' jaw (std) £*	Price 'serrated' jaw £*
CH1**	1000	5 - 32	30	82	60	100	32	44	13	8	£221.64	£263.13
CH2	2000	5 - 32	30	82	60	100	50	73	18	11	£270.77	£319.91
CH2L	2000	20 - 50	30	82	60	100	50	73	18	12	£288.25	£357.03
CH4	4000	5 - 50	40	112	80	100	64	92	25	17	£351.57	£419.27
CH4L	4000	50 - 100	40	112	80	100	64	92	25	23	£376.68	£468.40
CH6	6000	5 - 75	55	172	100	130	90	130	35	46	£486.96	£553.56
CH6L	6000	50 - 125	55	172	100	130	90	130	35	56	£550.29	£576.49
CH8	8000	5 - 75	55	172	105	130	90	130	35	53	£565.57	£664.93
CH8L	8000	50 - 125	55	172	105	130	90	130	35	60	£600.51	£745.73
CH10	10000	5 - 100	65	215	120	150	114	114	37 x 50	95	£777.41	£882.20
CH10L	10000	50 - 150	65	215	120	150	114	114	37 x 50	108	£859.27	£1111.49
CH15	15000	5 - 100	71	230	120	150	114	114	37 x 50	110	£1107.12	£1345.14
CH15L	15000	50 - 150	71	230	120	150	114	114	37 x 50	123	£1144.25	£1467.43
CH20	20000	5 - 100	70	220	118	220	80	120	38 x 60	165	£1837.56	£2249.18
CH20L	20000	50 - 150	70	220	118	220	80	120	38 x 60	172	£1934.73	£2485.02

*Per pair.

**NB. CH1 is fitted with a single jaw.



*Chain slings NOT included



NB: The angle between the chain legs must not exceed 45° from the vertical

NB: These units must NOT be used with endless chain slings.



SCAN ME

RH HORIZONTAL PLATE CLAMPS

SOLD IN PAIRS

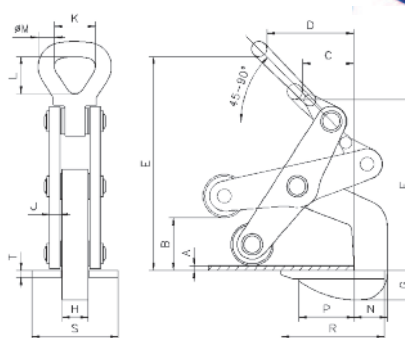


Horizontal plate clamps

Working load limit (WLL) 1500 - 5000kg

This range of horizontal plate clamps have been designed to be used in pairs, for the horizontal transportation of individual, and bundled plate. The clamp is fitted with a steel roller to reduce any potential marking of the plate.

These clamps are sold, and must be used in pairs. They should always be used with a two-legged chain sling (not supplied).



Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	L mm	M mm	N mm	P mm	R mm	S mm	T mm	Weight kg*	Price £*
RH1500	1500	5 - 60	5	60	60	105	250	200	22	30	12	50	73	18	36	65	120	100	10	12	£280.60
RH2500	2500	10 - 70	10	70	75	130	135	275	38	30	12	64	92	25	58	77	150	100	10	21	£357.03
RH3500	3500	10 - 80	10	80	90	162	345	292	48	30	15	64	92	25	65	105	185	100	10	28	£437.82
RH5000	5000	10 - 102	10	102	110	170	425	345	45	45	20	89	130	35	80	120	210	120	12	72	£646.32

**Per pair.*

ACH 'ADJUSTABLE' HORIZONTAL PLATE CLAMPS



**Chain slings and shackle NOT included*

The ACH horizontal plate clamps offer superb flexibility because of the large adjustable jaw opening. The jaw is adjusted using a simple ratchet mechanism.

These clamps are to be used in pairs and are especially suited to the transportation of large plate bundles.



**Use spreader beams for larger plates*

Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
ACH 1.3	1300	0 - 150	14	£795.95
ACH 1.3L	1300	0 - 250	17	£833.07
ACH 3.3	3300	0 - 150	25	£1018.69
ACH 3.3L	3300	0 - 250	28	£1045.98
ACH 6.6	6650	0 - 150	60	£1376.80
ACH 6.6L	6650	0 - 250	64	£1405.20
ACH 10.0	10000	50 - 300	90	£2887.93

**Per pair.*

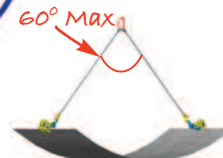
THK 'THIN SHEET' HORIZONTAL PLATE CLAMPS



**Shackle NOT included*

The THK horizontal plate clamps share the same basic design features as the CH range of clamps but have a reversed tooth jaw design. This safety feature is designed for use with thin sheets which may have a tendency to deflect or sag or flex.

Suited to thin plate with a surface hardness less than 300 Brinell/32 Rockwell C.



**Ideal for thin sheet*

Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
THK 750	40 - 750	0 - 25	3	£266.41
THK 1500	75 - 1500	0 - 35	6	£299.16
THK 3000	150 - 3000	0 - 35	11	£375.59
THK 4500	250 - 4500	0 - 45	16	£420.36
THK 6000	300 - 6000	0 - 60	23	£450.93
THK 9000	450 - 9000	0 - 60	35	£571.03

**Per pair.*

CG 'STANDARD' GIRDER TURNING CLAMPS



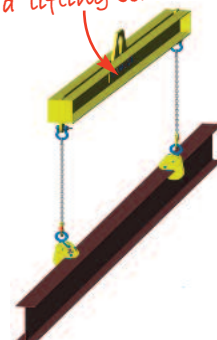
For longer girders use two clamps and a lifting beam



The main purpose of the **CG girder turning clamp** is for the transportation and turning of steel girders (RSJ) through 90° degrees.

It can be used individually, or for longer beams used in pairs in conjunction with a spreader beam as shown in diagram.

The clamp is attached to the horizontal flange of the girder and locked in place by the jaw locking lever. Once lifted the girder will turn through 90° degrees.



Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
CG 2	200 - 2000	0 - 32	14	£389.79

*Per clamp. • Please contact our sales team for full technical drawings.

TTR 'VERTICAL FLANGE' GIRDER STACKING CLAMPS



Fixed hook ring

* Spare parts for the TTR plate clamps are shown on page 199

The main selling point of the **TTR girder stacking clamps** is the fact that it enables girders to be transported and stacked horizontally. These are ideal for use by steel stockholders and steel fabricators. Once offered up to the **vertical** flange of the girder, they are locked in place by the jaw locking lever.

The design allows the Clamp to be used individually, however for longer girders they should be used in pairs in conjunction with a spreader beam.



Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
TTR 750	50 - 750	5 - 16	3.5	£376.68
TTR 1500	150 - 1500	5 - 25	10	£399.61
TTR 3000	300 - 3000	5 - 28	12	£654.01

*Per clamp. • Please contact our sales team for full technical drawings.

TTG 'HORIZONTAL FLANGE' GIRDER STACKING CLAMPS



The **TTG girder clamps** are designed for transporting girders in the 'I' configuration / position (see photograph on the right).

These are ideal for use by steel stockholders and steel fabricators. Once offered up to the **horizontal** flange of the girder they are locked in place by the jaw locking lever.

The design allows the clamp to be used individually, however for longer girders they should be used in pairs in conjunction with a spreader beam.



Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
TTG 500	25 - 500	0 - 20	3	£302.42
TTG 1500	75 - 1500	0 - 30	5.5	£413.80
TTG 3000	150 - 3000	0 - 35	11	£536.09
TTG 4500	450 - 4500	0 - 40	14.5	£870.20
TTG 7500	750 - 7500	0 - 45	28	£1155.16

*Per clamp. • Please contact our sales team for full technical drawings.

TTT HORIZONTAL GIRDER CLAMPS (SPLIT TOE PLATE)



The **TTT horizontal girder clamps** have been designed to be used in pairs and can be used on girders up to a surface hardness of HRC 30/Brinell 300.

The unique design of the split toe allows long sections of girders to be lifted without the use of a spreader beam. This is achieved by using a pair of clamps with a 2-legged chain sling.

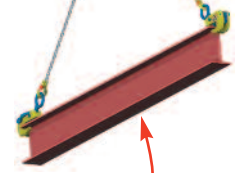
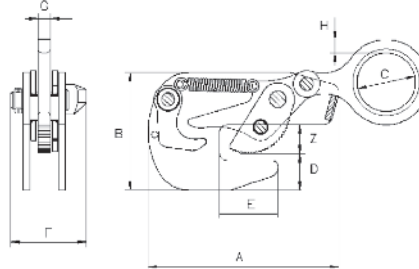


Illustration of use with two clamps and a 2-legged chain sling

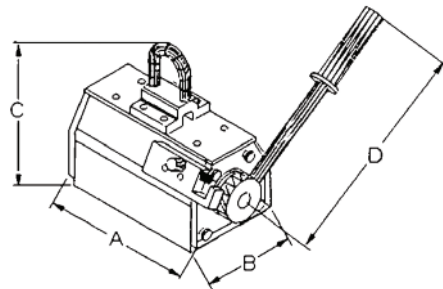
Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg*	Price £*
TTT 0.75	750	0 - 20	225	142	70	45	70	106	16	16	3	£340.66
TTT 1.5	1500	0 - 35	225	180	80	56	70	120	19	20	6	£444.38
TTT 3.0	3000	0 - 40	225	195	84	60	75	125	19	25	10	£607.06
TTT 4.5	4500	0 - 45	225	222	105	65	90	147	22	30	16	£816.70

*Per clamp. NB: These clamps are to be used in pairs. All details above are per clamp.

TPM PERMANENT LIFTING MAGNETS

* Spare parts are shown on pages 188

TPM permanent lifting magnets are ideal tools for easy, quick and economical transport of heavy objects made from ferro-magnetic material. Typical operating areas are workshops and warehouses, loading and unloading of machines as well as construction of jigs and fixtures.



Model	Article number	Flat material			Round material			Tear off force kg	Dimensions				Weight kg	Price £
		Max. capacity WLL kg**	Min. thickness to obtain max. WLL mm**	Max. length of material mm	Max. capacity WLL kg**	Dia. mm	Max. length of material mm		A mm	B mm	C mm	D mm		
TPM 0.1	N56400001	100	14	2000	50	40-300	2000	300	122	69	185	160	5.3	£176.88
TPM 0.3	N56400002	300	20	2500	150	60-300	2500	900	192	95	225	250	13.5	£432.37
TPM 0.5	N56400003	500	24	3000	250	60-400	3000	1500	232	120	270	250	27.5	£574.30
TPM 0.8	N56400004	800	34	3500	400	60-400	3500	2400	302	154	320	450	52	£897.49
TPM 1.0	N56400005	1000	40	3500	500	80-400	3500	3000	332	154	320	450	57	£1096.20
TPM 2.0	N56400006	2000	55	3500	1000	100-400	3500	6000	392	196	420	450	125	£1618.10

**Maximum lifting capacity is achieved by using mild steels with the noted minimum thickness.
Mild steel st37 - Fe 360 to BS EN 10 025 1990 (DIN 17100).

CR SINGLE RAIL CLAMPS



Rail grab with safety lock

WLL 1000 - 2000kg

The CR rail clamps are designed to lift single rails securely and safely.

The clamps are designed to fit most types of rail section currently in use. The clamps have a narrow profile to enable attachment to an individual rail when rails are side by side.

The clamps are locked onto the rail-head via a lever operated spring mechanism. It is recommended to use clamps suspended from a lifting beam for long rail lengths.

Clamps can be supplied with a short length of chain and lifting eye as shown in the illustration. This MUST be specified at the time of order.

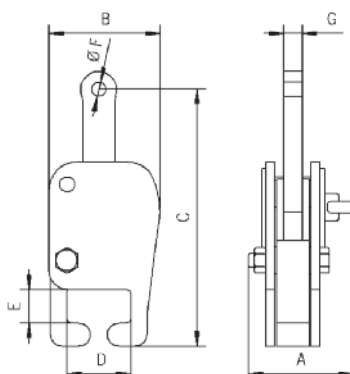


Typical application shot above showing a CR1000 in use with a Yale D85 Pul-lift and an 'Ironman' or right attached to YaleErgo 360 Ratchet Lever Hoist



SCAN ME

*Spare parts for CR are shown on page 200

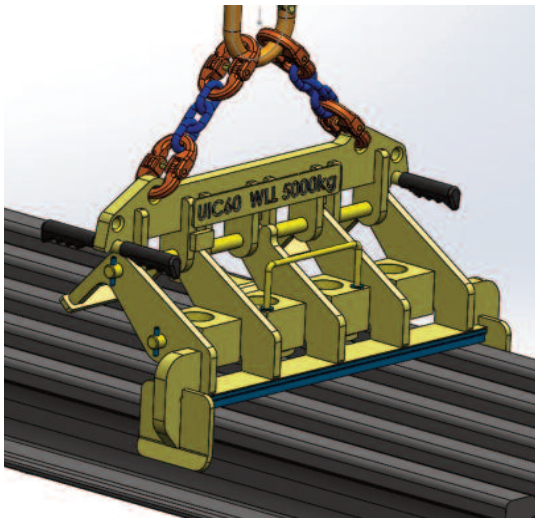


Model	CR1000	CR2000
A, mm	144	144
B, mm	152	163
C, mm	350	350
D, mm	90	90
E, mm	46	46
Ø F, mm	20	20
G, mm	25	25

Model	Number of rails	WLL kg*	Weight kg*	Price (standard unit) £*	Price (c/w chain) £*
CR1000	1	1000	13	£763.20	£825.43
CR2000	1	2000	15	£919.32	£973.91

*Per clamp.

MR 'FIXED' MULTI RAIL GRABS



The MR Multi-rail grabs have been designed to facilitate the fast bulk handling of a specific rail section (details to be advised at time of order).

Rails are locked onto the clamp by swivelling toes that locate under the rail-head and top clamp body that rotates in a cam action, pressing a hard rubber lined horizontal beam onto the top of the rail-head. The rubber lined contact beam prevents marking or damage to the rail-head.

Two clamps are recommended at centres of 50% to 60% of rail length for rails up to 20 mtr long. For rails longer than 20 mtr, three clamps at centre distance between outer clamps of 65% to 75% of rail length must be used. (NB. Clamp must be within rated WLL).

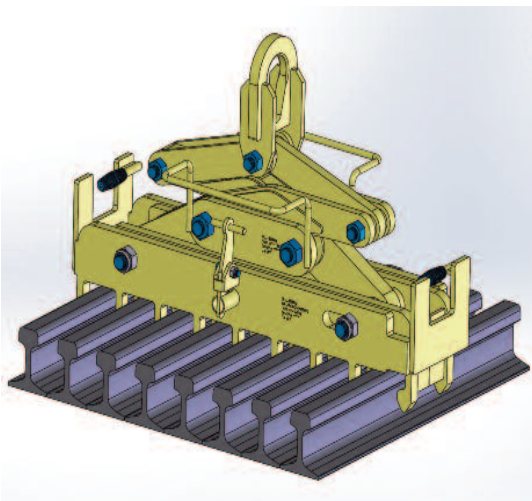
Rails to be lifted must be stacked with bottom flange toes touching. All rails must be of the same rail section size.

The master link used is ref: A8W26 (100mm x 180mm)

Model	Number of rails	WLL* kg	Weight* kg	Price* £
MR3	3	5000	84	£3333.38
MR4	4	5000	108	£3688.23
MR5	5	5000	132	£4596.63
MR6	6	6000	156	£4843.39
MR7	7	7000	180	£5820.59
MR8	8	8000	204	£6033.49

*Per grab. • Please advise rail section when ordering.

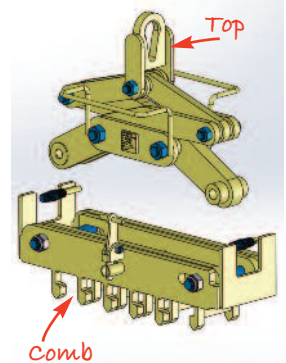
MRC 'INTERCHANGEABLE' MULTI RAIL GRABS



The MRC Multi-rail grabs have been designed to facilitate the fast bulk handling of rail sections.

The features and applications of the MRC Multi-rail grabs are similar to that of the MR Multi-rail grabs but with the added benefit of having interchangeable, modular designed comb sections. Various combs sections to suit specific rails can be combined with the same scissor mechanism. Additional comb sections can be purchased separately. Please contact our sales team for further details.

An further option on the MRC is that it can be fitted with an automatic open / close device that engages the rail sections when the clamp is lifted from the rest position.



Model	Number of rails	WLL kg	Weight (complete unit) kg	Top manual latch price £	Comb manual latch price £	Top auto latch price £	Comb auto latch price £
MRC4	4	5000	200	£1539.49	£2305.96	£1821.18	£2452.27
MRC5	5	5000	230	£1539.49	£3246.03	£1821.18	£3393.43
MRC6	6	6000	265	£1539.49	£3695.87	£1821.18	£3842.83
MRC7	7	7000	295	£1539.49	£4242.88	£1821.18	£4257.07
MRC8	8	8000	330	£1920.54	£4369.53	£2205.51	£4389.18

• Please advise rail section when ordering.

PP PILE PULLING CLAMPS



The **PP pile pulling clamps** are designed to pull out driven piles or trench shielding. The clamps have a narrow opening and a deep slot to ensure that the pile is gripped firmly. It is extremely difficult to determine the forces required to pull out driven piles so it is recommended that a load indicator is used to ensure the WLL of the clamp is not exceeded.

The PP clamp is supplied as standard with a double locking mechanism to ensure that the clamp remains 'locked on' and cannot become unlocked during the extraction of the pile.

Model	WLL kg	Jaw capacity mm	Throat depth mm	Weight kg	Price £
PP 3	3000	0 - 16	147	12	£591.77
PP 8	8000	0 - 30	194	28	£825.43

*Shackle NOT included on PP clamps.

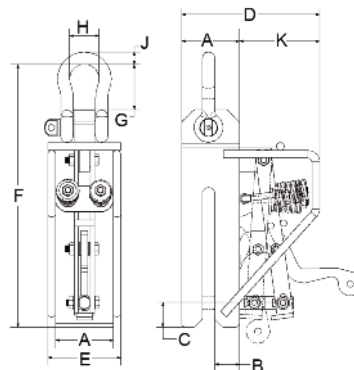
CP PILE PITCHING CLAMPS



The **CP pile pitching clamps** are specifically designed for pitching sheet steel piling. These clamps come fitted with a 15 metre length of rope which allows the clamp to be released from the ground. The clamp comes fitted as standard with a shackle.

NB: These clamps are **NOT** designed for extracting driven piles.

*Spare parts for the CP pile pitching clamps are shown on page 198



Model	WLL kg	Jaw width mm	Throat depth mm	Pin dia. mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	Weight kg	Price £
CP 2	2000	20	228	20	90	38	38	215	114	411	71	46	19	200	19	£547.01
CP 3	3000	26	228	30	100	40	38	225	124	438	91	63	25	200	22	£612.52
CP 5	5000	35	228	30	115	45	38	240	139	477	117	82	32	200	28	£678.03

PH PIPE HOOKS



The **PH pipe hooks** are used in pairs for the safe transport of pipes. The shackles are included with the hooks.

PH for 60° - 90° top angle between chains:

Model	WLL kg*	Pipe wall thickness (without lining**) mm	Weight kg*	Price £*
PH 2/A	2000	0 - 40	2.4	£167.05
PH 4/A	4000	0 - 50	5.6	£243.47
PH 6/A	6000	0 - 60	8.3	£302.44
PH 8/A	8000	0 - 70	13.5	£423.63
PH 10/A	10000	0 - 80	17.8	£480.41

*Per pair.



Sold in pairs complete with shackles. (chains not supplied)

TPZ BOARD CLAMPS



TPZ board clamps offer a simple and effective way to vertically lift and transport a variety of materials such as wood, MDF, plasterboard, stone, and plastics. The clamp has been designed with large rubber pads to minimise damage to loads and the handle enables the operator to guide the load easily during operation.

Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
TPZ 400	20 - 400	5 - 50	8	£581.95
TPZ 400L	20 - 400	50 - 100	9	£660.56
TPZ 750	40 - 750	5 - 60	12	£836.34
TPZ 750L	40 - 750	60 - 120	14	£926.97

*Per clamp. • Please contact our sales team for full technical drawings.



HGC HAND GRIP CLAMPS



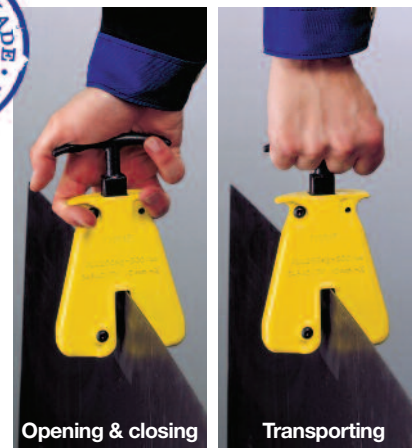
The **HGC hand grip clamps** are suited for the individual transportation of light and thin materials. They have a jaw capacity of up to 10mm, and can lift up to 250kgs.

To operate the clamp you simply press down on the hand grip which compresses a spring. This allows the clamp to open and you simply slide the clamp on to the material to be lifted.

Model	Type / option	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
HGC 250	Standard	250	0 - 10	1.4	£181.25
HGC 250 EX	Ext. handle	250	0 - 10	1.5	£200.90
HGC 250 EB	Eye bolt	250	0 - 10	1.4	£186.70

*Per clamp. • Please contact our sales team for full technical drawings.

EX= Extended handle (300mm). EB=Eye bolt (instead of handle).



TSZ 'TWO WAY' SCREW CLAMPS

The **TIGRIP TSZ 'two way' screw clamps** offers many possible uses. Ideally suited for the construction industry. The unique design of the spindle makes it easy to attach to 'angle' plate. This is achieved by simply turning the handle which applies the pressure to the plate holding it securely. Two lifting points enable it to be pulled in two different directions.

Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
TSZ 500	500	0 - 28	3	£364.68
TSZ 1500	1500	0 - 35	5	£434.55
TSZ 3000	3000	0 - 35	9	£527.36
TSZ 5000	5000	0 - 40	16	£943.34
TSZ 7500	7500	0 - 40	21	£1053.62

*Per clamp.

NB. Surface of material to be lifted must not exceed a hardness level of HRC 50/Brinell 480



TSH 'SWIVEL HOOK' SCREW CLAMPS

The **TIGRIP TSH 'swivel hook' screw clamps** is suitable for many applications. It is particularly useful for lifting and pulling sheet metal, girders, and steel constructions. The clamps are supplied complete with an alloy safety shackle that allows for pulling at 180° degrees.

Model	WLL kg*	Jaw capacity mm	Weight kg*	Price £*
TSH 750	750	0 - 30	3	£359.21
TSH 1500	1500	0 - 32	7	£384.32
TSH 3000	3000	0 - 50	11	£498.97
TSH 5000	5000	0 - 80	27	£897.49

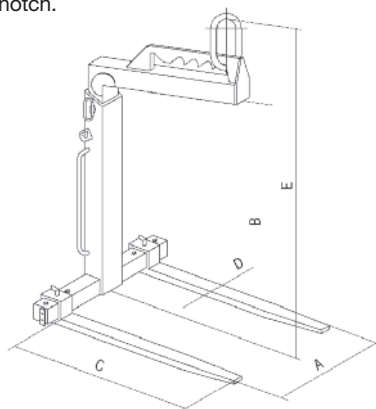
*Per clamp.

NB. Surface of material to be lifted must not exceed a hardness level of HRC 50/Brinell 480



TKG-VH 'MANUAL' BALANCE CRANE FORKS

The **TIGRIP TKG-VH** range of crane forks are equipped with adjustable tines and have an adjustable height mast. The balancing system engages when the master link is manually hooked into the appropriate notch.



- Factor of safety 4 : 1
- Maintenance free.
- Highly visible safety colour.
- For transporting rings or coils, simply push fork tines together.
- Easily adjustable tines for all pallet sizes.
- Supplied with chain for securing the load.

TIGRIP®
Crane forks

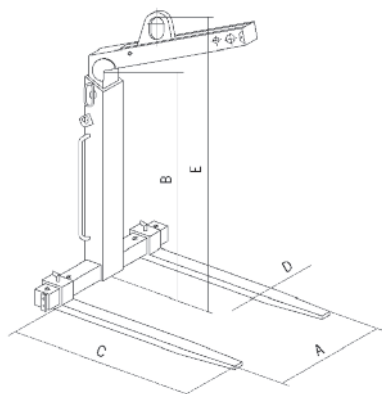


Model	WLL kg	Adjustment of tines (A) mm	Useable height (B) mm	Length of tines (C) mm	Section of tines (D) mm	Overall height (E) mm	Weight kg	Price £
TKG1.0vh	0 - 1000	350 - 900	1100 - 1600	1000	100 x 30	1390 - 1890	130	£992.48
TKG2.0vh	0 - 2000	400 - 900	1300 - 2000	1000	120 x 40	1640 - 2340	200	£1233.77
TKG3.0vh	0 - 3000	450 - 900	1300 - 2000	1000	120 x 50	1670 - 2370	250	£1602.82
TKG5.0vh	0 - 5000	500 - 1000	1300 - 2000	1000	150 x 60	1700 - 2400	370	£2182.59

TKG-VHS 'SELF WEIGHT' BALANCE CRANE FORKS

The **TIGRIP TKG-VHS** range of crane forks are equipped with adjustable tines, adjustable mast height and a self weight balancing system. Crane forks with self weight balancing* tend to point their tines upwards when being transported, this prevents the load from unintentionally slipping off the tines.

The self weight balancing mechanism returns the lifting point to the unloaded position when the load is set down. For efficient operation of this mechanism the load must be greater than 20% of the working load limit.



- Factor of safety 4 : 1
- Maintenance free.
- Highly visible safety colour.
- For transporting rings or coils, simply push fork tines together.
- Easily adjustable tines for all pallet sizes.
- Supplied with chain for securing the load.

TIGRIP®
Crane forks



**NB: The automatic balancing system requires a minimum load of 20% of the crane forks working load limit.*

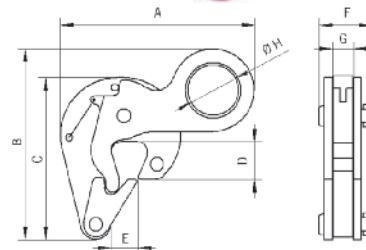
Model	WLL*	Adjustment of tines (A) mm	Useable height (B) mm	Length of tines (C) mm	Section of tines (D) mm	Overall height (E) mm	Weight kg	Price £
TKG1.0vhs	*200 - 1000	350 - 900	1100 - 1600	1000	100 x 30	1420 - 1920	140	£1194.47
TKG2.0vhs	*400 - 2000	400 - 900	1300 - 2000	1000	120 x 40	1655 - 2355	220	£1453.23
TKG3.0vhs	*600 - 3000	450 - 900	1300 - 2000	1000	120 x 50	1720 - 2420	280	£1942.38
TKG5.0vhs	*1000 - 5000	500 - 1000	1300 - 2000	1000	150 x 60	1710 - 2410	380	£2587.66

DC500 DRUM CLAMP



The **DC500 drum clamp** has been designed to lift and transport steel drums. If moving empty or sealed drums then one clamp is sufficient. Should you be lifting an open full drum, then two clamps should be used with a two leg chain sling.

This clamp is extremely light weight and very quick and easy to use.



Model	WLL kg*	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg*	Price £*
DC500	500	152	150	127	30	21	41	17	40	1.2	£170.32

*Per clamp. NB: For use with **STEEL DRUMS** only.

DCV500 'VERTICAL LIFT' DRUM CLAMP

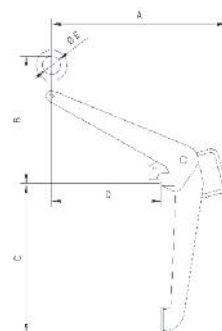


The **DCV500 drum clamp** has been designed to lift and transport steel drums in the vertical position. One clamp can be used to lift drums with or without their lids by gripping the rim of the drum.

Its light weight and small overall design makes it ideal for picking up drums that sit tightly on pallets. The centre of gravity of the drum is below the lifting point during transportation.

The DCV500 is also available with a 'lock on / open latch'. Please contact the Camlok sales team for further details.

NB: For use with **STEEL DRUMS** only.



Model	WLL kg	A mm	B mm	C mm	D mm	E mm	Weight kg	Price £
DCV500	500	479	350	410	300	50	7	£197.62

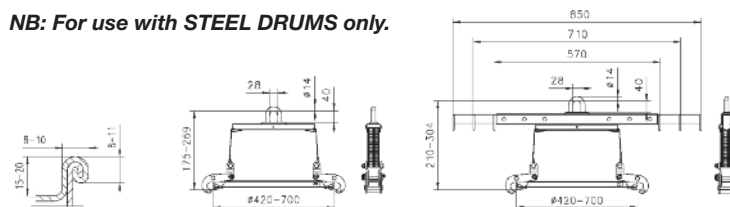
DA/DAF 'LOW HEADROOM' DRUM GRABS



The **DA drum grab** is designed for the vertical transportation of steel drums. The jaws grab under the lip of the drum with its form-fitting connection.

The **DAF drum grab** works on the same principle as the DA grab, but has the added benefit of adjustable arms that can be used with a forklift.

NB: For use with **STEEL DRUMS** only.



Model	WLL kg	Jaw Capacity mm	Weight kg	Price £
DA	350	420 - 700	3.5	£489.14
DAF	350	420 - 700	6.0	£521.90

TRU ROUND STOCK GRABS



TRU round stock grabs

Working load limit (WLL) 100 - 4000kg

The TRU round stock grabs are designed to pick up tubes, pipes, rolls or similar round stock material with a diameter of up to 300mm. They are extremely easy and simple to use and make for safe lifting.

Options:

- Jaws can be fitted with plastic pads or rubber lining to minimise marking of surfaces.

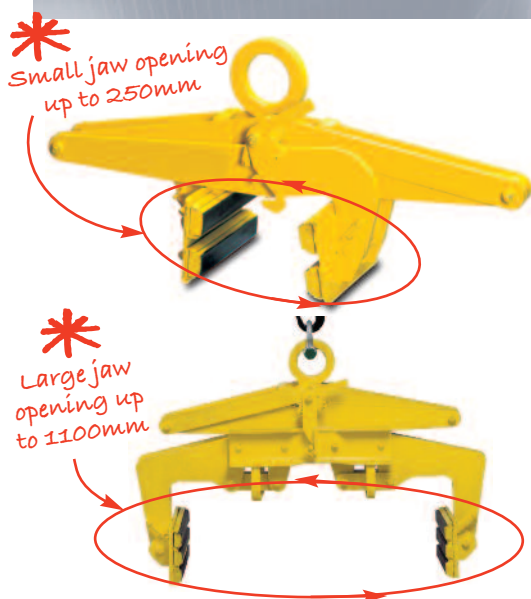
NB: When using the protective lining, it is important that the surfaces are dry, clean and free of oil and grease.



Model	WLL kg	Jaw capacity* mm	Weight kg	Manual latch	
				Standard jaws £	Rubber lined £
TRU 100	100	50 - 150	3.9	£529.54	£619.07
TRU 500	500	35 - 200	13.6	£591.77	£683.49
TRU 1000	1000	35 - 200	13.6	£711.88	£801.41
TRU 1500	1500	80 - 300	27.0	£806.87	£896.40
TRU 3000	3000	80 - 300	49.0	£1531.84	£1621.38
TRU 4000	4000	200 - 600	208.0	£2000.90	£2088.64

*NB: When fitted with rubber lining jaw capacity will be reduced by approx 4mm.

TBG/TST BLOCK GRABS



TBG/TST block grabs

Working load limit (WLL) 200 - 1000kg

These block grabs are designed to transport any material with parallel surfaces that can withstand a clamping pressure twice as high as the weight of the load being lifted. The range offers jaw capacities from 0 - 1100mm. They are extremely easy and simple to use and make for safe lifting. The TBG has rubber lined jaws and the TST model has serrated steel jaws.



NB: When using the models fitted with rubber pads, it is important that the surfaces are dry, clean and free of oil and grease.

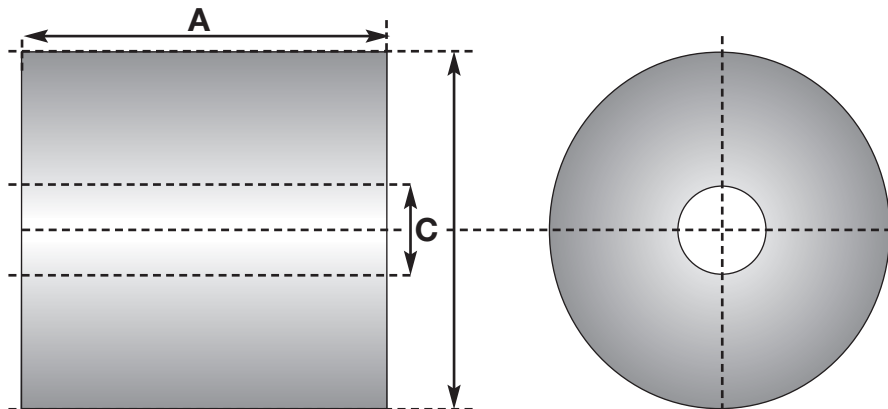
Model	WLL kg	Jaw capacity mm	Weight kg	Manual latch	
				TST.... With teeth £	TBG.... Rubber lined £
TBG/TST500S	500	0 - 150	27	£795.95	£780.66
TBG/TST1000S	1000	50 - 250	50	£1038.34	£1024.14
TBG/TST200L	200	200 - 500	49	£1111.49	£1097.75
TBG/TST300L	300	400 - 700	52	£1265.46	£1241.41
TBG/TST500L	500	600 - 900	55	£1405.20	£1377.90
TBG/TST1000L	1000	800 - 1100	72	£2254.64	£2207.70

TCK 'SINGLE ARM' C-HOOKS



The **Camlok TCK C-Hooks** have been designed to safely and efficiently handle coils, rolls, rings, pipes, round stock and other similar loads.

Many features are available on C-hooks. When lifting collared or standard pipes, the optional backstop device can be positioned as far back as possible. If the lifting of shorter pipes is required the backstop can be adjusted accordingly. Loads that are longer, or exceed the specified working load limit, should not be lifted. Camlok uses the latest 3D CAD design technology to produce bespoke products tailored to customer requirements. There are many additional options available including shaped tines and adjustable end-stops.



Load details: The more information you can provide the quicker a quote can be prepared. Please provide the Width (A) x Outside Dia. (B) x Inside Dia. (C)

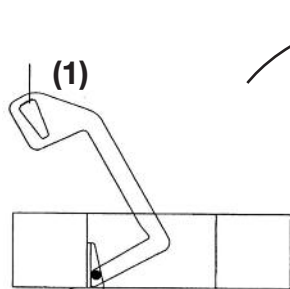


TCS 'UNIVERSAL' TURNING HOOKS

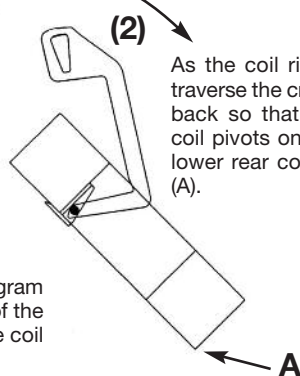


The **TCS coil turning hooks** are specifically designed to pick up coils of steel or banding material which are laying flat.

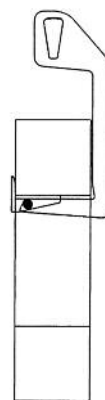
Once the turning hook is positioned and the crane hook is raised, the coil automatically transfers from the horizontal position to the vertical position. This allows for easy transportation and also allows for loading onto machines or racking.



Place the hook into the coil centre as shown above (diagram 1), with the back of the lifting shoe touching the inside of the coil and the lifting sling vertical. Slowly hoist up until the coil rises from the ground.



As the coil rises, traverse the crane back so that the coil pivots on the lower rear corner (A).



(3)

Continue hoisting and traversing the crane until the coil is vertical. Take special care when the pivot point is below the cog of the coil, as the coil will topple back into the hook. If thin coils are lifted, then place the coil down on its edge and move the coil to the rear of the hook for transporting.

Model	WLL kg	Coil mm	Min. internal dia. mm	Weight kg	Price £
TCS 0.5 / 120	500	50 - 120	220	9	£308.99
TCS 0.5 / 200	500	100 - 200	300	10	£326.46
TCS 1.0 / 200	1000	100 - 200	300	13	£342.84
TCS 1.0 / 300	1000	200 - 300	400	15	£426.91
TCS 2.0 / 200	2000	100 - 200	300	21	£514.25
TCS 2.0 / 300	2000	200 - 300	400	23	£605.97
TCS 3.0 / 200	3000	100 - 200	300	34	£668.20
TCS 3.0 / 300	3000	200 - 300	400	39	£778.48

CLB/CLT CONTAINER LIFTING LUGS

** Always read operating instructions prior to use.*

CLB for bottom/side lifting CLT for top lifting

Working load limit* (WLL) 32000 - 56000kg

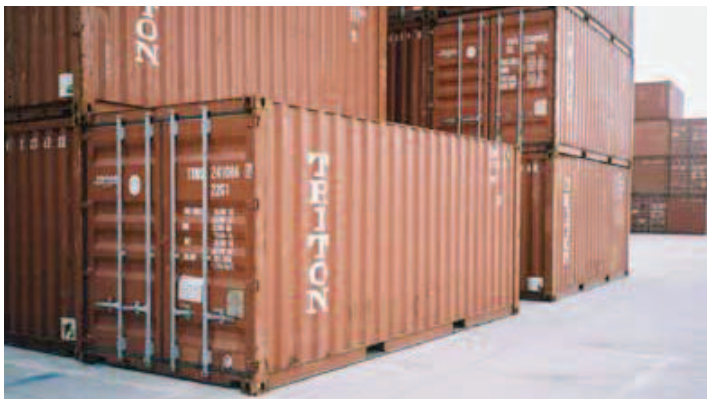
These container lifting lugs are supplied, and used, in sets of 4. They have a total lifting capacity of up to 56 tonne. The CLB and CLT lugs serve as flexible lashing points for the transportation of containers.

Two types are available dependant upon where you want to fasten them; to the side or the top of the container.

The CLB model is mounted horizontally to the side of the container at either the top or the bottom fixing holes. This model has a spring loaded bolt to prevent accidental release.

The CLT type is vertically mounted in the hole at the top of the container and is locked into place by simply turning the lug 90°. This configuration allows for transportation via the use of a lifting frame in conjunction with cables, chains or slings.

NB. NOT TO BE USED ON A 4 LEG CHAIN SLING.



CLT
for top lifting



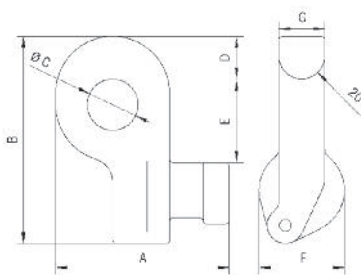
CLB
for bottom/side lifting

Model	WLL kg*	Type of lifting	Sling angle from vertical	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg*	Price £*
CLB	32000 50000	SIDE	50° Vertical	152	181	45	37	73	75	40	-	20	£539.37
CLT	56000	TOP	Vertical	123	217	45	39	57	101	121	62	32	£599.41

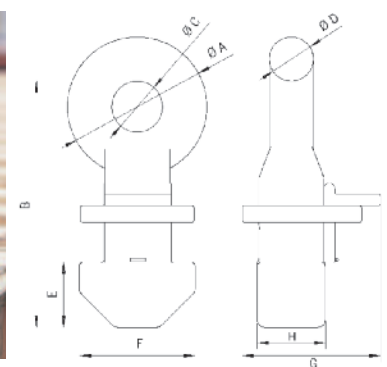
*Per set of 4. Spare Lock Pin: 4300004618 £29.41



Container lifting lug
CLB



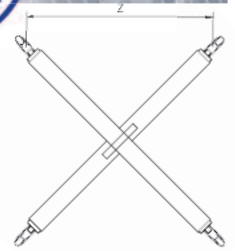
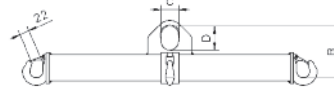
Container lifting lug
CLT



TTB BIG 'BULK' BAG LIFTER



The **TTB big bag lifter** is designed to lift and transport standard large bulk bags safely and securely. It is manufactured as a 4 point spreader beam in a fixed frame. The construction incorporates 4 hooks with safety latches that allow fast loading and unloading.



Model	Article No	WLL kg	Width (Z) mm	B mm	C mm	D mm	Weight kg	Price £
TTB 2/1090	N53156302	2000	750-800	240	75	135	42	£361.40

FLTH ADJUSTABLE 'DUAL' TINE HOOKS



The **FLTH tine hook** is designed to convert your forklift truck into a crane. This is done by simply sliding the FLTH over the tines of your forklift truck and then fastening the tines by tightening the two threaded bars underneath. The unit is supplied as standard with a swivel safety hook.

Model	WLL kg	Max. fork size mm	Weight kg	Price £
FLTH 2	2000	120 x 60	31	£633.27
FLTH 3	3000	120 x 60	37	£728.25

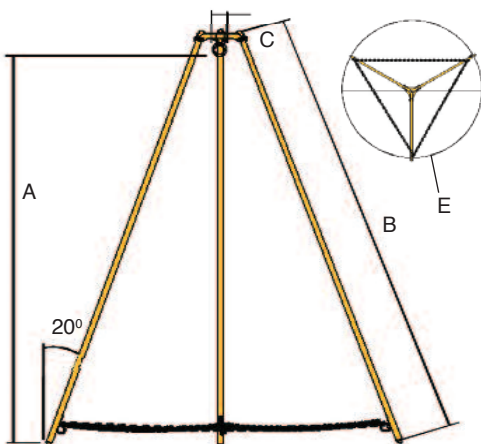
TZH ADJUSTABLE 'SINGLE' TINE HOOKS



The **TZH tine hook** is designed to convert your forklift truck into a crane. This is done by simply sliding the TZH onto a single tine. The tine hook is fastened to the tine by tightening the two threaded bars on either side. The unit is supplied as standard with a swivel safety hook.

Model	WLL kgs	Fork width mm	Max. fork height mm	Weight kgs	Price £
TZH1.5/150	1500	100 - 150	74	8.5	£342.84
TZH3.0/150	3000	100 - 150	74	12.0	£418.18
TZH5.0/200	5000	150 - 200	94	16.0	£648.55

SL SHEARLEGS



The **Camlok Shearlegs** have been designed to be simple, easy to erect and operate. Each set of shearlegs are supplied fitted with safety chains and a large eyebolt for the suspension of hand operated lifting devices

NB: These shearlegs must not be used for lifting personnel. Height Safety Tripods are available on page 53.

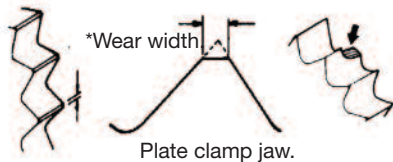
Model	WLL kgs	A mm	B mm	E mm	Weight kgs	'Spike' £	'Flat' £
SL0.500/2	500	2000	2254	1800	24	£864.73	£890.94
SL1000/2	1000	2000	2276	1816	33	£901.86	£948.80
SL1000/3	1000	3000	3340	2544	44	£988.11	£1040.52
SL2000/3	2000	3000	3366	2554	71	£1002.30	£1054.71
SL3000/3	3000	3000	3409	2730	88	£1185.73	£1247.97

Camlok Shearlegs are supplied as standard with spiked feet but are available with a rubber lined flat feet. Please specify at time of order.

CAMLOK SAFETY VERTICAL PLATE CLAMPS

RIGHT ✓ FOR LIFTING LONG PLATES

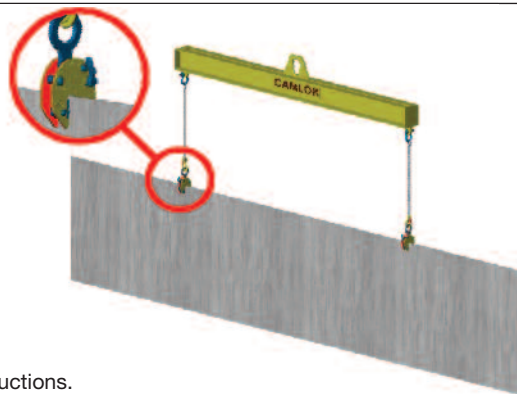
TWO CLAMPS AND A LIFTING BEAM MUST BE USED



Chipped teeth are only acceptable if the chip is less than half the width of the tooth and the adjoining teeth are undamaged.

*Wear width: See clamp operating instructions.

Plate at full depth and lever in locked position.



RIGHT ✓ FOR LIFTING SHORT LENGTH PLATES

A SINGLE CLAMP CAN BE USED

- Always read operating instructions before use.
- Plate must be free from grease, liquids, scale or paint.
- Always check the operation of the clamp before use.
- Never use damaged or worn clamps. Report damaged equipment to the relevant person.

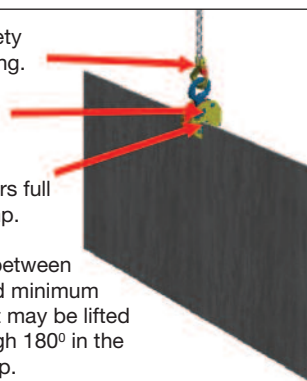


Always use a safety hook or safety sling.

Check lever is in locked position.

Ensure plate enters full depth of the clamp.

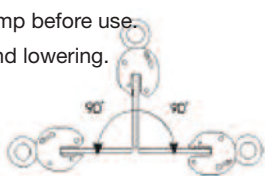
Loads weighing between the maximum and minimum working load limit may be lifted and turned through 180° in the plane of the clamp.



RIGHT ✓ FOR TURNING OVER PLATES

PLATE MUST BE IN CONTACT WITH BACK OF CLAMP

- Check operating of the clamp before use.
- Stand clear during lifting and lowering.
- Clamp can be attached to plate either way up.
- Fit clamp above centre of gravity.

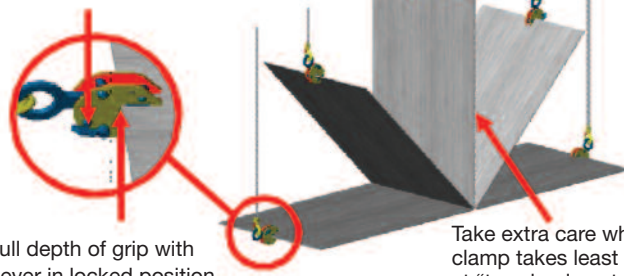


If locking lever is uppermost it is necessary to lift the clamp when sliding onto the plate to allow free movement of the jaw.

Ensure full depth of grip with locking lever in locked position.

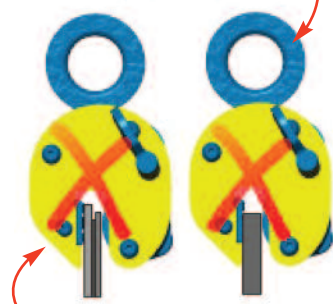
Lifting sling must be vertical for all positions.

Take extra care when clamp takes least weight at "top dead centre".



WRONG X

Always ensure that the plate is positioned to the back of the clamp.



Only lift one plate at a time.

For long plates a beam must be used. Do not use endless chain slings.

Always check positioning of clamp before use.

For this type of lift use CY/CX hinged plate clamps only.

When the clamp is wrongly positioned it will reposition itself on reaching top dead centre and may release the plate.

Insufficient slack in sling.

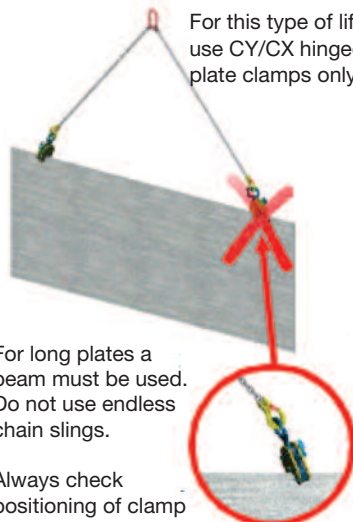
Operating lever only moves part way and plate is not released.

Do not force but tap chain lug if stuck.

Force will cause failure of camshaft.

Do not fast lower onto floor as crane hook will force open the clamp and release the plate.

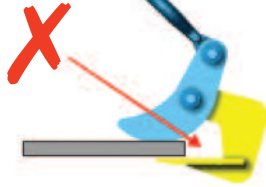
Do not lower if lever is not in the locked position.



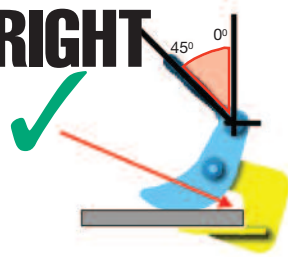
CAMLOK SAFETY HORIZONTAL / GIRDER / SCREWLOK CLAMPS

HORIZONTAL PLATE CLAMPS

WRONG



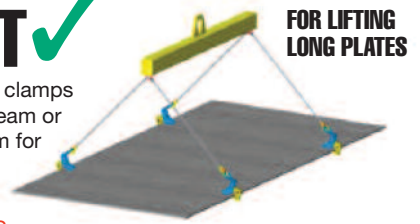
RIGHT



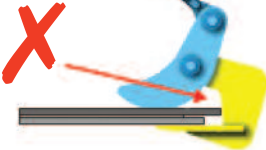
RIGHT

Use 2 pairs of clamps and a lifting beam or spreader beam for long plates.

DO NOT USE 4 LEG SLINGS.



WRONG



Check the plate is in contact with the back of the clamp.

Bundles must be the same width and size.

Clamps with teeth can only lift one plate at a time.

RIGHT

Use one pair of clamps for short plates.

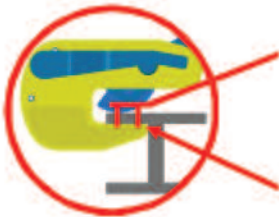
DO NOT USE ENDLESS CHAIN SLINGS.



GIRDER / SECTION CLAMPS

CG, TTR & TTG CLAMPS

Use on small sections.



Jaw in contact with sufficient surface area to grip load safely.

Front of clamp in contact with load.

Always ensure the clamp is fitted correctly before attempting a lift.

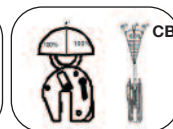
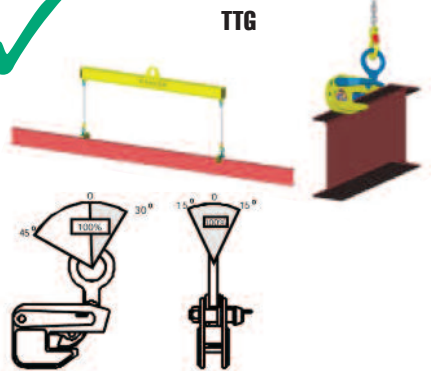


RIGHT

For long girders use 2 clamps and a lifting beam.

For short sections one clamp may be used.

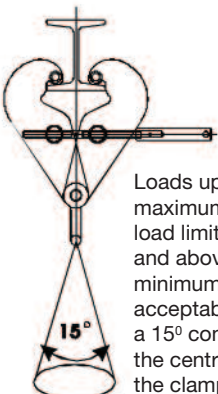
TTG



ALWAYS READ OPERATING INSTRUCTIONS BEFORE USE.

SCREWLOK BEAM CLAMPS

ALWAYS READ OPERATING INSTRUCTIONS BEFORE USE.

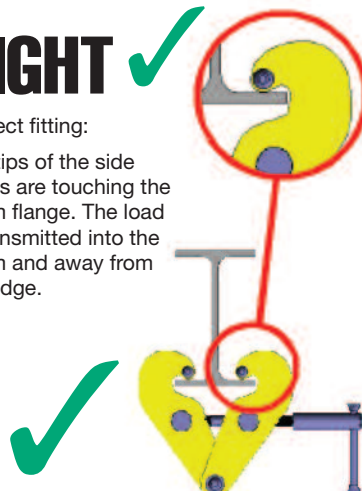


Loads up to the maximum working load limit (W.L.L.) and above the minimum W.L.L. are acceptable within a 15° cone from the centre line of the clamp.

RIGHT

Correct fitting:

The tips of the side plates are touching the beam flange. The load is transmitted into the beam and away from the edge.

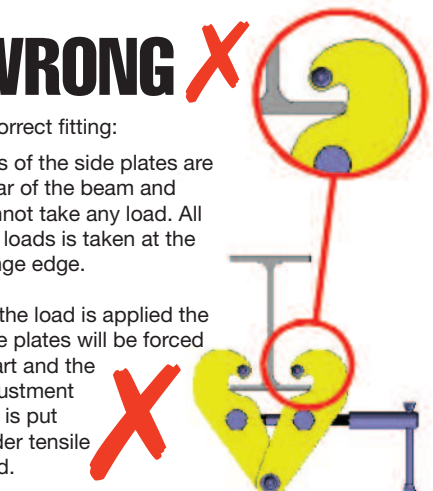


WRONG

Incorrect fitting:

Tips of the side plates are clear of the beam and cannot take any load. All the loads is taken at the flange edge.

As the load is applied the side plates will be forced apart and the adjustment bar is put under tensile load.



LB WIRE ROPE WINCHES

**BEST
SELLER**

LB wire rope winches

Capacities: 150 - 1200kg (up to 900kg in stainless steel)

Originally developed as an off-road winch, the console-mounted winch model LB is used today for a variety of lifting and pulling applications. The LB is our best-selling range of winches designed for maximum versatility & efficiency.

Features and benefits include:

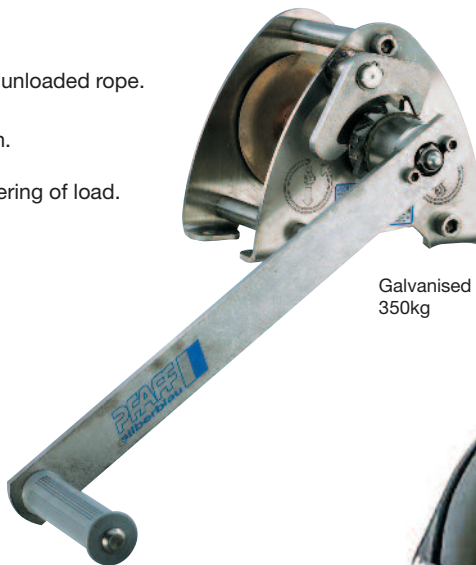
- Options include:
 - free-wheeling device for a quick manual unrolling of the unloaded rope.
 - variable cranks
 - stainless steel version for increased corrosion protection.
- Very lightweight design.
- Fitted with load pressure brake to prevent unintentional lowering of load.
- High efficiency obtained by spur gears.
- Column or base-mounting.



SCAN ME



Galvanised design
1200kg



Galvanised design
350kg



Stainless steel design
900kg

Type		Galvanised design					Free-wheel		Stainless steel design		
Article No.		30239016	30239015	41239004	41239006	42239008	42239007	42239009	32239017	42239012	32239013
Lifting capacity											
- 1 st rope layer	kg	150	350	650	900	1200	900	1200	250	650	900
Lifting capacity											
- upper rope layer	kg	75	170	290	400	430	400	430	125	290	320
Drive group											
- DIN 15020		1 Em	1 Em	1 Em	1 Em	1 Em	1 Em	1 Em	1 Em	1 Em	1 Em
Wire rope Ø	mm	4*	4*	6*	7*	7**	7*	7**	4*	6*	7*
Wire rope cap.											
- 1 st layer	m	0.8	1.8	1	0.8	1	0.8	1	1.8	1	1
Wire rope cap.											
- total	m	11	20	20	14	26	14	26	19.5	20	26
Lift per crank rotation	mm	125	125	55	58	45	58	45	125	55	45
Required crank pressure	daN	17	25	22	24	24	24	24	20	22	24
Weight	kg	4.2	4.8	7.3	10	12.1	10	12.1	4.8	7.6	12.1
Price	£	£168.14	£175.79	£232.56	£252.21	£389.79	£503.34	£533.91	£457.48	£687.86	£777.39

*Recommended wire rope: DIN 3060 FE-znk 1770 sZ-spa.

**Recommended wire rope: DIN 3060 SE-znk 2160 sZ-spa.

• All Pfaff winches are supplied WITHOUT wire rope.

Spare parts for LB650 are shown on page 201

HW-C/CS 'SPUR GEAR DRIVE' MANUAL WIRE ROPE WINCHES

Spur gear drive, manual wire rope winch Model HW-C

Capacities: 300 - 800 daN

Features and benefits include:

- Winch housing and rope drum from robust steel plate for high versatility.
- Rope drum on bush bearings for flawless rope lead-off.
- Spur gear drive for optimal efficiency.
- Compact design.
- Easy and quick mounting onto walls, poles, towers etc.
- Pivotable handle.
- Automatic load pressure brake for safe holding and extremely sensitive lowering of the load. Unintentional brake release is prevented even with swinging loads.
- The wire rope winch comes with a high visibility, yellow powder coated finish as standard.
- Suitable for operation in ambient temperatures of -10° to +50°



HW-C

Applications:

Suitable for use in areas where electricity is not available or where electric appliances can not be safely operated on account of water, mud or dirt.

Stainless steel, spur gear drive, manual wire rope winch Model HW-CS

Capacities: 300 - 800 daN

Features and benefits include:

- As per the HW-C, except that the winch housing and rope drum are made from stainless steel. The plain drum bearings are made from bronze for additional corrosion resistance.

Applications:

Again, as per the HW-C but with even more protection against the elements faced when used outdoors.



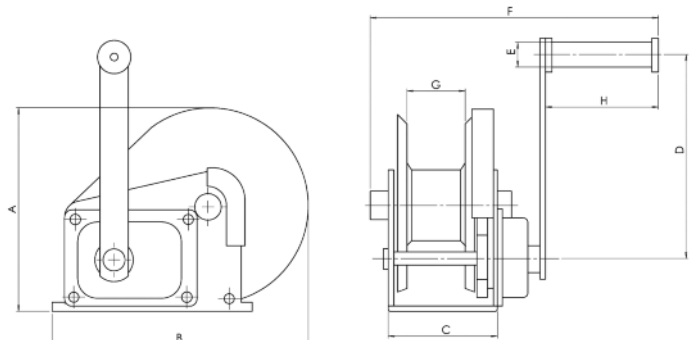
HW-CS

** These winches are not designed for passenger elevation and must not be used for this purpose!*

Model	Article number	Lifting / pulling cap. 1st rope layer daN	Lifting / pulling cap. top rope layer daN	Crank effort 1st rope layer daN	Ratio	Recomm. rope diameter mm	Minimum breaking load of wire rope kN	Wire rope storage max. mtr	Number of rope layers max.	Weight without wire rope kg	Price £*
HW-C 30	N03300001	300	120	22	4.2:1	5	13.6	20	9	3.8	£58.96
HW-C 80	N03300004	800	400	20	10:1	8	34.8	15	7	10.1	£123.38
HW-CS 30	N03300006	300	120	22	4.2:1	5	13.6	20	9	3.8	£194.34
HW-CS 80	N03300007	800	400	20	10:1	8	34.8	15	7	10.1	£350.48

***All winches are supplied WITHOUT wire rope.**

Reference	Dimensions			
	HW-C 30	HW-C 80	HW-CS 30	HW-CS 80
A	156	216	156	216
B	184	293	184	293
C	88	127	88	127
D	208	319	208	319
E	27	27	27	27
F	273	308	273	308
G	51	63	51	63
H	109	109	109	109



SW-W 'WALL-MOUNTED' WIRE ROPE WINCHES (SG)



300 - 750kg



125kg

SW-W wall-mounted, wire rope winches

Capacities: 125 - 750kg

Robust and well-designed, the SW-W is well-suited to industrial and plant construction, agriculture and wholesale applications.

Features and benefits include:

- External braked safety crank for 300kg to 750kg units.
- Removeable hand crank on 125kg unit.
- Aluminium body on 125kg unit.
- Heavy duty steel body for 300kg to 750kg units.

Article No.		N040271008	30271001	30271136	30271019
Lifting cap. - 1 st layer	kg	125	300	500	750
Lifting cap. - upper layer	kg	65	220	350	550
Wire rope Ø	mm	4*	5**	6**	7**
Wire rope cap. - 1 st layer	m	2	2.1	2.4	2
Wire rope cap. - upper layer	m	12	15	15	10
Lift per crank rotation	mm	138	68	35	35
Required crank pressure	daN	13	15	13	20
Weight	kg	3	10	11	11
Price	£	£210.73	£462.94	£472.77	£490.23

*Recommended wire rope: DIN 3055 FE-znK 1770 sZ-spa.

• All Pfaff winches are supplied WITHOUT wire rope.

**Recommended wire rope: DIN 3060 FE-znk 1770 sZ-spa.

SW-W ALPHA 'WALL-MOUNTED' WIRE ROPE WINCHES



SW-W ALPHA, wall-mounted, wire rope winches

Capacities: 300 - 1000kg

Multi-positional and easily mountable winch, compact and low-weight

Features and benefits include:

- Toothed spur wheel back gear giving high efficiency.
- Low pressure brake to prevent unintentional lowering of load.
- Rope output possible in every direction.

Article No.		30272006	30272005	30272002	30272001
Lifting cap. - 1 st layer	kg	300	500	750	1000
Lifting cap. - upper layer	kg	130	230	270	360
Wire rope Ø	mm	5*	6*	7*	7*
Wire rope cap. - 1 st layer	m	1.3	1	1	1
Wire rope cap. - upper layer	m	28	20	26	26
Lift per crank rotation	mm	57	55	45	45
Required crank pressure	daN	13	17	17	18
Weight	kg	10	10	16	16
Price	£	£376.68	£422.54	£519.71	£522.99

*Recommended wire rope: DIN 3055 FE-znK 1770 sZ-spa.

• All Pfaff winches are supplied WITHOUT wire rope.

SW-KAL WIRE ROPE WINCHES (CG)



SW-KAL, wire rope winches

Capacities: 750 - 1120kg

Compact, base-mounting, aluminium bodied wire rope winch with closed construction suitable for exposed environments.

Features and benefits include:

- Hardened worm shaft and self-locking worm gear.
- Sealed gears for continuous lubrication and quiet operation.
- Teflon coated bearings.
- L/R hand side drum mounting with free-wheel device.

Article No.		WITH FREE WHEEL	
		30207004	30208000
Lifting cap. - 1 st layer	kg	750	1120
- upper layer	kg	600	600
Wire rope capacity - total	m	10	10
Wire rope Ø*	mm	6	7
Lift per crank rotation	mm	15	11
Required crank pressure	daN	20	22
Weight	kg	7	7
Price	£	£485.87	£497.88

• All Pfaff winches are supplied **WITHOUT** wire rope.

SW-K LAMBDA WIRE ROPE WINCHES



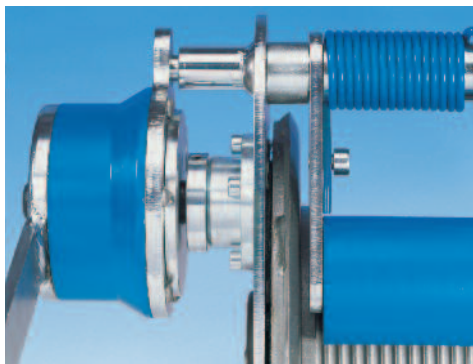
SW-K LAMBDA, wire rope winches to BGV C1

Capacity: 300kg

Strong, durable winch designed specially for safely moving loads above people. Conforms to German Safety Standard BGV C1 and is ideal for use in theatres, studios and warehouses.

Features and benefits include:

- Grooved drum.
- Spring loading rope pressure drum for improved one layer rope coiling.
- Safety spring double brake system automatically holds load.
- Multiple cable grooved drum available as optional extra.



Article No.		30272015	30272017
Lifting capacity	kg	300	300
Max. wire rope cap. in 1 layer	m	10	15
Wire rope Ø	mm	6*	6*
Lift per crank rotation	mm	50	50
Weight	kg	30	36
Price	£	£1455.41	£1809.18

*Recommended wire rope: DIN 3060 FE-znk 1770 sZ-spa.

• All Pfaff winches are supplied **WITHOUT** wire rope.

SW-K GAMMA 'ALUMINIUM' HAND WINCHES

SW-K GAMMA, aluminium hand winches Capacities: 200 - 800kg

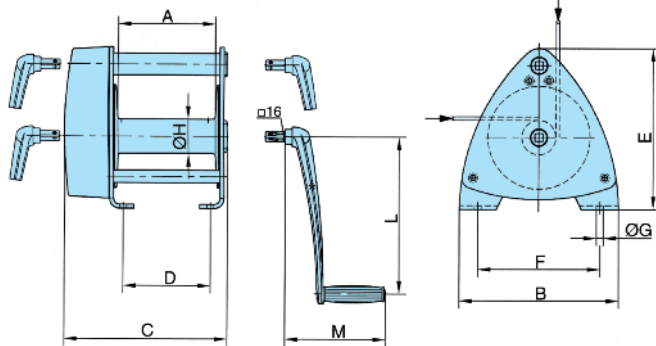
These models are the solution to many winching problems. The design features two-speed gearing on some models with very fast operation. The two speeds are available depending upon the capacity; for example on the 500kg winch the fast speed winds in 335mm for each turn of the crank with loads below 90kgs, whilst the slow speed lifts full loads with minimum effort.

Features and benefits include:

- Aluminium construction.
- Teflon coated bearings to reduce effort with a roller chain drive.
- Automatic self-sustaining spring loaded brake acting in both directions.
- Base, wall or ceiling mounting.
- Removeable handle, operates from both ends of the winch.

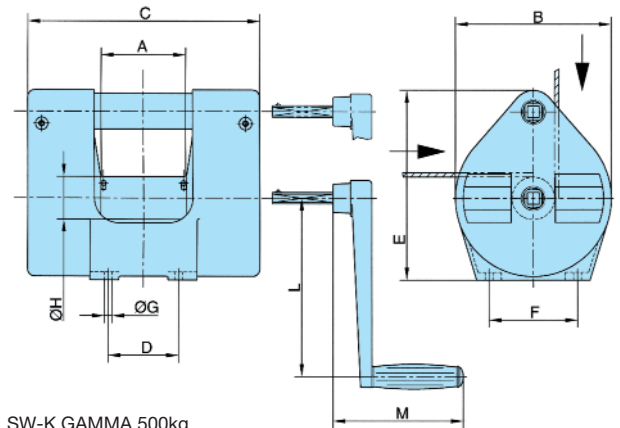


SW-K GAMMA 800kg



SW-K GAMMA 200kg / 800kg

*Only 800kg design



SW-K GAMMA 500kg

Article No.		SW-K GAMMA N040270004	SW-K GAMMA N040270001	SW-K GAMMA N040270006
Lifting cap. 1 st layer	kg	200	500	800
upper layer	kg	110	200	350
Wire rope cap. 1 st layer	m	3.6	4.2	5.3
upper layer	m	40	50	78
Drive group DIN 15020/1		1 Em	1 Em	1 Em
Wire rope Ø*	mm	4	6	7
Lift per crank rotation	mm	195	60/400**	36/280**
Required crank pressure	daN	19	12	18
Ratio of transmission		—	6.57:1	7.57:1
Weight	kg	6	14	16
A	mm	120	120	200
B	mm	160	220	326
C	mm	192	330	336
D	mm	152	100	180
E	mm	165	267	327
F	mm	135	125	250
G Ø	mm	9,5	11	14
H Ø	mm	50	60	70
L	mm	320	250	320
M	mm	207	165	207
Price	£	£467.30	£659.47	£1320.03

*Recommended wire rope DIN 3060 FE-znK-1770 sZ spa. **Low/high-speed.
• All Pfaff winches are supplied WITHOUT wire rope.



SW-K GAMMA - 200kg



SW-K GAMMA - 500kg

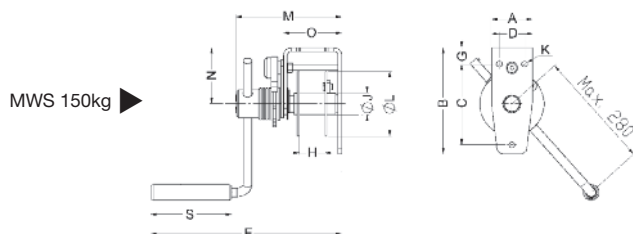
MWS 'SPUR GEAR DRIVE' MANUAL WIRE ROPE WINCHES

MWS, Manual winch with spur gear drive Capacities: 150 - 1500kg

For use where no electricity is available or in a dirty environment.

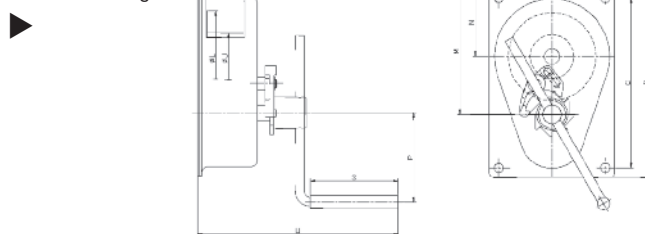
Features and benefits include:

- Enclosed gear drive for protection of internal parts, even under tough working conditions.
- Spur gears on roller bearings, rope drum on plain bearings.
- Easy and quick mounting onto walls, poles etc.
- They have a self-locking, anti-kickback and adjustable crank handle for fast lifting of smaller loads, resulting in lowest possible handle effort and rapid winding of the rope.
- Automatic load pressure brake for safe holding and extremely sensitive lowering of the load. Unintentional brake release is prevented even with swinging loads.
- They are suitable for operation in ambient temperatures of -20°C up to +40°C.

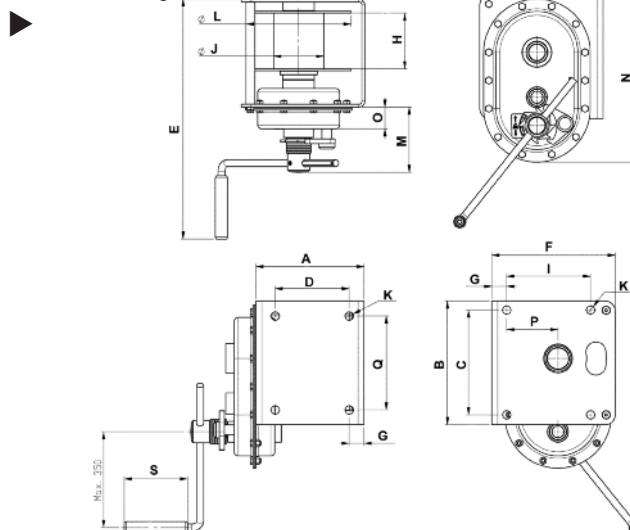


Model	MWS 150	MWS 300	MWS 600	MWS 1000	MWS 1500
A, mm	65	200	200	219	219
B, mm	168	300	300	250	250
C, mm	128	268	268	212	212
D, mm	40	168	168	150	150
E, mm	303	318	318	483.5	483.5
F, mm	-	-	-	250	250
G, mm	26	-	-	30	30
H, mm	40.5	55	55	113	113
I, mm	-	-	-	170	170
J, mm	35	70	60	102	102
K, mm	9	12	12	17	17
L, mm	102	145	145	212	212
M, mm	168	182	182	130	130
N, mm	89	199	199	338	338
O, mm	92	96	96	44	44
P, mm	-	-	-	104	104
Q, mm	-	-	-	190	190
S, mm	128.5	128.5	128.5	128.5	128.5

MWS 300-600kg



MWS 1000-1500kg



Model	Article number	Lifting capacity 1st rope layer kg	Lifting capacity last rope layer kg	Crank effort 1st rope layer daN	Ratio	Recomm. rope diameter mm	Minimum breaking load of wire rope kN	Useable rope length max. mtr	Number of rope layers max.	Weight without wire rope kg	Standard unit price £*	Corrosion resistant finish price £*
MWS 150	N02800013	150	68	11	1:1	4	5.7	13	8	4	£242.39	£540.46
MWS 300	N02800014	300	166	6	1:7.4	5	15.9	21	7	10	£348.30	£581.95
MWS 600	N02800015	600	308	10	1:7.4	6	22.9	12	6	11	£429.09	£715.16
MWS 1000	N02800018	1000	587	11	1:17	9	51	25	5	27	£811.23	£1255.61
MWS 1500	N02800019	1500	844	12	1:25.7	10	63	21	5	28	£1169.36	£1590.80

*All winches are supplied WITHOUT wire rope.

*** These winches are not designed for passenger elevation and must not be used for this purpose!**

SW-W-SGO 'WALL-MOUNTED' WIRE ROPE WINCHES (WG)

SW-W-SGO, wall-mounted wire rope winches with worm gear drive

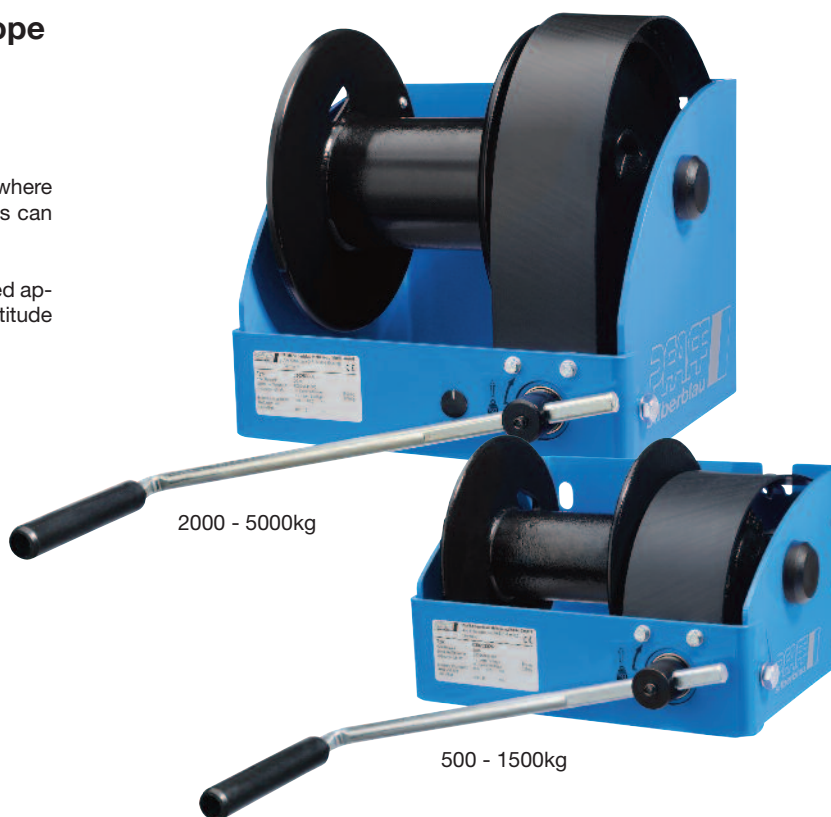
Capacities: 250 - 5000kg

Heavy-duty wire rope winch suitable for use in areas where electricity isn't available or where electrical appliances can not be safely operated.

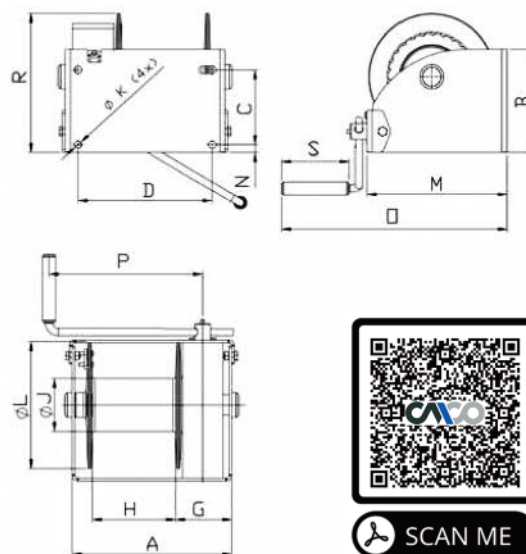
Can also act as a reliable manual back-up for a powered appliance. Ideal for use in theatres, sports halls and a multitude of industrial applications.

Features and benefits include:

- 2 lifting speeds on 2000kg+ models.
- Compact design, robust fabricated steel frame, suitable for wall-mounting.
- Machine-cut worm wheel & shaft, mounted bearings & worm gear drive.
- Lots of optional extras available including multi-compartment drums, grooved drums, free drum-spooling device, controlled free spooling, air motor and zinc-plated.



Model	SGO 250	SGO 500	SGO 1000	SGO 1500	SGO 2000	SGO 3000	SGO 5000
Art. no.	40251003	40252026	40253006	40253000	30254002	30255009	30256013
A, mm	238	269	302	302	410	436	436
B, mm	145	160	195	250	310	365	425
C, mm	100	115	141	178	196	251	316
D, mm	192	223	254	254	360	386	386
G, mm	106	107	110	111	137	137	137
H, mm	102	131	160	160	176	204	204
J, mm	48	70	102	102	137	165	219
K, mm	14	14	17	17	25	25	25
L, mm	160	190	240	240	312	376	437
M, mm	191	221	266	278	383	443	495
N, mm	15	15	15	15	45	47	60
O, mm	354	384	429	441	-	-	-
P, mm	280	325	350	350	380	380	380
R, mm	171	192	264	306	420	427	604
S, mm	130	130	130	130	220	220	220



Article Number		40251003	40252026	40253006	40253000	30254002	30255009	30256013
Lifting capacity - 1 st layer	kg	250	500	1000	1500	2000	3000	5000
- Upper layer	kg	92	224	527	846	1038	1667	3276
Wire rope Ø	mm	4*	6*	8*	10*	11*	14*	18*
Wire rope cap. - Upper layer	m	44	54	46	38	37	34	33
Lift per crank rotation	mm	17	20	13	9	5/12**	5/11**	3/13**
Crank effort - 1 st layer	daN	6	10	13	14	11/24**	14/31**	14/73*
Weight	kg	13	16	29	28	60	78	117
Price	£	£453.11	£413.16	£659.47	£959.73	£1897.61	£2249.18	£2969.80

*Recommended wire rope DIN 3060 FE-znK. **Low / high speed. • All Pfaff winches are supplied WITHOUT wire rope.
NB. Corrosion resistant versions are also available. Please call the Pfaff sales team for further details.

S20/S24 HAND OPERATED GEARBOXES



S20



S24

Drives: hand operated gearbox

Can be used as a rotary actuator, as a gearbox for cable winches or as a gearbox for chain drives.

- Easy and safe operation.
- Load is held securely due to self locking worm gear.
- Self locking.

Model: S20

With cast iron housing mounted into a rolled section fixing bracket. With machined worm wheel and hardened worm shaft running on bronze bushes.

Model: S24

With diecast aluminium housing suitable for use in hostile environments. Machined Phosphor Bronze worm wheel and hardened worm shaft fitted with teflon sintered bearings to reduce effort.

Model		S20	S24
Article no.		32626004	32626020
Ratio		20:1	24:1
Driving torque	daN m	12	36
Effort on crank	kg	11	22
Total shaft length	mm	196	200
Shaft diameter	mm	25	36
Hole distance	mm	170	135/60
Hole diameter	mm	13	13
Weight	k	5	8
Price	£	£293.70	£470.59

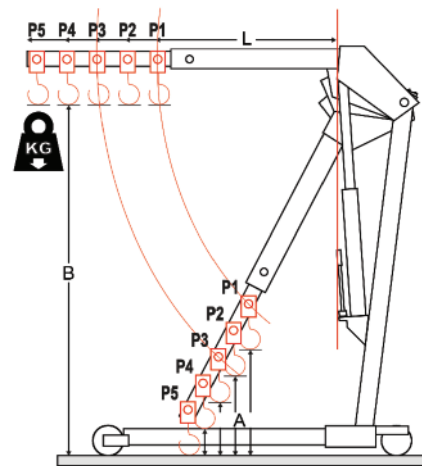
EC 'STANDARD' FOLDING ENGINE CRANE

Engine Crane

The EC Steerman engine crane features welded construction with rugged reinforced tubular steel.

The special hydraulic long rams are equipped with a patented built-in by-pass mechanism. The innovative design allows it to be quickly folded away for very easy transportation.

Ready to despatch straight off the shelf.

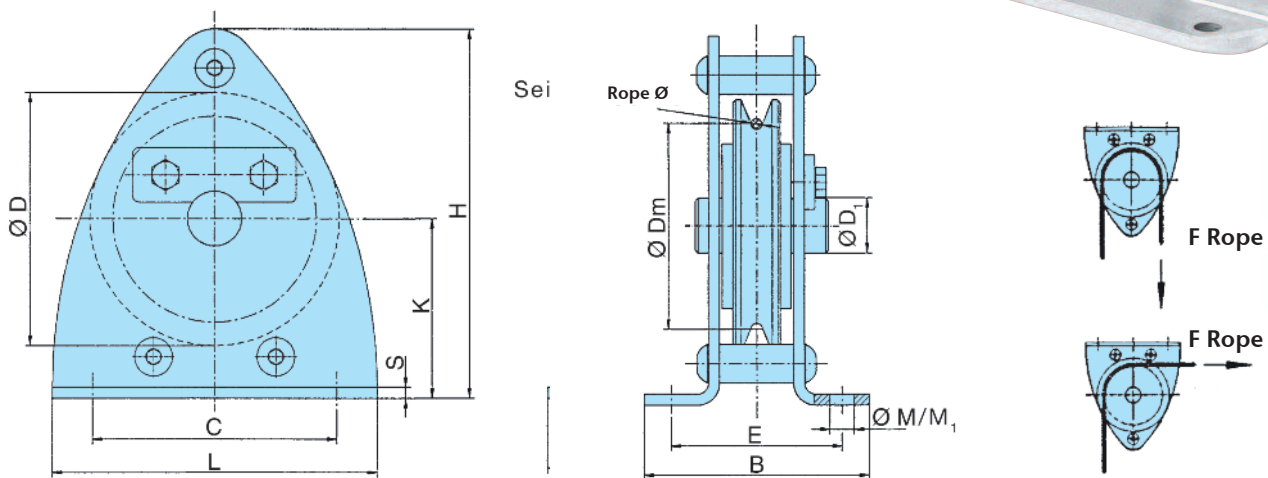


Model	Article number	Boom position (P)	Capacity kg	Min. hook height (A) mm	Max. hook height (B) mm	Boom length (L) mm	Weight kg	Price in kit form £
CR-1000 (44018)	N4300006215	P1	1000	439	1978	620	110	£528.57
		P2	900	341	2021	720		
		P3	800	243	2075	820		
		P4	700	145	2131	920		
		P5	600	0	2170	1020		

DSRB S SHEAVE BLOCKS

Wire rope sheave block for BETA PROLINE and SILVERLINE winches

Guiding with DSRB S wire rope sheave blocks for BETA PROLINE and SILVERLINE manual and electric rope winches. The dynamic all-rounder with variable rope and sheave diameters and cable deflections of up to 180° can move loads of up to 8 tonne with ease and absolute reliability. Typical for Pfaff is the high standard of quality: With a sheave block for manual and powered operation, equipped with grease-filled, sealed ball-bearings as standard. A carefully coordinated system of application-specific cable diameters and matching turned precision cable groove ensures that the unit is also wear-free.



Model	Article number	Rope Ø		D Ø	Dm Ø	Drive group	Max. tensile load kg at deflection		D ₁ Ø	L	C	H	B	E	S	K	M/M ₁ Ø	Price
		Manual winch mm	Electric winch mm				90°	180°										£
DSRB S 90/4	33447103	3-4	4	90	80	2m	700	500	20	120	90	134	85	62	4	65	9/9	£100.45
DSRB S 90/6	33447413	5-6	6	90	7	1Dm	700	500	25	120	90	134	85	62	6	65	9/9	£102.63
DSRB S 145/5	33447104	5	5	145	125	4m	1100	800	25	200	160	224	125	88	6	110	11.5/13	£172.51
DSRB S 145/6	33447105	6	6	145	125	2m	1100	800	25	200	160	224	125	88	6	110	11.5/13	£173.60
DSRB S 145/7	33447106	7	7	145	126	1Am	1100	800	25	200	160	224	125	88	6	110	11.5/13	£176.88
DSRB S 185/8	33447107	8	8	185	160	2m	2300	1630	30	245	195	273	138	106	8	135	13.5/15	£255.49
DSRB S 270/12	33447111	9-12	12	270	246	2m	2500	1800	40	360	290	407	191	138	10	202	18/20	£509.89
DSRB S 325/14	33447117	14	14	325	297	2m	4500	3200	50	440	350	490	260	180	12	242	22/25	£1172.63

Other size options are available upon request. Please call the Pfaff sales team for further details.

Additional accessories available on request:

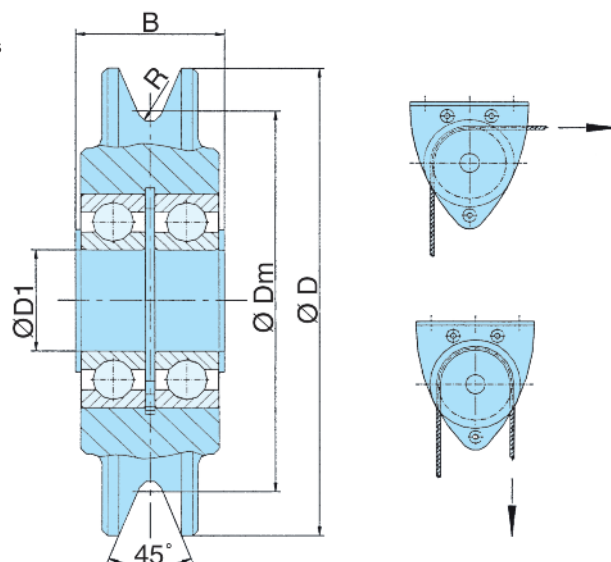
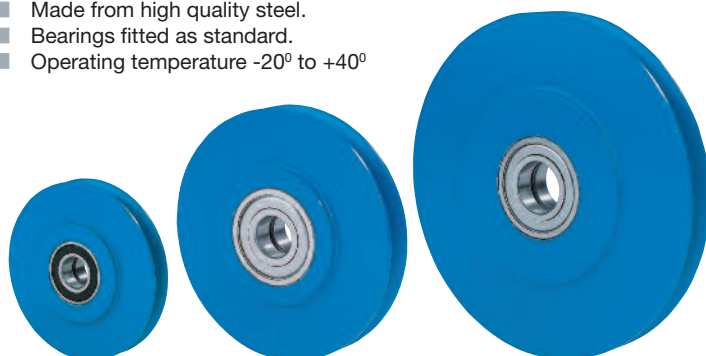
- Cable suspension gear (1 to 4-strand).
- Wire cable blocks with hooks and swivel eyes.
- Sling ropes with loops at both ends.
- Hinged wire cable blocks.
- Wire rope sheave block with plastic sheave.

DSR S SHEAVES

Pfaff's wire rope pulleys are available in a wide variety of sheave diameters from 145mm up to 490mm and wire rope diameters from 6mm to 18mm.

Features and benefits include:

- Wear resistant rope guide.
- Made from high quality steel.
- Bearings fitted as standard.
- Operating temperature -20° to +40°



Model	Article no.	D	Rope Ø	Dm	Drive group FEM	Tensile load kg at deflection		Ball bearing	D1 Ø	R	B	Price £
		mm	mm	mm		90°	180°		mm	mm	mm	
DSR S 145/5	33447204	145	5	125	2m	1100	800	6205ZZ	25	2.7	34	£75.35
DSR S 145/6	33447205	145	6	125	2m	1100	800	6205ZZ	25	3.2	34	£77.52
DSR S 185/8	33447207	185	8	160	2m	2300	1630	6306ZZ	30	4.2	42	£187.80
DSR S 270/10	33447209	270	10	245	3m	2500	1800	6208ZZ	40	5.3	41	£229.29
DSR S 270/12	33447211	270	12	246	2m	2500	1800	6208ZZ	40	6.5	41	£233.66
DSR S 325/14	33447217	325	14	297	2m	4500	3200	6310ZZ	50	7.5	60	£488.05
DSR S 400/18	33447214	400	18	364	2m	5000	3800	6310ZZ	50	9.7	61	£948.02

• Other size options are available upon request. Please call the Pfaff sales team for further details.

CABLES

Standard cables for Pfaff hand winches

Galvanized 6 x 19 design in accordance with DIN 3060, with fibre inlay. One end with pressed in thimble and ultra-strong safety hook, and point-cut (blunt) at the other. Please refer to the table below for the order number required, taking account of the cable diameter and length.

Rope Ø mm	DIN...	Calculated breaking strength kN	5 mtr	Rope lengths		20 mtr	Lifting capacity of eye hooks kg
				10 mtr	15 mtr		
4	... 3060	10.1	£22.93	£26.20	£30.57	£34.94	500
5	... 3060	15.8	£26.20	£30.57	£38.21	£43.68	1000
6	... 3060	22.8	£28.39	£36.03	£43.68	£50.23	1000
7	... 3060	31.0	£30.57	£38.21	£44.77	£52.41	1000
7	... 3069*	43.9	£33.82	£42.59	£52.41	£64.41	1600

*Cable with higher breaking strength for wire rope winch LB 1200kg.

Additional accessories available on request:

- Cable suspension gear (1 to 4-strand)
- Sling ropes with loops at both ends
- Wire rope sheave block with plastic sheave
- Wire cable blocks with hooks and swivel eyes
- Hinged wire cable blocks

BETA SL ELECTRIC WIRE ROPE WINCHES

BETA SL Electric winches

Capacities: 250 - 2000kg

Short delivery times are followed by long periods in operation: the electric wire rope winch BETA SL in its standard design works permanently reliably due to enclosed worm gear pairs or spur gears with high-quality brake motors.

The electric wire rope winches BETA SL are available with a contactor control system including a gear limit switch.



BETA SL0

Features and benefits include:

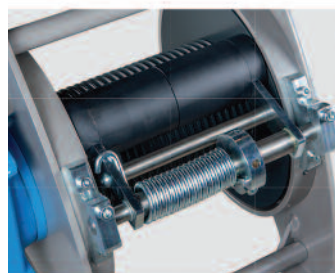
- Maintenance-free worm gear pairs or low-maintenance spur gear with milled and ground gears - running in an oil bath
- Very quiet running by diagonal interlock
- Electrically released spring-applied disc brake
- According to the accident prevention provisions BGV D8
- Range of temperature: -20°C – +40°C
- Powerful three-phase motor for multi-range voltage 380 – 420V / 50Hz or 440 – 460 V / 60Hz
- Electronic overload protection on units over 1000kg
- Range of temperature: -20°C – +40°C
- Duty ratio S3 – 40%
- Motor protection type IP55
- Grooved rope drum
- Large wire rope capacity
- Contactor control 42V
- Gear limit switch



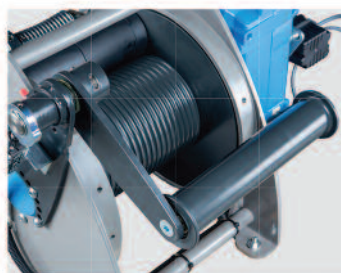
BETA SL1, SL2, and SL3



SCAN ME



Option: pressure roller



Option: slack rope switch



Option: control pendant



Option: frequency converter

Size	Capacity	Control	Type of operation
SL0	250kg	Control pendant	n/a
SL1	500/630kg	Control pendant or frequency converter	Pressure roller or slack rope switch, alternatively combination of pressure roller and slack-rope switch
SL2	980/1250kg	Control pendant or frequency converter	Pressure roller or slack rope switch, alternatively combination of pressure roller and slack-rope switch
SL3	2000kg	Control pendant or frequency converter	Pressure roller or slack rope switch, alternatively combination of pressure roller and slack-rope switch

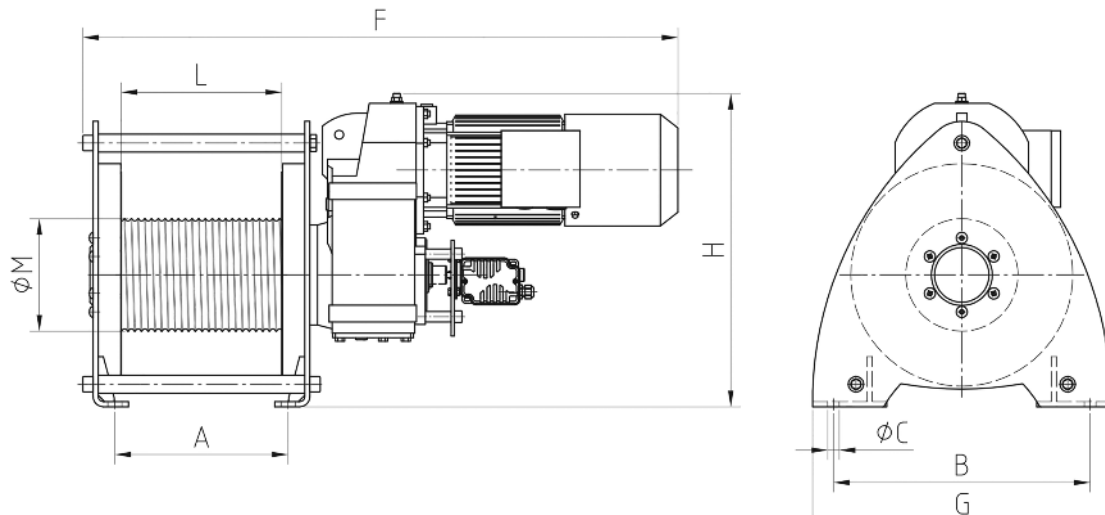
**recommended rope: DIN 3069 FE-znk-1960 sZ-spa*

• All Pfaff winches are supplied WITHOUT wire rope.

BETA SL ELECTRIC WIRE ROPE WINCHES

TECHNICAL DATA

BETA SL Electric winches
Capacities: 250 - 2000kg



Article number	Size	Capacity 1st layer kg	Rope speed 1st layer m/min	FEM	BGV	Power kW	Rec. rope strength	Rec. rope Ø*	Rope capacity	
Contactor control with geared limit switch									1st layer mtr	top layer mtr
Type code										
40063758	SL0	250	2.5	1 Bm	D8	400v	0.25	4	7	46.7
31140006	SL0	250	4.7	1 Bm	D8	400v	0.37	4	7	46.7
40062946	SL1	500	6.8	1 Am	D8	400v	0.75	6	6.7	48.9
40062989	SL1	630	6.8	1 Bm	D8	400v	0.75	6	6.7	48.9
40062990	SL2	980	6.0	1 Am	D8	400v	1.1	9	11	77.5
40062993	SL2	1250	6.0	1 Am	D8	400v	1.1	9	11	77.5
40062996	SL3	2000	6.8	1 Bm	D8	400v	2.2	12	10	74.5

*recommended rope: DIN 3069 FE-znk-1960 sZ-spa

• All Pfaff winches are supplied WITHOUT wire rope.

Article number	Size	Capacity 1st layer kg	Dimensions in mm								Price
Contactor control with geared limit switch			A	B	ØC	F	G	H	L	ØM	£
40063758	SL0	250	185	170	12	389	432	241	180	64	£3000.37
31140006	SL0	250	185	170	12	389	432	241	180	64	£2660.80
40062946	SL1	500	215	300	13.5	740	340	340	200	86	£3320.27
40062989	SL1	630	215	300	13.5	750	340	345	200	86	£3415.27
40062990	SL2	980	270	400	18	920	465	475	250	175	£4847.75
40062993	SL2	1250	270	400	18	930	465	480	250	175	£5935.23
40062996	SL3	2000	320	510	22	1070	570	614	300	175	£7337.14

*recommended rope: DIN 3069 FE-znk-1960 sZ-spa

• All Pfaff winches are supplied WITHOUT wire rope.

BETA EL ELECTRIC WIRE ROPE WINCHES

BETA EL Electric winches

Capacities: 320 - 7500kg

These robust and elegant electric wire rope winches BETA EL are used for lifting, lowering and pulling all types of loads in all applications.

The proven technology and the high quality standard of the electric wire rope winch BETA EL guarantee trouble-free, reliable and durable operation.

The construction kit system permits high flexibility: the electric wire rope winches BETA EL with their many options can be combined very well into an individual solution. The use of high-quality components offers safety and long service lives.



Features and benefits include:

- Maintenance-free worm gear pairs or low-maintenance spur gear with milled and ground gears – running in oil bath
- Very quiet running by diagonal interlock
- Electrically released spring-applied disc brake
- Duty ratio S3 – 40%
- Contactor control 42V
- Range of temperature: -20°C – +40°C
- Powerful three-phase motor for multi-range voltage
- 380 – 420V / 50Hz or 440 – 460V / 60Hz
- Motor protection type IP55
- Grooved wire rope drum
- Large wire rope capacity
- 2 rope fasteners for variable rope direction
- Modular construction system with many versions
- Electronic overload protection std. on capacities over 1000kg
- According to the accident prevention provisions BGV D8

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

Options:

- External operation via control pendant / radio
- Gear limit switch, adjustable
- Slack rope switch
- Rope pressure roller
- Special wire rope drums for multi-rope operation
- Drum extensions for higher stroke travel
- Special preservation
- Other operating voltages available
- Other motor protection types
- Absolute and incremental encoders
- Control with frequency converter for continuously adjustable variable speeds

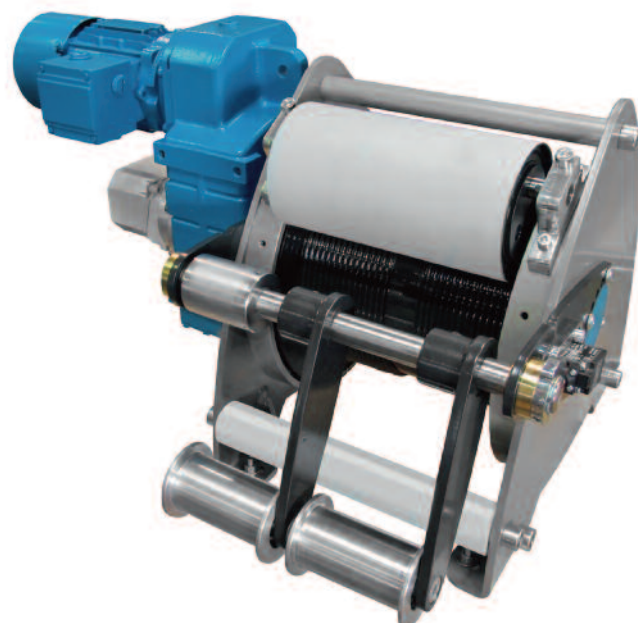
For determining the required rope length, please take into account that at least 2 to 3 windings must remain on the drum!



ATEX
Protection classification
See pages 18 & 19



SCAN ME

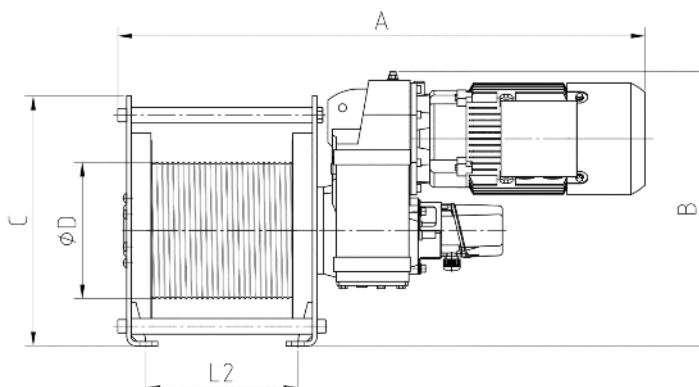


*** Please contact the sales team and ask for our Beta EL winch Questionnaire which must be filled in to enable us to provide you a quotation**

BETA EL ELECTRIC WIRE ROPE WINCHES

TECHNICAL DATA

BETA EL Electric winches
Capacities: 320 - 7500kg



Size	Cap. 1st layer kg	Rope speed 1st layer m/min	FEM	BGV	Power kW	Rec. rope strength	Rec. rope Ø* mm	Rope capacity		Weight kg	Dimensions in mm				
								1st layer mtr	top layer mtr		A	B	C	ØD	L2
EL1	320	5.9	2m	D8	0.37	1960	6	13.6	48.5	62	698	375	325	175	264
EL1	320	14.7	2m	D8	0.75	1960	6	13.6	48.5	67	767	375	325	175	264
EL1	320	27.4	2m	D8	1.5	1960	6	13.6	48.5	72	839	375	325	175	264
EL1	500	9.1	2m	D8	0.75	1960	6	13.6	48.5	67	767	375	325	175	264
EL1	500	16.6	2m	D8	1.5	1960	6	13.6	48.5	72	879	375	325	175	264
EL1	500	3.7	1Am	D8	0.37	1960	6	8.4	58.5	62	698	375	325	108	264
EL1	630	7.2	1Am	D8	0.75	1960	6	10.8	54.8	67	767	375	325	138	264
EL1	630	13.1	1Am	D8	1.5	1960	6	10.8	54.8	72	879	375	325	138	264
EL1	630	2.9	1Bm	D8	0.37	1960	6	6.7	48.9	62	698	375	325	86	264
EL2	800	5.5	2m	D8	0.75	1960	8	17.1	61.4	87	865	475	444	242	338
EL2	800	8.6	2m	D8	1.1	1960	8	17.1	61.4	92	937	475	444	242	338
EL2	800	20.6	2m	D8	3	1960	8	17.1	61.4	106	1042	475	444	242	338
EL2	980	4.0	1Am	D8	0.75	1960	9	11	77.4	87	865	475	444	175	338
EL2	980	6.3	1Am	D8	1.1	1960	9	11	77.4	92	937	475	444	175	338
EL2	980	14.9	1Am	D8	3	1960	9	11	77.4	106	1042	475	444	175	338
EL2	1250	3.2	1Bm	D8	0.75	1960	9	8.7	64.1	87	865	475	444	138	338
EL2	1250	5.0	1Bm	D8	1.1	1960	9	8.7	64.1	92	937	475	444	138	338
EL2	1250	11.8	1Bm	D8	3	1960	9	8.7	64.1	106	1042	475	444	138	338
EL3	1250	5.4	2m	D8	1.1	1770	12	16.3	61.3	142	1035	596	547	295	406
EL3	1250	11.2	2m	D8	2.2	1770	12	16.3	61.3	152	1136	596	547	295	406
EL3	1250	14.3	2m	D8	3	1770	12	16.3	61.3	156	1136	596	547	295	406
EL3	1600	4.0	1Am	D8	1.1	1960	12	12.1	87.7	142	1035	596	547	218	406
EL3	1600	8.3	1Am	D8	2.2	1960	12	12.1	87.7	152	1136	596	547	218	406
EL3	1600	10.6	1Am	D8	3	1960	12	12.1	87.7	156	1136	596	547	218	406
EL3	2000	3.2	1Bm	D8	1.1	1960	12	9.4	73.8	142	1035	596	547	175	406
EL3	2000	6.7	1Bm	D8	2.2	1960	12	9.4	73.8	152	1136	596	547	175	406
EL3	2000	8.6	1Bm	D8	3	1960	12	9.4	73.8	156	1136	596	547	175	406
EL3.5	2500	4.7	2m	D8	2.2	1960	14	13.8	53.9	193	1154	672	547	295	406
EL3.5	2500	9.2	2m	D8	4	1960	14	13.8	53.9	205	1119	672	547	295	406
EL3.5	3200	3.9	1Am	D8	2.2	2160	14	11.4	64.5	193	1154	672	547	242	406
EL3.5	3200	7.5	1Am	D8	4	2160	14	11.4	64.5	205	1119	672	547	242	406
EL4	3200	7.2	2m	D8	4	1770	18	15.6	37.8	370	1257	795	687	364	480
EL4	4000	5.8	1Am	D8	4	1960	18	12.7	73.9	370	1257	795	687	295	480
EL4	5000	4.8	1Bm	D8	4	1960	18	10.4	84.3	370	1257	795	687	242	480
EL5	5000	5.6	2m	D8	5.5	1960	20	20.3	48.7	878	1513	1033	844	451	568
EL5	6300	4.6	1Am	D8	5.5	2160	20	16.4	93.4	878	1513	1033	844	364	568
EL5	7500	3.7	1Bm	D8	5.5	2160	20	13.4	104.8	878	1513	1033	844	295	568

*recommended rope: DIN EN 12385-2 19x7 WC -B-sZ

• All Pfaff winches are supplied WITHOUT wire rope.

OMEGA MANUAL WIRE ROPE WINCHES

OMEGA Manual wire rope winches

Developed for special challenges: the OMEGA manual wire rope winch offers perfect functional safety in areas such as the ATEX (explosion protection) or off shore ones. The OMEGA BGV D8 and OMEGA OFFSHORE versions are prepared for manual operation and operation via an external motor-powered drive.

OMEGA BGV D8

- Carrying loads 1000 kg

OMEGA Offshore

- Carrying loads 800 kg
- External motorized drive possible

OMEGA ATEX

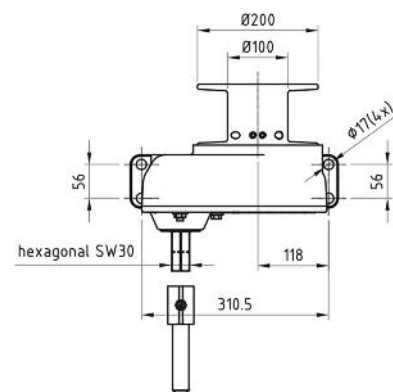
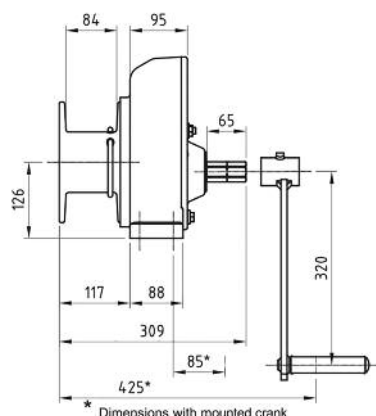
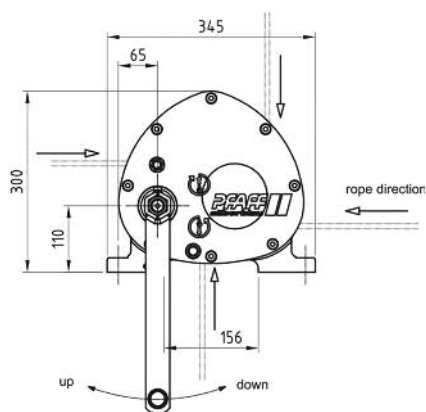
- Carrying loads 1000 kg
- Used in potentially explosive atmospheres requiring a high level of safety.



ATEX
Protection classification
See pages 18 & 19

Standard equipment

- Removable hand crank
- Encapsulated gearbox – running in oil bath
- High-quality painting to improve corrosion protection



Model	Article number	Capacity 1st layer kg	Capacity 4th layer top layer kg	Rope-Ø mm	Useable rope length 1st layer mtr	Useable rope length 4th layer mtr	Lift per crank rotation 1st layer mm	Lift per crank rotation 4th layer mm
OMEGA BGV D8	192010587	1000	692	8*	1.6	13.1	29	42
OMEGA Off shore	192010589	800	800	10**	1.2	4.3	30	35
OMEGA ATEX	192010588	1000	692	8*	1.6	13.1	29	42

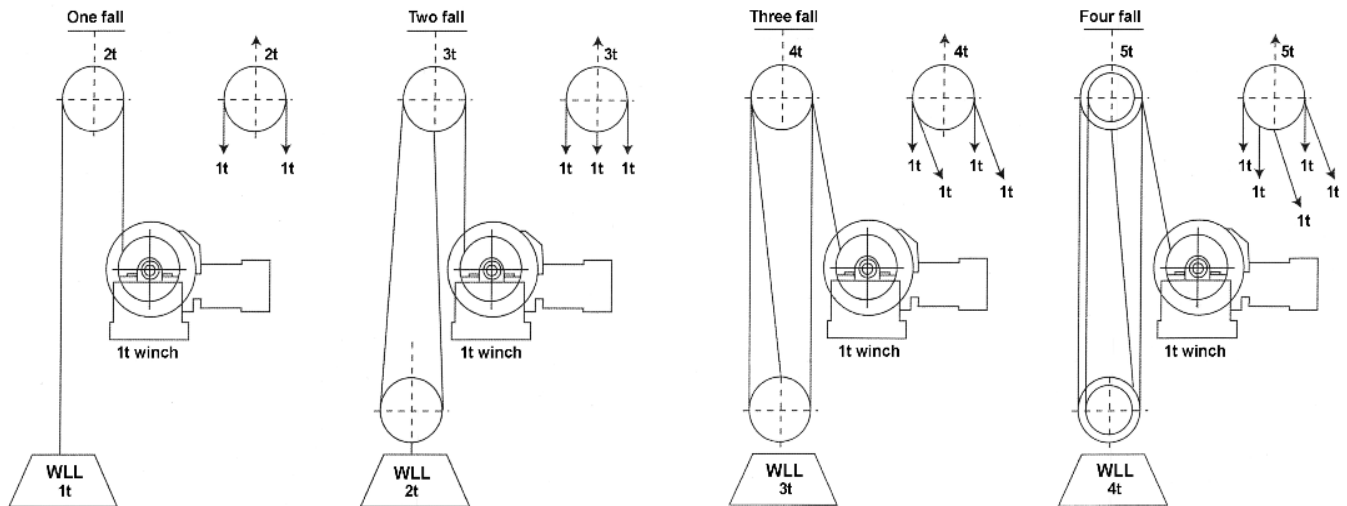
Model	Article number	Required crank effort full load daN	Driving torque Mta Nm	Max. load cycles p/hr full load mm	Input speed Mta 1/min	Duty ratio	Weight without rope max. kg	Price £
OMEGA BGV D8	192010587	17	54	-	100	S3-50%	38	POA
OMEGA Off shore	192010589	17	54	-	100	S3-50%	38	POA
OMEGA ATEX	192010588	17	3	3	-	-	38	£2587.66

*recommended rope: DIN 3069 SE 1960 N/mm²

**recommended rope: DIN 3069 SE 1770 N/mm²

CALCULATING WINCH LIFTING CAPABILITIES

Since the rope is continuous, from the drum to the attachment point, the load is always 1 tonne, no matter where measured. The head load is the number of line attachments at the head sheave x 1 tonne. All loads shown ignore frictional losses in the system.



DRIVE GROUP TO DIN 15020 - PART 1

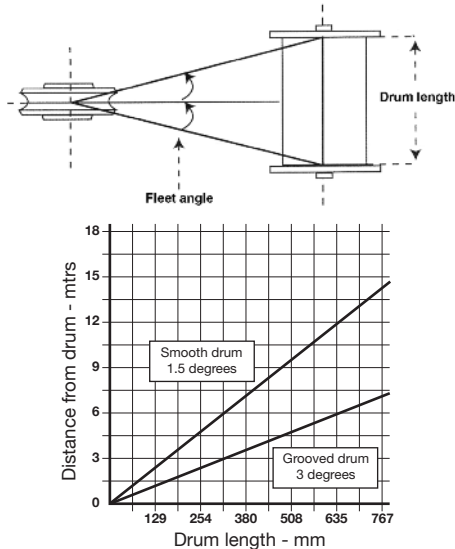
RUNNING TIME CATAGORY Running time per day in hrs related to one year	LIGHT Max load occurs only infrequently	MEDIUM Low, average. Max. load occurs with roughly equal frequency	HEAVY Max. load occurs almost continuously
V006 up to 0.125	1Em	1Em	1Dm
V012 up to 0.125	1Em	1Dm	1Cm
V025 up to 0.125	1Dm	1Cm	1Bm
V05 up to 0.125	1Cm	1Bm	1Am
V1 up to 0.125	1Bm	1Am	2m
V2 up to 0.125	1Am	2m	3m
V3 up to 0.125	2m	3m	4m
V4 up to 0.125	3m	4m	5m
V5 up to 0.125	4m	5m	5m

If the duration of an operating cycle is 12 minutes or longer, the rope may be graded once drive group lower than the drive group grading determined from the running time catagory and from the load collective.

FLEET ANGLE / SLOPES / RESISTANCE

• Calculating the fleet angle

Minimum distance from drum to first sheave or load connection - M.



• Slope & grade resistance

GRADE Percent per 100 horizontal feet	RESISTANCE kg pull per tonne to overcome resistance	GRADE Percent per 100 horizontal feet	RESISTANCE kg pull per tonne to overcome resistance
1	9	20	178
2	18	25	220
3	27	30	260
4	36	30	260
5	45	35	299
6	54	40	337
7	63	45	372
8	73	50	406
9	82	55	437
10	90	60	464
11	99	65	492
12	108	70	519
13	117	75	543
14	126	80	565
15	134	85	587
16	143	90	607
17	151	95	624
18	160	100	638
19	169		

STANDARD HAND PALLET TRUCKS

Pfaff-Silberblau Hand pallet trucks “Designed for the hire industry!”

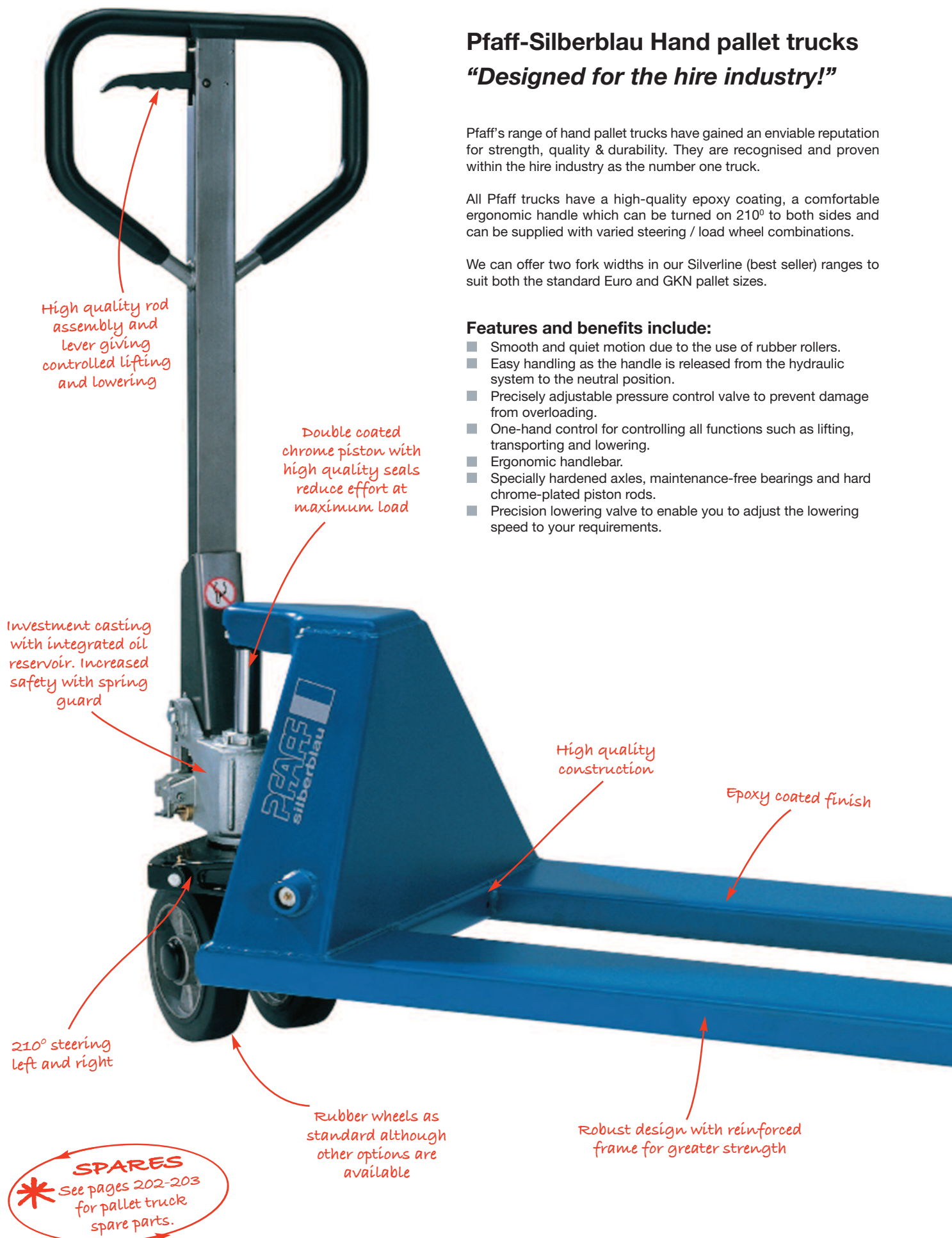
Pfaff's range of hand pallet trucks have gained an enviable reputation for strength, quality & durability. They are recognised and proven within the hire industry as the number one truck.

All Pfaff trucks have a high-quality epoxy coating, a comfortable ergonomic handle which can be turned on 210° to both sides and can be supplied with varied steering / load wheel combinations.

We can offer two fork widths in our Silverline (best seller) ranges to suit both the standard Euro and GKN pallet sizes.

Features and benefits include:

- Smooth and quiet motion due to the use of rubber rollers.
- Easy handling as the handle is released from the hydraulic system to the neutral position.
- Precisely adjustable pressure control valve to prevent damage from overloading.
- One-hand control for controlling all functions such as lifting, transporting and lowering.
- Ergonomic handlebar.
- Specially hardened axles, maintenance-free bearings and hard chrome-plated piston rods.
- Precision lowering valve to enable you to adjust the lowering speed to your requirements.

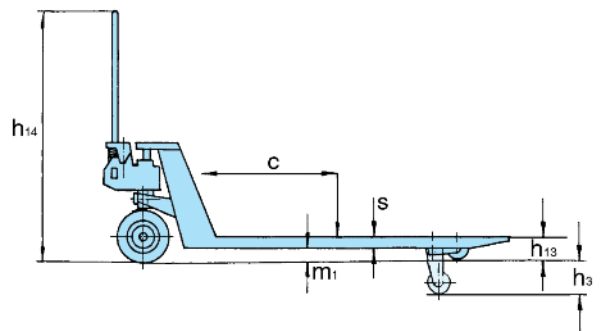
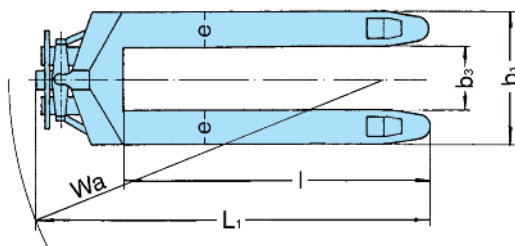


STANDARD HAND PALLET TRUCKS

Type	'Standard forks'		'Wide forks'		'Long forks'	
	Article no.	Price per truck £	Article no.	Price per truck £	Article no.	Price per truck £
Single unit (assembled)	N21225461	£385.41	N21225457	£412.71	N21225456	£614.70
Crate of 6 (flat packed)	N21225461X	£350.48	N21225457X	£377.77	-	-
Crate of 2 (flat packed)	-	-	-	-	N21225456X	£579.77
Single unit with brake fitted (assembled)	192083578	£494.60	192003545	£521.89	192036143	£723.89

Type			'Standard forks'	'Wide forks'	'Long forks'
Lifting capacity	tonne	-	2.5	2.5	2.0
Steering/load wheels*	-	-	SR / PUR	SR / PUR	SR / PUR
Wheel size (front)	mm	-	200 x 50	200 x 50	200 x 50
Load wheel size (rear)	mm	-	80 x 70	80 x 70	80 x 70
Number of wheels front/rear	-	-	2 / 4	2 / 4	2 / 4
Lifting height	mm	h^3	115	115	115
Load centre	mm	c	600	600	600
Height of steering handle	mm	h^{14}	1230	1230	1230
Fork height when lowered	mm	h^{13}	85	85	85
Total unit length	mm	L^1	1555	1555	2405
Useable fork length	mm	l	1150	1150	2000
Fork width	mm	e	160	160	160
Inside of forks	mm	b^3	220	365	220
Outside fork width	mm	b^1	540	685	540
Floor/ground clearance	mm	m^1	37	37	37
Weight	kg	-	68	73	92

*Solid rubber (SR), Polyamide (PA), Polyurethane (PUR).



Optional foot operated parking brake is available on all Pfaff hand pallet trucks.

Article no. 34527100900 £102.04

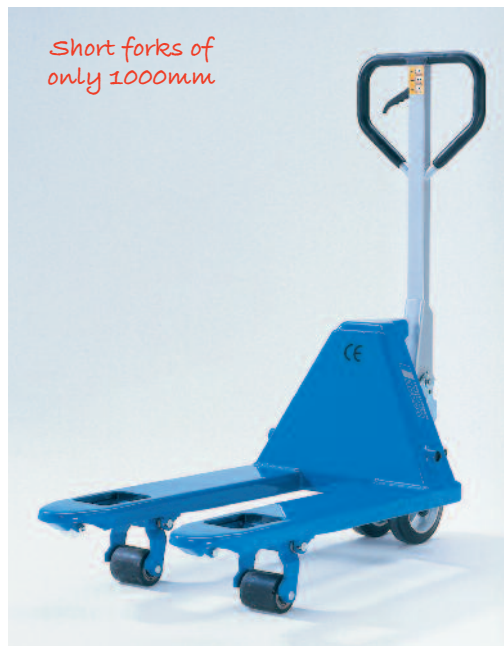
NON-STANDARD HAND PALLET TRUCKS

Non-standard hand pallet trucks

Pfaff have a range of hand pallet trucks that is second to none!

The units shown on the following two pages are just a sample of the variety of trucks we have available.

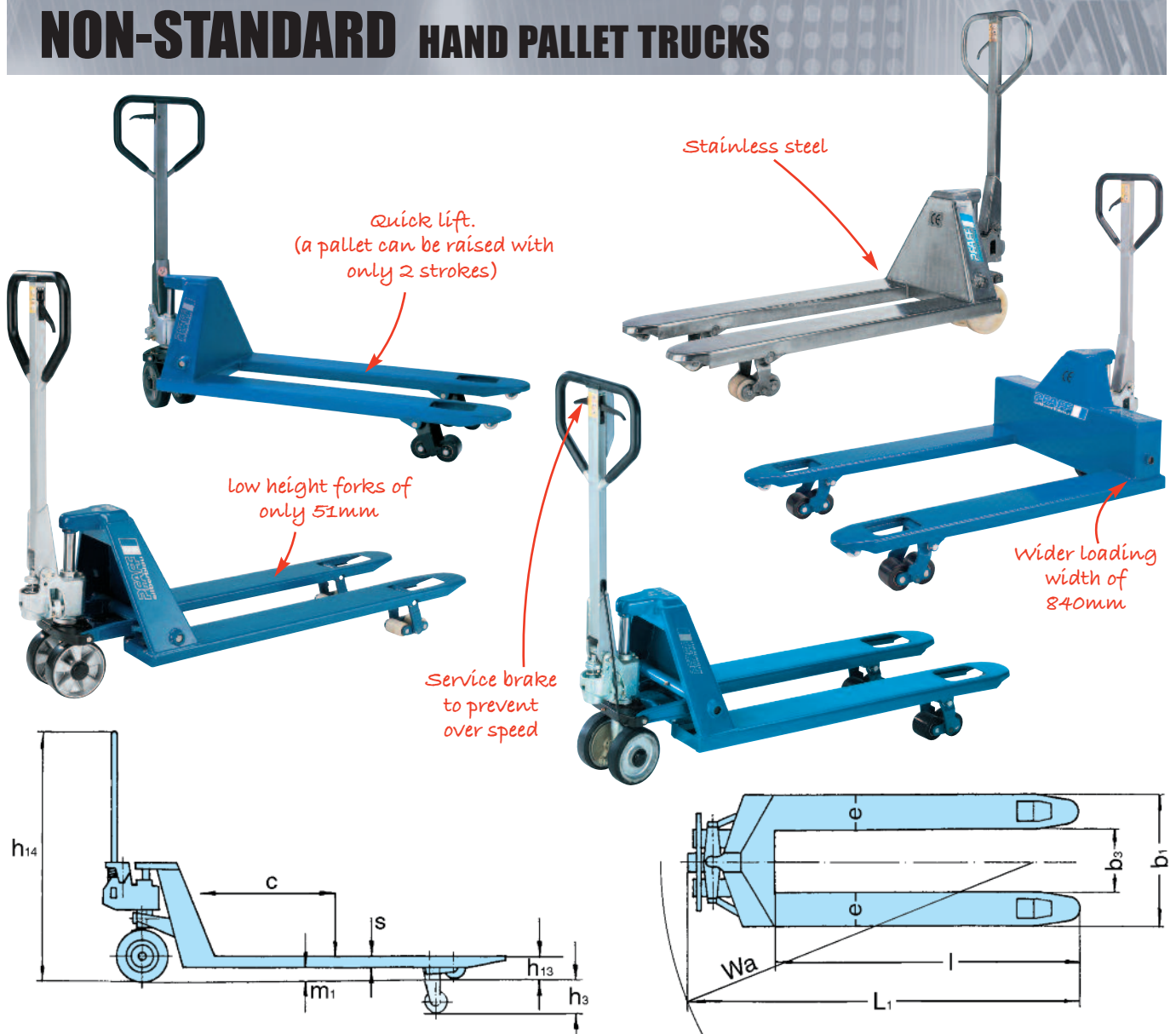
If you can not see a hand pallet truck shown below that suits your requirement please call the Pfaff sales team with the details and challenge us to provide you a solution!



Type			'Printers'	'Short fork'	'3 tonne'	'5 tonne'	'Weighing'
Article no.			40006498	N21225452	N21230415	34527058	40016431
Lifting capacity	t		1.5	2.5	3	5	2
Steering/load wheels*	-		PUR / PUR	SR / PUR	PUR / PUR	ST / ST	PUR / PUR
Wheel size (front)	mm		200 x 50	200 x 50	200 x 50	200 x 50	180 x 50
Load wheel size (rear)	mm		82 x 70	80 x 70	80 x 70	82 x 80	74 x 70
No. of wheels front/rear	-		2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Lifting height	mm	h3	115	115	115	110	110
Load centre	mm	c	450	500	600	600	600
Steering handle height	mm	h14	1200	1230	1230	1220	1210
Fork height lowered	mm	h13	85	85	85	90	85
Total unit length	mm	L1	1335	1405	1555	1535	1580
Useable fork length	mm	l	1150	1000	1150	1150	1150
Fork width	mm	e	160	160	160	210	180
Outside fork width	mm	b1	450	540	540	580	570
Floor/ground clearance	mm	m1	40	37	37	40	35
Weight	kg		80	66	70	240	129
Price	£		£478.23	£425.82	£436.73	£6981.20	£1673.79

*Solid rubber (SR), Polyamide (PA), Polyurethane (PUR), Steel (ST)

NON-STANDARD HAND PALLET TRUCKS



Type			'Extra wide'	'Stainless steel'	'Low profile'	'Service brake'	'Quick lift'
Article no.			34527132	40005740	34527124	34527135	N21225458
Lifting capacity	t		2	2.5	1.5	2.5	2
Steering/load wheels*	-		SR / PUR	PA / PA	PA / PUR	SR / PUR	SR / PUR
Wheel size (front)	mm		200 x 50	200 x 50	180 x 50	200 x 50	200 x 50
Load wheel size (rear)	mm		82 x 70	82 x 70	50 x 70	82 x 70	82 x 70
No. of wheels front/rear	-		2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Lifting height	mm	h3	115	115	115	115	115
Load centre	mm	c	600	600	600	600	600
Steering handle height	mm	h14	1200	1200	1220	1200	1200
Fork height lowered	mm	h13	85	85	51	85	85
Total unit length	mm	L1	1535	1535	1535	1535	1535
Useable fork length	mm	l	1150	1150	1150	1150	1150
Fork width	mm	e	160	160	160	160	160
Outside fork width	mm	b1	850	540	540	540	540
Floor/ground clearance	mm	m1	40	40	40	16	45
Weight	kg		112	86	84	86	86
Price	£		£767.56	£3334.49	£588.50	£664.93	£607.06

*Solid rubber (SR), Polyamide (PA), Polyurethane (PUR), Steel (ST).

EGU 15E **Li-ION** ELECTRIC PALLET TRUCK



EGU 15E **Li-ION** electric pallet truck

Lifting capacity 1500kg

Ideal for internal transport of palletised goods on even ground, covering short to medium distances. The EGU 15 E is the new generation of electric pallet trucks. With its compact dimensions and new Lithium battery, it is an ideal alternative to the standard pallet truck and, with only 123 kg service weight the perfect driving device on a truck.

Supplied as standard with a replaceable battery the discharged battery can be exchanged with a fully charged battery within seconds, minimising the amount of disruption to the work cycle. Charging time for the battery is only 2.5 hours.

Features and benefits include:

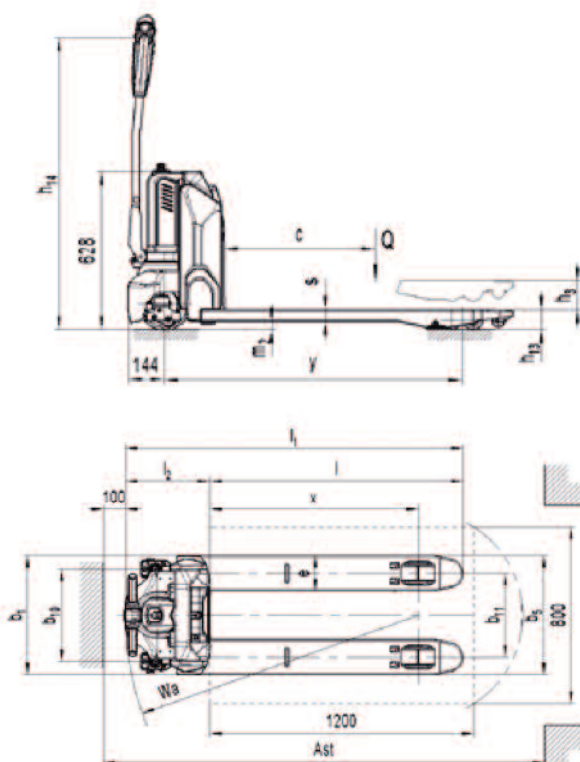
- Maintenance-free rechargeable Lithium battery.
- Integrated Battery management system controls all important parameters and performance of the lithium battery.
- Charging time of only 2.5 hours, intermediate charge is possible.
- Integrated PIN code panel with LCD display.
- Curtis-Controller and CAN-Bus technology.
- Infinitely variable driving speed.
- External battery charger for charging with a 230 V plug socket.
- Battery charge indicator and operating hour counter.
- Entry rollers ensure smooth entry into bottom-boarded pallets.

Scope of delivery:

- Maintenance free rechargeable Lithium battery 24 Volt/20 Ah (30 or 36 Ah as option)
- External charger

Type			EGU 15E Li-ION
Article no.			N23315461
Lifting capacity	kg		1500
Weight (with battery)	kg		123
Load centre	mm	c	600
Tyre type*	-		PUR / PUR
Steering rollers	mm		210 x 70
Load wheels	mm		80 x93
Stroke	mm	h3	115
Height of control handle	mm	h14	1160
Fork height lowered	mm	h13	85
Total unit length	mm	L1	1530
Overall fork width	mm	b5	540
Individual fork width	mm	e	160
Useable fork length	mm	l	1150
Aisle width pallet	mm	Ast	2000
Turning circle radius	mm	Wa	1330
Travel speed with/without load	km/h		4.6/4.8
Lowering speed with/without load	m/s		0.020/0.025
Gradient with/without load	%		5/10
Battery voltage	V/Ah		24/20
Battery weight	kg		30
Price	£		£3015.66

*Polyurethane.



EGU PS 14 ELECTRIC PALLET TRUCKS

EGU PS 14, 'Heavy duty' electric pallet truck Capacities: 1400kg

Pfaff offer a range of multi-purpose, heavy duty, electric pallet trucks for professional lifting tasks up to 1400kg. These units are robustly constructed, comfortable to drive and steer, and can operate in tight spaces given their compact housing chassis. The EGU PS 14 range really is designed for the professional user and is ideal for working on ramps and for loading/unloading container lorries.

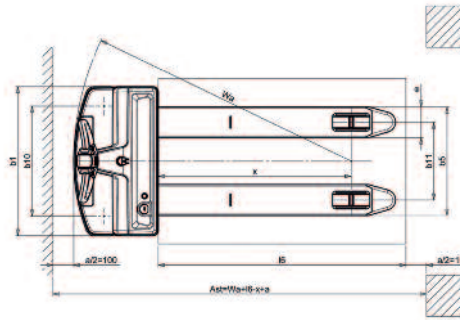
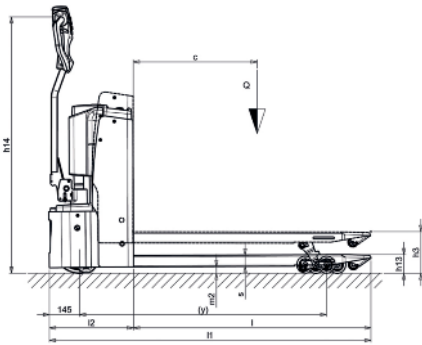
EGU PS 14 Basic - Entry level model with DC traction motor.

EGU PS 14 Plus - Uses the maintenance friendly AC traction motor for longer working periods.

EGU PS 14 Li-ION - Uses Li-ION battery which has a lifespan of up to 3000 charging cycles.

Features and benefits include:

- Multifunctional control handle for easy handling. The electric pallet lift truck will automatically be slowed down if the control handle in the operators hand.
- Impulse control for steppess regulation of driving speed.
- Slow moving function at upright handle position for the use in confined spaces.
- Battery size depends on the type of application.
- Anti-crush safety device on handle.



! All prices shown below are **INCLUSIVE** of battery and battery charger.

Type			EGU PS 14 Basic	EGU PS 14 Plus	EGU PS 14 <i>Li-ION</i>
Article no.			192062096	192062097	192062098
Lifting capacity	kg		1400	1400	1400
Drive			Electric	Electric	Electric
Load centre	mm	c	600	600	600
Tyre type*	-		VG/PUR	VG/PUR	VG/PUR
Steering rollers	mm		250 x 76 + 100 x 40	250 x 76 + 100 x 40	250 x 76 + 100 x 40
Load wheels	mm		82 x 80	82 x 80	82 x 80
Stroke	mm	h3	115	115	115
Fork height, maximum	mm	h15	200	200	200
Steering handle height	mm	h14	1230	1230	1230
Fork height lowered	mm	h13	85	85	85
Total unit length	mm	L1	1560	1560	1560
Overall fork width	mm	b5	525	525	525
Individual fork width	mm	e	150	150	150
Useable fork length	mm	l	1150	1150	1150
Aisle width pallet	mm	Ast	1810	1810	1810
Turning circle radius	mm	Wa	1345	1345	1345
Travel speed with/without load	km/h		4.4/4.8	6.0/6.0	6.0/6.0
Lowering speed with/without load	m/s		0.05/0.04	0.05/0.04	0.05/0.04
Gradient with/without load	%		5/10	5/10	5/10
Battery			Starter	AGM	Li-ION
Battery voltage	V/Ah		24/70	24/85	24/50
Weight (with battery)	kg		227	256	212
Price	£		£5018.09	£5836.96	£7617.75

*Polyurethane (PUR), Solid Rubber (VG).

HV HYDRAULIC HAND STACKERS

HV 0516, HV 1008 and HV 1016 hydraulic hand stackers Capacities: 500 - 1000kg

Manual drive and manual lifting

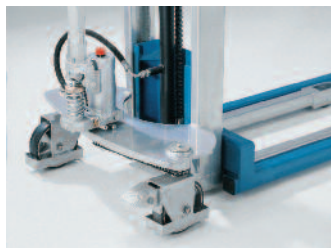
Range of sturdy, versatile hydraulic manual drive/lift stackers with variable features.

Features and benefits include:

- HV 0516 is compact and easy to manoeuvre with lifts up to 500kg.
- HV 1008 offers 900mm lift height.
- HV 1016 offers 1600mm lift height.



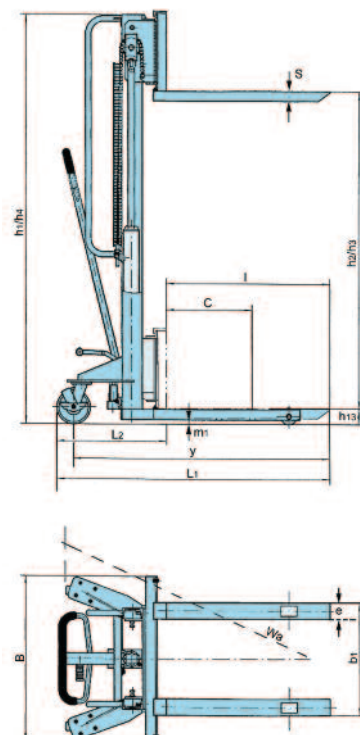
HV 0516



HV 1016

Type			HV 0516	HV 1008	HV 1016
Article no.			40005551	34518032	34518030
Lifting capacity		kg	500	1000	1000
Steering/load wheels*			NYL/PUR	PUR/PUR	PUR/PUR
Wheel size front		mm	150 x 40	180 x 50	180 x 50
Load wheel size rear		mm	80 x 35	80 x 55	80 x 55
Number of wheels front/rear			2/2	2/2	2/2
Closed mast height	h1	mm	2000	1300	1965
Load centre	c	mm	600	600	600
Free lift	h2	mm	1520	810	1510
Mast height extended	h4	mm	2000	1300	1965
Wheelbase	y	mm	1630	1075	1075
Fork height (maximum)	h3+h13	mm	1600	900	1600
Fork height (lowered)	h13	mm	80	90	90
Total unit length	L1	mm	1690	1675	1675
Total unit width	B	mm	800	765	765
Useable fork length	l	mm	1150	1122	1122
Fork widths x height	e x s	mm	100 x 45	60 x 60	60 x 60
Outside dimension of forks	b1	mm	200 - 770	570	570
Floor/ground clearance	m1	mm	25	25	25
Turning radius	Wa	mm	1500	1445	1445
Weight		kg	217	179	205
Price		£	£989.20	£1308.02	£1094.02

*Polyurethane (PUR), Nylon (NYL).



EGV PSL II PEDESTRIAN ELECTRIC DRIVE STACKERS

Capacity: 1200kg, fork height max. 3500mm

Features and benefits include:

- The wide mast and the laterally, ergonomic tiller ensure a free view onto the goods as in front of the stacker.
- All functions are comfortably controlled from the tiller head.
- The reduced overall width of 800mm improves the handling of goods in narrow spaces and corridors.
- Ultra-slow drive function enables exact driving in very tight spaces.
- Easy maintenance - the convenient access opening at the bottom of the forklift allows an immediate disassembly of motor wheel without lifting the machine.
- Improved drive and lifting speed.
- The spiral charging cable which can be stored in the chassis enables easy charging at every socket.

Type		EGV PSL 1235 II
Article no.		192033616
Lift capacity	kg	1200
Height, mast retracted	mm	2250
Free lift	mm	80
Stroke	mm	3410
Height, mast extended	mm	3916
Fork height max.	mm	3500
Fork height lowered	mm	915/1390
Overall unit length	mm	1760
Overall unit width	mm	800
Fork height	mm	70
Fork width	mm	150
Fork length	mm	1150
Outside dimension of forks	mm	560
Aisle width pallet	mm	2210
Turning circle radius	mm	1430
Price	£	£6775.94

Supplied complete with 24v/85Ah batteries and charger, as standard. Semi traction battery available as optional extra.



PRAKTIKUS HP TROLLEY LIFT

Capacity: 400kg

Simple, lightweight and sturdy trolley lift offering a chrome-plated chassis, 2 fixed and 2 steering rollers and a wheel brake. In addition, the HP offers a hydraulic foot pump enabling smooth control of loads, enhanced by a hand-wheel operated valve.

A versatile and reliable unit for use in workshops, warehousing and packing environments.

Model		HP 0412
Article no.		40008779
Lift capacity	kg	400
Platform width	mm	550
Platform length	mm	650
Platform height*	mm	1200
Weight	kg	71
Price	£	£584.13

**Maximum. NB: Shipped on a EURO PALLET.*



HX SCISSOR LIFT TABLES

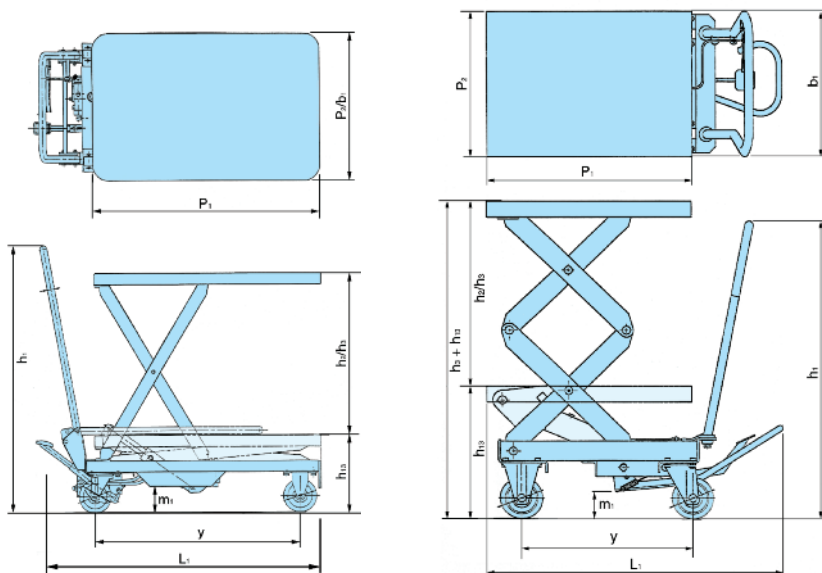
HX 150, HX 300, HX 500, HX 750 and HX-D 0350 scissor lift tables Capacities: 150 - 750kg

Workshop platform with adjustable height, suitable for all manufacturing, packing and workshop applications.

Features and benefits include:

- Five models offering 150 - 750kg lifting capacities and 220 - 1000mm lift heights.
- Hydraulic foot pumps lift the table with minimal effort.
- Hand-wheel operated hydraulic valve precisely and safely lowers load.
- Lockable wheel feature for added stability and safety.
- HX-D 0350 offers double-scissor feature.
- HX-D 0350 has greater lifting potential, up to 1.3mtr.

 Note: Lowering action is via a cable rather than knob shown in photographs.



HX 150, HX 300, HX 500 and HX 750

HX-D 0350



HX 750



HX-D 350

Type			HX 150	HX 300	HX 500	HX 750	HX-D 0350
Article no.			34600020	40057357	40057358	40057360	40057361
Lifting capacity		kg	150	300	500	750	350
Wheel size		mm	100 x 36	128 x 40	128 x 40	147 x 50	128 x 40
Rollers			PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR
Overall unit height	h1	mm	960	984	984	990	965
Overall unit length	L1	mm	908	1093	1093	1330	1140
Max. height of platform	h3+h13	mm	720	880	880	1000	1300
Min. height of platform	h13	mm	220	285	285	420	370
Platform length	P1	mm	700	850	850	1000	910
Platform width	b1	mm	450	500	500	510	500
Floor/ground clearance	m1	mm	26	53	53	72	31
Lift height per pump stroke		mm	27	31	31	15	21
Weight		kg	49	78	82	120	136
Price		£	£341.75	£510.98	£526.27	£559.02	£639.82

*Polyurethane (PUR).

HIGH LIFT HAND PALLET TRUCKS



Scissor pallet truck with manual-hydraulic lift or electric-hydraulic lift option

Capacity: 1000kg Fork height: 800mm

A combination of hand pallet truck and elevating platform for the transport and raising of palletised loads to various departments. Manual and electric options are available.

HU HS 10 B (Manual/hydraulic lift) features:

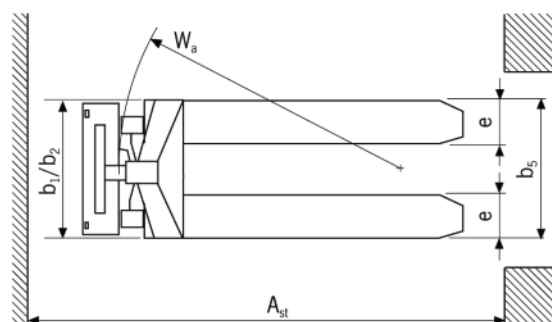
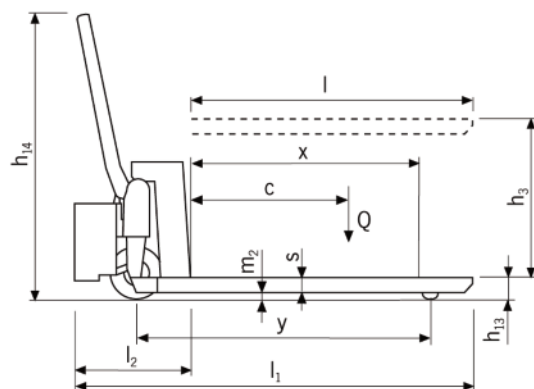
- Safety control handle with the functions:
 - Quick lift - lifting - lowering -
- Lowering speed can be finely metered for sensitive lowering of the load.
- One-stage hydraulic for increased robustness.
- Quick lift for loads up to 250kg.
- Overload protection by pressure relief valve.
- Safety supports guarantee sure standing when the forks are raised.
- Low noise and smooth running with standard tyres: steer rollers and load rollers - polyurethane.

HU ES 10 B (Electric/hydraulic lift) features:

- Increases the usefulness of the HU HS 10 A by saving operating time for demanding applications with frequent lifting and lowering operations.
- Ergonomic control button for the hydraulic unit fitted in the handle.
- In the case of battery failure the manual use of lifting and lowering is still guaranteed.
- Quick electric-hydraulic lifting of the load, pressure relief valve protects against overloading.
- Low noise and smooth running due to polyurethane steering and load rollers as standard.
- Additional tilting protection for the load rollers.
- Comes complete with battery and battery charger.

Model			HU HS 10 B	HU ES 10 B
Article no.			N26600020	N26900020
Lift capacity	Q	kg	1000	1000
Load centre	c	mm	600	600
Weight		kg	122	152
Tyre type**			PUR/PUR	PUR/PUR
Steering rollers		mm	180 x 50	180 x 50
Load rollers		mm	75 x 50	75 x 50
No. of wheels/load rollers			2 / 2	2 / 2
Stroke	h3	mm	715	715
Max. height of handle	h14	mm	1254	1254
Fork height lowered	h13	mm	85	85
Overall length	l1	mm	1725	1715
Overall width	b1/b2	mm	575	575
Fork height	s	mm	45	45
Fork width	e	mm	160	160
Fork length	l	mm	1170	1170
Outside fork dimension	b5	mm	540	540
Ground clearance	m2	mm	18	18
Aisle width pallet	Ast	mm	1986	1986
Turning circle radius	Wa	mm	1564	1564
Battery charger		V/A	-	220 / 6
Battery voltage, capacity	k5	V/Ah	-	12 / 52
Price		£	£749.00	£2107.25

**Polyurethane (PUR).



ZWW-L / ZWW WALL MOUNTED RACK AND PINION JACK

**HIGHER
CAPACITIES**

ZWW-L / ZWW, wall-mounted rack and pinion jacks

Capacities: 300 - 10000kg

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

Features and benefits include:

- Robust steel design with precisely machined worm and spur gears for smooth and easy manual operation.
- Solid steel rack with additional bore hole for fastening of the load.
- Low wear owing to hardened gearing parts and precisely machined teeth.
- Suitable for a lifting load of up to 1200 kg for pushing and pulling loads.
- Rigid wall mounting.

Options

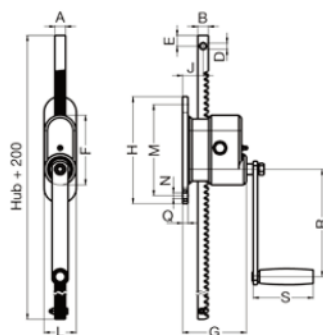
- Rack extensions
- Special fastening arrangements for shaft and rack
- Improved corrosion protection owing to zinc-plating.
- With folding handle.



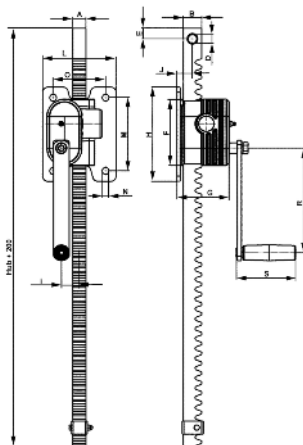
DIMENSIONS

Model	ZWW-L 300	ZWW-L 600	ZWW-L 1200	ZWW 1500	ZWW 3000	ZWW 5000	ZWW 10000
A, mm	20	20	25	35	45	50	60
B, mm	20	25	35	25	30	40	50
C, mm	—	—	—	215	280	330	380
D Ø, mm	11	13	16.5	21	21	21	30
E, mm	16	20	20	20	25	25	30
F, mm	130	130	127	135	165	140	160
G, mm	119	119	98	151	212	219	269
H, mm	200	200	180	310	395	400	480
I, mm	—	—	35	168	179	197	200
J, mm	38	35	30	26	31	37	40
K, mm	—	—	—	100	120	120	140
L, mm	60	60	140	130	160	160	180
M, mm	170	170	140	260	305	320	410
N Ø, mm	11	11	13	13	15	17	21
O, mm	—	—	100	110	120	105	125
P, mm	—	—	—	40	50	50	60
Q, mm	10	10	—	8	10	10	10
R, mm	200	250	200	250	250	250	300
S, mm	110	110	110	130	130	130	250
T, mm	—	—	—	42	86	109	150
U, mm	—	—	—	43	53	70	88
X, mm	—	—	—	20	25	45	30

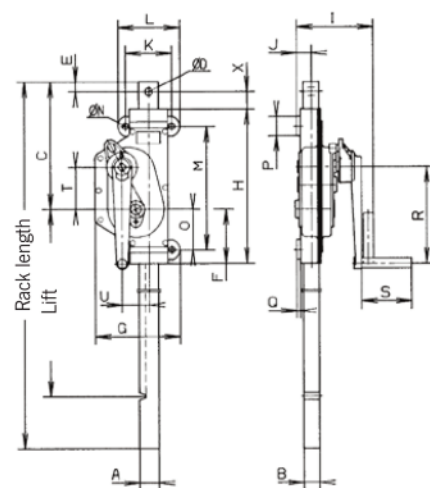
ZWW-L / ZWW WALL MOUNTED RACK AND PINION JACKS



Model ZWW-L
Capacity 300 and 600kg



Model ZWW-L
Capacity 1200kg



Model ZWW
Capacity 1500 -10000kg

MODEL: ZWW-L, TECHNICAL DATA / PRICES

Model	Article no. WORM GEAR	Tensile or pressure kg	Rack length mm	Lift mm	Hand effort at WLL daN	Weight kg	Price £
ZWW-L 300/600	N01905011	300	600	400	10	5.4	£317.73
ZWW-L 300/800	N01905013	300	800	600	10	5.9	£323.18
ZWW-L 300/1000	N01905016	300	1000	800	10	6.4	£327.55
ZWW-L 600/400	N01905012	600	600	400	15	6.0	£326.46
ZWW-L 600/600	N01905014	600	800	600	15	6.5	£331.91
ZWW-L 600/800	N01905017	600	1000	800	15	7.0	£351.57
ZWW-L 600/1000	N01905020	600	1200	1000	15	7.5	£369.04
ZWW-L 600/1200	N01905023	600	1400	1200	10	8.0	£390.88
ZWW-L 1200/800	N01905015	1200	800	600	14	9.5	£483.68
ZWW-L 1200/1000	N01905018	1200	1000	800	14	10.6	£508.80
ZWW-L 1200/1200	N01905021	1200	1200	1000	14	11.7	£535.00

MODEL: ZWW Sifeku, TECHNICAL DATA / PRICES

Model	Article no. SIFEKU	Tensile or pressure kg	Rack length mm	Lift mm	Hand effort at WLL daN	Weight kg	Price £
ZWW 1500/800	40055131	1500	1090	800	28	11	£521.90
ZWW 3000/565	40056138	3000	975	565	28	19	£626.71
ZWW 5000/700	40057134	5000	1170	700	28	28	£690.04

MODEL: ZWW Siku, TECHNICAL DATA / PRICES

Model	Article no. SIKU	Tensile or pressure kg	Rack length mm	Lift mm	Hand effort at WLL daN	Weight kg	Price £
ZWW 10000/700	40058009	10000	1240	700	40	55	£1084.20

SCH-W SLUICE GATE JACKS

SCH-W, sluice gate jack systems with rack and pinion drive Capacities 1500 - 10000kg

Sluice gate systems are used primarily in water power, agriculture and plant engineering. Different crank types and layouts present hundreds of possible arrangements.

Features and benefits include:

- Spring loaded safety crank provides pressure when required.
- 10000kg model supplied with a SIKU crank, others supplied with a SIFEKU crank.
- Slide lacquer treated racks.
- Spur gear with formed gearwheels.
- Precisely milled crank gear.

Options:

- Extended rack lengths.
- Galvanised finish.



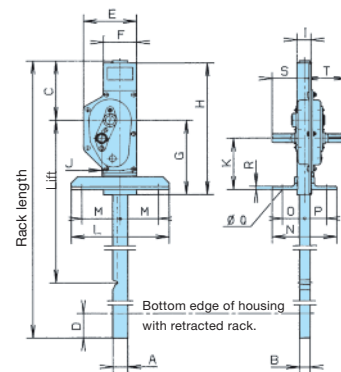
Article no.		40051714	40051717	40051720	40051722
Crank type		Sifeku	Sifeku	Sifeku	Siku
Lifting capacity	kg	1500	3000	5000	10000
Pressure force*	kg	300	600	3000	6000
Rack length	mm	1200	1250	1350	1550
Lift	mm	800	800	900	1000
Weight	kg	18	25	32	56
A	mm	35	45	50	60
B	mm	25	30	40	50
C	mm	140	160	145	165
D	mm	85	60	45	65
E	mm	125	204	189	235
F	mm	78	92	100	112
G	mm	175	230	260	320
H	mm	310	395	400	480
I	mm	33.5	39.5	51	59
J	mm	43.3	53.1	69.5	88.3
K	mm	121	138	81	84
L	mm	230	230	230	290
M	mm	90	90	90	115
N	mm	153	158	173	183
O	mm	52.5	55	61	66
P	mm	52.5	55	64	70
QØ	mm	14	14	14	14
R	mm	7	7	7	8
S	mm	76.5	85.5	88	100
T	mm	100.5	108.5	120	140
U	mm	113	121	132	185
V	mm	86	94	105	-
W	mm	136	144	155	-
X	mm	130	130	130	250
Y	mm	250	250	250	300
Price	£	£780.66	£1037.25	£1089.66	£1435.77

*Load case II according to Euler – the pressure force will be reduced with higher lift.

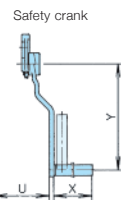
3000kg



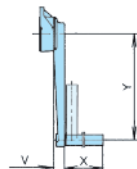
1500 - 3000kg



Crank design

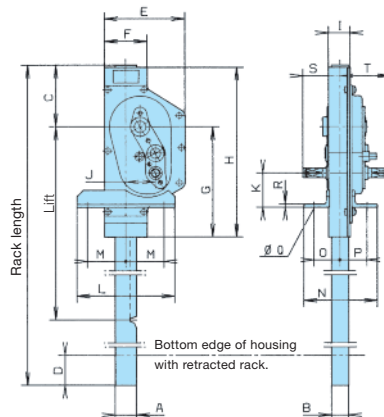


Spring loaded safety crank.



Spring loaded safety lock and plug-in crank.

5000 - 10000kg



SIFEKU SAFETY RATCHET CRANKS

Safety ratchet crank (SIFEKU)

Cast aluminium crank with folding handle. Spring operated load pressure brake is silent in operation and weather-resistant, no ratchet required. 250mm radius for use on jacks up to 5000kg capacity.

Features and benefits include:

- Without pawl - silent in operation.
- Recoil proof.
- Maintenance free.
- Totally enclosed.
- Weather and temperature resistant.
- Braking effect at both ends.
- At every height the load is securely held in the pushing and pulling direction
- With folding handle.

Article number	Square drive (mm)	Crank length (mm)	Weight (kg)	Price
40004581	14	250	1.6	£120.10
40003433	17	250	1.6	£113.55



Sifeku

SIKU SAFETY RATCHET CRANKS

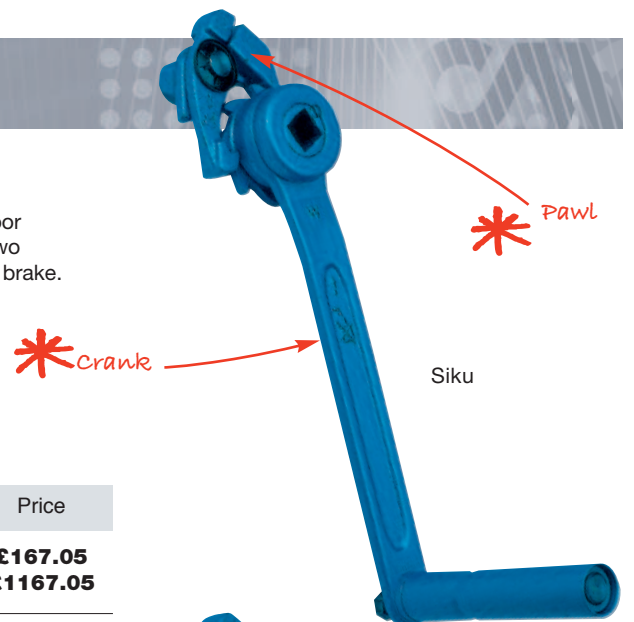
Safety ratchet crank (SIKU)

This crank is used with a double acting pawl assembly and is suitable for indoor applications. The crank is of cast steel with folding handle and incorporates two conical nylon or brass brake discs, dependant on duty, which act as a friction brake. Two versions are available: 14mm or 17mm square hole.

Features and benefits include:

- With one-sided braking effect.
- The load is held securely at every height.
- With folding handle.

Article number	Square drive (mm)	Crank length (mm)	Weight (kg)	Price
40006026	14	250	1.2	£167.05
40005461	17	250	1.2	£1167.05



Siku

RAKU SAFETY RATCHET CRANKS

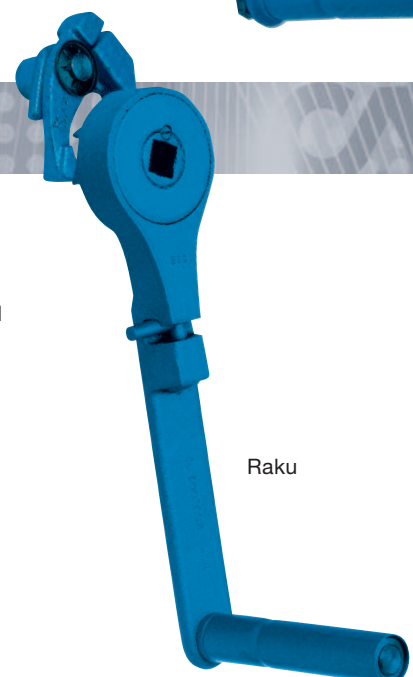
Safety ratchet crank (RAKU)

Similar to the SIKU crank this unit has a selector unit which allows either the raise or lower positions to be selected. The crank can either be turned through 360° (as the SIKU crank) or operated in short ratchet type movements which is especially suited for use in confined spaces. Two versions are available: 250mm or 300mm crank length.

Features and benefits include:

- The load is securely held at every height.
- Lift by moving the ratchet upwards and downwards.
- Adjust the lifting or lowering movement by moving a lever.
- With folding handle.

Article number	Square drive (mm)	Crank length (mm)	Weight (kg)	Price
40004840	17	250	1.9	£196.53
40008213	17	300	3.5	£205.27



Raku

 Note: Pawl NOT supplied with Ratchet Cranks as standard.

STW-F 'PROLINE' STEEL JACKS (FIXED CLAW)

Steel jacks with FIXED lifting claw

Capacities: 1500 - 10000kg

Quality steel jacks used for lifting all types of loads across varying industries including ship repair, construction, maintenance and agriculture.

Load can be positioned on the head or the claw.

A very long service life is ensured via a robust steel housing and high quality spur gear, precise worked crank gear as well as additional worked pawl.

Pfaff steel jacks are supplied with SIKU braked safety crank fitted as standard. SIFEKU and RAKU cranks are available on request.

Article no.		40021975	40021984	40051705	40051707
Lifting capacity	kg	1500	3000	5000	10000
Minimum head height	mm	720	720	720	792
Minimum claw height	mm	60	61	62	85
Lift	mm	350	350	300	300
Weight	kg	12	21	26	42
Price	£	£347.20	£366.86	£526.27	£941.16



STW-V STEEL JACKS (ADJUSTABLE CLAW)

Steel jacks with ADJUSTABLE lifting claw

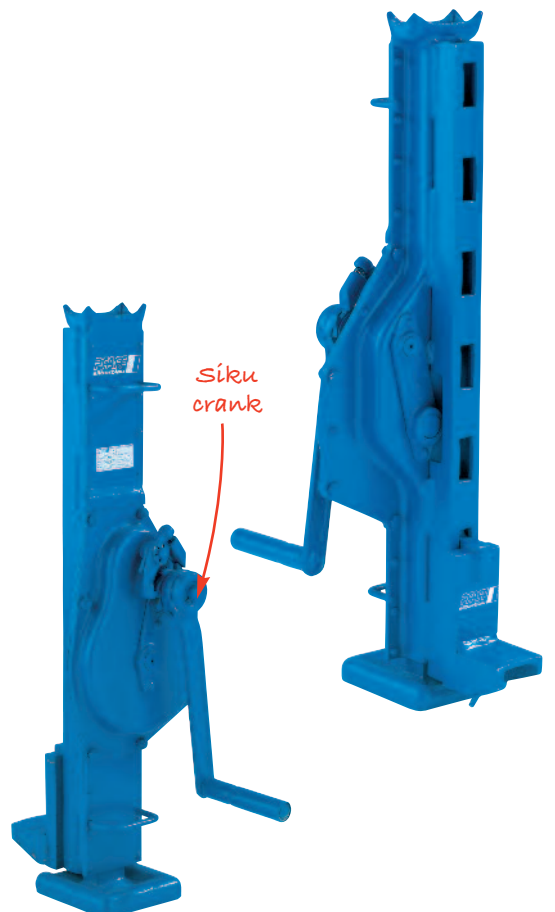
Capacities: 3000 - 10000kg

Steel jacks with adjustable lifting claw designed for use in confined or tight areas. High quality spur gear and robust steel housing offer long service life.

The crank handle, in different executions, moves the jack shaft at the rack. The toe height of the claw can be adjusted to the required mounting or maintenance application.

Pfaff steel jacks are supplied with SIKU braked safety crank fitted as standard. SIFEKU and RAKU cranks are available on request.

Article no.		N01905001	N01905002	N01905003
Lifting capacity	kg	3000	5000	10000
Minimum head height	mm	720	720	792
Claw height - 1	mm	69	62	85
Claw height - 2	mm	166	159	191
Claw height - 3	mm	263	256	297
Claw height - 4	mm	360	353	403
Claw height - 5	mm	457	450	509
Claw height - 6	mm	554	547	615
Lift	mm	350	300	300
Weight	kg	25	30	48
Price	£	£530.63	£648.55	£1063.45

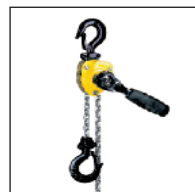


SPARE PARTS



YALE ERGO 360
→ 750, 1500, 3000, and 6000kg

125 - 129



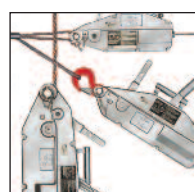
C/D PUL-LIFTS
→ 750, 1500, 3000, and 6000kg

130 - 133



HANDY RATCHET LEVER HOISTS
→ 250 and 500kg

134 - 135



PT RATCHET LEVER HOISTS
→ 800, 1600, 3200, and 6300kg

136 - 139



UNOplus - *SERIES A* RATCHET LEVER HOISTS
→ 750, 1500, 3000, and 6000kg

140 - 143



YALETRAC ALUMINIUM CABLE PULLERS
→ 800, 1600, and 3200kg

144 - 149



YALELIFT HAND CHAIN HOISTS (MK III)
→ 500, 1000, 2000, 3000, 5000, and 10000kg

150 - 155



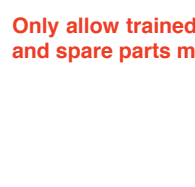
VSIII HAND CHAIN HOISTS
→ 250, 500, 1000, 2000, 3000, and 5000kg

156 - 163



CPV/F ELECTRIC CHAIN HOISTS
→ 250, 500, 1000, 2000, 2500 and 5000kg

164 - 180



PENDANT CONTROLS AND CABLE
→ To suit all electric chain hoists

181

CM LODESTAR ELECTRIC CHAIN HOISTS
→ 250, 500, 1000, 2000, and 3000kg

182 - 185

CPS ELECTRIC CHAIN HOISTS
→ 125 and 250kg

186 - 187

TPM MAGNET SPARES
→ 100, 300, 500, 800, and 1000kg

188

STEERMAN LOAD MOVING SKATES
→ 10, 20, 30, and 60 tonne

189 - 192

92 SERIES VERTICAL PLATE LIFTING CLAMPS
→ 500, 1500, 2000 and 3000kg

193

CZ VERTICAL PLATE LIFTING CLAMPS
→ 1000, 2000, 3000, 4000 and 6000kg

194

CY 'HINGED' VERTICAL PLATE LIFTING CLAMPS
→ 1000, 2000 and 3000kg

195

CX 'HINGED' VERTICAL PLATE LIFTING CLAMPS
→ 1500, 3000 and 6000kg

196

LJ 'NON-MARKING' PLATE CLAMPS
→ 500 and 1500kg

197

CP PILE PITCHING CLAMPS
→ 2000, 3000, and 5000kg

198

TTR GIRDER STACKING CLAMPS
→ 750, 1500, and 3000kg

199

CR RAIL CLAMPS
→ 1000, and 2000kg

200

LB WIRE ROPE WINCH
→ 650kgs

201

SILVERLINE PALLET TRUCK
→ 2500kg

202 - 203

LOAD AND HAND CHAINS
→ All models

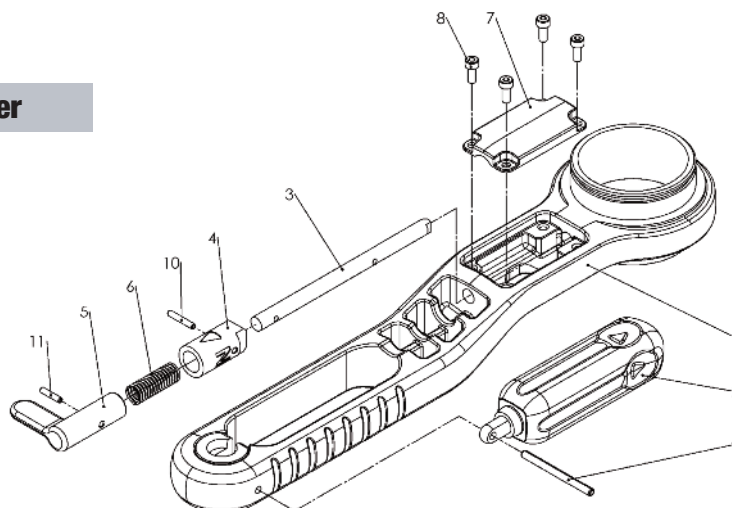
204 - 205

Only allow trained technicians to perform maintenance on CMCO products using genuine CMCO spare parts. Operating instructions and spare parts manual can be download from www.cmco.eu. For additional information please contact the sales team.

NOTES

Yale *ERGO 360* 750 & 1500KG RATCHET LEVER HOISTS

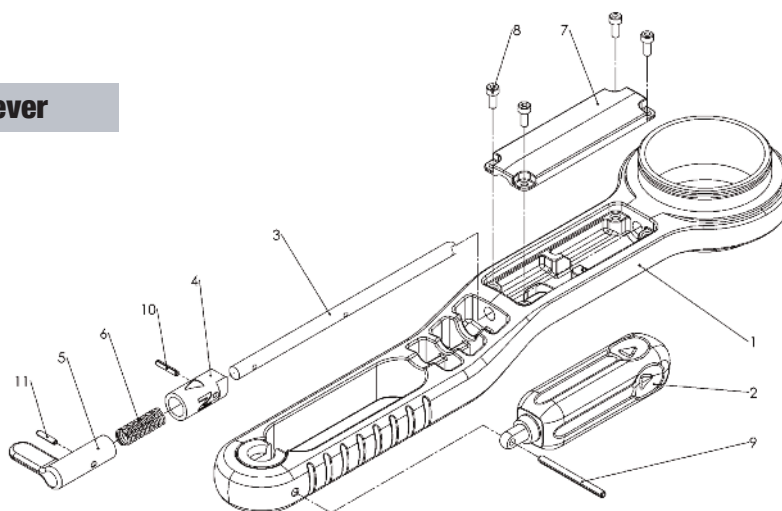
Lever



Item	Description	Article no.	Quantity
1	Lever	192021108	1
2	Retractable handle, assy.	192022617	1
3	Ratchet rod	192021090	1
4	Selector	192022619	1
5	Switch lever	192022608	1
6	Pressure spring	N00205708	1
7	Cover	192021105	1
8	Cylinder screw	N09105028	4
9	Slotted spring pin	N09134070	1
10	Slotted spring pin	N09124017	1
11	Slotted spring pin	N09134071	1

Yale *ERGO 360* 3000 & 6000KG RATCHET LEVER HOISTS

Lever



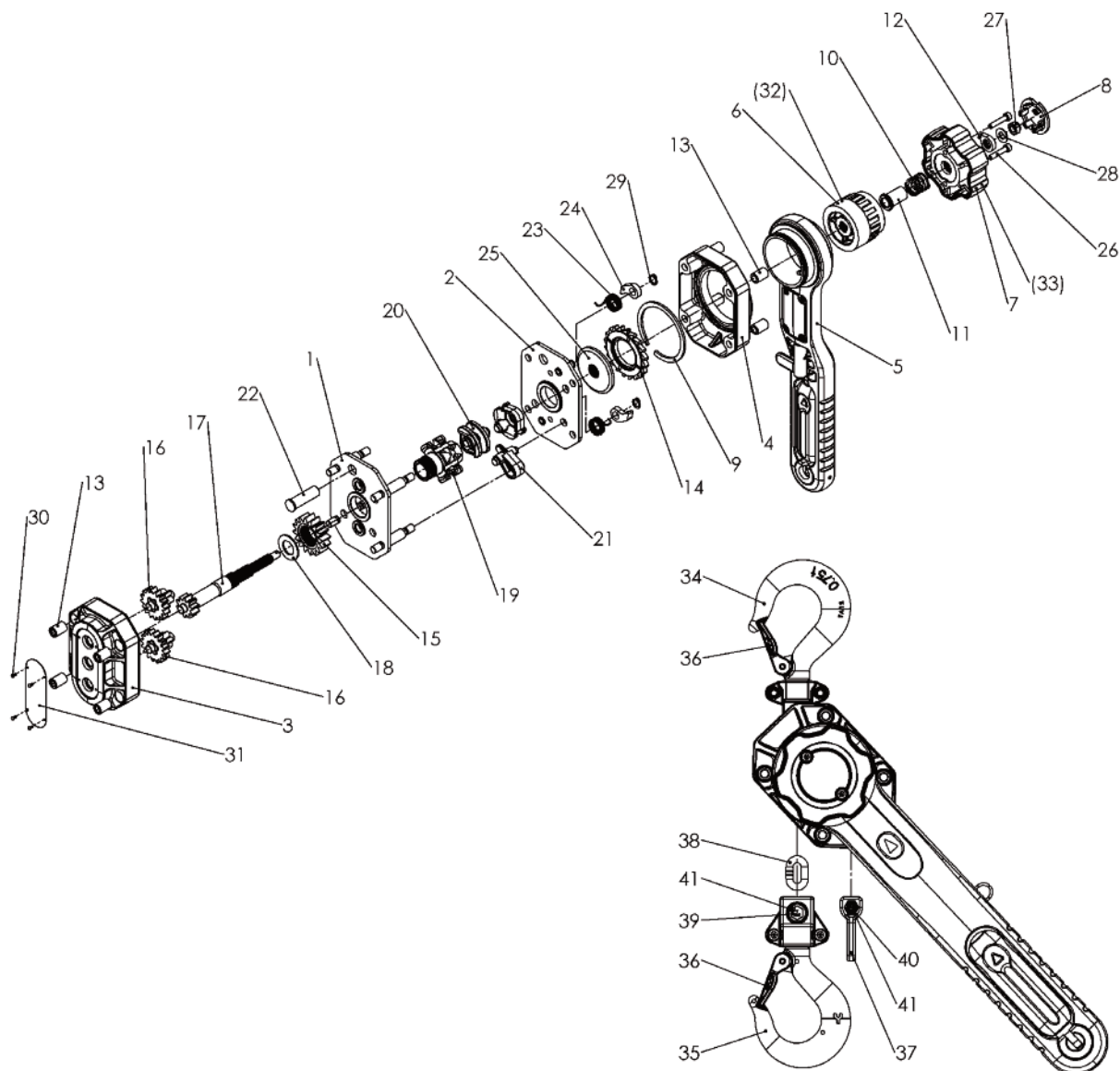
Item	Description	Article no.	Quantity
1	Lever	192021126	1
2	Retractable handle, assy.	192022617	1
3	Ratchet rod	192021139	1
4	Selector	192022619	1
5	Switch lever	192022608	1
6	Pressure spring	N00205708	1
7	Cover	192021133	1
8	Cylinder screw	N09105028	4
9	Slotted spring pin	N09134070	1
10	Slotted spring pin	N09134017	1
11	Slotted spring pin	N09134071	1

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yale *ERGO* 360 750KG RATCHET LEVER HOIST



Item	Description	Article no.	Qty.
1	Gear side plate, assy.	192021100	1
2	Lever side plate, assy.	192021101	1
3	Gear case, assy.	192021096	1
4	Housing cover	192021160	1
5	Lever handle, assy.	192021109	1
6	Change over gear	192022609	1
7	Hand wheel	192021055	1
8	Cap	192021092	1
9	Snap ring	192021097	1
10	Pressure spring	192021106	1
11	Collar bushing	192021089	1
12	Check washer	192021088	1
13	Cylinder nut	192021083	8
14	Ratchet disc, assy.	192038558	1 ✓
15	Load gear	N00002009	1
16	Spur gear, assy.	N00002005	2
17	Drive shaft	N00002008	1
18	Drive shaft washer	N00002239	1
19	Lead sheave	N00002016	1
20	Guide	N00002017	2
21	Stripper	N00002018	1

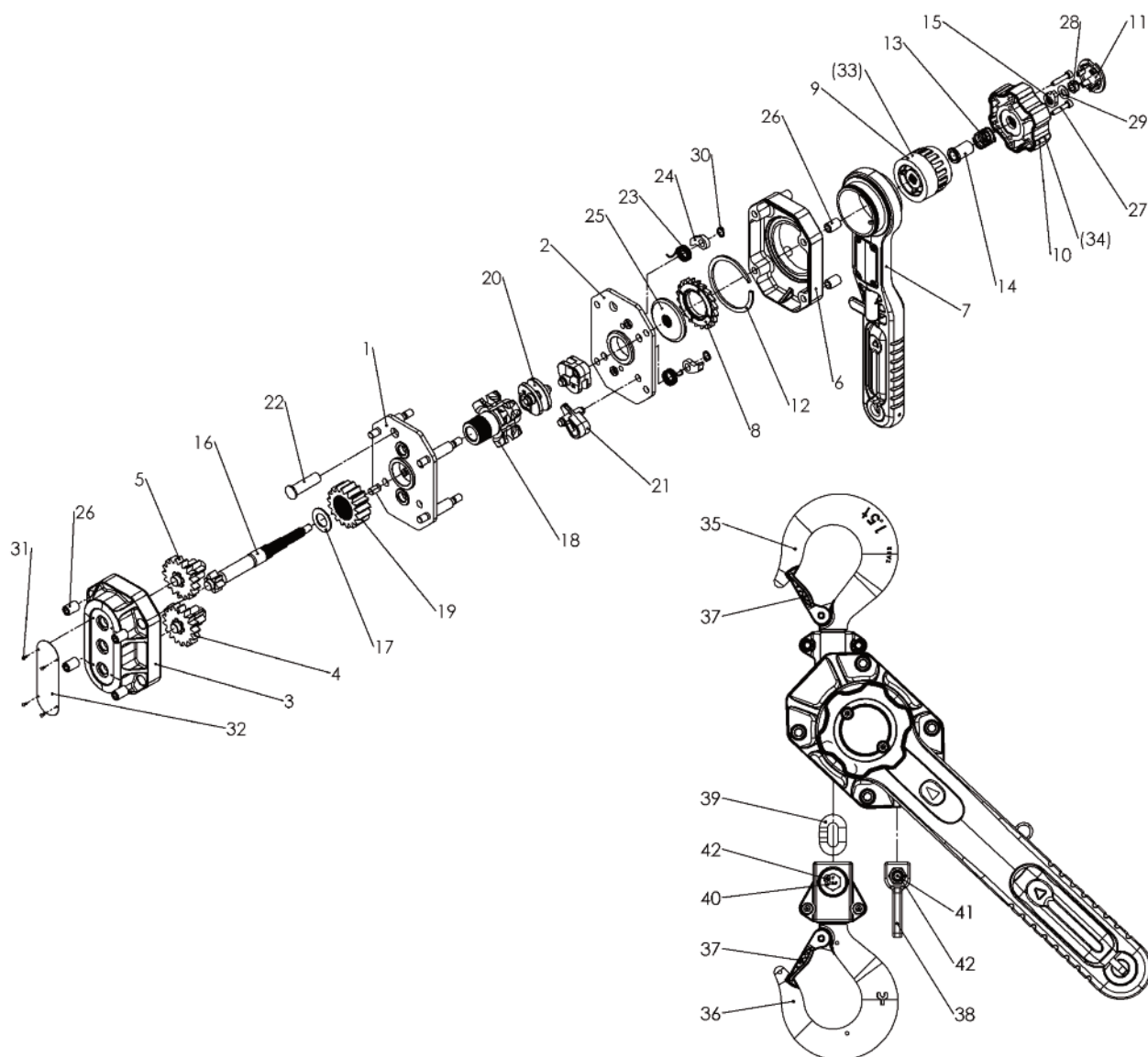
Item	Description	Article no.	Qty.
22	Top hook shaft	N00002034	1
23	Pawl spring	N00002201	2
24	Pawl	N00002202	2
25	Disc hub	N00002203	1
26	Cylinder screw	N09102063	2
27	Lock nut	N09115098	1
28	Washer/	N09121001	1
29	Snap ring	N09129055	2
30	Round head grooved pin	N09128001	4
31	Name plate	192021084	1
32	Overload limiter, assy.	192028885	1
33	Hand wheel, black	192028323	1
34	Top hook, assy.	192028508	1
35	Lower hook, assy. (incl. 39 + 41)	192028509	1
36	Latch kit, assy.	C53820	2 ✓
37	Lock ring	N80175060	1
38	5.6 x 17 mm load chain	N02109357	mtr
39	Lower hook chain bolt	N00002036	1
40	Lock ring screw	N80175061	1
41	Lock nut	N09115135	2

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yale *ERGO* 360 1500KG RATCHET LEVER HOIST



Item	Description	Article no.	Qty.
1	Gear side plate, assy.	192021063	1
2	Lever side plate, assy.	192021062	1
3	Gear case, assy.	192021059	1
4	Spur gear, assy.	N00002105B	1
5	Spur gear, assy.	N00002105A	1
6	Housing cover	192021056	1
7	Lever handle, assy.	192021109	1
8	Ratchet disc, assy.	192038558	1 ✓
9	Change over gear	192022609	1
10	Hand wheel	192021055	1
11	Cap	192021092	1
12	Snap ring	192021097	1
13	Pressure spring	192021106	1
14	Collar bushing	192021089	1
15	Check washer	192021088	1
16	Drive shaft	N00002108	1
17	Drive shaft washer	N00002239	1
18	Load sheave	N00002117	1
19	Load gear	N00002109	1
20	Guide	N00002120	2
21	Stripper	N00002121	1

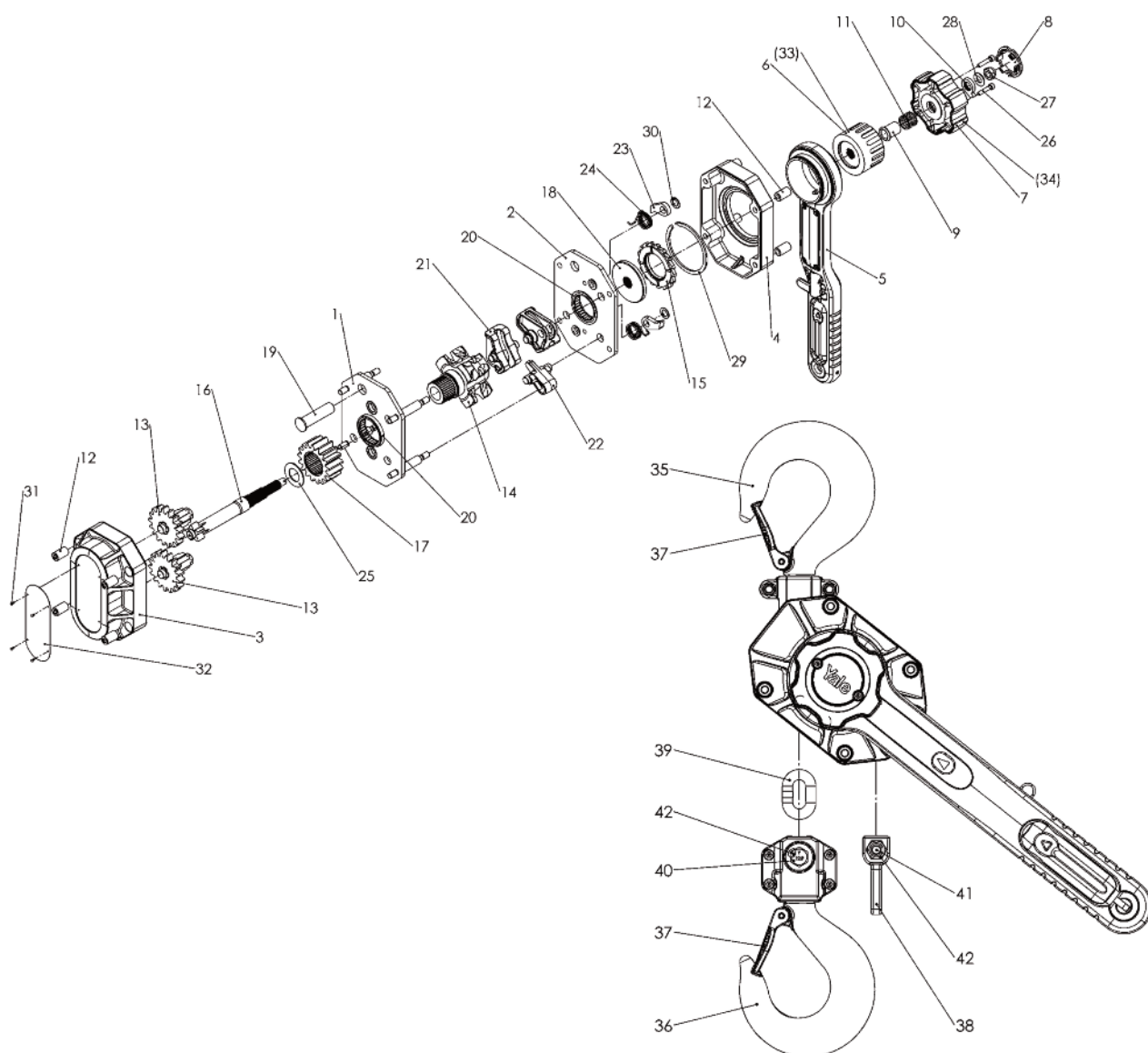
Item	Description	Article no.	Qty.
22	Top hook shaft	N00002137	1
23	Pawl spring	N00002201	2
24	Pawl	N00002202	2
25	Disc hub	N00002203	1
26	Cylinder nut	192021083	8
27	Cylinder screw	N09102063	2
28	Lock nut	N09115098	1
29	Washer	N09121001	1
30	Snap ring	N09129055	2
31	Round head grooved pin	N09128001	4
32	Name plate	192021064	1
33	Overload limiter, assy.	192028885	1
34	Hand wheel, black	192028323	1
35	Top hook, assy.	192028525	1
36	Lower hook, assy. (incl. 40 + 42)	192028524	1
37	Latch kit	C53821	2 ✓
38	Kettenendstück/Lock ring	N80115060	1
39	7.1 x 21 mm load chain	192034634	mtr
40	Lower hook chain bolt	N80115062	1
41	Lock ring screw	N80115061	1
42	Lock nut	N09115098	2

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yale ERGO 360 3000KG RATCHET LEVER HOIST



Item	Description	Article no.	Qty.
1	Gear side plate, assy.	N00230506	1
2	Lever side plate, assy. (w/o Pos. 20)	N00230507	1
3	Gear case, assy.	192021136	1
4	Housing cover	192021161	1
5	Lever handle assy.	192021120	1
6	Change over gear	192041216	1
7	Hand wheel	192021138	1
8	Cap	192021122	1
9	Collar bushing	192021142	1
10	Check washer	192021144	1
11	Pressure spring	192021128	1
12	Cylinder nut	N00230444	8
13	Spur gear assy.	N00002305	2
14	Load sheave assy.	N00002374	1
15	Ratchet disc assy.	192037609	1 ✓
16	Drive shaft	N00002308	1
17	Load gear	N00002309	1
18	Disc hub	N00002337	1
19	Top hook shaft	N00002331	1
20	Liftwheel bearing (outer ring + rollers)	N00002312	2
21	Guide	192036791	2

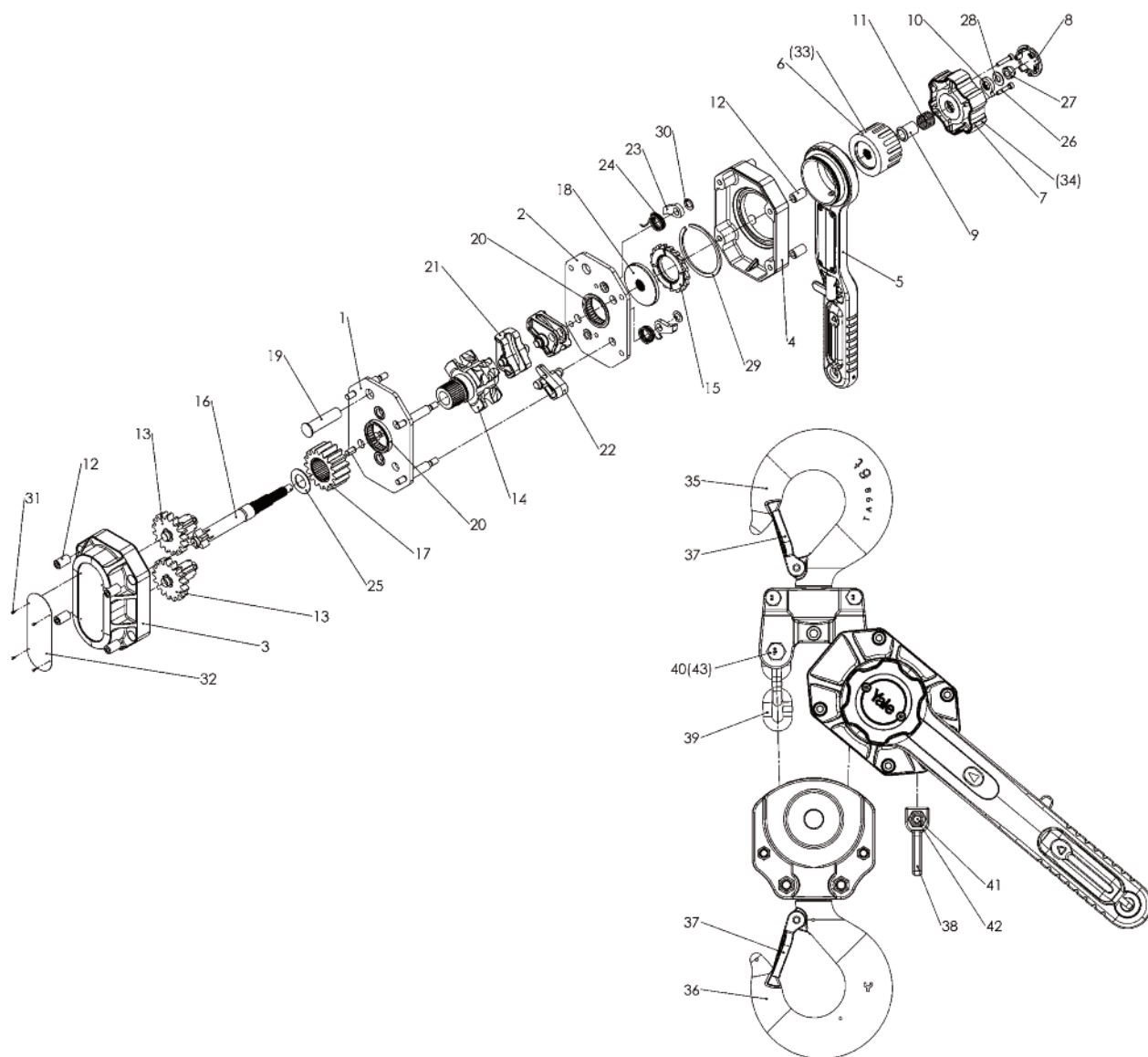
Item	Description	Article no.	Qty.
22	Stripper	N00002315	1
23	Pawl	N00002336	2
24	Pawl spring	192040786	2
25	Drive shaft washer	N00002361	1
26	Cylinder screw	N09102063	2
27	Lock nut	N09115036	1
28	Washer	N09121006	1
29	Snap ring	192021123	1
30	Snap ring	N09129005	2
31	Round head grooved pin	N09128001	4
32	Name plate	192021124	1
33	Overload limiter, assy.	192021147	1
34	Hand wheel, black	192028378	1
35	Top hook, assy.	192028532	1
36	Lower hook, assy. (incl. 40 + 42)	192028533	1
37	Latch kit	C53822	2 ✓
38	Lock ring	N80130060	1
39	10 x 28 mm load chain	192034636	mtr
40	Lower hook chain bolt	N80130062	1
41	Lock ring screw	N80130061	1
42	Lock nut	N09115036	2

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yale *ERGO 360* 6000KG RATCHET LEVER HOIST



Item	Description	Article no.	Qty.
1	Gear side plate, assy.	N00230506	1
2	Lever side plate, assy. (w/o Pos. 20)	N00230507	1
3	Gear case, assy.	192021136	1
4	Housing cover	192021161	1
5	Lever handle assy.	192021120	1
6	Change over gear	192041216	1
7	Hand wheel	192021138	1
8	Cap	192021122	1
9	Collar bushing	192021142	1
10	Check washer	192021144	1
11	Pressure spring	192021128	1
12	Cylinder nut	N00230444	8
13	Spur gear assy.	N00002305	2
14	Load sheave assy.	N00002374	1
15	Ratchet disc assy.	192037609	1 ✓
16	Drive shaft	N00002308	1
17	Load gear	N00002309	1
18	Disc hub	N00002337	1
19	Top hook shaft	N00002331	1
20	Liftwheel bearing (outer ring + rollers)	N00002312	2
21	Guide	192036791	2
22	Stripper	N00002315	1

Item	Description	Article no.	Qty.
23	Pawl	N00002336	2
24	Pawl spring	192040786	2
25	Drive shaft washer	N00002361	1
26	Cylinder screw	N09102063	2
27	Lock nut	N09115036	1
28	Washer	N09121006	1
29	Snap ring	192021123	1
30	Snap ring	N09129005	2
31	Round head grooved pin	N09128001	4
32	Name plate	192035453	1
33	Overload limiter, assy.	192021147	1
34	Hand wheel	192028378	1
35	Top hook, assy. (incl. 40 + 43)	N00002381	1
36	Lower hook, assy.	N00002377	1
37	Latch kit	C53940	2 ✓
38	Lock ring	N8013006	1
39	10 x 28 mm load chain	192034636	mtr
40	Lower hook chain bolt	N80160068	1
41	Lock ring screw	N80130061	1
42	Lock nut	N09115036	1
43	Lock nut	N09115115	1

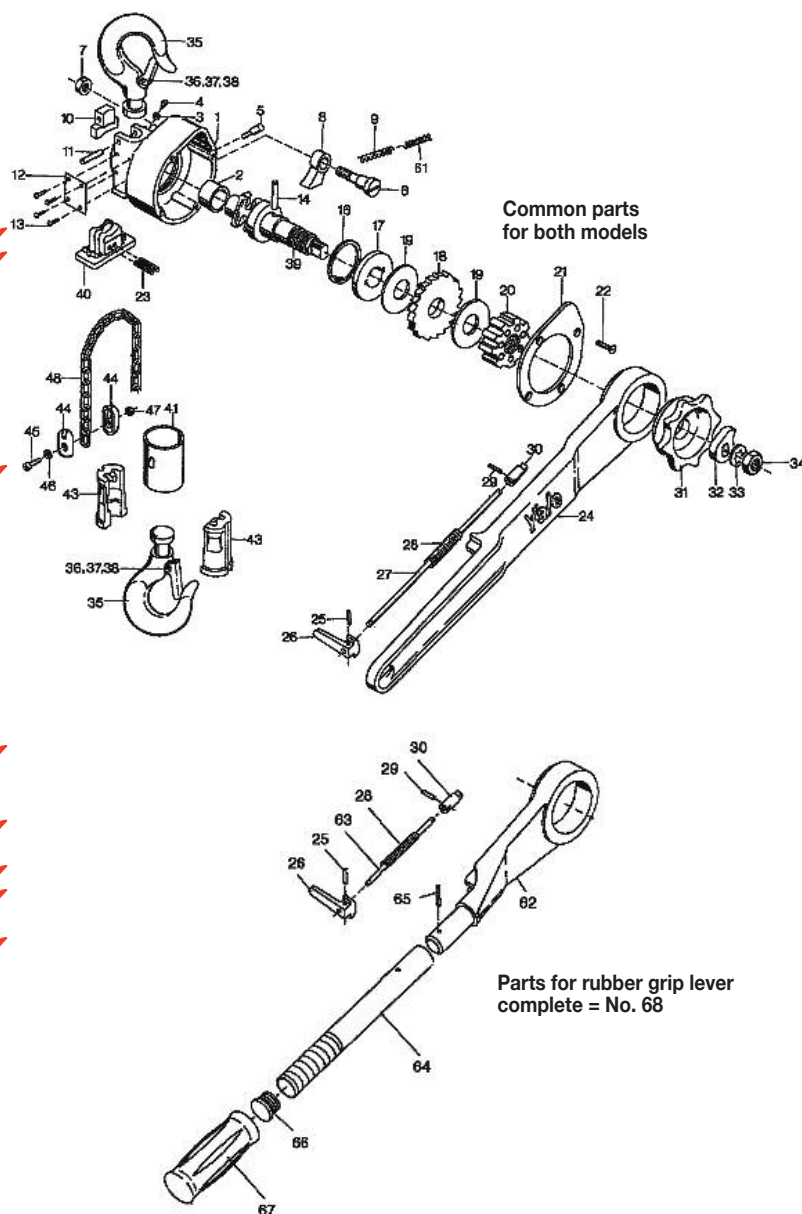
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

C/D85 750KG PUL-LIFTS

Item	Article no.	Description	Qty.	£ each
Common parts for both models				
1-5	00106207	Housing assy.	1	£152.03
2	00102503	Bushing	1	£1.29
3	00104986	Washer	1	£1.11
4	09176014	Lub fitting	1	£4.91
5	00105020	Brake pawl spring pin	1	£1.78
6	00111108	Brake pawl bolt	1	£14.50
7	09115147	Hex. nut	1	£2.16
8	00108342	Brake pawl	1	£45.41 ✓
9	00105019	Brake pawl spring	1	£1.11 ✓
10	00111106	Fitting piece	1	£9.58
11	09134018	Locking sleeve	1	£1.29
12	00107487	Name plate	1	£1.38
13	09128008	Grooved nail	4	£1.11
14	00106254	Bolt	1	£1.11
16	09130022	Retaining ring	1	£1.44
17	00103895	Disc hub	1	£17.38
18	00105075	Ratchet disc	1	£62.97
19	00108500	Friction disc	2	£10.85 ✓
20	00101028	Ratchet	1	£79.91
21	00111029	Load brake cover	1	£9.75
22	09104116	Screw	4	£1.11
23	09134050	Locking sleeve	2	£1.44
24-30	00105969	Hand lever assy.	1	£162.22
24	00105939	Hand lever, 443mm	1	£96.93
25	00102136	Lever rod pin	1	£1.11
26	00102135	Pawl rod lever	1	£14.07
27	00102131	Ratchet rod	1	£14.07
28	00102132	Lever pawl spring	1	£1.11
29	00102134	Ratchet rod pin	1	£1.11
30	00102133	Ratchet pawl	1	£21.71 ✓
31	00102037	Hand wheel	1	£17.41
32	00102038	Check washer	1	£3.41
33	09123018	Tooth washer	1	£1.11 ✓
34	09115059	Hex. nut	1	£1.11
35-38	00108807	Hook assy.	2	£34.19 ✓
36-38	00109789	Safety latch kit	2	£6.23 ✓
41	00108241	Swivel tube	1	£9.47 ✓
61	00108251	Brake pawl spring	1	£2.25 ✓
62	00107660	Lever head	1	£108.41
63	00107666	Ratchet rod	1	£5.28
64	00107730	Tube	1	£16.61
65	09134094	Locking sleeve	1	£1.11
66	00108351	Plug	1	£2.01
67	00246418	Grip	1	£4.58
68	00108787	Rubber grip lever, complete	1	£174.06



Common parts
for both models

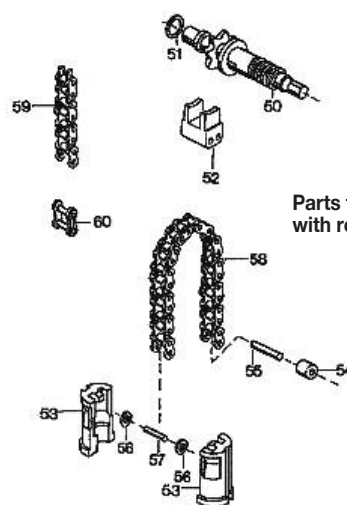
Parts for rubber grip lever
complete = No. 68

Parts for model C85

35-38, 41+48	00100283	Bottom block assy.	1	£82.39
50	00105698	Sprocket wheel	1	£213.81
51	09121205	Washer	1	£1.12
52	00105916	Stripper	1	£18.52
53	00100276	Swivel half	2	£10.37
54-55	00106232	Chain stop assy.	1	£6.07
54	00105913	Chain stop	1	£1.92
55/57	00108448	Chain bolt	1	£4.47
56	00105589	Chain washer	2	£3.03
59	01244800	Load chain (per metre)	1	£25.11
60	00109474	Chain lock	1	£3.82

Parts for model D85

35-38 +41-43	00100305	Bottom block assy.	1	£83.82
39	00103144	Load sheave	1	£135.73
40	00105942	Stripper	1	£19.96
43	00104979	Swivel half	2	£10.85
44-47	00104639	Chain stop assy.	1	£14.84 ✓
44	00104630	Chain stop half	2	£7.35
45	09102169	Cyl. screw	1	£1.11
46	09122031	Lockwasher	1	£1.11
47	09115002	Hex. nut	1	£1.11
48	01607633	Load chain, (per metre)	1	£14.20



Parts for model C85
with roller chain only

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

C/D85 1500KG PUL-LIFTS

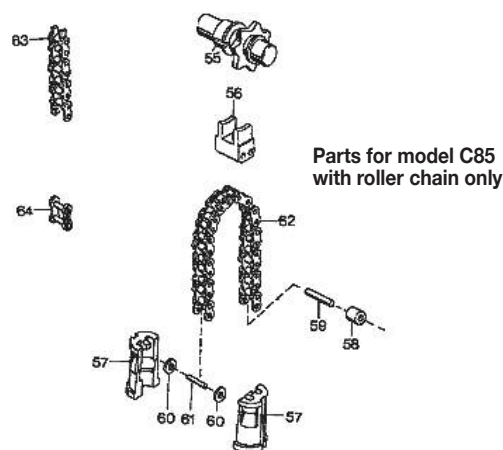
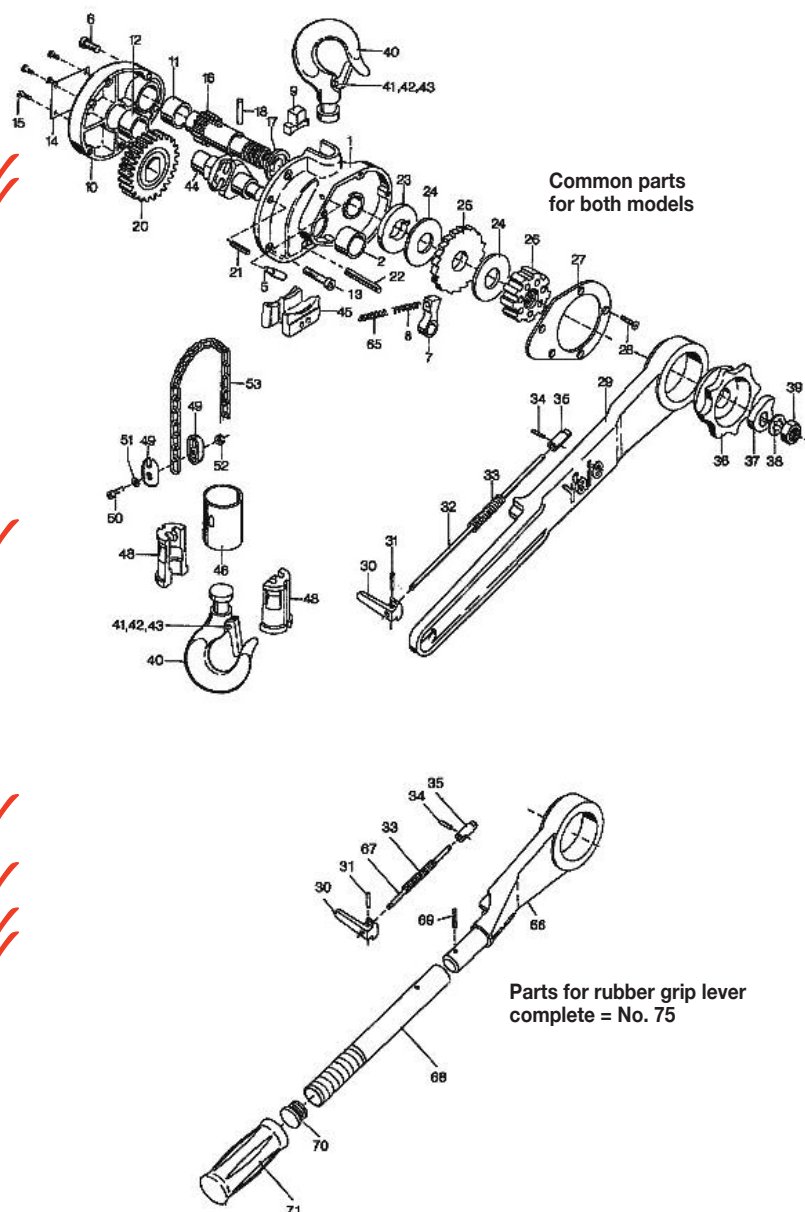
Item	Article no.	Description	Qty.	£ each
Common parts for both models				
1-2+5-6	00106208	Housing assy.	1	£296.52
2	00105930	Bushing	1	£2.94
5	00105020	Brake pawl spring pin	1	£1.78
6	09105005	Cyl. screw	2	£1.78
7	00108287	Brake pawl	1	£44.54 ✓
8	00105019	Brake pawl spring	1	£1.11
9	00103205	Fitting piece	1	£7.35
10-13	00103724	Housing cover assy.	1	£150.85
11	00102503	Bushing	1	£1.29
12	00105930	Bushing	1	£2.94
13	09105010	Cyl. screw	2	£1.66
14	00107487	Name plate	1	£2.08
15	09128008	Grooved nail	4	£1.11
16	00103146	Drive pinion	1	£207.47
17	00111017	Spacer	1	£9.75
18	00106254	Bolt	1	£1.11
20	00103806	Gear	1	£135.26
21	09134028	Locking sleeve	2	£1.11
22	09134003	Locking sleeve	2	£1.11
23	00103895	Disc hub	1	£17.38
24	00108500	Friction disc	2	£10.85 ✓
25	00105075	Ratchet disc	1	£65.31
26	00101028	Ratchet	1	£79.68
27	00106001	Load brake cover	1	£13.63
28	09104116	Screw	5	£1.11
29-35	00105969	Hand lever assy.	1	£162.22
29	00105939	Hand lever, 443mm	1	£96.90
30	00102135	Pawl rod lever	1	£14.06
31	00102136	Lever rod pin	1	£1.11
32	00102131	Ratchet rod	1	£14.06
33	00102132	Lever pawl spring	1	£1.11
34	00102134	Ratchet rod pin	1	£1.11
35	00102133	Ratchet pawl	1	£21.71 ✓
36	00102037	Hand wheel	1	£17.41
37	00102038	Check washer	1	£3.41
38	09123018	Tooth washer	1	£1.11 ✓
39	09115059	Hex. nut	1	£1.11
40-43	00108247	Hook assy.	2	£64.19 ✓
41-43	00109081	Safety latch kit	2	£6.71 ✓
46	00106048	Swivel tube	1	£14.36
65 *	00108251	Brake pawl spring	1	£2.25
66	00107660	Lever head	1	£108.41
67	00107666	Ratchet rod	1	£5.28
68	00107730	Tube	1	£16.61
69	09134094	Locking sleeve	1	£1.11
70	00108351	Plug	1	£2.01
71	00246418	Grip	1	£4.59
72	00108787	Rubber grip lever, complete	1	£174.06

Parts for model C85

40-43,				
46+57	00100365	Bottom block assy.	1	£128.54
55	00105900	Sprocket wheel	1	£119.59
56	00105917	Stripper	1	£25.39
57	00100382	Swivel half	2	£14.83
58-59	00106233	Chain stop assy.	1	£9.27
58	00105914	Chain stop	1	£3.20
59	00105986	Chain bolt	1	£6.23
60	00105588	Chain washer	2	£1.92
61	00105986	Chain bolt	1	£6.23
63	01245700	Load chain (per metre)	1	£36.03
64	00106079	Chain lock	1	£7.02

Parts for model D85

40-43				
+46-48	00100311	Bottom block assy.	1	£130.29
44	00103805	Load sheave	1	£98.53
45	00105697	Stripper	1	£27.15
48	00100173	Swivel half	2	£16.29 ✓
49-52	00104640	Chain stop assy.	1	£17.25
49	00104631	Chain stop half	2	£9.90
50	09102103	Cyl. Screw	1	£1.11
51	09122032	Lock washer	1	£1.44
52	09115014	Hex. nut	1	£1.44
53	01607645	Load Chain (per metre)	1	£19.66



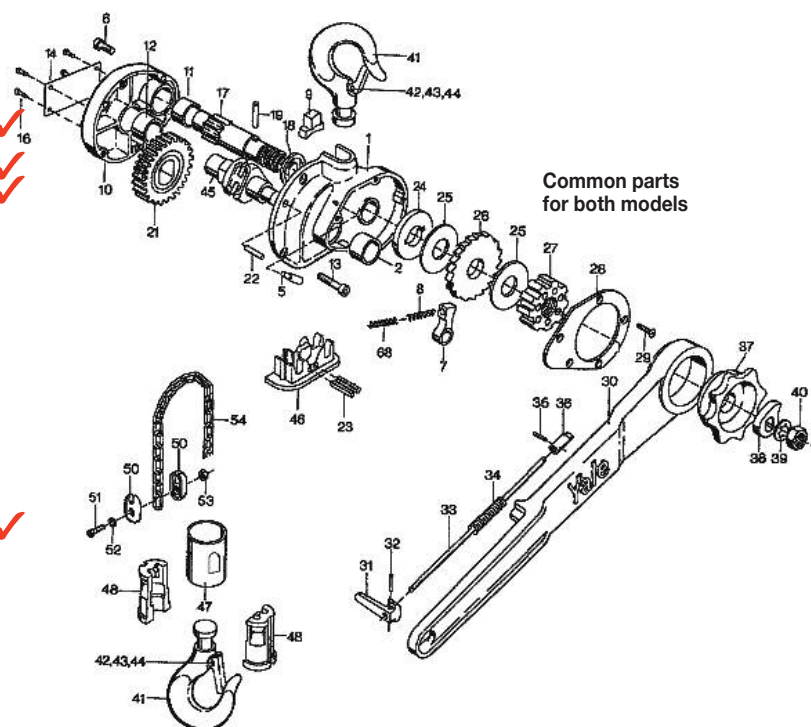
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

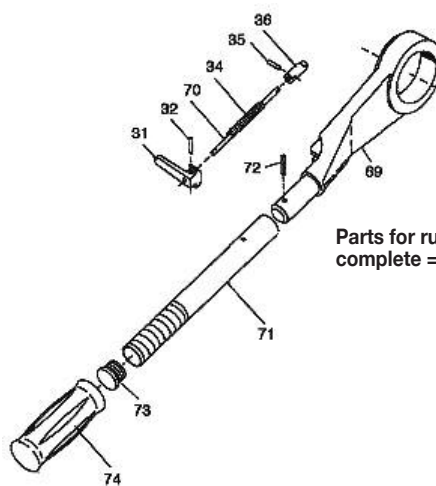
NB: Any prices shown are per individual part.

C/D85 3000KG PUL-LIFTS

Item	Article no.	Description	Qty.	£ each
Common parts for both models				
1-2, 5-6	00106219	Housing assy.	1	£301.48
2	00105929	Bushing	1	£2.40
5	00105020	Brake pawl spring	1	£1.78
6	09105006	Cyl. screw	2	£1.12
7	00108289	Brake pawl	1	£59.10
8	00105019	Brake pawl spring	1	£1.11
9	00104951	Fitting piece	1	£5.60
10	00106220	Housing cover assy.	1	£153.77
11	00106248	Bushing	1	£7.99
12	00105929	Bushing	1	£2.40
13	09105011	Cyl. Screw	2	£1.62
14	00107487	Name plate	1	£2.08
16	09128008	Grooved nail	4	£1.11
17	00106096	Drive pinion	1	£213.34
18	00105989	Spacer	1	£4.47
19	00106254	Bolt	1	£1.11
21	00103808	Gear	1	£145.95
22	09134001	Locking sleeve	2	£1.44
23	09134097	Locking sleeve	2	£1.11
24	00103895	Disc hub	1	£17.38
25	00108500	Friction disc	2	£10.85
26	00105075	Ratchet disc	1	£65.31
27	00101028	Ratchet	1	£75.22
28	00106002	Load brake cover	1	£14.84
29	09104116	Screw	5	£1.11
30-36	00106221	Hand lever assy.	1	£171.96
30	00105940	Hand lever, 570mm	1	£105.88
31	00102135	Pawl rod lever	1	£14.06
32	00102136	Lever rod pin	1	£1.11
33	00102131	Ratchet rod	1	£14.06
34	00102132	Lever pawl spring	1	£1.11
35	00102134	Ratchet rod pin	1	£1.11
36	00102133	Ratchet pawl	1	£21.71
37	00102037	Hand wheel	1	£17.41
38	00102038	Check washer	1	£3.41
39	09123018	Tooth washer	1	£1.11
40	09115059	Hex. nut	1	£1.11
41-44	00109960	Hook assy.	2	£98.53
42-44	00408671	Safety latch kit	2	£11.82
68	00108251	Brake pawl spring	1	£2.24
69	00107660	Lever head	1	£108.41
70	00107666	Ratchet rod	1	£5.28
71	00107731	Tube	1	£27.32
72	09134094	Locking sleeve	1	£1.11
73	00108351	Plug	1	£2.01
74	00246418	Grip	1	£4.59
75	00108788	Rubber grip lever complete	1	£183.31



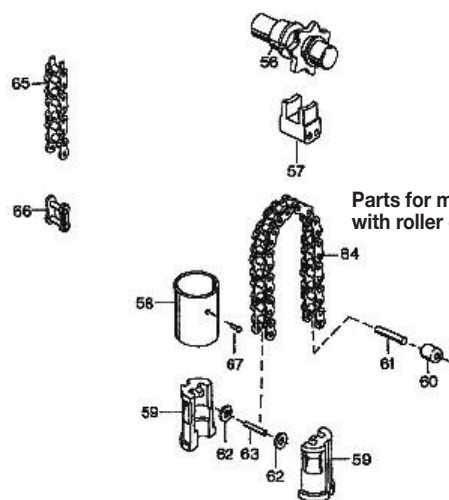
Common parts
for both models



Parts for rubber grip lever
complete = No. 81

Parts for model C85				
41-44+	00106224	Bottom block assy.	1	£181.56
56	00105903	Sprocket wheel	1	£233.45
57	00105920	Stripper	1	£42.16
58+67	00106223	Swivel tube with screw	1	£28.10
59	00105573	Swivel half	2	£30.50
60-61	00106234	Chain stop assy.	1	£10.85
60	00105915	Chain stop	1	£4.94
61	00105567	Chain bolt	1	£7.44
62	00105582	Chain washer	2	£1.92
63	00105567	Chain bolt	1	£7.44
65	01245701	Load load (per metre)	1	£64.41
66	00106235	Chain lock	1	£12.28
67	09106343	Screw	2	£1.11

Parts for model D85				
41-44	00109100	Bottom block assy.	1	£172.76
+47+48	00103807	Load sheave	1	£135.73
46	00105695	Stripper	1	£49.82
47	00108132	Swivel tube	1	£21.08
48	00108134	Swivel half	2	£20.78
50-53	00158013	Chain stop assy.	1	£19.96
50	00157987	Chain stop half	2	£11.44
51	09102092	Cyl. screw	1	£1.11
52	09122032	Lock washer	1	£1.44
53	09115014	Hex. nut	1	£1.44
54	01607652	Load chain (per metre)	1	£27.30



Parts for model C85
with roller chain only

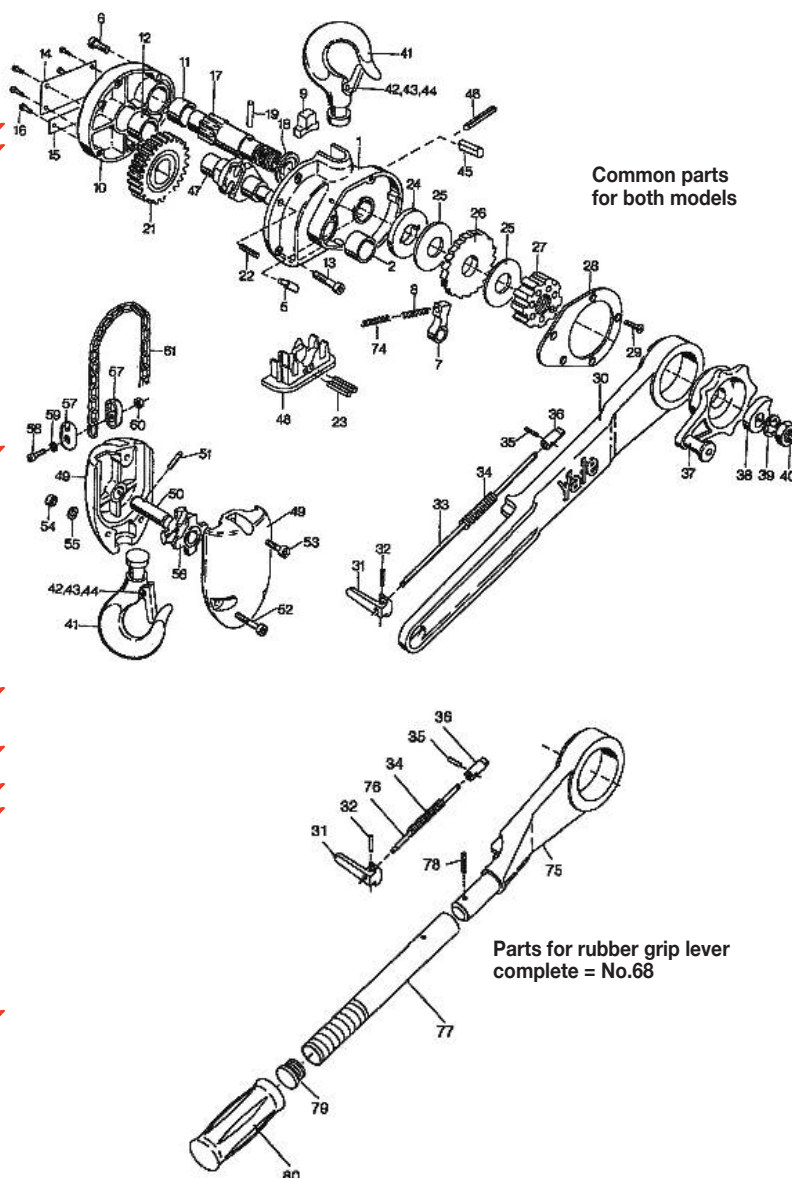
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

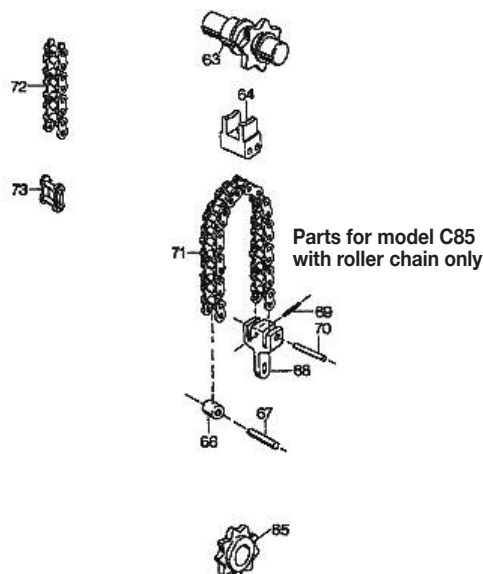
C/D85 6000KG PUL-LIFTS

Item	Article no.	Description	Qty.	£ each
Common parts for both models				
1-2, 5-6	00106225	Housing assy.	1	£305.62
2	00105929	Bushing	1	£2.40
5	00105020	Brake pawl spring pin	1	£1.78
6	09105006	Cyl. screw	1	£1.12
7	00108289	Brake pawl	2	£59.10
8	00105019	Brake pawl spring	1	£1.11
9	00103207	Fitting piece	1	£11.29
10-13,+15	00104954	Housing cover assy.	1	£125.55
11	00106248	Bushing	1	£7.99
12	00105929	Bushing	1	£2.40
13	09105011	Cyl. Screw	2	£1.62
14	00107487	Name plate	1	£2.08
15	00105599	Capacity plate	1	£3.67
16	09128008	Grooved nail	6	£1.11
17	00106096	Drive pinion	1	£213.34
18	00105989	Spacer	1	£4.47
19	00106254	Bolt	1	£1.11
21	00103808	Gear	1	£145.95
22	09134001	Locking sleeve	2	£1.44
23	09134097	Locking sleeve	2	£1.11
24	00103895	Disc hub	1	£17.38
25	00108500	Friction disc	2	£10.85
26	00105075	Ratchet disc	1	£65.31
27	00101028	Ratchet	1	£79.68
28	00106002	Load brake cover	1	£131.95
29	09104116	Screw	5	£1.11
30-36	00106221	Hand lever assy.	1	£176.88
30	00105940	Hand lever, 570mm	1	£105.88
31	00102135	Pawl rod lever	1	£14.06
32	00102136	Lever rod pin	1	£1.11
33	00102131	Ratchet rod	1	£14.06
34	00102132	Lever pawl spring	1	£1.11
35	00102134	Ratchet rod pin	1	£1.11
36	00102133	Ratchet pawl	1	£21.71
37	00102091	Crank handwheel assy.	1	£48.06
38	00102038	Check washer	1	£3.41
39	09123018	Tooth washer	1	£1.11
40	09115059	Hex. nut	1	£1.11
41-44	00100004	Hook assy	2	£116.13
42-44	00100019	Safety latch kit	2	£9.58
45	00105964	Chain bolt	1	£16.77
46	09134110	Locking sleeve	1	£1.11
49	00105945	Swivel half	2	£98.53
50	00103131	Idler sheave shaft	1	£34.96
51	09134055	Locking sleeve	1	£1.11
52	09102010	Cyl. Screw	2	£1.12
53	09102029	Cyl. Screw	1	£1.44
54	09118020	Slotted nut	3	£1.11
55	09122032	Locking washer	3	£1.66
74	00108251	Brake pawl spring	1	£2.24
75	00107660	Lever head	1	£113.10
76	00107666	Ratchet rod	1	£5.28
77	00107731	Tube	1	£26.02
78	09134094	Locking sleeve	1	£1.11
79	00108351	Plug	1	£2.01
80	00246418	Grip	1	£4.59
81	00108788	Rubber grip lever complete	1	£183.31



Parts for model C85				
41-44+	00106227	Bottom block assy.	1	£644.63
49-55,65	00105903	Sprocket wheel	1	£233.45
63	00105920	Stripper	1	£42.16
64	00105919	Idler sprocket	1	£165.54
65	00106234	Chain stop assy.	1	£10.85
66-67	00105915	Chain stop	1	£4.94
66	00105567	Chain bolt	1	£7.44
67	00105928	Chain anchor	1	£97.52
68	09134046	Locking sleeve	1	£1.11
69	00105931	Chain bolt	1	£5.28
70	01245701	Load chain (per metre)	1	£64.41
72	00106235	Chain lock	1	£12.28

Parts for model D85				
41-44+	00106247	Bottom block assy.	1	£492.74
49-56	00103807	Load sheave	1	£132.34
47	00105695	Stripper	1	£48.60
48	00118244	Idler sheave	1	£101.21
56	00158013	Chain stop assy.	1	£18.65
57-60	00157987	Chain stop half	2	£10.58
57	09102092	Cyl. screw	1	£1.11
58	09122032	Lock washer	1	£1.44
59	09115014	Hex. nut	1	£1.44
60	01607652	Load chain (per metre)	1	£27.30



✓ = Recommended spares if applicable.

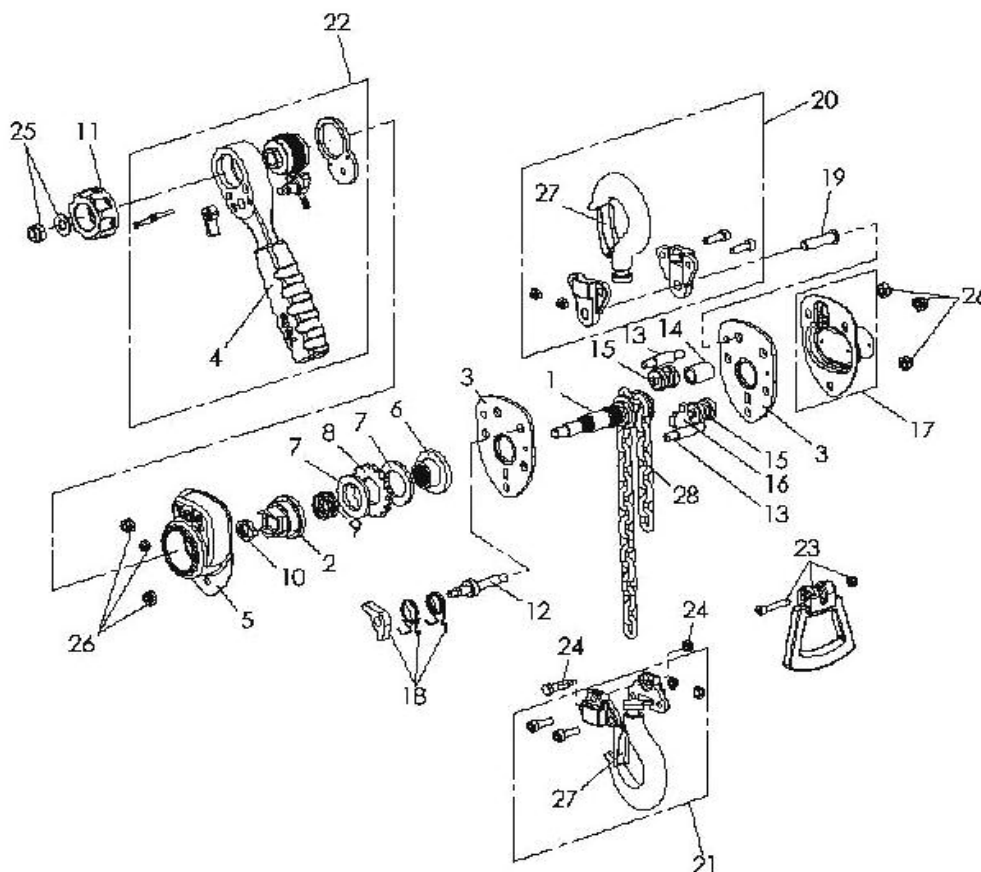
NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

HANDY 250KG RATCHET LEVER HOIST

250kg Capacity

Item	Article no.	Description	Qty.	Price £ each
1	N00230161	Liftwheel	1	£6.70
2	N00230138	Ratchet	1	£50.95
3	N00230258	Sideplate assy.	2	£11.95
4	N00230153	Grip	1	£7.99
5	N00230124	Housing cover	1	£6.23
6	N00230113	Disc hub	1	£46.15
7	N00210001	Friction disc	2	£7.82 ✓
8	N00230114	Ratchet disc	1	£22.04
9	N00230130	Spring	1	£12.13
10	N00230117	Check washer	1	£5.11
11	N00230155	Hand wheel	1	£15.65
12	N00230120	Spacer pin	1	£1.92
13	N00230119	Spacer pin	2	£1.77
14	N00230121	Spacer tube	1	£1.92
15	N00230115	Guide roller	2	£3.68
16	N00230116	Stripper	1	£4.94
17	N00230169	Housing cover assy.	1	£40.78
18	N00230259	Brake pawl assy.	1	£13.57
19	N00230131	Suspension bolt	1	£11.18
20	N00230152	Top hook assy.	1	£46.96 ✓
21	N00230137	Bottom block assy.	1	£46.96 ✓
22	N00230164	Hand lever assy.	1	£16.14
23	N00230260	Chain end stop assy.	1	£12.45 ✓
24	N00230261	Chain bolt assy.	1	£4.00
25	N00230262	Hex. nut and washer	1	£1.96
26	N00230288	Hex. nut	1	£11.00
27	N00230168	Safety latch kit	2	£10.72 ✓
28	N02100004	Load chain (per metre)	1	£12.01



✓ = Recommended spares if applicable.

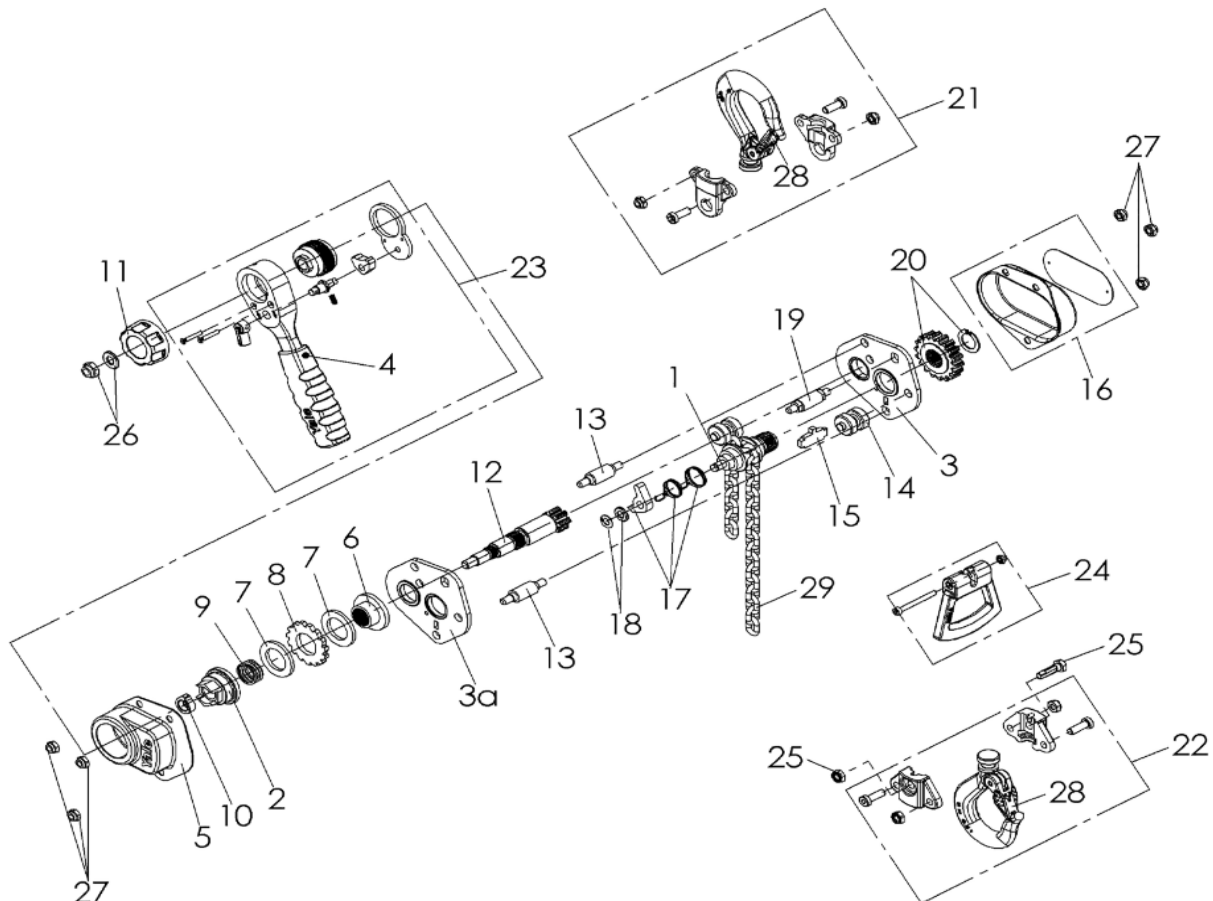
NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

HANDY 500KG RATCHET LEVER HOIST

500kg Capacity

Item	Article no.	Description	Qty.	Price £ each
1	N00230329	Liftwheel	1	£6.70
2	N00230138	Ratchet	1	£50.95
3	N00230328	Sideplate assy.	2	£11.61
4	N00230153	Grip	1	£7.99
5	N00230332	Housing cover	1	£11.27
6	N00230113	Disc hub	1	£46.15
7	N00210001	Friction disc	2	£7.82 ✓
8	N00230114	Ratchet disc	1	£22.04
9	N00230130	Spring	1	£12.13
10	N00230117	Check washer	1	£5.11
11	N00230155	Hand wheel	1	£15.65
12	N00230330	Drive pinion	1	£51.87
13	N00230331	Spacer pin	2	£1.47
14	N00230335	Guide roller	1	£5.91
15	N00230340	Stripper	1	£6.07
16	N00230347	Housing cover assy.	1	£14.06
17	N00230259	Brake pawl assy.	1	£13.57
18	N00230348	Washer and retaining ring	1	£12.38
19	N00230336	Suspension bolt	1	£10.26
20	N00230350	Gear assy.	1	£21.71
21	N00230351	Hook assy.	1	£46.96 ✓
22	N00230342	Bottom block assy.	1	£46.96 ✓
23	N00230164	Hand lever assy.	1	£16.14
24	N00230260	Chain end stop assy.	1	£12.45 ✓
25	N00230352	Chain bolt assy.	1	£12.02
26	N00230262	Hex. nut and washer	1	£1.96
27	N00230288	Hex. nut	6	£11.00
28	N00400449	Safety latch kit	2	£10.72 ✓
29	N02100004	Load chain (per metre)	1	£12.01



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

PT 800 & 1600KG RATCHET LEVER HOISTS

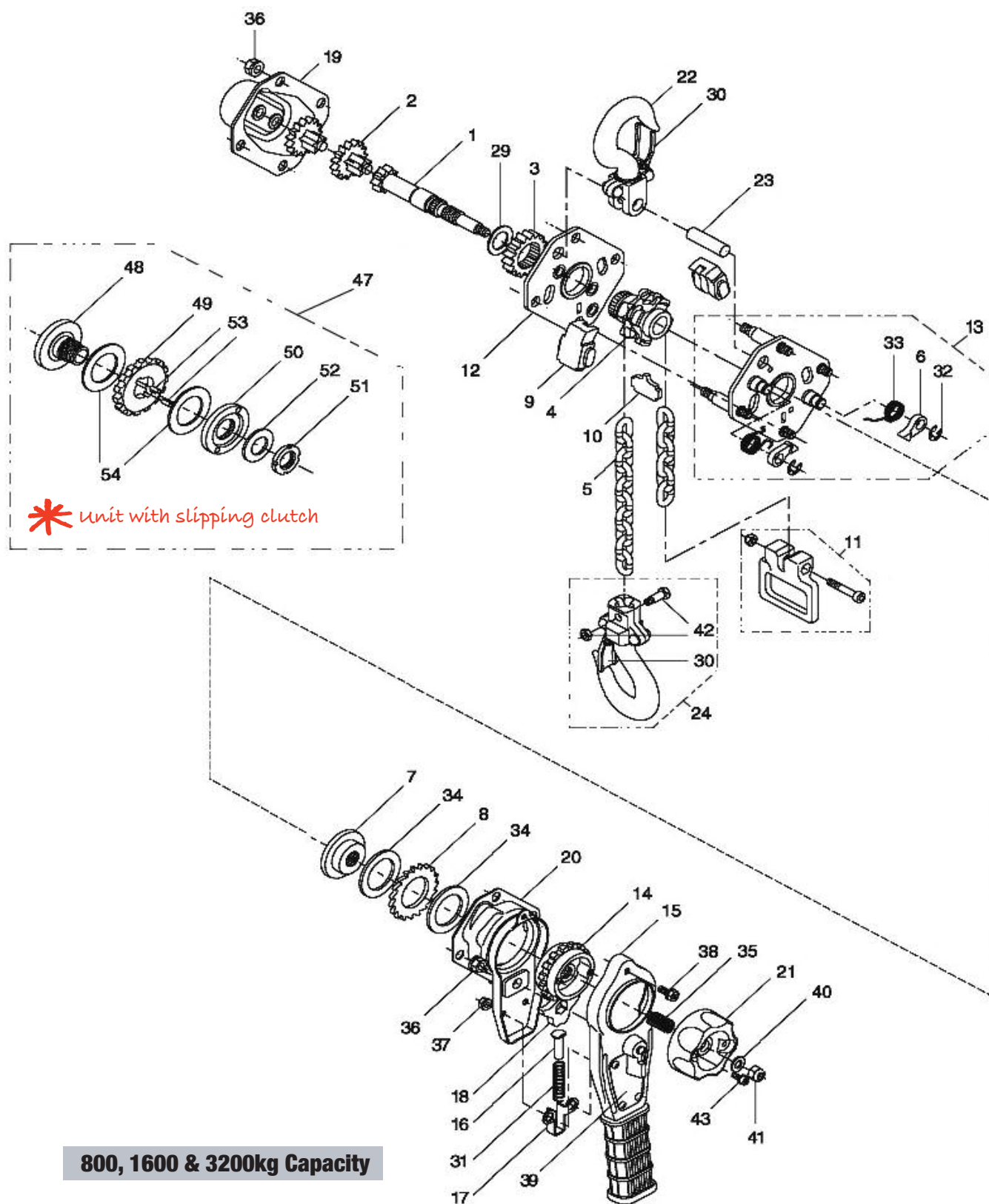
800kg Capacity					1600kg Capacity				
Item	Article no.	Description	Qty.	£ each	Item	Article no.	Description	Qty.	£ each
1	N00220148	Drive pinion	1	£41.20	1	N00220149	Drive pinion	1	£54.46
2	N00229207	Gear assy.	1	£60.25	2	N00229208	Gear assy.	1	£115.93
3	N00229210	Gear	1	£74.42	3	N00220152	Gear	1	£54.26
4	N00220154	Load sheave	1	£27.31	4	N00220155	Load sheave	1	£39.93
5	N02109357	Load chain (per metre)	1	£14.20	5	N02107639	Load chain (per metre)	1	£17.47
6	N00220157	Brake pawl	1	£4.31	6	N00220158	Brake pawl	1	£5.75
7	N00220159	Disc hub	1	£25.08	7	N00220160	Disc hub	1	£33.05
8	N00220161	Ratchet disc	1	£22.19	8	N00220162	Ratchet disc	1	£22.19
9	N00220163	Chain guide	1	£8.58	9	N00220164	Chain guide	1	£9.42
10	N00220166	Stripper	1	£2.88	10	N00220167	Stripper	1	£4.15
11	N00229216	Chain stop assy.	1	£10.54 ✓	11	N00229217	Chain stop assy.	1	£18.52 ✓
12	N00220169	Side plate, gear side	1	£23.67	12	N00220170	Side plate, gear side	1	£31.14
13	N00220172	Side plate, hand lever side	1	£28.58	13	N00220173	Side plate, hand lever side	1	£36.37
14	N00220175	Ratchet	1	£26.68	14	N00220176	Ratchet	1	£29.87
15	N00220177	Hand lever	1	£65.00 ✓	15	N00220178	Hand lever	1	£78.74 ✓
16	N00229247	Spring guide pin	1	£4.31	16	N00229248	Spring guide pin	1	£4.77
17	N00229249	Spring guide	1	£4.31	17	N00229250	Spring guide	1	£6.39
18	N00220179	Ratchet	1	£10.37	18	N00220180	Ratchet	1	£11.50
19	N00220181	Gear cover	1	£22.19	19	N00220182	Gear cover	1	£32.58
20	N00220184	Housing cover, hand lever side	1	£29.22	20	N00220185	Housing cover, hand lever side	1	£44.88
21	N00220187	Hand wheel	1	£25.39 ✓	21	N00220187	Hand wheel	1	£25.39 ✓
22	N00220190	Top hook assy.	1	£28.91 ✓	22	N00220191	Top hook assy.	1	£42.79 ✓
23	N00220194	Suspension bolt	1	£5.75	23	N00220195	Suspension bolt	1	£6.86
24	N00220197	Load hook assy.	1	£29.22 ✓	24	N00220198	Load hook assy.	1	£44.55 ✓
25	---	---	---	---	25	---	---	---	---
26	---	---	---	---	26	---	---	---	---
27	---	---	---	---	27	---	---	---	---
28	---	---	---	---	28	---	---	---	---
29	N00220204	Washer	1	£1.44	29	N00220204	Washer	1	£1.44 ✓
30	N00220206	Safety latch kit	1	£4.94 ✓	30	N00220207	Safety latch kit	1	£6.39 ✓
31	N00229276	Lever pawl spring	1	£4.80	31	N00229277	Lever pawl spring	1	£5.28
32	N09123046	Retaining ring	1	£1.61	32	N09123037	Retaining ring	1	£1.11
33	N00220209	Brake pawl spring	1	£4.63	33	N00220210	Brake pawl spring	1	£5.28
34	N00220212	Friction disc	2	£11.18 ✓	34	N00220213	Friction disc	2	£15.96 ✓
35	N00220214	Free chaining spring	1	£2.25	35	N00220215	Free chaining spring	1	£2.25
36	N00229288	Safety nut	1	£1.44	36	N00229288	Safety nut	1	£1.11
37	N00229289	Safety nut	1	£1.44	37	N00229288	Safety nut	1	£1.11
38	N00220235	Screw	1	£1.44	38	N00220236	Screw	1	£1.11
39	N00220218	Identification plate	1	£6.86	39	N00220219	Identification plate	1	£6.86
40	N09121001	Washer	1	£1.11	40	N09121001	Washer	1	£1.11
41	N09115098	Hex nut	1	£2.38	41	N09115098	Hex nut	1	£2.38
42	N00229291	Chain bolt	1	£3.20 ✓	42	N00229292	Chain bolt	1	£3.83 ✓
43	N00220237	Screw	1	£1.11	43	N00220237	Screw	1	£1.11
44	---	---	---	---	44	---	---	---	---
45	---	---	---	---	45	---	---	---	---
46	---	---	---	---	46	---	---	---	---
47	N00220222	Slip clutch assy.	1	£220.85	47	N00220223	Slip clutch assy.	1	£239.51
48	N00220226	Hub	1	£54.12	48	N00220227	Hub	1	£79.36
49	N00220228	Ratchet	1	£47.43	49	N00220229	Ratchet	1	£55.73
50	N00220230	Disc hub	1	£49.15	50	N00220230	Disc hub	1	£49.13
51	N00220231	Nut	1	£3.68	51	N00220231	Nut	1	£3.68
52	N00220232	Cup spring	1	£10.37	52	N00220232	Cup spring	1	£10.37
53	N00220233	Roller	1	£2.56	53	N00220233	Roller	1	£2.56
54	N00220234	Friction disc (slipping clutch)	2	£26.35	54	N00220234	Friction disc (slipping clutch)	2	£26.35

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

PT 800, 1600 & 3200KG RATCHET LEVER HOISTS



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

PT 3200 & 6300KG RATCHET LEVER HOISTS

3200kg Capacity					6300kg Capacity				
Item	Article no.	Description	Qty.	£ each	Item	Article no.	Description	Qty.	£ each
1	N00220150	Drive pinion	1	£68.67	1	N00220150	Drive pinion	1	£68.67
2	N00220151	Gear assy.	1	£40.72	2	N00220151	Gear assy.	1	£40.72
3	N00220153	Gear	1	£61.15	3	N00220153	Gear	1	£61.15
4	N00220156	Load sheave	1	£111.61	4	N00220156	Load sheave	1	£111.61
5	N02109358	Load chain (per metre)	1	£22.93	5	N02109358	Load chain (per metre)	1	£22.93
6	N00220158	Brake pawl	1	£5.75	6	N00220158	Brake pawl	1	£5.75
7	N00220160	Disc hub	1	£33.05	7	N00220160	Disc hub	1	£33.05
8	N00220162	Ratchet disc	1	£22.19	8	N00220162	Ratchet disc	1	£22.19
9	N00220165	Chain guide	1	£13.57	9	N00220165	Chain guide	1	£13.57
10	N00220168	Stripper	1	£4.47	10	N00220168	Stripper	1	£4.47
11	N00229218	Chain stop assy.	1	£50.95 ✓	11	N00229218	Chain stop assy.	1	£50.95 ✓
12	N00220171	Side plate, gear side	1	£35.93	12	N00220171	Side plate, gear side	1	£35.93
13	N00220174	Side plate, hand lever side	1	£50.61	13	N00220174	Side plate, hand lever side	1	£50.61
14	N00220176	Ratchet	1	£29.87	14	N00220176	Ratchet	1	£29.87
15	N00220178	Hand lever	1	£78.71 ✓	15	N00220178	Hand lever	1	£78.71 ✓
16	N00229248	Spring guide pin	1	£4.80	16	N00229248	Spring guide pin	1	£4.80
17	N00229250	Spring guide	1	£6.39	17	N00229250	Spring guide	1	£6.39
18	N00220180	Ratchet	1	£11.50	18	N00220180	Ratchet	1	£11.50
19	N00220183	Gear cover	1	£46.15	19	N00220183	Gear cover	1	£46.15
20	N00220186	Housing cover, hand lever side	1	£49.98	20	N00220186	Housing cover, hand lever side	1	£51.05
21	N00220187	Hand wheel	1	£25.41	21	N00220187	Hand wheel	1	£25.39
22	N00220192	Top hook assy.	1	£87.13 ✓	22	N00220193	Top hook assy.	1	£169.91 ✓
23	N00220196	Suspension bolt	1	£6.71	23	N00220196	Suspension bolt	1	£6.71
24	N00220199	Load hook assy.	1	£87.84 ✓	24	N00220200	Load hook assy.	1	£363.76 ✓
25	---	---			25	---	---		
26	---	---			26	---	---		
27	---	---			27	---	---		
28	---	---			28	---	---		
29	N00220205	Washer	1	£1.12	29	N00220205	Washer	1	£1.12
30	N00220207	Safety latch kit	1	£6.39 ✓	30	N00220208	Safety latch kit	1	£9.42 ✓
31	N00229277	Lever pawl spring	1	£5.28	31	N00229277	Lever pawl spring	1	£5.28
32	N09123037	Retaining ring	1	£1.11	32	N09123037	Retaining ring	1	£1.11
33	N00220211	Brake pawl spring	1	£5.75	33	N00220211	Brake pawl spring	1	£5.75
34	N00220213	Friction disc	2	£15.95 ✓	34	N00220213	Friction disc	2	£15.95 ✓
35	N00220216	Free chaining spring	1	£3.20	35	N00220216	Free chaining spring	1	£3.20
36	N00229234	Safety nut	1	£1.12	36	N00229234	Safety nut	1	£1.12
37	N00229288	Safety nut	1	£1.11	37	N00229288	Safety nut	1	£1.11
38	N00220236	Screw	1	£1.11	38	N00220236	Screw	1	£1.11
39	N00220220	Identification plate	1	£6.86	39	N00220221	Identification plate	1	£6.86
40	N09121001	Washer	1	£1.11	40	N09121001	Washer	1	£1.11
41	N09115098	Hex nut	1	£2.38	41	N09115098	Hex nut	1	£2.38
42	N00229293	Chain bolt	1	£9.27 ✓	42	N00229293	Chain bolt	1	£9.27 ✓
43	N00220237	Screw	1	£1.11	43	N00220237	Screw	1	£1.11
44	---	---			44	---	---		
45	---	---			45	---	---		
46	---	---			46	---	---		
47	N00220224	Slip clutch assy.	1	£267.15	47	N00220225	Slip clutch assy.	1	£267.15
48	N00220227	Hub	1	£79.36	48	N00220227	Hub	1	£79.36
49	N00220229	Ratchet	1	£55.73	49	N00220229	Ratchet	1	£55.73
50	N00220230	Disc hub	1	£49.15	50	N00220230	Disc hub	1	£49.15
51	N00220231	Nut	1	£3.68	51	N00220231	Nut	1	£3.68
52	N00220232	Cup spring	1	£10.37	52	N00220232	Cup spring	1	£10.37
53	N00220233	Roller	1	£2.56	53	N00220233	Roller	1	£2.56
54	N00220234	Friction disc (slipping clutch)	2	£26.35	54	N00220234	Friction disc (slipping clutch)	2	£26.35

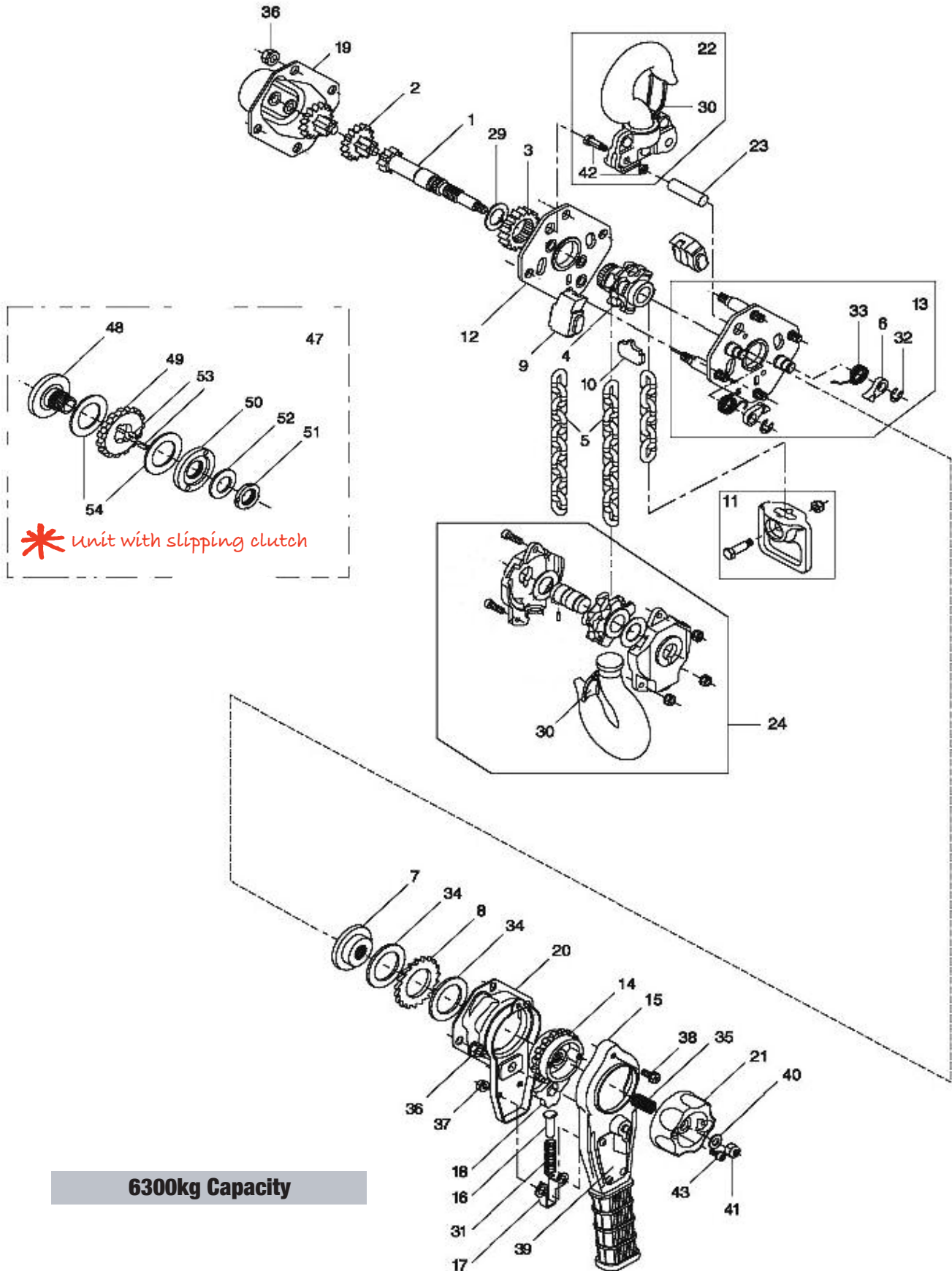
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

PT 6300KG RATCHET LEVER HOIST

* For exploded parts diagram for the 3200kg unit please turn back to page 137



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

* For exploded parts diagram for the 3200kg unit please turn back to page 137

UNOplus-A 750, 1500 & 3000KG LEVER HOIST

**NEW
MODEL**

HOIST ASSEMBLY

750kg Capacity				1500kg Capacity			
Item	Article no.	Description	Qty.	Item	Article no.	Description	Qty.
1	192021100	Gear side plate, assy.	1	1	192021063	Gear side plate, assy.	1
2	192021101	Lever side plate, assy.	1	2	192021062	Lever side plate, assy.	1
3	192049835	Gear case	1	3	192049936	Gear case, assy.	1
4	192049832	Housing cover, assy.	1	4	192049934	Housing cover, assy.	1
5	192049838	Lever handle, assy. (inc. name plate)	1	5	192049937	Lever handle, assy. (incl. name plate)	1
6	192054522	Change over gear	1	6	192054522	Change over gear	1
7	192049848	Hand wheel	1	7	192049848	Hand wheel	1
8	192044517	Drive shaft	1	8	192044632	Drive shaft	1
9	192049859	Disc hub	1	9	192049859	Disc hub	1
10	192061895	Ratchet disc, assy.	1 ✓	10	192061895	Ratchet disc, assy.	1 ✓
11	192049856	Pressure spring	1	11	192049856	Pressure spring	1
12	192044633	Bushing	1	12	192044633	Bushing	1
13	192049845	Chain guide	1	13	192049944	Chain guide	1
14	192049851	Stripper	1	14	192049946	Stripper	1
15	C00002009	Load gear	1	15	C00002105A	Spur gear A, assy.	1
16	C00002005	Spur gear, assy.	2	16	C00002105B	Spur gear B, assy.	1
17	C00002239	Drive shaft washer	1	17	C00002239	Drive shaft washer	1
18	C00002016	Lead sheave	1	18	C00002117	Lead sheave	1
19	C00002034	Top hook shaft	1	19	C00002109	Load gear	1
20	C00002201	Pawl spring	2	20	C00002137	Top hook shaft	1
21	C00002202	Pawl	2	21	C00002201	Pawl spring	2
22	N09108068	Button head screw	1	22	C00002202	Pawl	2
23	N09102257	Cylinder screw	2	23	N09108068	Button head screw	1
24	N09115098	M8/Lock nut	9	24	N09102257	Cylinder screw	2
25	N09115135	M6/Lock nut	2	25	N09115098	Lock nut M8	9
26	N09121200	Washer	1	26	N09115135	Lock nut M6	2
27	N09123040	E-clip	2	27	N09121200	Washer	1
28	192028508	Top hook, assy.	1	28	N09123040	E-clip	2
29	192028509	Lower hook, assy. (incl. 33 + 35)	1 ✓	29	192028524	Top hook, assy.	1
30	C53820	Latch kit, assy.	2 ✓	30	192028525	Lower hook, assy. (incl. 34 + 36)	1 ✓
31	C80175060	Lock ring	1	31	C53821	Latch kit, assy.	2 ✓
32	N02109357	5.6 x 17.1 mm load chain	per mtr ✓	32	C80115060	Lock ring	1
33	C00002036	Lower hook chain bolt	1	33	192034634	7.1 x 21 mm load chain	per mtr ✓
34	C80175061	Cylinder screw	1	34	C80115062	Lower hook chain bolt	1
35	N09115135	Lock nut M6	2	35	C80115061	Cylinder screw	1
				36	N09115098	Lock nut M8	2

HAND LEVER

750kg Capacity				1500kg Capacity			
Item	Article no.	Description	Qty.	Item	Article no.	Description	Qty.
1	192049839	Lever with switch	1	1	192049839	Lever with switch	1
2	C00002226	Change over pawl	1	2	C00002226	Change over pawl	1
3	C00002227	Spring shaft	1	3	C00002227	Spring shaft	1
4	C00002228	Pressure spring	1	4	C00002228	Pressure spring	1
5	C00002136	Rubber grip	1	5	C00002136	Rubber grip	1
6	C85000630	Grip fastener	1	6	C85000630	Grip fastener	1
7	C85000629	Grip fastener screw	1	7	C85000629	Grip fastener screw	1
8	192049840	Name plate	1	8	192049939	Name plate	1
9	N09128003	Round head grooved pin	4	9	N09128003	Round head grooved pin	4

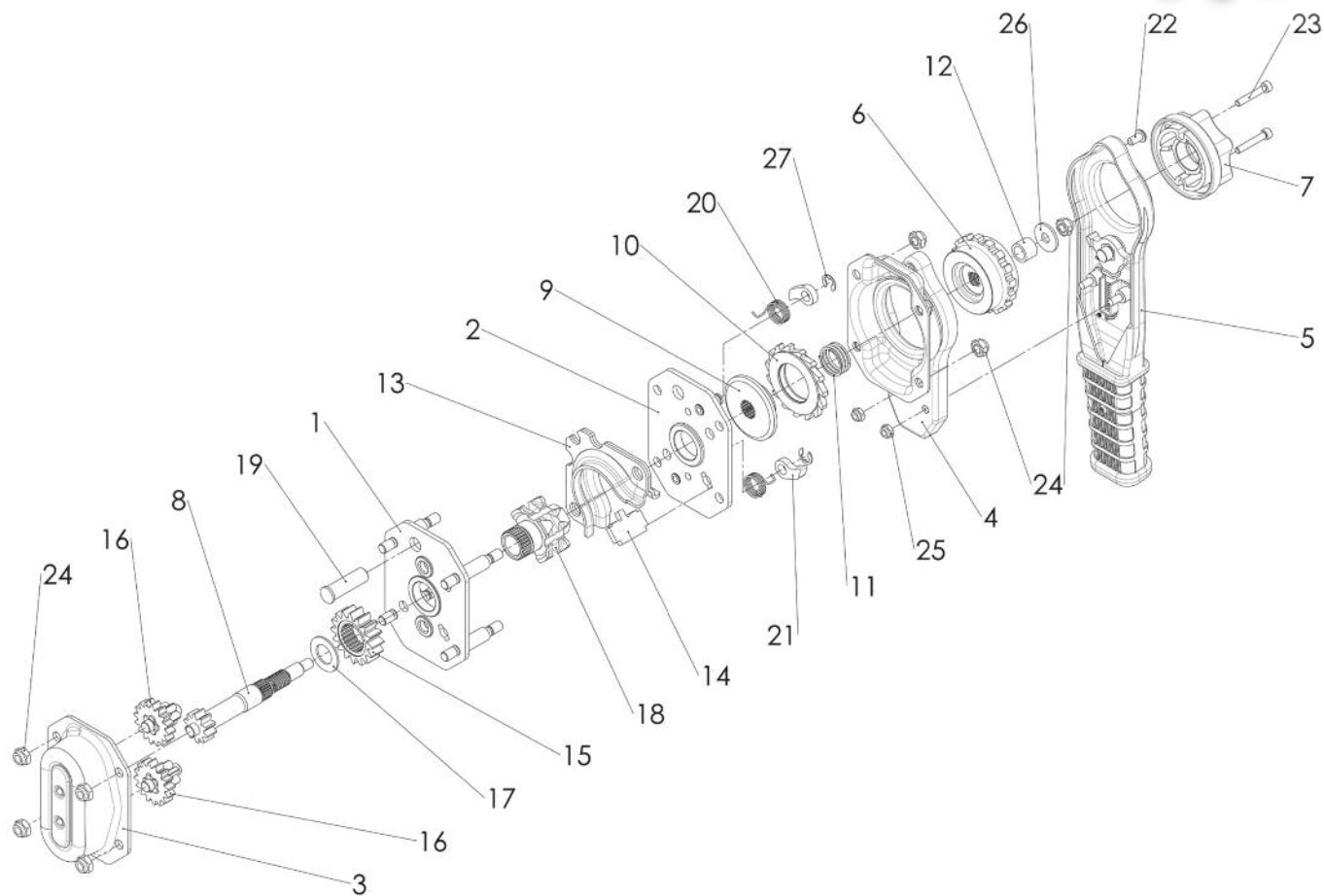
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

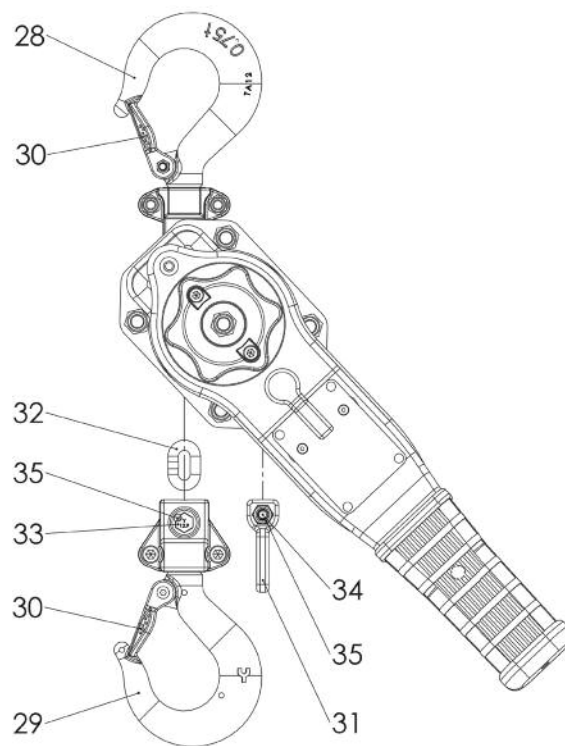
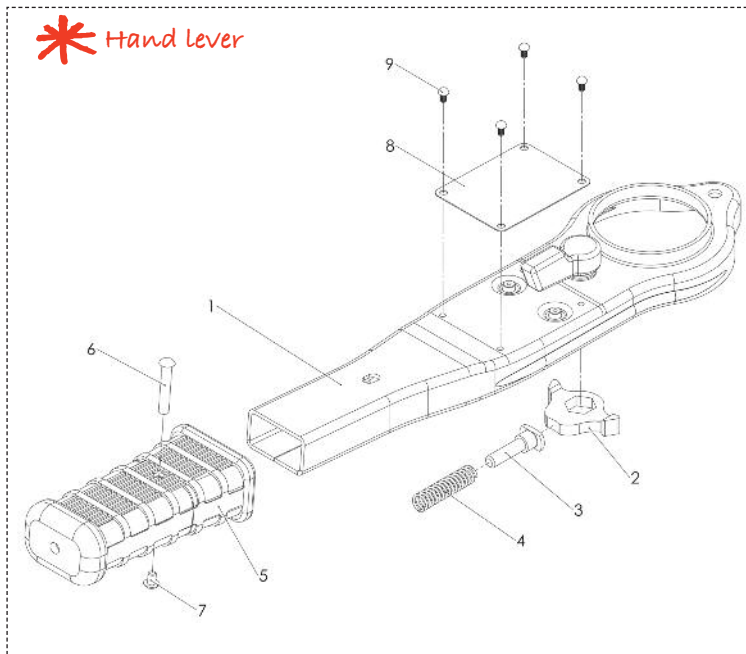
NB: Any prices shown are per individual part.

UNOplus-A 750, 1500 & 3000KG LEVER HOIST

**NEW
MODEL**



*** Hand lever**



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

UNOplus-A 3000KG & 6000KG RATCHET LEVER

**NEW
MODEL**

HOIST ASSEMBLY

3000kg Capacity				6000kg Capacity			
Item	Article no.	Description	Qty.	Item	Article no.	Description	Qty.
1	N00230506	Gear side plate, assy.	1	1	N00230506	Gear side plate, assy.	1
2	N00230507	Lever side plate, assy.	1	2	N00230507	Lever side plate, assy. (without pos.20)	1
3	192050021	Gear case, assy.	1	3	192050021	Gear case, assy.	1
4	192050019	Housing cover, assy.	1	4	192050019	Housing cover, assy./Carter frein, ass.	1
5	192050022	Lever handle, assy. (incl. name plate)	1	5	192050578	Lever handle, assy. (incl. name plate)	1
6	192054524	Change over gear	1	6	192054524	Change over gear	1
7	192050034	Hand wheel	1	7	192050034	Hand wheel	1
8	192044676	Drive shaft	1	8	192044676	Drive shaft	1
9	192050037	Disc hub	1	9	192050037	Disc hub	1
10	192061897	Ratchet disc, assy.	1 ✓	10	192061897	Ratchet disc, assy.	1 ✓
11	192050035	Pressure spring	1	11	192050035	Pressure spring	1
12	192044678	Bushing	1	12	192044678	Bushing	1
13	192050029	Chain guide	1	13	192050029	Chain guide	1
14	192050032	Stripper	1	14	192050032	Stripper	1
15	192040786	Pawl spring	2	15	192040786	Pawl spring	2
16	C00002305	Load gear, assy.	2	16	C00002305	Load gear, assy.	2
17	C00002374	Lead sheave, assy.	1	17	C00002374	Lead sheave, assy.	1
18	C00002309	Load gear	1	18	C00002309	Load gear	1
19	C00002331	Top hook shaft	1	19	C00002331	Top hook shaft	1
20	C00002312	Liftwheel bearing (outer ring + rollers)	2	20	C00002312	Liftwheel bearing (outer ring + rollers)	2
21	C00002336	Pawl	2	21	C00002336	Pawl	2
22	C00002361	Drive shaft washer	1	22	C00002361	Drive shaft washer	1
23	N09108069	Button head screw	1	23	N09108069	Button head screw	1
24	N09102257	Cylinder screw	2	24	N09102257	Cylinder screw	2
25	N09115036	Lock nut M10	1	25	N09115036	Lock nut M10	1
26	N09115098	Lock nut M8	10	26	N09115098	Lock nut M8	10
27	N09121045	Washer	1	27	N09121045	Washer	1
28	N09123046	E-clip	2	28	N09123046	E-clip	2
29	192028532	Top hook, assy.	1	29	C00002381	Top hook, assy.	1
30	192028533	Lower hook, assy. (incl. 34 + 36)	1 ✓	30	C00002377	Lower hook, assy. (incl. 34 + 36)	1 ✓
31	C53822	Latch kit, assy.	2 ✓	31	C53940	Latch kit, assy.	2 ✓
32	C80130060	Lock ring	1	32	C80130060	Lock ring	1
33	192046315	10 x 28 mm load chain	per mtr ✓	33	192046315	10 x 28 mm load chain	per mtr ✓
34	C80130062	Lower hook chain bolt	1	34	C80160068	Lower hook chain bolt	1
35	C80130061	Cylinder screw	1	35	C80130061	Cylinder screw	1
36	N09115036	Lock nut M10	2	36	N09115115	Lock nut M12	1
				37	N09115036	Lock nut M10	1

HAND LEVER

3000kg Capacity				6000kg Capacity			
Item	Article no.	Description	Qty.	Item	Article no.	Description	Qty.
1	192050023	Lever with switch	1	1	192050023	Lever with switch	1
2	C00002353	Change over pawl	1	2	C00002353	Change over pawl	1
3	C80115052	Spring shaft	1	3	C80115052	Spring shaft	1
4	C80115053	Pressure spring	1	4	C80115053	Pressure spring	1
5	C00002136	Rubber grip	1	5	C00002136	Rubber grip	1
6	C85000720	Grip fastener	1	6	C85000720	Grip fastener	1
7	C85000629	Grip fastener screw	1	7	C85000629	Grip fastener screw	1
8	192050024	Name plate	1	8	192050577	Name plate	1
9	N09128003	Round head grooved pin	4	9	N09128003	Round head grooved pin	4

✓ = Recommended spares if applicable.

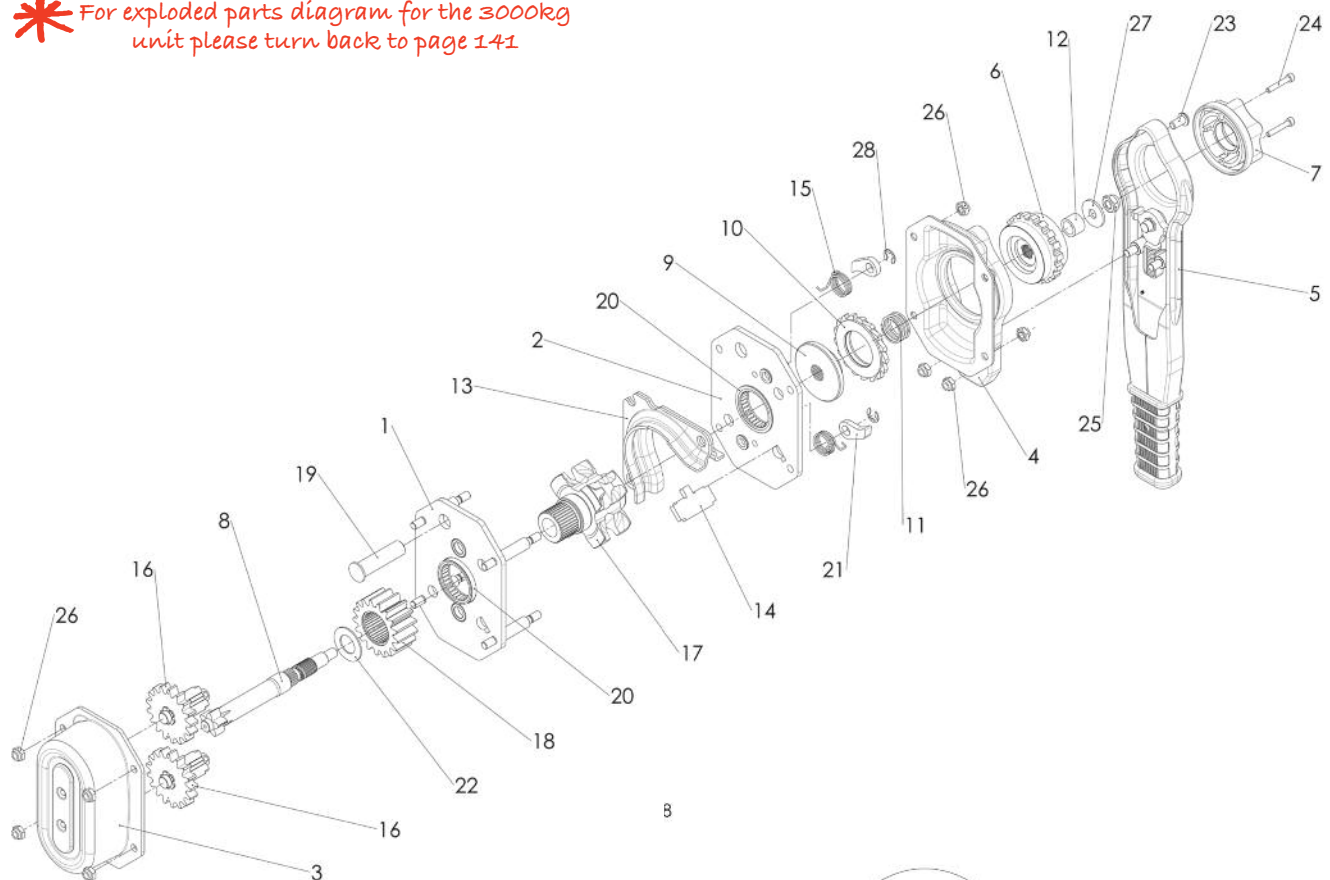
NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

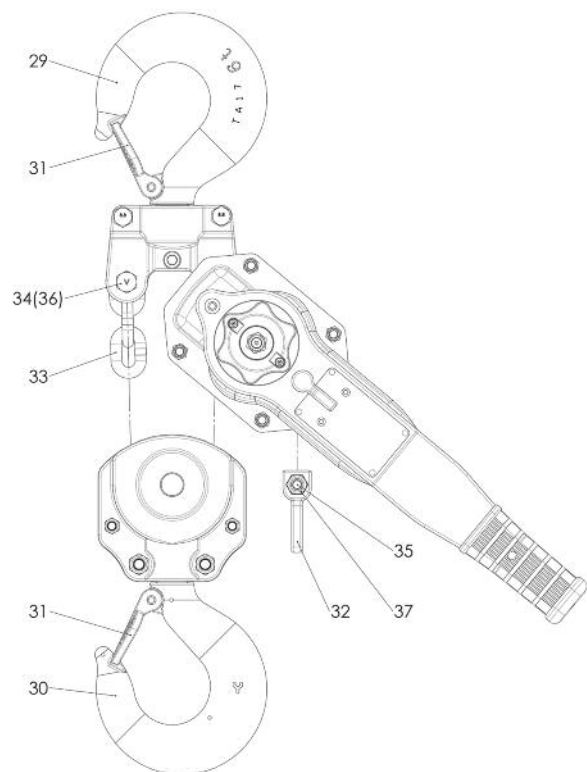
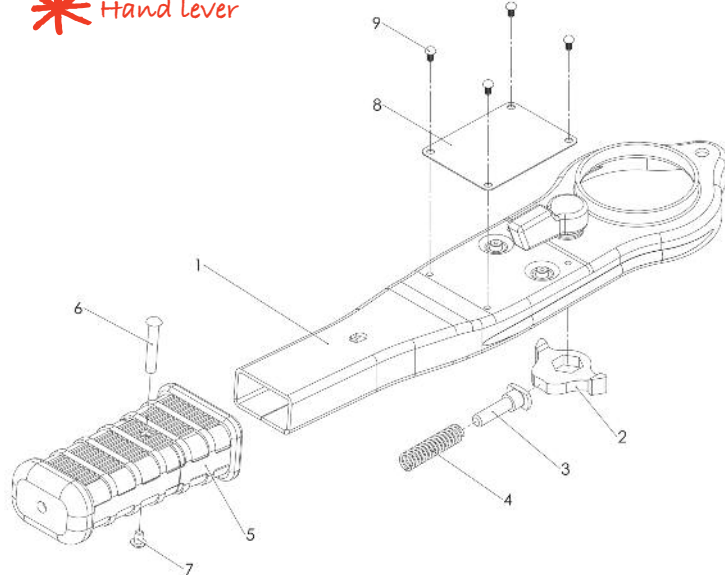
UNOplus-A 6000KG RATCHET LEVER HOISTS

**NEW
MODEL**

* For exploded parts diagram for the 3000kg unit please turn back to page 141



* Hand lever



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yaletrac® 800KG, Y08 'HEAVY DUTY' CABLE PULLER

800kg Capacity (Y08)

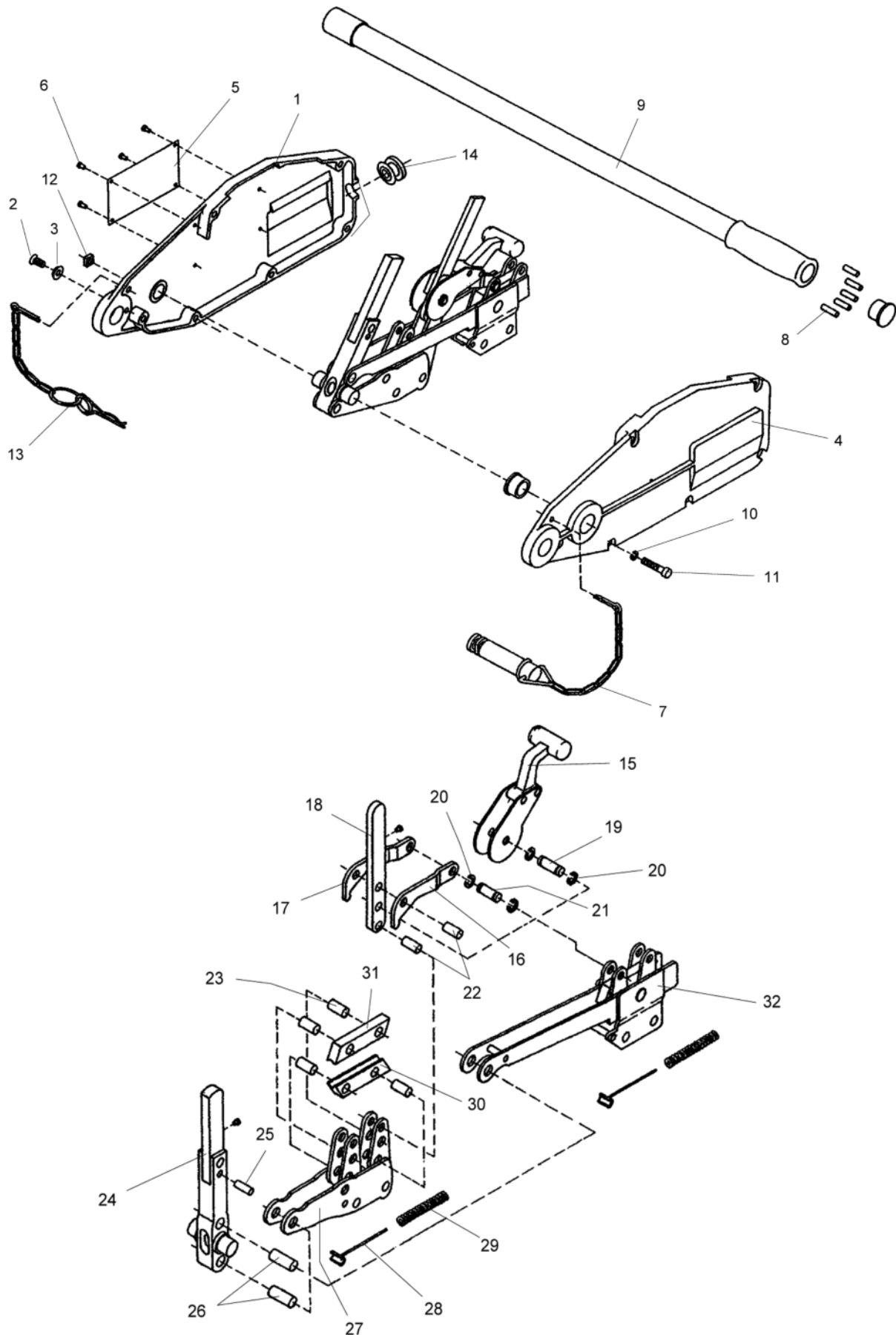
Item	Article no.	Description	Qty.	Price £ each
1-3	N00240019	RH body assembly	1	£173.43
2	N09104072	Counter sunk screw	1	£1.11
3	N00246385	Washer	1	£1.12
4	N00240020	LH body assembly	1	£173.41
5	N00246363	Name plate	1	£7.32
6	N09128007	Rivet	4	£1.11
7	N00240022	Anchor pin with safety chain	1	£25.55
8	N00240024	Shearing pin	5	£1.11 ✓
9	N00240025	Operating lever assembly	1	£35.77
10	N09122018	Retaining ring	6	£1.11
11	N09102066	Cylinder head screw	6	£1.11
12	N09116005	Square nut	6	£1.11
13	N00240042	Spring cotter assembly	1	£5.60
14	N00240100	Rope entry guide	1	£3.09
15	N00240031	Clamp opening lever	1	£37.20
16	N00240038	Left push lever	1	£10.85
17	N00240037	Right push lever	1	£10.85
18	N00240036	Reverse lever	1	£11.33
19	N00240040	Shaft	1	£4.00
20	N09123052	Lock washer	4	£1.11
21	N00240035	Shaft	1	£4.00
22	N00240039	Shaft	2	£3.83
23	N00240030	Pressure pin	10	£7.99
24	N00240023	Forward lever assembly	1	£36.41
25	N00240024	Shear pin	1	£1.11
26	N00240032	Shaft	2	POA
27	N00240026	Front cradle assembly	1	£8.95
28	N00240033	Spring guide	2	£1.11
29	N00240034	Spring	2	£1.34
30	N00240029	Lower clamp grip	2	POA
31	N00240028	Upper clamp grip	1	POA
32	N00240027	Rear cradle assembly	1	£9.34

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yaletrac® 800KG, Y08 'HEAVY DUTY' CABLE PULLER



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yaletrac® 1600KG, Y16 'HEAVY DUTY' CABLE PULLER

1600kg Capacity (Y16)

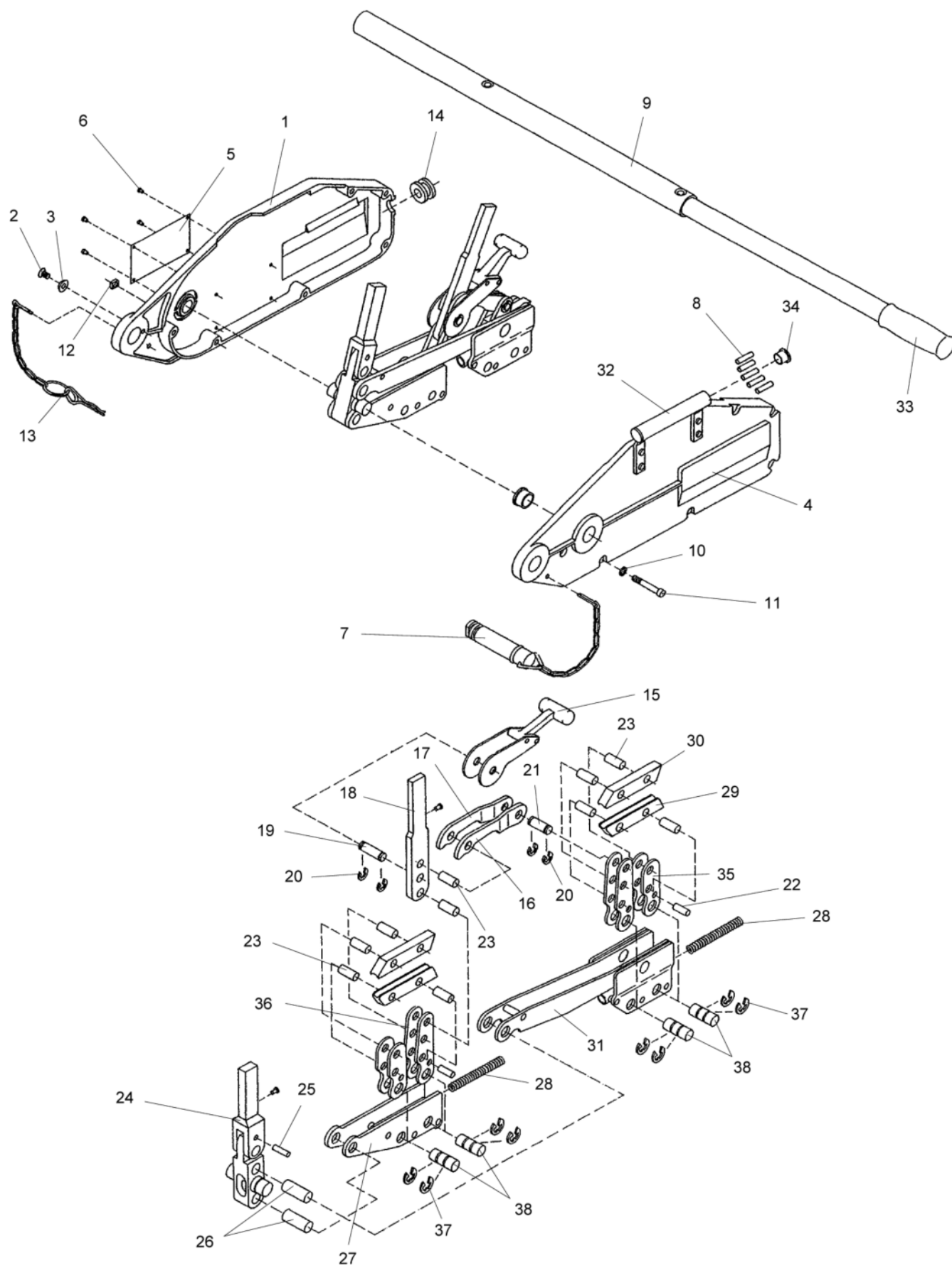
Item	Article no.	Description	Qty.	Price £ each
1-3	N00240045	RH body assembly	1	£173.41
2	N09104072	Counter sunk screw	1	£1.11
3	N00246385	Washer	1	£1.12
4	N00240047	LH body assembly	1	£173.41
5	N00240046	Name plate	1	£7.32
6	N09128007	Rivet	4	£1.11
7	N00240051	Anchor pin with safety chain	1	£25.55
8	N00240050	Shearing pin	5	£1.11 ✓
9	N00240053	Operating lever assembly	1	£91.82
10	N09122018	Retaining ring	6	£1.11
11	N09102175	Cylinder head screw	6	£1.11
12	N09116005	Square nut	6	£1.11
13	N00240042	Spring cotter assembly	1	£5.60
14	N00240059	Rope entry guide	1	£9.54
15	N00240058	Clamp opening lever	1	£37.20
16	N00240071	Left push lever	1	£10.85
17	N00240070	Right push lever	1	£10.85
18	N00240057	Reverse lever	1	£11.33
19	N00240072	Shaft	1	£4.00
20	N09123073	Lock washer	4	£1.11
21	N00240074	Shaft	1	£4.00
22	N00240063	Shaft	2	£3.83
23	N00240064	Pressure pin	10	£7.99
24	N00240052	Forward lever assembly	1	£36.41
25	N00240050	Shear pin	1	£1.11
26	N00240060	Shaft	2	£10.85
27	N00240054	Front cradle assembly	1	£113.72
28	N00240061	Spring	2	£17.41
29	N00240069	Lower clamp grip	2	£25.71
30	N00240068	Upper clamp grip	2	£25.71
31	N00240056	Rear cradle assembly	1	£41.84
32	N00240049	Hand grip assembly	1	£46.95
33	N00246418	Rubber hand grip	1	£4.59
34	N00240048	Cap	1	£1.11
35	N00240065	Lever for clamp (short)	1	POA
36	N00240066	Lever for clamp (long)	1	POA
37	N00240067	Circlip	1	£1.11
38	N00240062	Bearing bolt	1	POA

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yaletrac® 1600KG, Y16 'HEAVY DUTY' CABLE PULLER



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yaletrac® 3200KG, Y32 'HEAVY DUTY' CABLE PULLER

3200kg Capacity (Y32)

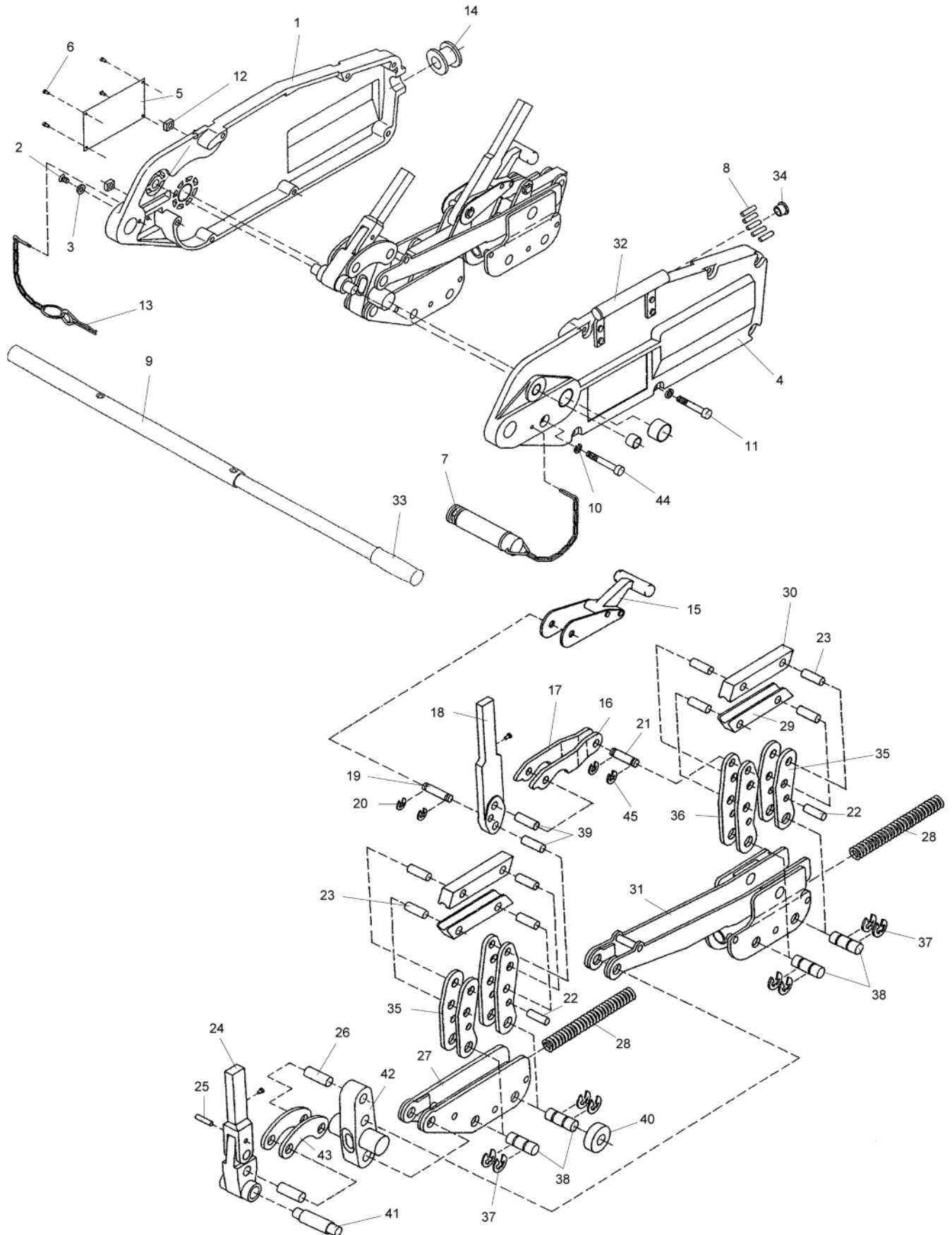
Item	Article no.	Description	Qty.	Price £ each
1-3	N00240101	RH body assembly	1	£2307.86
2	N09104072	Counter sunk screw	1	£1.11
3	N00246385	Washer	1	£1.12
4	N00240102	LH body assembly	1	£262.52
5	N00246365	Name plate	1	£7.65
6	N09128007	Rivet	4	£1.11
7	N00240103	Anchor pin with safety chain	1	£58.75
8	N00240050	Shear pin	5	£1.11 ✓
9	N00240053	Operating lever assembly	1	£91.82
10	N09122016	Retaining ring	7	£1.11
11	N09102214	Cylinder head screw	6	£2.03
12	N09116001	Square nut	7	£1.61
13	N00240042	Spring cotter assembly	1	£5.75
14	N00240107	Rope entry guide	1	£4.94
15	N00240108	Clamp opening lever	1	£57.80
16	N00240109	Left push lever	1	£7.35
17	N00240110	Right push lever	1	£7.35
18	N00240111	Reverse lever	1	£19.96
19	N00240112	Shaft	1	£1.27
20	N09123046	Lock washer	2	£1.61
21	N00240113	Shaft	1	£1.11
22	N00240114	Shaft	2	£1.11
23	N00240115	Pressure pin	8	£1.11
24	N00240116	Forward lever assembly	1	£43.12
25	N00240050	Shear pin	1	£1.11
26	N00240117	Shaft	2	£2.55
27	N00240118	Front cradle assembly	1	£20.60
28	N00240119	Spring	2	£8.62
29	N00240120	Lower clamp grip	2	£20.78
30	N00240121	Upper clamp grip	2	£20.44
31	N00240122	Rear cradle assembly	1	£25.27
32	N00240123	Hand grip assembly	1	POA
33	N00240124	Rubber hand grip	1	£3.20
34	N00240125	Cap	2	£1.67
35	N00240126	Lever for clamp (short)	4	£14.22
36	N00240127	Lever for clamp (long)	4	£15.48
37	N09123038	Lock washer	8	£1.11
38	N00240128	Bearing pin	4	£1.61
39	N00240129	Lever pin	2	£1.92
40	N00240130	Spacer	1	£2.24
41	N00240131	Pivot pin	1	£13.42
42	N00240132	Pinion body	1	£21.56
43	N00240133	Forward lever cam plates	2	£3.68
44	N09102110	Cap head screw	1	£2.64
45	N09123037	Lock washer	2	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yaletrac® 3200KG, Y32 'HEAVY DUTY' CABLE PULLER



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yalelift 360® MK III, 500 & 1000KG

500kg Capacity

Item	Article no.	Description	Qty.	£ each
1	N00401277	Side plate, assy. (left)	1	POA
2	N00400419	Side plate, assy. (right)	1	£4.77
3	N00401309	Load sheave, assy.	1	£32.71
4	N00400355	End cover	2	£26.32
5	N00400347	Distance bolt	4	£6.84
6	N00400328	Chain guide	1	£19.65
7	N00400327	Stripper	1	£3.01
8	N00400329	Bearing	2	£7.01
9	N00400607	Gear Z4	1	£9.31
10	N00400356	Gear A, assy.	1	£3.31
11	N00401113	Gear B, assy.	1	£3.53
12	N00401290	Drive pinion	1	£12.77
13	N00400354	Suspension bolt	1	£1.26
14	N00400344	Upper hook, assy.	1	£55.93
15	N00400449	Safety latch kit, assy.	2	£10.72 ✓
16	N00400342	Bottom block, assy.	1	£52.86 ✓
17	N00400434	Chain bolt, assy.	1	£3.68 ✓
18	N04300008	Load chain (per mtr)	1	£14.20
19	N00400422	Chain end stop, assy.	1	POA
20	N00401822	Ratchet disc	1	£4.52
21	N00401224	Pawl	2	£7.32
22	N00401226	Spring	2	£1.11 ✓
23	N09129031	Retaining ring	2	£1.73 ✓
24	N00401294	Friction disc	2	£7.71 ✓
25	N09129033	Retaining ring	1	£1.11
26	N00401823	Disc hub	1	£9.90
27	N00401400	Hand chain wheel	1	£19.26
28	N09121001	Washer	1	£1.11
29	N09117059	Castle nut	1	£1.11
30	N09125014	Cotter pin	1	£1.11
31	N00401404	Hand chain wheel cover	1	£9.48
32	N00400346	Hand chain guide	1	£13.19
33	N00400359	Supporting plate	1	£2.56
34	N09102264	Screw	8	£1.18
35	N00401412	Cap	1	£7.02
36	N09102219	Screw	3	£1.11
37	N00400416	Gear cover, assy.	1	£28.74
38	N04307654	Hand chain (per mtr)	1	£5.57
39	N00404733	Connecting link	1	£3.20 ✓
40	N00400540	Name plate	1	£6.39 ✓
41	N09126072	Round head grooved pin	4	£1.11
42	N00401844	Conversion kit Ratchet disc	1	POA

1000kg Capacity

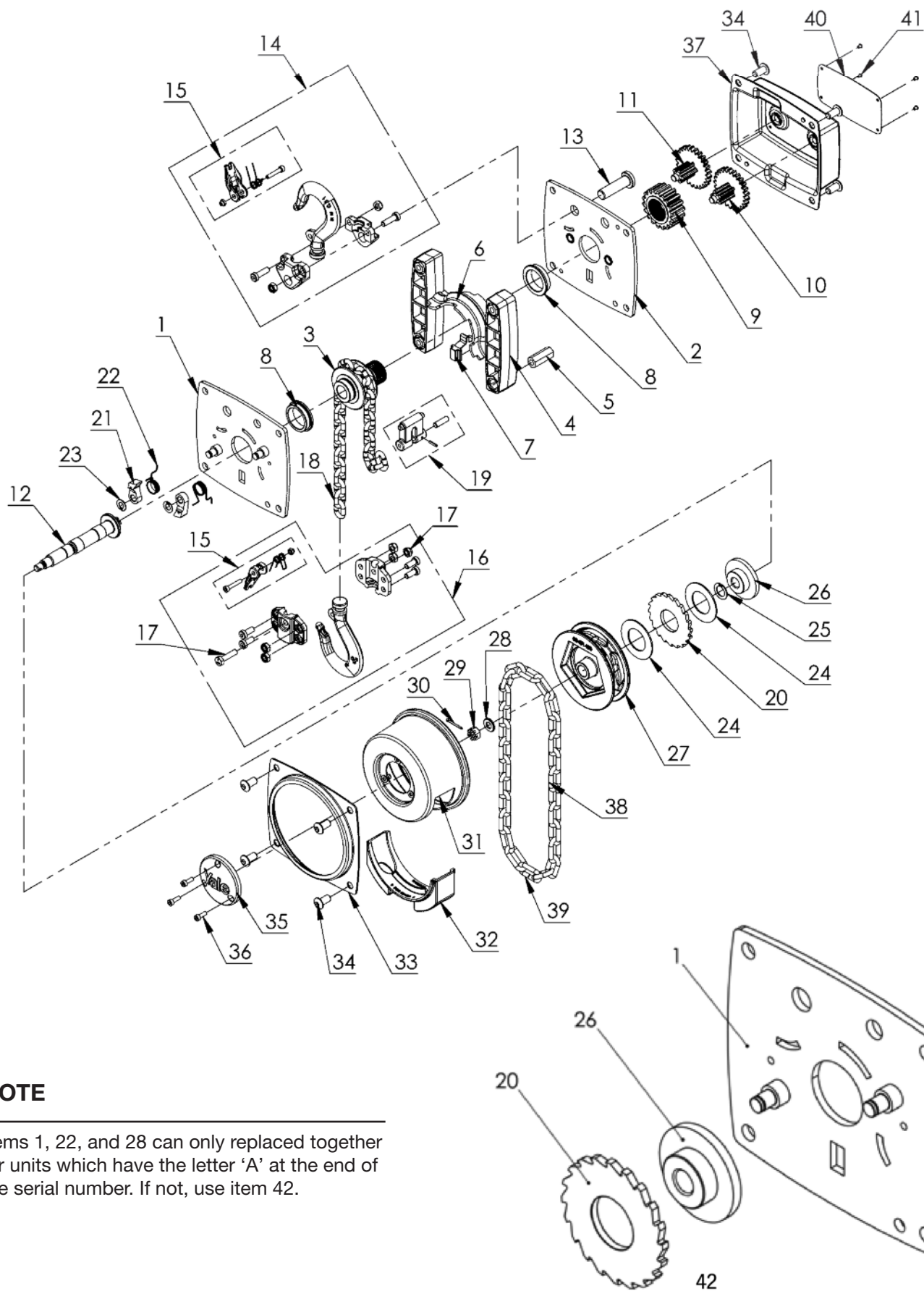
Item	Article no.	Description	Qty.	£ each
1	N00401231	Side plate, assy. (left)	1	POA
2	N00400420	Side plate, assy. (right)	1	POA
3	N00401272	Load sheave, assy.	1	£39.92
4	N00400267	End cover	2	£28.82
5	N00400269	Distance bolt	4	£7.14
6	N00400240	Chain guide	1	£23.11
7	N00400229	Stripper	1	£5.28
8	N09151142	Bearing	2	POA
9	N00401296	Gear Z4	1	£13.01
10	N00400259	Gear A, assy.	1	£3.75
11	N00400260	Gear B, assy.	1	£3.75
12	N00401230	Drive pinion	1	£17.23
13	N00400270	Suspension bolt	1	£3.68
14	N00400272	Upper hook, assy.	1	£54.86
15	N00400450	Safety latch kit, assy.	2	£10.72 ✓
16	N00400274	Bottom block, assy.	1	£62.07 ✓
17	N00400435	Chain bolt, assy.	1	£4.44 ✓
18	N04307635	Load chain (per mtr)	1	£14.20
19	N00400423	Chain end stop, assy.	1	£5.15
20	N00401806	Ratchet disc	1	POA
21	N00401224	Pawl	2	£7.32
22	N00401226	Spring	2	£1.11 ✓
23	N09129031	Retaining ring	2	£1.73 ✓
24	N00401534	Friction disc	2	£10.74 ✓
25	N09129008	Retaining ring	1	£1.11
26	N00401805	Disc hub	1	£10.50
27	N00401360	Hand chain wheel	1	£23.23
28	N09121006	Washer	1	£1.11
29	N09117058	Castle nut	1	£1.11
30	N09125069	Cotter pin	1	£1.11
31	N00401322	Hand chain wheel cover	1	£13.19
32	N00400263	Hand chain guide	1	£22.59
33	N00400266	Supporting plate	1	£3.26
34	N09102264	Screw	8	£1.18
35	N00401320	Cap	1	£7.02
36	N09102219	Screw	3	£1.11
37	N00400417	Gear cover, assy.	1	£28.74
38	N04307654	Hand chain (per mtr)	1	£5.57
39	N00404733	Connecting link	1	£3.20 ✓
40	N00400541	Name plate	1	£6.39 ✓
41	N09126072	Round head grooved pin	4	£1.11
42	N00401845	Conversion kit Ratchet disc	1	POA

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yalelift 360[®] MK III, 500 & 1000KG



NOTE

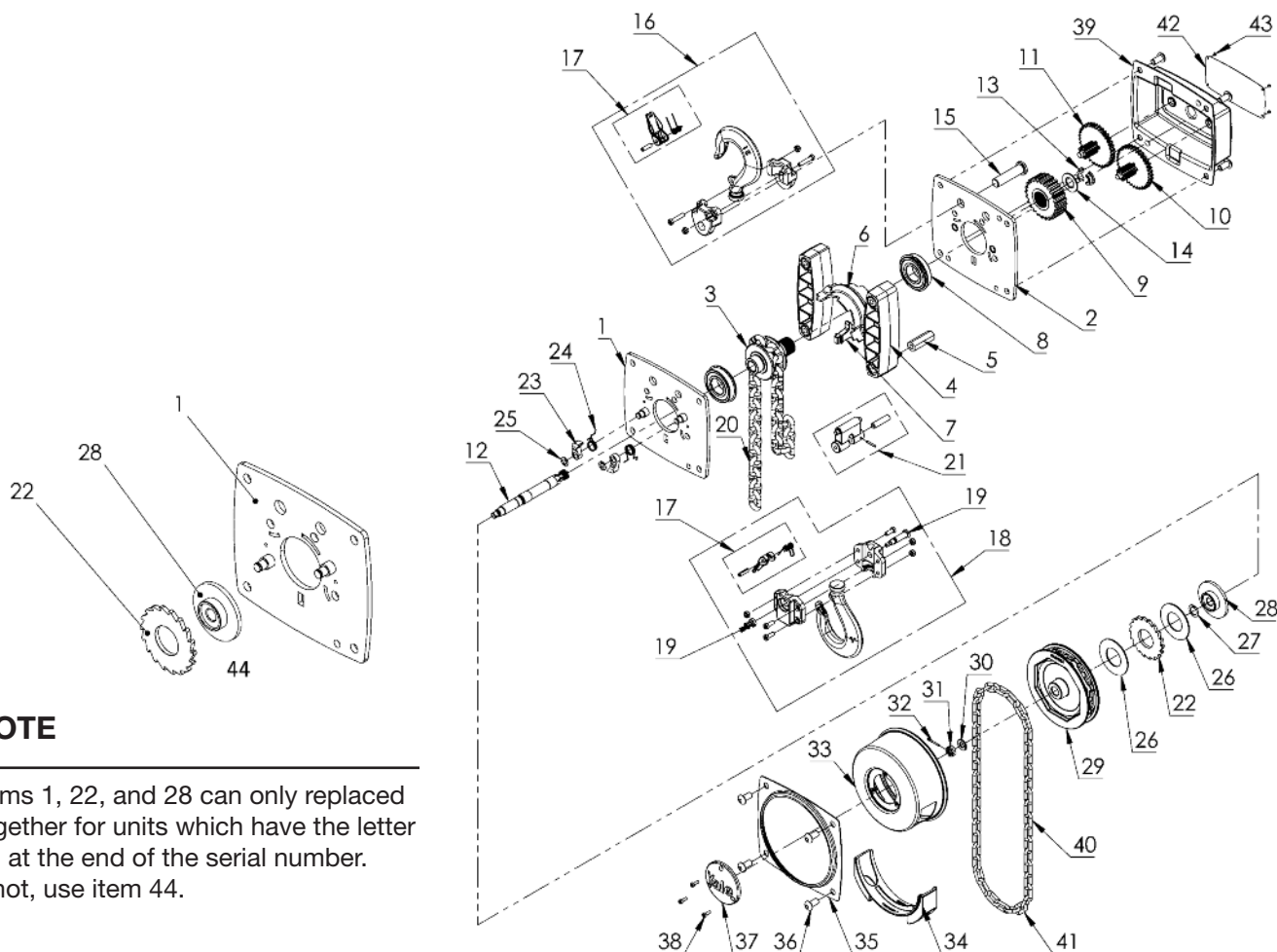
Items 1, 22, and 28 can only be replaced together for units which have the letter 'A' at the end of the serial number. If not, use item 42.

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yalelift 360® MK III, 2000KG



NOTE

Items 1, 22, and 28 can only be replaced together for units which have the letter 'A' at the end of the serial number. If not, use item 44.

Item	Article no.	Description	Qty.	£ each
1	N00401246	Side plate, assy. (left)	1	POA
2	N00400421	Side plate, assy. (right)	1	POA
3	N00401250	Load sheave, assy.	1	£71.44
4	N00400305	End cover	2	£36.41
5	N00400306	Distance bolt	4	£6.56
6	N00400287	Chain guide	1	£25.88
7	N00400280	Stripper	1	£6.39
8	N09151109	Bearing	2	£6.92
9	N00400278	Gear Z4	1	£32.22
10	N00400298	Gear A, assy.	1	£7.20
11	N00400298	Gear B, assy.	1	POA
12	N00401245	Drive pinion	1	£20.91
13	N00401242	Locating ring	2	£1.11
14	N00401243	Washer	1	£1.11
15	N00400307	Suspension bolt	1	£4.80
16	N00400281	Upper hook, assy.	1	£69.43
17	N00400451	Safety latch kit, assy.	2	£10.85 ✓
18	N00400309	Bottom block, assy.	1	£94.68 ✓
19	N00400436	Chain bolt, assy.	1	£5.91 ✓
20	N04307642	Load chain (per mtr)	1	£16.71
21	N00400424	Chain end stop, assy.	1	£7.08
22	N00401826	Ratchet disc	1	£11.29

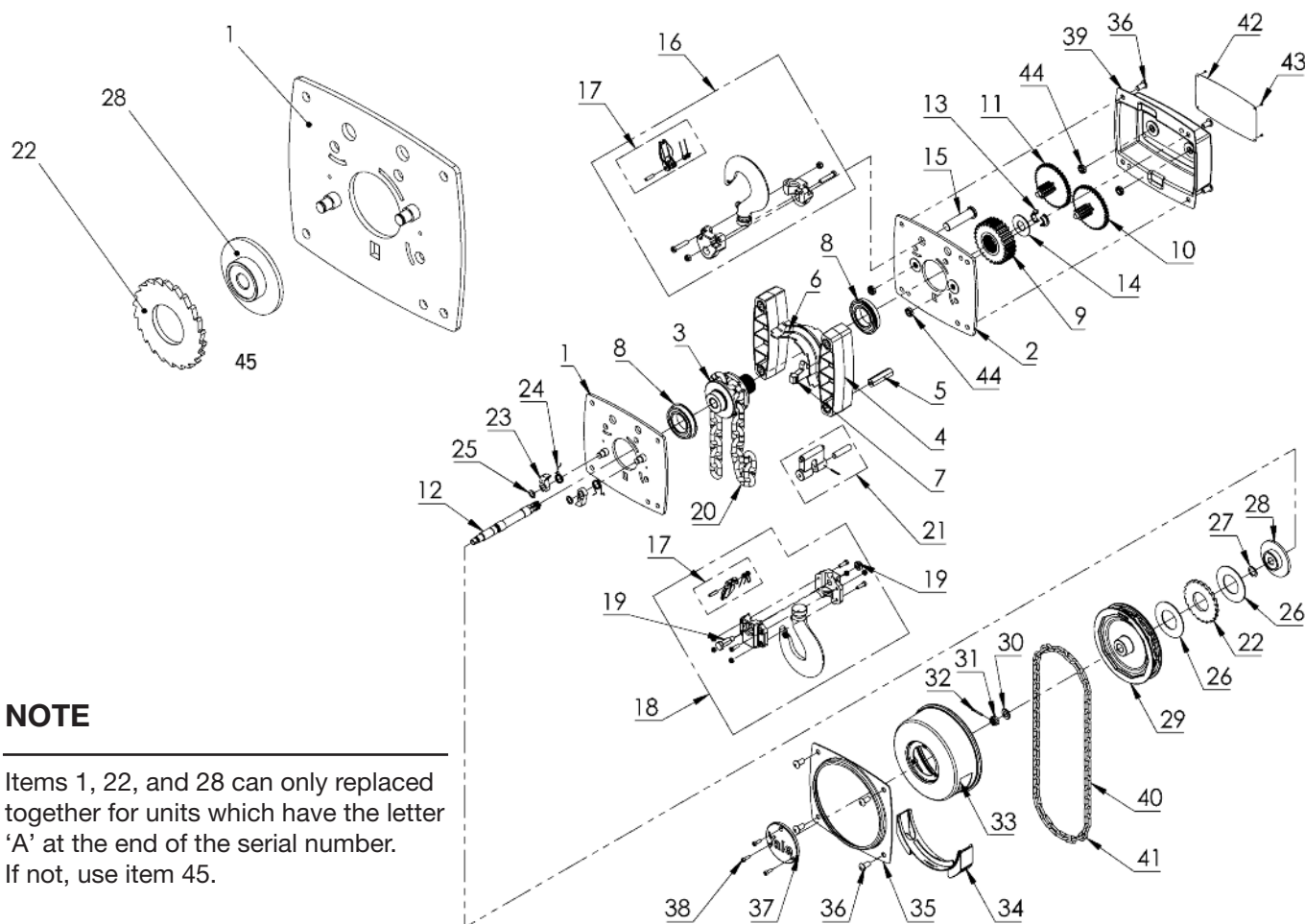
Item	Article no.	Description	Qty.	£ each
23	N00401239	Pawl	2	£5.65
24	N00401241	Spring	2	£1.11 ✓
25	N09129042	Retaining ring	2	£1.11 ✓
26	N00400462	Friction disc	2	£18.33 ✓
27	N09129008	Retaining ring	1	£1.40
28	N00401827	Disc hub	1	£8.03
29	N00401348	Hand chain wheel	1	£54.35
30	N09121006	Washer	1	£1.40
31	N09117058	Castle nut	1	£1.11
32	N09125069	Cotter pin	1	POA
33	N00401344	Hand chain wheel cover	1	£10.74
34	N00400301	Hand chain guide	1	£22.51
35	N00400304	Supporting plate	1	£17.09
36	N09108020	Screw	8	£5.91
37	N00401331	Cap	1	£7.02
38	N09102219	Screw	3	£1.11
39	N00400418	Gear cover, assy.	1	£28.74
40	N04307654	Hand chain (per mtr)	1	£5.57
41	N00404733	Connecting link	1	£3.20 ✓
42	N00400542	Name plate	1	£6.39 ✓
43	N09126072	Round head grooved pin	4	POA
44	N00101846	Conversion kit ratchet disc	1	POA

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yalelift 360® MK III, 3000KG



NOTE

Items 1, 22, and 28 can only be replaced together for units which have the letter 'A' at the end of the serial number. If not, use item 45.

Item	Article no.	Description	Qty.	£ each
1	N00401259	Side plate, assy. (left)	1	£14.57
2	N00400642	Side plate, assy. (right)	1	POA
3	N00401266	Load sheave, assy.	1	£75.84
4	N00400472	End cover	2	£9.43
5	N00400471	Distance bolt	4	£1.11
6	N00400453	Chain guide	1	£32.42
7	N00400465	Stripper	1	£7.82
8	N09151121	Bearing	2	£57.80
9	N00400456	Gear Z4	1	POA
10	N00400475	Gear A, assy.	1	£10.33
11	N00400476	Gear B, assy.	1	£8.10
12	N00401260	Drive pinion	1	£22.77
13	N00401261	Locating ring	2	£1.27
14	N00401255	Washer	1	£1.11
15	N00400482	Suspension bolt	1	£3.08
16	N00400478	Upper hook, assy.	1	£79.27
17	N00400647	Safety latch kit, assy.	2	£15.58 ✓
18	N00400480	Bottom block, assy.	1	£154.25 ✓
19	N00400828	Chain bolt, assy.	1	£1.58 ✓
20	N04307647	Load chain (per mtr)	1	£30.57
21	N00400643	Chain end stop, assy.	1	£8.45
22	N00401830	Ratchet disc	1	£20.61
23	N00401252	Pawl	2	£7.04

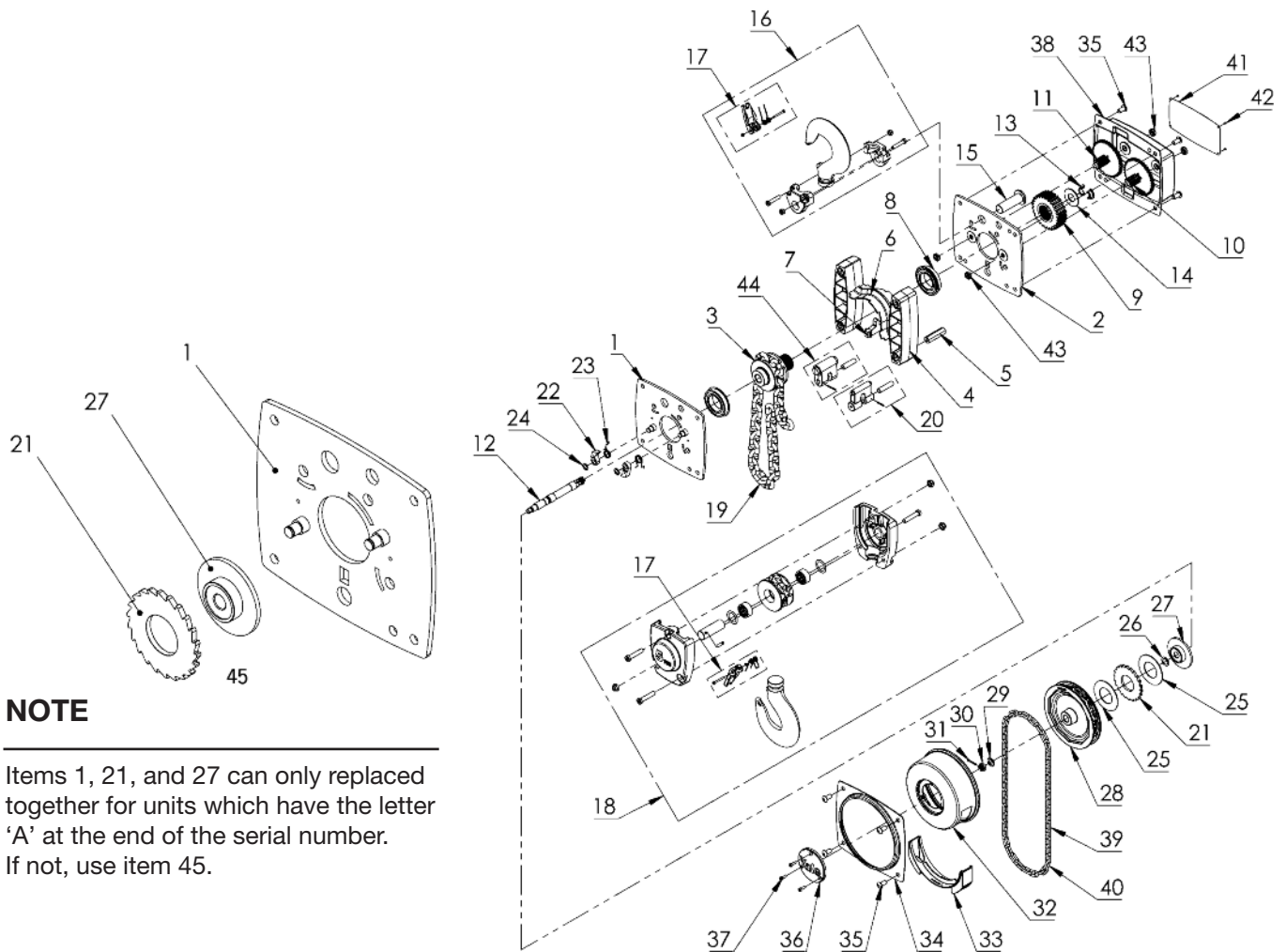
Item	Article no.	Description	Qty.	£ each
24	00401264	Spring	2	£1.11 ✓
25	09129038	Retaining ring	2	£3.20 ✓
26	00404732	Friction disc	2	£20.03 ✓
27	09129024	Retaining ring	1	£3.20
28	00401831	Disc hub	1	£11.35
29	00401357	Hand chain wheel	1	£11.35
30	09121010	Washer	1	£1.40
31	09117057	Castle nut	1	£1.11
32	09125042	Cotter pin	1	£1.11
33	00401349	Hand chain wheel cover	1	£29.53
34	00400468	Hand chain guide	1	£25.21
35	00400470	Supporting plate	1	£19.67
36	09108020	Screw	8	£9.54
37	00401338	Cap	1	£7.02
38	09102199	Screw	3	£1.11
39	00400641	Gear cover, assy.	1	£31.89
40	04307654	Hand chain (per mtr)	1	£5.64
41	00404733	Connecting link	1	£3.20 ✓
42	00400543	Name plate	1	£7.14 ✓
43	09126072	Round head grooved pin	4	£1.11
44	00400756	Roller set	1	POA
45	00101847	Conversion kit Ratchet disc	1	POA

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yalelift 360® MK III, 5000KG



NOTE

Items 1, 21, and 27 can only be replaced together for units which have the letter 'A' at the end of the serial number. If not, use item 45.

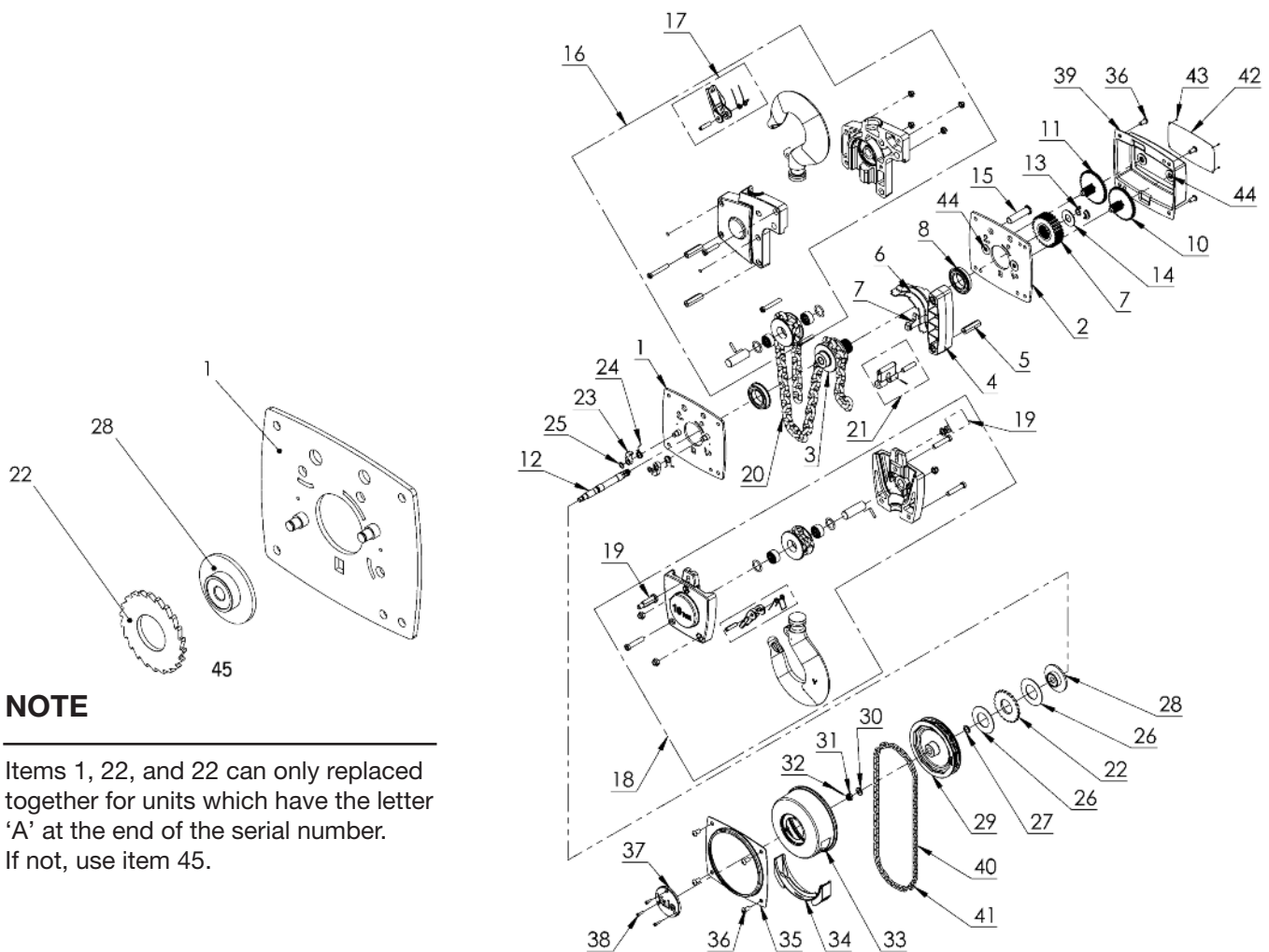
Item	Article no.	Description	Qty.	£ each	Item	Article no.	Description	Qty.	£ each
1	N00401270	Side plate, assy. (left)	1	£16.27	24	N09129038	Retaining ring	2	£3.20 ✓
2	N00400957	Side plate, assy. (right)	1	£21.99	25	N00404732	Friction disc	2	£13.57 ✓
3	N00401266	Load sheave, assy.	1	£67.19	26	N09129024	Retaining ring	1	£3.20 ✓
4	N00400472	End cover	2	£9.42	27	N00401831	Disc hub	1	£10.31
5	N00400471	Distance bolt	4	£1.11	28	N00401357	Hand chain wheel	1	£30.78
6	N00400453	Chain guide	1	£32.42	29	N09121010	Washer	1	£1.11
7	N00400465	Stripper	1	£7.82	30	N09117057	Castle nut	1	£1.11
8	N09151121	Bearing	2	£55.18	31	N09125042	Cotter pin	1	£1.11
9	N00400456	Gear Z4	1	£29.23	32	N00401349	Hand chain wheel cover	1	£29.53
10	N00400475	Gear A, assy.	1	£8.98	33	N00400468	Hand chain guide	1	£7.89
11	N00400476	Gear B, assy.	1	£7.71	34	N00400470	Supporting plate	1	£6.00
12	N00401260	Drive pinion	1	£19.90	35	N09108020	Screw	8	£9.54
13	N00401261	Locating ring	2	£1.27	36	N00401338	Cap	1	£7.02
14	N00401255	Washer	1	£1.11	37	N09102199	Screw	3	£1.11
15	N00400514	Suspension bolt	1	POA	38	N00400641	Gear cover, assy.	1	£17.52
16	N00400512	Upper hook, assy.	1	£114.03	39	N04307654	Hand chain (per mtr)	1	£5.46
17	N00400955	Safety latch kit, assy.	2	£15.65 ✓	40	N00404733	Connecting link	1	£3.20 ✓
18	N00400499	Bottom block, assy.	1	£222.28	41	N00400544	Name plate	1	£6.07 ✓
19	N04307647	Load chain (per mtr)	1	£30.08	42	N09126072	Round head grooved pin	4	£1.11
20	N00400643	Chain end stop, assy.	1	£3.12	43	N00400756	Roller set	1	£6.07
21	N00401830	Ratchet disc	1	£8.03	44	N00400956	Chain end stop, assy.	1	£3.12
22	N00401252	Pawl	2	£3.11	45	N00101847	Conversion kit ratchet disc	1	POA
23	N00401264	Spring	2	£1.11 ✓					

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

Yalelift 360® MK III, 10000KG



NOTE

Items 1, 22, and 28 can only be replaced together for units which have the letter 'A' at the end of the serial number. If not, use item 45.

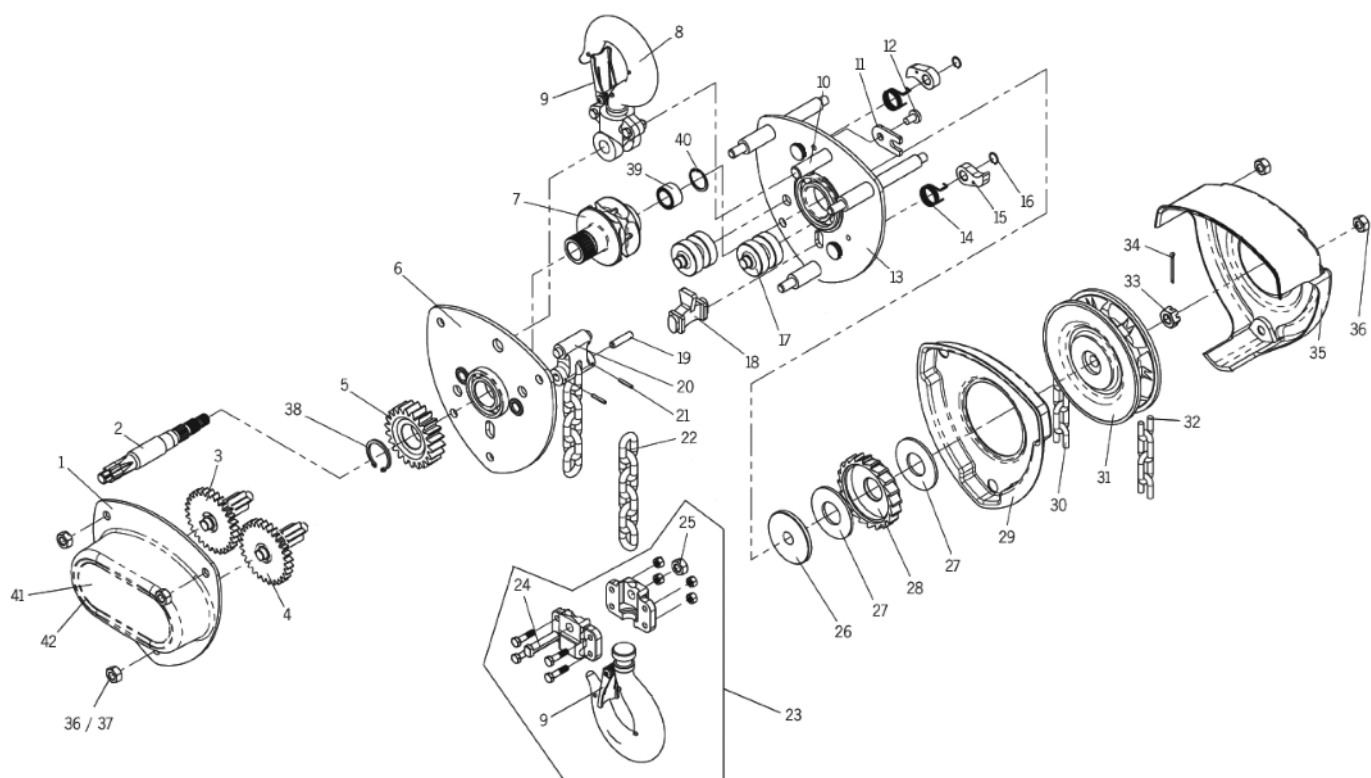
Item	Article no.	Description	Qty.	£ each	Item	Article no.	Description	Qty.	£ each
1	N00401259	Side plate, assy. (left)	1	£19.31	24	N00401264	Spring	2	£1.11 ✓
2	N00400642	Side plate, assy. (right)	1	POA	25	N09129038	Retaining ring	2	£3.20 ✓
3	N00401266	Load sheave, assy.	1	£66.01	26	N00404732	Friction disc	2	£13.57 ✓
4	N00400472	End cover	1	£9.42	27	N09129024	Retaining ring	1	£3.20
5	N00400471	Distance bolt	2	£1.12	28	N00401831	Disc hub	1	£10.31
6	N00400453	Chain guide	1	£32.42	29	N00401357	Hand chain wheel	1	£30.78
7	N00400465	Stripper	1	£7.82	30	N09121010	Washer	1	£1.11
8	N09151121	Bearing	2	£57.80	31	N09117057	Castle nut	1	£1.11
9	N00400456	Gear Z4	1	£29.23	32	N09125042	Cotter pin	1	£1.11
10	N00400475	Gear A, assy.	1	£8.98	33	N00401349	Hand chain wheel cover	1	£29.53
11	N00400476	Gear B, assy.	1	£7.71	34	N00400468	Hand chain guide	1	£7.89
12	N00401260	Drive pinion	1	£19.90	35	N00400470	Supporting plate	1	£6.00
13	N00401261	Locating ring	2	£1.27	36	N09108020	Screw	8	£9.54
14	N00401255	Washer	1	£1.11	37	N00401338	Cap	1	£7.02
15	N00400482	Suspension bolt	1	£2.01	38	N09102199	Screw	3	£1.11
16	N00400524	Upper hook, assy.	1	£234.52	39	N00400641	Gear cover, assy.	1	£17.52
17	N00400958	Safety latch kit, assy.	2	£20.44 ✓	40	N04307654	Hand chain (per mtr)	1	£5.46
18	N00400517	Bottom block, assy.	1	£246.98	41	N00404733	Connecting link	1	£3.20 ✓
19	N00400961	Chain bolt, assy.	1	£2.47	42	N00400545	Name plate	1	£7.17 ✓
20	N04300013	Load chain (per mtr)	1	£30.57	43	N09126072	Round head grooved pin	4	£1.27
21	N00400643	Chain end stop, assy.	1	£3.12	44	N00400756	Roller set	1	POA
22	N00401830	Ratchet disc	1	£20.61	45	N00101847	Conversion kit Ratchet disc	1	POA
23	N00401252	Pawl	2	£3.11					

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 250KG HAND CHAIN HOISTS (1 FALL)



250kg Capacity - SINGLE FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440147	Gear cover, assy.	1	POA
2	N00440148	Drive pinion	1	POA
3	N00440149	Gear A, assy.	1	POA
4	N00440150	Gear B, assy.	1	POA
5	N00440151	Gear	1	POA
6	N00440152	Side plate, assy. (right)	1	POA
7	N00440153	Load sheave, assy.	1	POA
8	N00440154	Upper hook, assy. (inc. 9)	1	£11.33
9	N00440155	Safety latch kit	2	£1.69 ✓
10	N00440156	Suspension bolt	1	POA
11	N00440157	Positioning plate upper hook	1	POA
12	N09101696	Screw	1	POA
13	N00440158	Side plate, assy. (left)	1	£6.22
14	N00440159	Pawl spring	2	POA ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129255	Circlip	2	POA ✓
17	N00440160	Chain guide roller	2	POA
18	N00440161	Stripper	1	POA
19	N00440162	Chain bolt	1	£1.11
20	N00440163	Chain end stop, assy. (inc. 2 x 21)	1	£4.13
21	pos. 34	Split pin	2	POA

250kg Capacity - SINGLE FALL UNIT

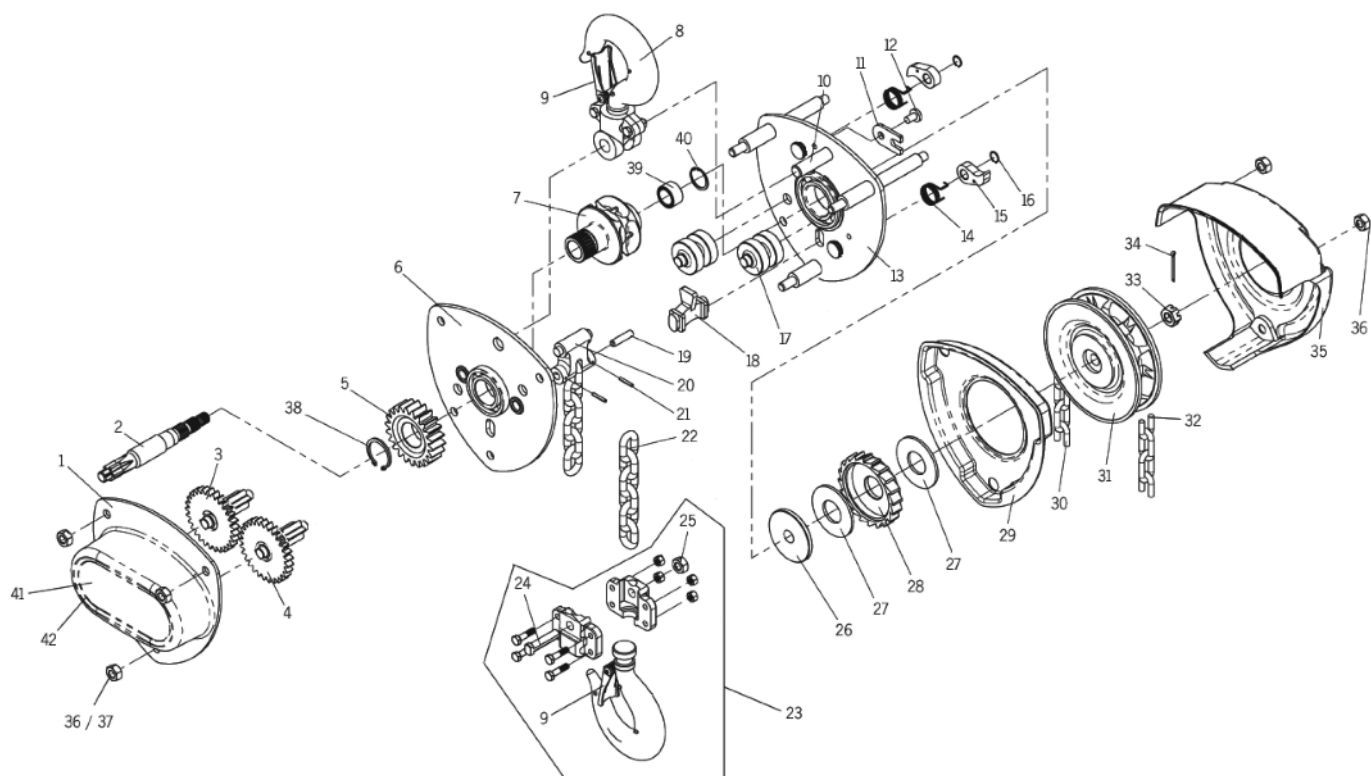
Item	Article no.	Description	Qty.	£ each
22	N02100004	Load chain	per m	£12.01 ✓
23	N00440164	Bottom block, assy.	1	£11.13
24	N00440165	Chain bolt	1	POA
25	N09115112	Nut	1	£1.11
26	N00440166	Disc hub	1	POA
27	N00440167	Friction disc	2	£2.72 ✓
28	N00440168	Ratchet disc	1	£4.42
29	N00440169	Brake dust cover	1	POA
30	N04300019	Hand chain	per m	£5.46 ✓
31	N00440170	Hand chain wheel	1	£8.36
32	N00440172	Connecting link	1	£3.87 ✓
33	N09117009	Castle nut	1	POA
34	N09125014	Cotter pin	2	£1.11
35	N00440171	Hand chain wheel cover	1	POA
36	N09115135	Nut	6	£1.44
37	-	Nut	3	-
38	-	Circlip	1	-
39	-	Needle bearing	1	-
40	-	Circlip	1	-
41	N00401509	Name plate	1	£1.44 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 500KG HAND CHAIN HOISTS (1 FALL)



500kg Capacity - SINGLE FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440003	Supporting frame, assy.	1	£22.51
2	N00440004	Drive pinion	1	£7.33
3	N00440005	Gear A, assy.	1	£6.05
4	N00440006	Gear B, assy.	1	£6.56
5	N00440007	Gear	1	£3.69
6	N00440008	Side plate, assy. (right)	1	£34.56
7	N00440009	Load sheave, assy. (inc.39+40)	1	£47.49
8	N00440010	Upper hook, assy. (inc. 9)	1	£24.71
9	N00440011	Safety latch kit	2	£10.58 ✓
10	N00440012	Suspension bolt	1	£1.11
11	N00440013	Positioning plate upper hook	1	POA
12	N09101160	Screw	1	£1.11
13	N00440014	Side plate, assy. (left)	1	£30.66
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.11 ✓
17	N00440017	Chain guide roller	2	£1.71
18	N00440018	Stripper	1	£1.11
19	N00440019	Chain bolt	1	£4.03
20	N00440020	Chain end stop, assy. (inc. 2 x 21)	1	£6.92
21	N09125073	Split pin	2	£1.11

500kg Capacity - SINGLE FALL UNIT

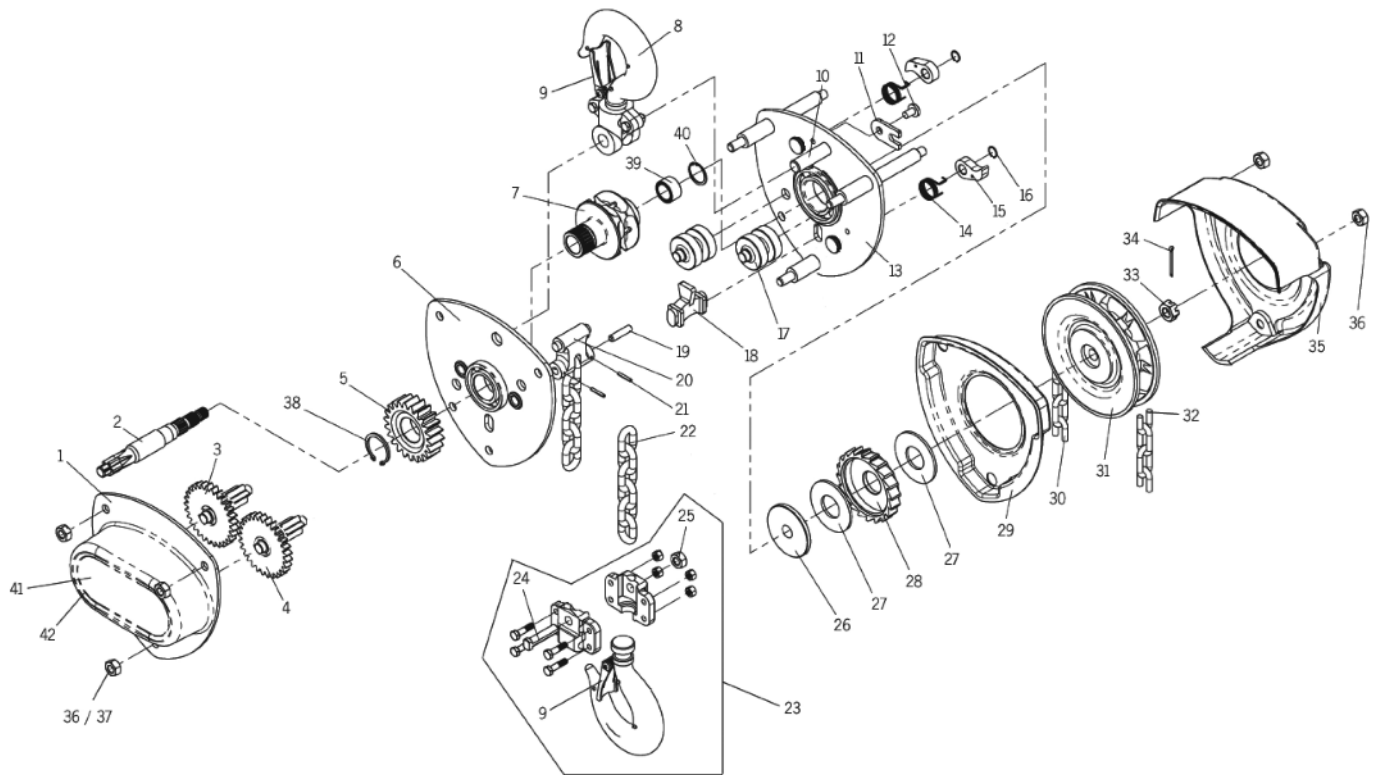
Item	Article no.	Description	Qty.	£ each
22	N04300008	Load chain	per m	£14.20 ✓
23	N00440021	Bottom block, assy.	1	£56.30
24	N00440022	Chain bolt	1	£1.11
25	N09115135	Nut	1	£1.44
26	N00440023	Disc hub	1	£21.70
27	N00440024	Friction disc	2	£12.62 ✓
28	N00440025	Ratchet disc	1	£35.14
29	N00440026	Brake dust cover	1	POA
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440027	Hand chain wheel	1	£21.15
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117021	Castle nut	1	£1.11
34	N09120907	Cotter pin	1	£1.11
35	N00440029	Hand chain wheel cover	1	£20.49
36	N09115135	Nut	3	£1.44
37	N09115098	Nut	3	£2.38
38	N09129001	Circlip	1	£1.11
39	N00440033	Needle bearing	1	£1.11
40	N09130032	Circlip	1	£1.11
41	N00401483	Name plate	1	£5.69 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 1000KG HAND CHAIN HOISTS (1 FALL)



1000kg Capacity - SINGLE FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440034	Supporting frame, assy.	1	£24.14
2	N00440035	Drive pinion	1	£7.93
3	N00440036	Gear A, assy.	1	£7.86
4	N00440037	Gear B, assy.	1	£7.86
5	N00440038	Gear	1	£3.69
6	N00440039	Side plate, assy. (right)	1	£22.40
7	N00440040	Load sheave, assy. (inc.39+40)	1	£91.72
8	N00440041	Upper hook, assy. (inc. 9)	1	£32.28
9	N00440042	Safety latch kit	2	£11.02 ✓
10	N00440043	Suspension bolt	1	£1.11
11	N00440013	Positioning plate upper hook	1	POA
12	N09101160	Screw	1	£1.11
13	N00440044	Side plate, assy. (left)	1	£45.05
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.11 ✓
17	N00440056	Chain guide roller	2	£7.09
18	N00440047	Stripper	1	£1.11
19	N00440059	Chain bolt	1	£1.11
20	N00440048	Chain end stop, assy. (inc. 2 x 21)	1	£3.81
21	N09125073	Split pin	2	£1.11

1000kg Capacity - SINGLE FALL UNIT

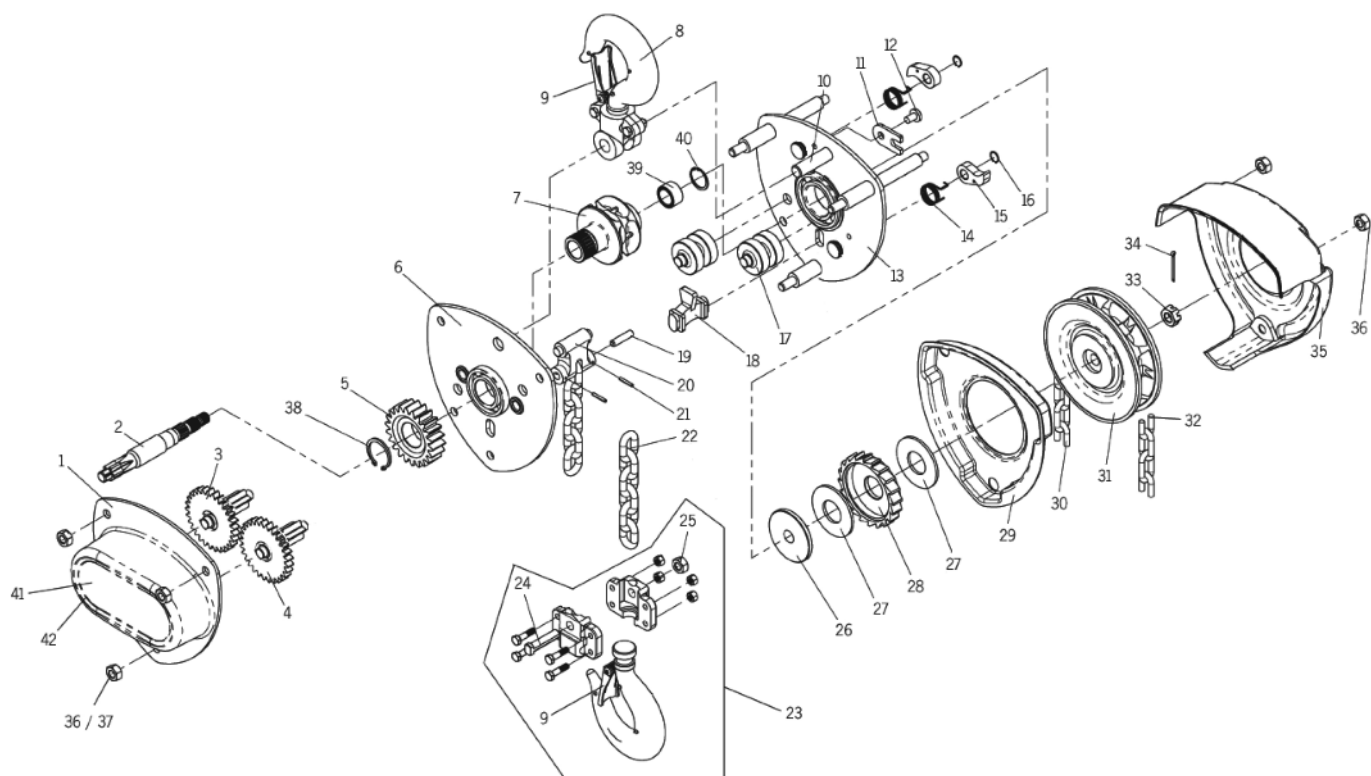
Item	Article no.	Description	Qty.	£ each
22	N04307635	Load chain	per m	£14.20 ✓
23	N00440049	Bottom block, assy.	1	£55.76
24	N00440050	Chain bolt	1	£1.11
25	N09115098	Nut	1	£1.11
26	N00440023	Disc hub	1	£21.70
27	N00440024	Friction disc	2	£12.62 ✓
28	N00440025	Ratchet disc	1	£35.14
29	N00440051	Brake dust cover	1	POA
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440052	Hand chain wheel	1	£25.09
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117021	Castle nut	1	£1.11
34	N09120907	Cotter pin	1	£1.11
35	N00440028	Hand chain wheel cover	1	£22.50
36	N09115098	Nut	3	£1.11
37	-	Nut	3	-
38	N09129001	Circlip	1	£1.11
39	N00440033	Needle bearing	1	£1.11
40	N09130032	Circlip	1	£1.11
41	N00401484	Name plate	1	£6.92 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 2000KG HAND CHAIN HOISTS (1 FALL)



2000kg Capacity - SINGLE FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440062	Gear cover, assy.	1	£23.87
2	N00440063	Drive pinion	1	£6.77
3	N00440064	Gear A, assy.	1	£16.15
4	N00440065	Gear B, assy.	1	£16.15
5	N00440066	Gear	1	£9.27
6	N00440067	Side plate, assy. (right)	1	£55.76
7	N00440068	Load sheave, assy. (inc.39+40)	1	£96.88
8	N00440069	Upper hook, assy. (inc. 9)	1	£44.37
9	N00440057	Safety latch kit	2	£11.27 ✓
10	N00440071	Suspension bolt	1	£1.11
11	N00440013	Positioning plate upper hook	1	POA
12	N09101160	Screw	1	£1.11
13	N00440072	Side plate, assy. (left)	1	£58.63
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.11 ✓
17	N00440073	Chain guide roller	2	£2.99
18	N00440074	Stripper	1	POA
19	N00440075	Chain bolt	1	£4.39
20	N00440076	Chain end stop, assy. (inc. 2 x 21)	1	£7.59
21	N09125069	Split pin	2	POA

2000kg Capacity - SINGLE FALL UNIT

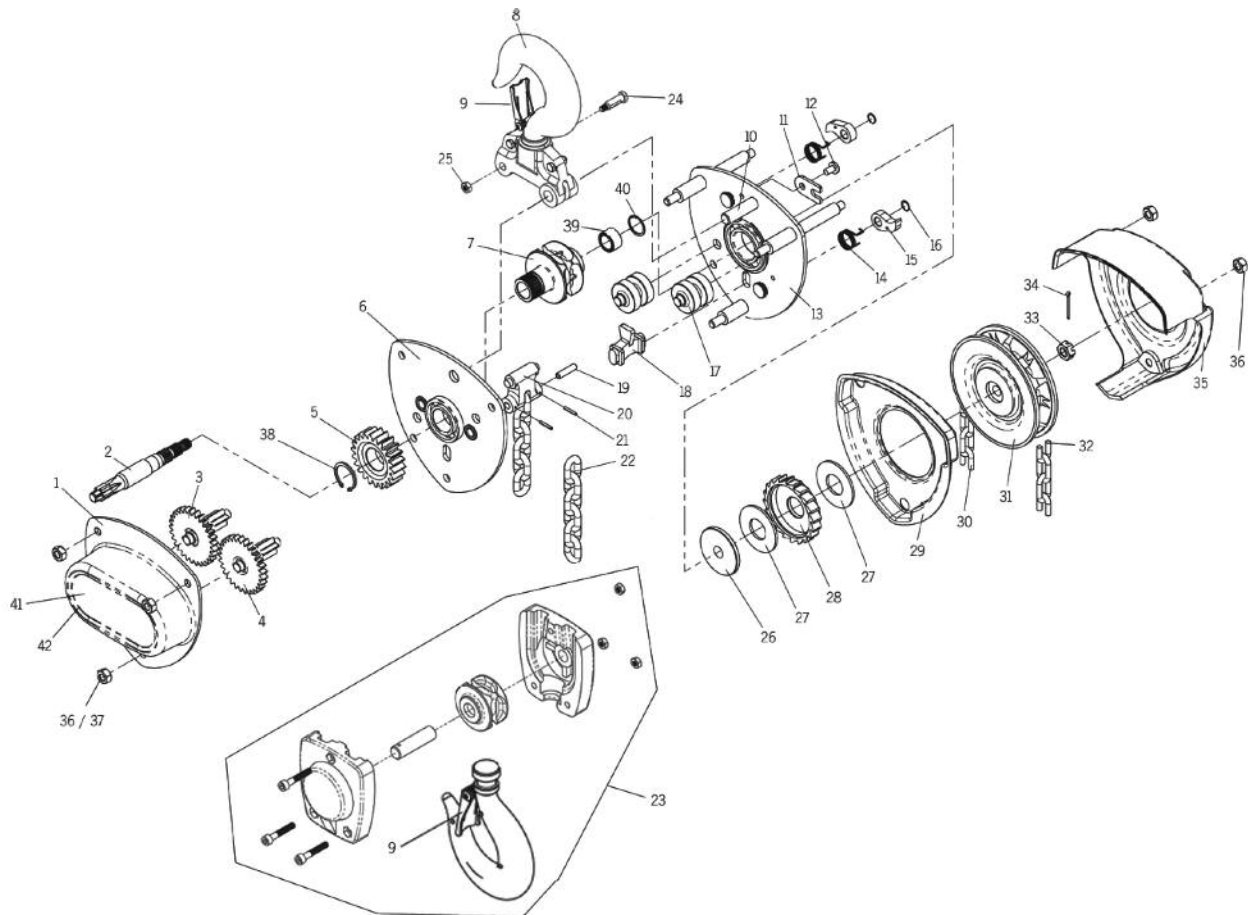
Item	Article no.	Description	Qty.	£ each
22	N04307642	Load chain	per m	£17.47 ✓
23	N00440077	Bottom block, assy.	1	£91.05
24	N00440078	Chain bolt	1	£1.11
25	N09115036	Nut	1	£1.11
26	N00440079	Disc hub	1	£28.76
27	N00440080	Friction disc	2	£13.57 ✓
28	N00440081	Ratchet disc	1	£44.05
29	N00440082	Brake dust cover	1	£5.80
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440083	Hand chain wheel	1	£43.14
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117021	Castle nut	1	£1.11
34	N09120907	Cotter pin	1	£1.11
35	N00440084	Hand chain wheel cover	1	£37.99
36	N09115098	Nut	3	£1.11
37	N09115036	Nut	3	£2.28
38	N09129002	Circlip	1	£1.11
39	N00440033	Needle bearing	1	£1.11
40	N09130032	Circlip	1	£1.11
41	N00401485	Name plate	1	£11.27 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 2000KG HAND CHAIN HOISTS (2 FALL)



2000kg Capacity - TWO FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440054	Gear cover, assy.	1	£24.82
2	N00440035	Drive pinion	1	£7.93
3	N00440036	Gear A, assy.	1	£7.86
4	N00440037	Gear B, assy.	1	£7.86
5	N00440038	Gear	1	£3.69
6	N00440055	Side plate, assy. (right)	1	£98.24
7	N00440040	Load sheave, assy. (inc.39+40)	1	£91.71
8	N00440046	Upper hook, assy. (inc. 9)	1	£44.37
9	N00440057	Safety latch kit	2	£11.13 ✓
10	N00440043	Suspension bolt	1	£1.11
11	N00440013	Positioning plate upper hook	1	POA
12	N09101160	Screw	1	£1.11
13	N00440058	Side plate, assy. (left)	1	£98.24
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.11 ✓
17	N00440056	Chain guide roller	2	£6.60
18	N00440047	Stripper	1	£1.11
19	N00440059	Chain bolt	1	£4.31
20	N00440048	Chain end stop, assy. (inc. 2 x 21)	1	£3.81
21	N09125073	Split pin	2	£1.11

2000kg Capacity - TWO FALL UNIT

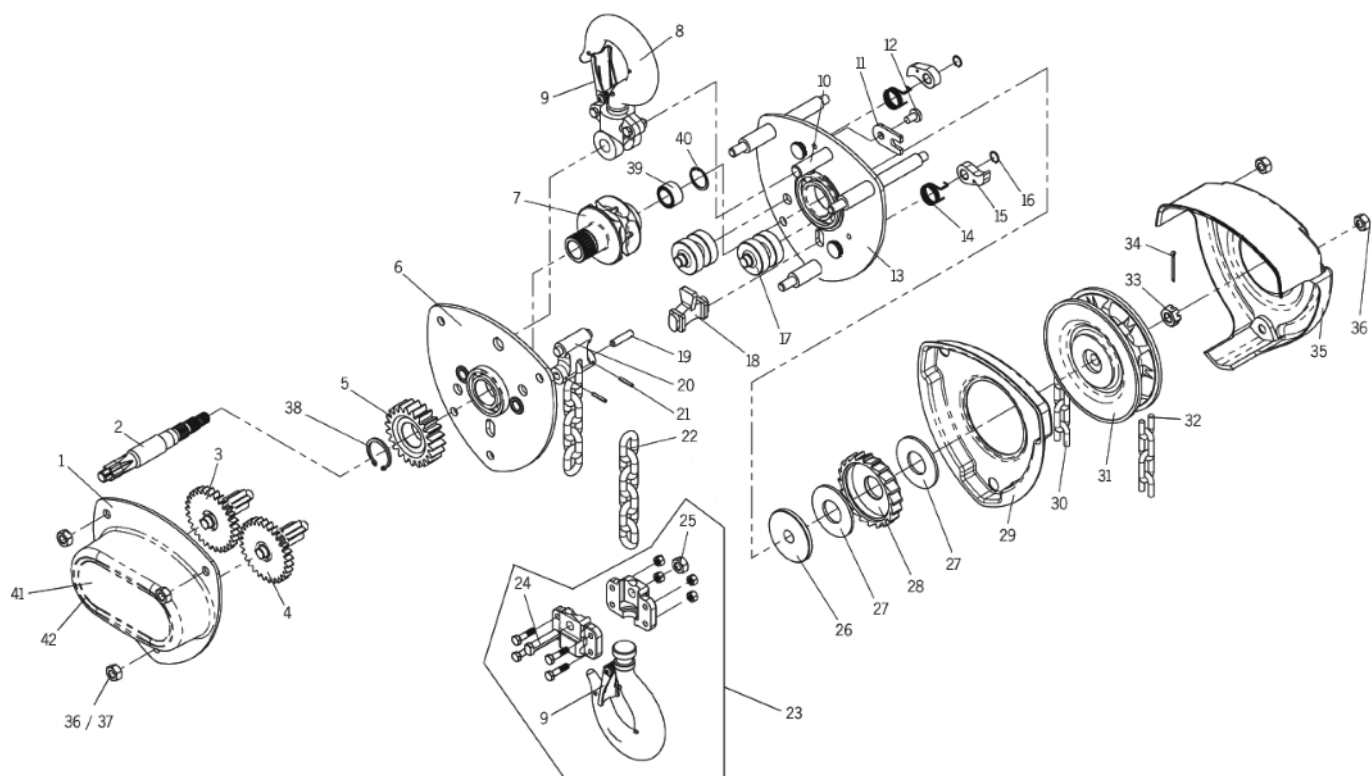
Item	Article no.	Description	Qty.	£ each
22	N04307635	Load chain	per m	£14.20 ✓
23	N00440060	Bottom block, assy.	1	£112.86
24	N00440061	Chain bolt	1	£1.38
25	N09115098	Nut	1	£1.11
26	N00440023	Disc hub	1	£21.70
27	N00440024	Friction disc	2	£12.62 ✓
28	N00440025	Ratchet disc	1	£35.15
29	N00440051	Brake dust cover	1	POA
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440052	Hand chain wheel	1	£25.09
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117021	Castle nut	1	£1.11
34	N09120907	Cotter pin	1	£1.11
35	N00440028	Hand chain wheel cover	1	£22.57
36	N09115098	Nut	6	£1.11
37	-	Nut	-	-
38	N09129001	Circlip	1	£1.11
39	N00440033	Needle bearing	1	£1.11
40	N09130032	Circlip	1	£1.11
41	N00401510	Name plate	1	£11.80 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 3000KG HAND CHAIN HOISTS (1 FALL)



3000kg Capacity - SINGLE FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440086	Gear cover, assy.	1	£43.01
2	N00440087	Drive pinion	1	£14.25
3	N00440088	Gear A, assy.	1	£29.54
4	N00440089	Gear B, assy.	1	£29.54
5	N00440090	Gear	1	£18.29
6	N00440091	Side plate, assy. (right)	1	£134.58
7	N00440092	Load sheave, assy. (inc.39+40)	1	£144.63
8	N00440093	Upper hook, assy. (inc. 9)	1	£52.50
9	N00440094	Safety latch kit	2	£11.80 ✓
10	N00440095	Suspension bolt	1	£1.11
11	N00440096	Positioning plate upper hook	1	POA
12	N09101160	Screw	2	£1.11
13	N00440146	Side plate, assy. (left)	1	£135.94
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.12 ✓
17	N00440045	Chain guide roller	2	£4.28
18	N00440097	Stripper	1	POA
19	N00440098	Chain bolt	1	£1.11
20	N00440099	Chain end stop, assy. (inc. 2 x 21)	1	£16.00
21	N09125078	Split pin	2	POA

3000kg Capacity - SINGLE FALL UNIT

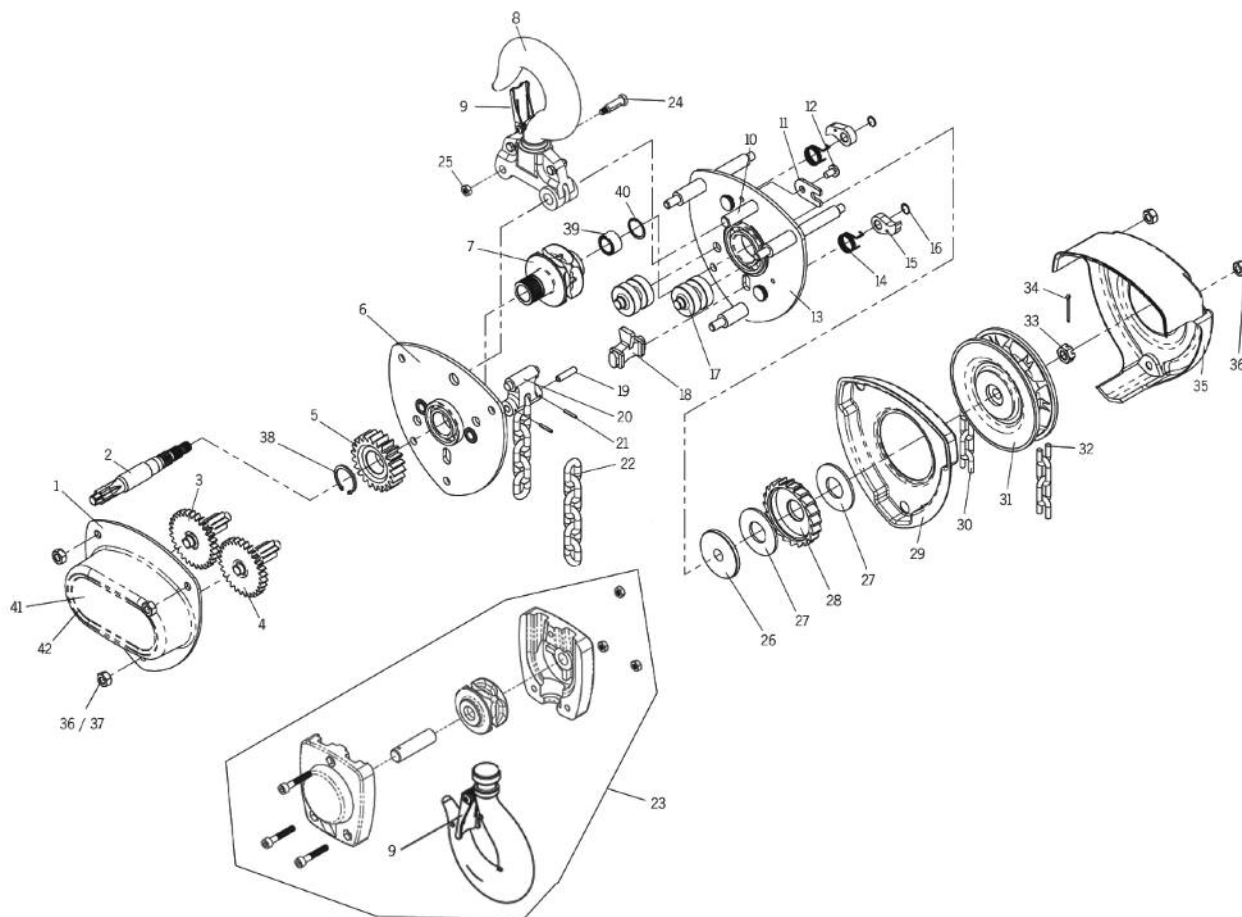
Item	Article no.	Description	Qty.	£ each
22	N04307647	Load chain	per m	£24.02 ✓
23	N00440100	Bottom block, assy.	1	£136.17
24	N00440101	Chain bolt	1	£10.55
25	N09115115	Nut	1	£1.11
26	N00440079	Disc hub	1	£28.76
27	N00440080	Friction disc	2	£13.57 ✓
28	N00440081	Ratchet disc	1	£45.05
29	N00440102	Brake dust cover	1	£9.10
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440103	Hand chain wheel	1	£62.53
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117048	Castle nut	1	£1.11
34	N09125062	Cotter pin	1	£1.11
35	N00440104	Hand chain wheel cover	1	£56.18
36	N09115036	Nut	3	£1.11
37	N09115115	Nut	3	£1.11
38	N09129009	Circlip	1	£1.11
39	N00440105	Needle bearing	1	POA
40	N09130063	Circlip	1	POA
41	N00401507	Name plate	1	£12.08 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 3000KG HAND CHAIN HOISTS (2 FALL)



3000kg Capacity - TWO FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440106	Gear cover, assy.	1	£21.70
2	N00440107	Drive pinion	1	£9.39
3	N00440108	Gear A, assy.	1	£14.59
4	N00440109	Gear B, assy.	1	£16.94
5	N00440110	Gear	1	£7.59
6	N00440111	Side plate, assy. (right)	1	£77.34
7	N00440112	Load sheave, assy. (inc.39+40)	1	£68.37
8	N00440113	Upper hook, assy. (inc. 9)	1	£77.34
9	N00440114	Safety latch kit	2	£11.80 ✓
10	N00440115	Suspension bolt	1	£1.11
11	N00440013	Positioning plate upper hook	1	POA
12	N09101160	Screw	1	£1.11
13	N00440116	Side plate, assy. (left)	1	£140.82
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.12 ✓
17	N00440117	Chain guide roller	2	£2.66
18	N00440118	Stripper	1	£1.19
19	N00440119	Chain bolt	1	£1.11
20	N00440120	Chain end stop, assy. (inc. 2 x 21)	1	£6.92
21	N09134008	Split pin	2	£1.11

3000kg Capacity - TWO FALL UNIT

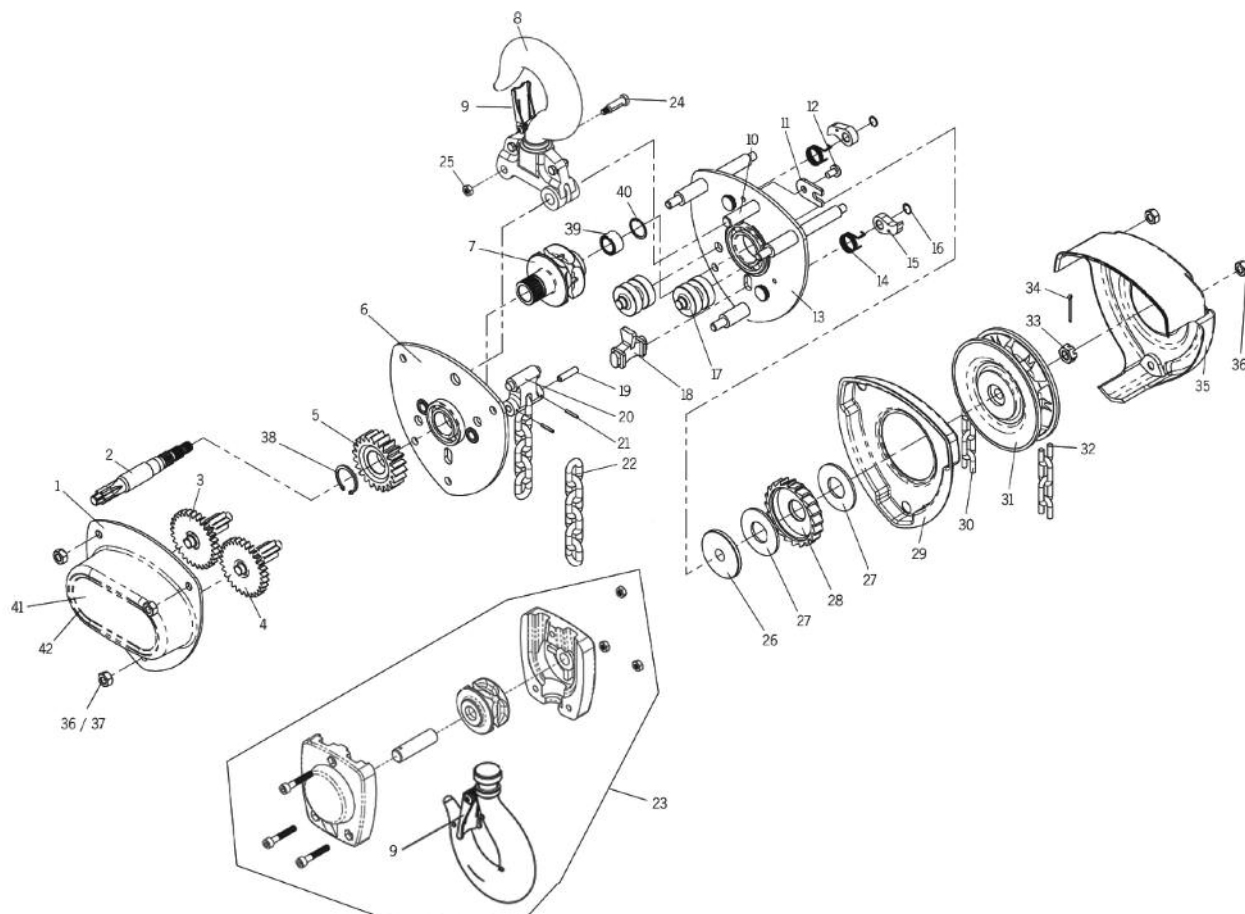
Item	Article no.	Description	Qty.	£ each
22	N04307642	Load chain	per m	£17.47 ✓
23	N00440121	Bottom block, assy.	1	£191.04
24	N00440122	Chain bolt	1	£1.11
25	N09115036	Nut	1	£1.11
26	N00440023	Disc hub	1	£21.70
27	N00440024	Friction disc	2	£12.62 ✓
28	N00440025	Ratchet disc	1	£35.14
29	N00440123	Brake dust cover	1	POA
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440124	Hand chain wheel	1	£42.48
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117021	Castle nut	1	£1.11
34	N09120907	Cotter pin	1	£1.11
35	N00440125	Hand chain wheel cover	1	£37.44
36	N09115098	Nut	3	£1.11
37	N09115036	Nut	3	£1.11
38	N09129002	Circlip	1	£1.11
39	N00440033	Needle bearing	1	£1.11
40	N09130032	Circlip	1	£1.11
41	N00401486	Name plate	1	£11.27 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

VSIII 5000KG HAND CHAIN HOISTS (2 FALL)



5000kg Capacity - TWO FALL UNIT

Item	Article no.	Description	Qty.	£ each
1	N00440126	Gear cover, assy.	1	£40.83
2	N00440127	Drive pinion	1	£10.75
3	N00440128	Gear A, assy.	1	£17.52
4	N00440129	Gear B, assy.	1	£17.52
5	N00440130	Gear	1	£14.56
6	N00440131	Side plate, assy. (right)	1	£85.34
7	N00440132	Load sheave, assy. (inc.39+40)	1	£140.82
8	N00440133	Upper hook, assy. (inc. 9)	1	£105.56
9	N00440134	Safety latch kit	2	£12.25 ✓
10	N00440135	Suspension bolt	1	POA
11	N00440096	Positioning plate upper hook	1	POA
12	N09101160	Screw	1	£1.11
13	N00440136	Side plate, assy. (left)	1	£94.15
14	N00440015	Pawl spring	2	£1.50 ✓
15	N00440016	Pawl	2	£4.35 ✓
16	N09129042	Circlip	2	£1.71 ✓
17	N00440137	Chain guide roller	2	£1.71
18	N00440138	Stripper	1	£1.71
19	N00440139	Chain bolt	1	POA
20	N00440140	Chain end stop, assy. (inc. 2 x 21)	1	£15.33
21	N09125078	Split pin	2	POA

5000kg Capacity - TWO FALL UNIT

Item	Article no.	Description	Qty.	£ each
22	N04307647	Load chain	per m	£24.02 ✓
23	N00440141	Bottom block, assy.	1	£244.48
24	N00440042	Chain bolt	1	£3.20
25	N09115115	Nut	1	£1.11
26	N00440079	Disc hub	1	£28.76
27	N00440080	Friction disc	2	£13.57 ✓
28	N00440081	Ratchet disc	1	£43.48
29	N00440143	Brake dust cover	1	POA
30	N04307654	Hand chain	per m	£5.46 ✓
31	N00440144	Hand chain wheel	1	£59.28
32	N00404733	Connecting link	1	£3.87 ✓
33	N09117021	Castle nut	1	£1.11
34	N09120907	Cotter pin	1	£1.11
35	N00440145	Hand chain wheel cover	1	£52.91
36	N09115036	Nut	3	£1.11
37	N09115115	Nut	3	£1.11
38	N09129043	Circlip	1	£1.11
39	N00440033	Needle bearing	1	£1.11
40	N09130032	Circlip	1	£1.11
41	N00401508	Name plate	1	£13.57 ✓
42	N09128004	Rivit	4	£1.11

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV & CPV/F ELECTRIC CHAIN HOISTS

How to identify which model CPV or CPVF you have.

The Yale CPV / CPV/F electric chain hoist was launched in 2007. Since then, we have made various modifications to improve the performance and durability of the hoist. To help you identify the model you have we have put together the following guide. This will help you when it comes to ordering any spare parts for your repairs.

To ensure you choose the correct parts list, you must first identify your hoist. On the side of the body there is a silver foil label which provides the hoist data. The model will be shown at the top of the label and the serial number further down.

Model CPV denotes it is a single speed hoist and CPV/F denotes it is a dual speed hoist. Current models up to, and including, the CPV/F20-4 have the suffix 'NE' at the end of the model code.

If you have any doubts please contact the sales team quoting the model and serial number.



Once you have identified which hoist you have please turn to the relevant pages shown below....

CPV/F 2-8	PRE 2015	Pages	166 - 167
CPV/F 5-4	PRE 2016	Pages	166 - 167
CPVF 2-8 NE / 5-4 NE	since 12.2014	Pages	168 - 169
CPV 2-8 NE / 5-4 NE	since 06.2016	Pages	168 - 169
CPV/F 5-8	PRE 2019	Pages	170 - 171
CPV/F 10-4	PRE 2019	Pages	170 - 171
CPV/F 5-8 NE	since 03.2019	Pages	172 - 173
CPV/F 10-4 NE	since 03.2019	Pages	172 - 173
CPV/F 10-8	PRE 03.2019	Pages	174 - 175
CPV/F 20-4	PRE 03.2019	Pages	174 - 175
CPV/F 10-8 NE	since 03.2019	Pages	176 - 177
CPV/F 20-4 NE	since 03.2019	Pages	176 - 177
CPVF 25-8		Pages	178 - 179
CPVF 50-4		Pages	178 - 179
Chain containers		Page	180
Pendant controls		Page	181



** Scan the QR code above for the latest CPV/F Operating Manual*

Yale®

If you have any doubts, regarding which hoist you have or which spare parts you may require, please contact the CMCO sales team direct on: 01244 375375 quoting the model and serial number.

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

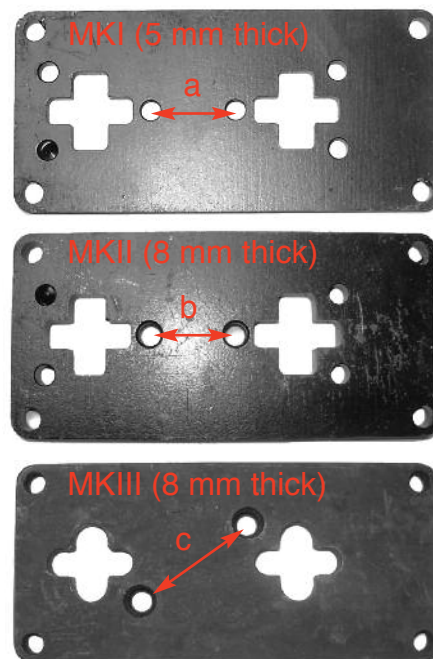
CPV & CPV/F HOISTS MK1 vs MK2 vs MK3

Chain entry plate changes

MKI. Fitted to all 1st generation CPV hoists. This did not have brass inserts and you could see the microswitch buttons positioned opposite each other (a). If your hoist has this chain entry plate, and is a MKI hoist, then you need to order the complete upgrade kit shown below.

MKII. Plate thickness increased from 5mm to 8mm. Brass inserts fitted to activate the microswitches. You can see the brass buttons positioned opposite to each other (b). If your hoist has this chain entry plate, and is a MKII hoist, then you need to order the complete upgrade kit shown below.

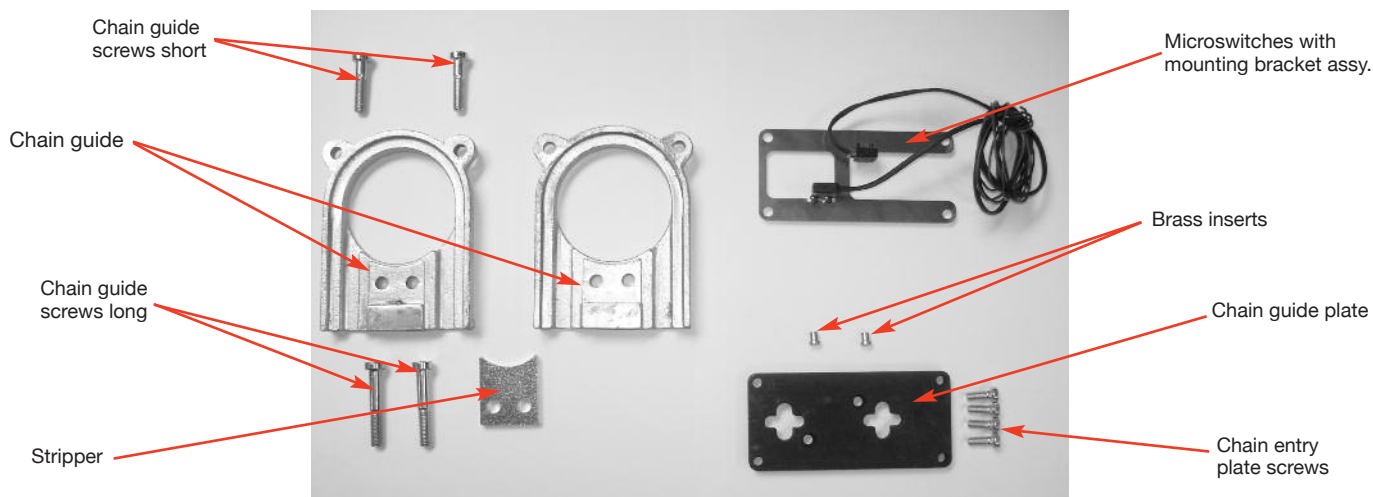
MKIII. Internal changes to the chain guides - from plastic to metal. Microswitch mounting plate and orientation of the microswitch now positioned diagonally to each other (c). If your hoist has this chain entry plate, and is a MKIII hoist, then you can order individual replacement parts rather than the complete kit if preferred.



Limit switch upgrade kit

To upgrade MKI or MKII hoists to the latest version please order the, easy to install, kit shown below. Once you have upgraded your hoist, any future parts can be ordered individually.

Please note: These individual parts are not compatible for MKI or MKII hoists on their own.



Description	Qty	CPV and CPVF 2-8/5-4 (Old Model)	CPV and CPVF 5-8/10-4	CPV and CPVF 10-8/20-4
Chain guides	2	N00670822	N00670823	N00670757
Stripper	1	N00671104	N00671105	N00671106
Chain guide screws long	2	N09102293	N09102293	N09102306
Chain guide screws short	2	N09102292	N09102292	N09102301
Chain guide plate	1	N00671107	N00671108	N00671109
Chain entry plate screws	4	N09102248	N09102248	N09102281
Brass inserts	2	N00100127	N00100127	N00100127
Microswitches with mounting bracket assy.	1	N00671043	N00671043	N00671042
Complete kit inc. all of the above	1	N4300014832	N4300014833	N4300014834
Price £	-	£90.83	£94.68	£114.06

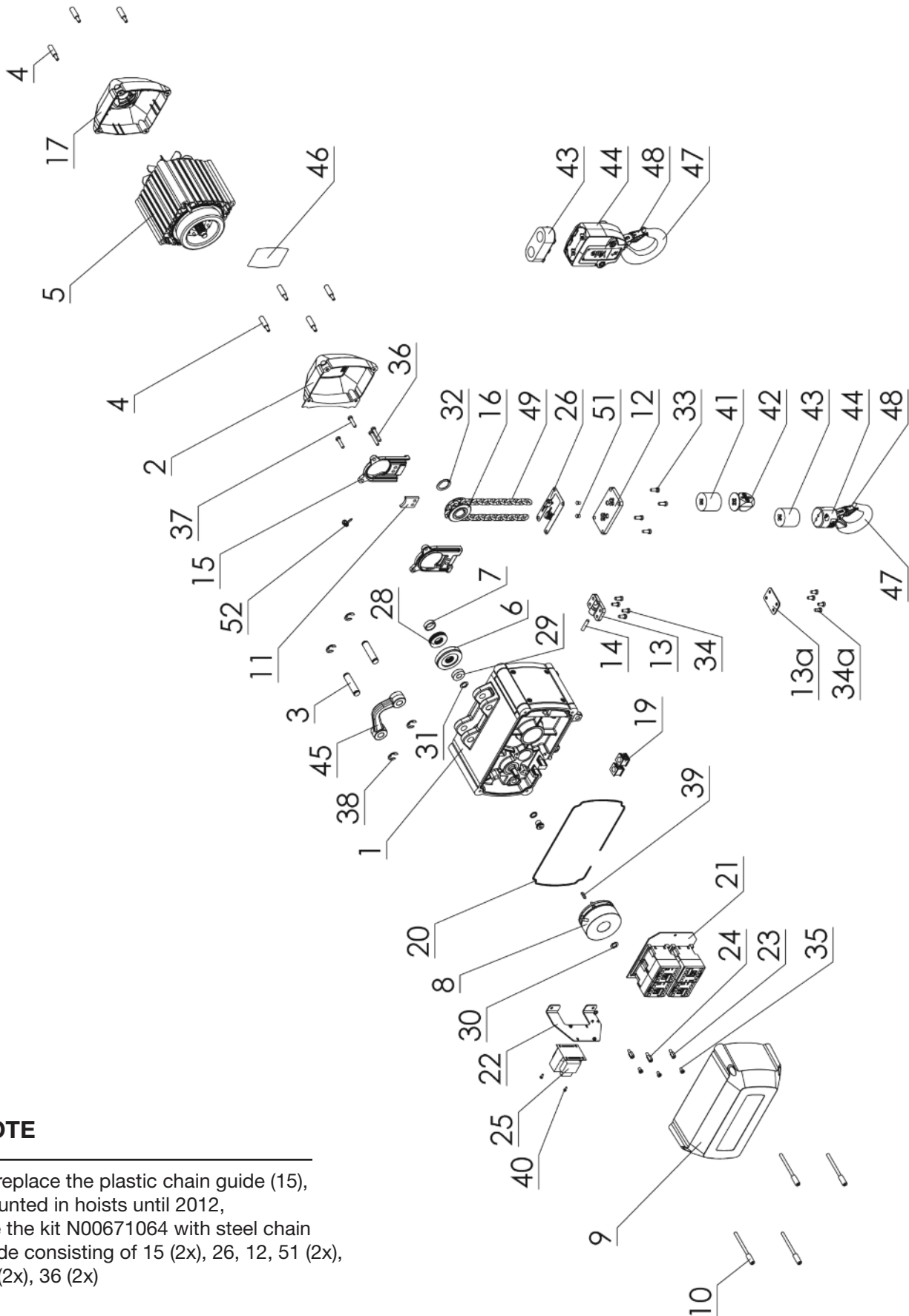
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV 2-8/5-4 & CPV/F 2-8/5-4

HOIST ASSEMBLY - CPV 2-8/5-4 PRE 2015 & CPV/F 2-8/5-4 PRE 2016



NOTE

To replace the plastic chain guide (15), mounted in hoists until 2012, use the kit N00671064 with steel chain guide consisting of 15 (2x), 26, 12, 51 (2x), 37 (2x), 36 (2x)

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV 2-8/5-4 & CPV/F 2-8/5-4

HOIST ASSEMBLY - CPV 2-8/5-4 PRE 2015 & CPV/F 2-8/5-4 PRE 2016

Item	Description	CPV 2-8 PRE 2015 CPV/F 2-8 PRE 2016 Article no.	CPV 5-4 PRE 2015 CPV/F 5-4 PRE 2016 Article no.	Quantity required
1	Gear box, assy.	N00670085	N00670085	1
2	Cover load sheave	N00670056	N00670056	1
3	Suspension bolt	N00670061	N00670061	2
4	Cover screw fan	N00670062	N00670062	8
5	Motor, assy./Size/CPV	N00670347	N00670347	1
5	Motor, assy./Size/CPVF	N00670089	N00670089	1
6	Clutch plate, assy.	N00670075	N00670075	1
7	Spacer sleeve	N00670126	N00670126	1
8	Brake, assy.	N00670304	N00670304	1
8a	Adapter flange brake ²	N00670303	N00670303	1
8b	Spacer brake	N00670305	N00670305	1
8c	Screw	N09102256	N09102256	3
9	Cover control	N00670057	N00670057	1
10	Cover screw control	N00670078	N00670078	4
11	Chain stripper, steel	N00671104	N00671104	1
12	Chain entry plate	N00670188 ✓	N00670188 ✓	1
13	Chain anchor	—	N00670193	1
13a	Cover plate	N00670394	—	1
14	Chain bolt	—	N00670270	1
15	Chain guide, steel ²	N00670822	N00670822	2
16	Load sheave	N00670183	N00670183	1
17	Fan cover, assy.	N00670055	N00670055	1
19	Cable sleeve with trolley	N00670087	N00670087	1
19	Cable sleeve	N00670213	N00670213	2
20	Gear box gasket	N00670077	N00670077	1
21	Control board, assy. CPV	N00670346 ✓	N00670346 ✓	1
21	Control board, assy. CPVF	N00670060 ✓	N00670060 ✓	1
22	Mounting plate	N00670236	N00670236	1
23	Spacer	N00670177	N00670177	2
24	Spacer	N00670214	N00670214	1
25	Transformer	N00670605	N00670605	1
26	Microswitch, assy.	N00671043 ✓	N00671043 ✓	1
28	Cup spring	N09120056	N09120056	5
29	Bearing	N09150032	N09150032	1
30	Retaining ring	N09129042	N09129042	1
31	Retaining ring	N09129038	N09129038	1
32	Retaining ring	N09129001	N09129001	1
33	Screw	N09102280	N09102280	4
34	Screw chain anchor	—	N09101706	4
34a	Screw cover plate	N09102265	—	4
35	Screw	N09102287	N09102287	3
36	Screw	N09102292	N09102292	2
37	Screw	N09102293	N09102293	2
38	Lock washer	N09123038	N09123038	4
39	Fitting key	N09131084	N09131084	1
40	Self-cutting screw	N09108054	N09108054	4
41	Buffer chain end stop	N00670137 ✓	N00670137 ✓	1
42	Chain end stop, assy.	N00670239	N00670239	1
43	Buffer bottom block	N00670137 ✓	N00670226 ✓	1
44	Bottom block, assy. with hook	N00670135	N00670209	1
45	Suspension lug ¹	N00670048	N00670048	1
46	Capacity plate	N00670321	N00670235	1
47	Hook with safety latch	N00670128	N00670128	1
48	Safety latch kit	N00400450 ✓	N00400450 ✓	1
49	Load chain	N07600001 ✓	N07600001 ✓	per mtr
51	Ram	N00100127	N00100127	2
52	Fixing strap	N00671044	N00671044	2

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

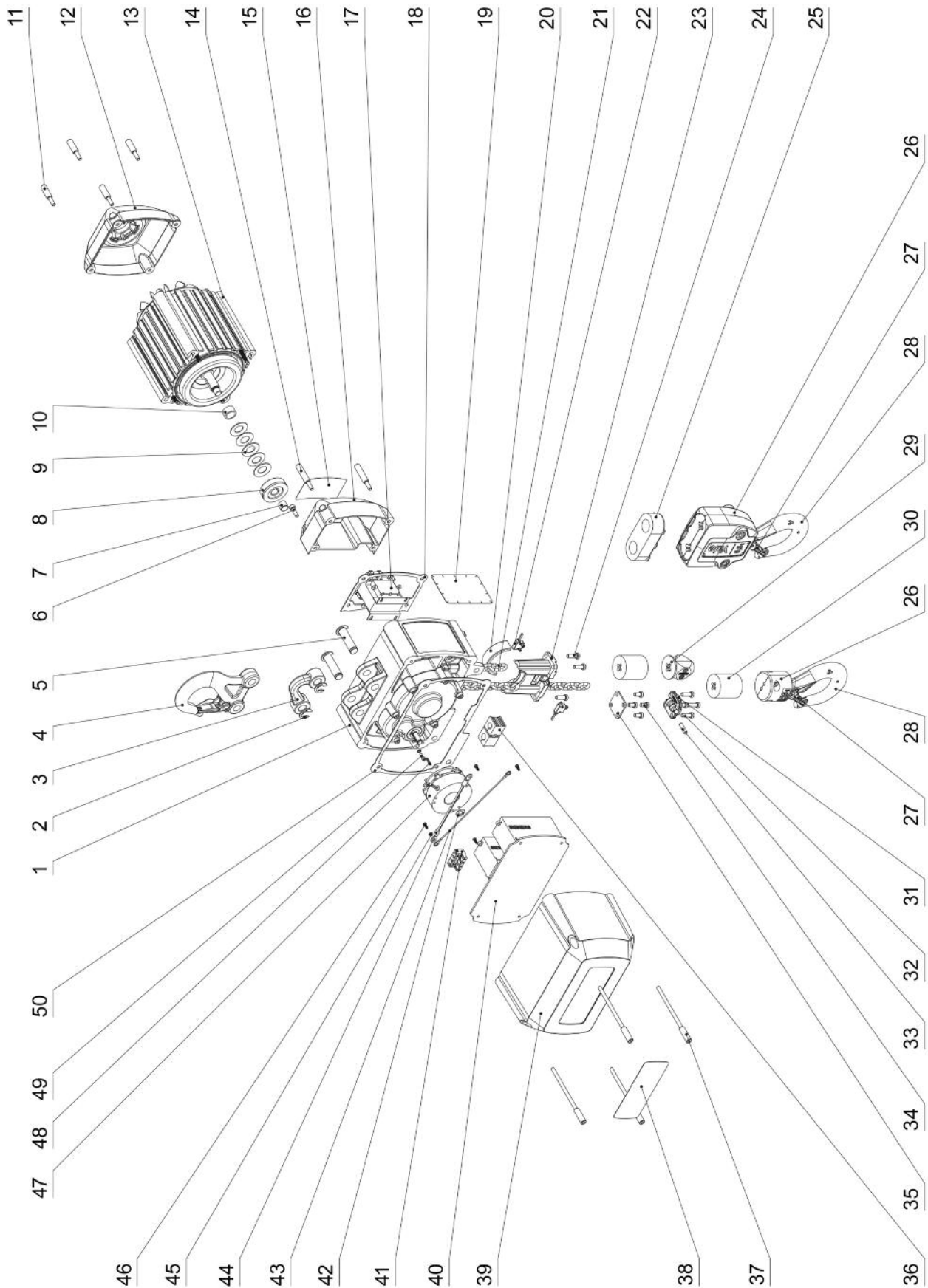
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV 2-8/5-4 NE & CPV/F 2-8/5-4 NE

HOIST ASSEMBLY - CPV 2-8/5-4 NE since 12.2014 & CPV/F 2-8/5-4 NE since 06.2016



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV 2-8/5-4 NE & CPV/F 2-8/5-4 NE

HOIST ASSEMBLY - CPV 2-8/5-4 NE since 12.2014 & CPV/F 2-8/5-4 NE since 06.2016

Item	Description	CPV 2-8 since 12.2014 CPV/F since 06.2016 Article no.	CPV 5-4 since 12.2014 CPV/F 5-4 since 06.2016 Article no.	Quantity required
1	Gear box, assy.	N00671006	N00671006	1
2	Lock washer	N09123049	N09123049	4
3	Suspension lug ¹	N00671096	N00671096	1
4	Top hook	N00670989	N00670989	1
5	Suspension bolt	N00671036	N00671036	2
6	Screw	N09102199	N09102199	2
7	Plain bearing bush	N00671037	N00671037	1
8	Clutch plate, assy.	N00671052	N00671052	1
9	Cup spring	N09120060	N09120060	5
10	Spacer sleeve	N00671041	N00671041	1
11	Screw	N00671017	N00671017	4
12	Fan cover, assy.	N00671050	N00671050	1
13	Motor, assy./Size CPV NE	N00671614	N00671614	1
13	Motor, assy./Size CPVF NE	N00671031	N00671031	1
14	Screw	N00671049	N00671049	2
15	Capacity plate (250 kg)	N00671514	-	1
15	Capacity plate (500 kg)	-	N00671563	1
16	Cover load sheave (Transformer)	N00670991	N00670991	1
17	Transformer, assy.	N00671391	N00671391	1
18	Sealing for cover	N00671011	N00671011	1
19	Name plate	N00670637	N00670637	1
20	Chain guide, inner	N00670994 ✓	N00670994 ✓	1
21	Load chain	N07600001 ✓	N07600001 ✓	per mtr
22	Microswitch, assy.	N00671393 ✓	N00671393 ✓	2
23	Chain guide, outer	N00670993 ✓	N00670993 ✓	1
24	Screw	N09101717	N09101717	4
25	Buffer, assy.	-	N00670226	1
26	Bottom block, assy. with hook	N00670135 ✓	N00670209 ✓	1
27	Safety latch kit	N00400450 ✓	N00400450 ✓	1
28	Hook with safety latch	N00670128	N00670128	1
29	Chain end stop, assy.	N00670239	N00670239	1
30	Buffer chain end stop	N00670137 ✓	-	2
30	Buffer chain end stop	-	N00670137 ✓	1
31	Chain anchor	-	N00671005	1
32	Screw	-	N09101717	4
33	Chain bolt/Axe	-	N00671110	1
34	Cover plate chain anchor	N00671112	N00671112	1
35	Screw	N09102044	N09102044	4
36	Cable sleeve with trolley	N00670087	N00670087	1
36	Cable sleeve	N00670213	N00670213	2
37	Screw	N00671016	N00671016	4
38	Name plate	N00671067	N00671067	1
39	Cover, control	N00670990	N00670990	1
40	Control board, assy. CPV NE PRE 07.2017	N00671551 ✓	N00671551 ✓	1
40	Control board, assy. CPV/F NE PRE 07.2017	N00670846 ✓	N00670846 ✓	1
40	Control board, assy. CPV NE Since 08.2017	192039487 ✓	192039487 ✓	1
40	Control board, assy. CPV/F NE Since 08.2017	192031841 ✓	192031841 ✓	1
41	Board connector for control pendant	N00671417	N00671417	1
41	Board connector for supply cable	N00671418	N00671418	1
41	Board connector for trolley	N00671517	N00671517	1
42	Retaining ring	N09129031	N09129031	1
43	Safety rope	N00671559	N00671559	1
44	Earth cable, assy.	N00671394	N00671394	1
45	Toothed washer	N09123066	N09123066	2
46	Screw	N00671120	N00671120	4
47	Brake, assy. ²	N00671392	N00671392	1
48	Fitting key	N09131099	N09131099	1
49	Screw	N09102319	N09102319	1
50	Sealing for cover, control	N00671002	N00671002	1

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

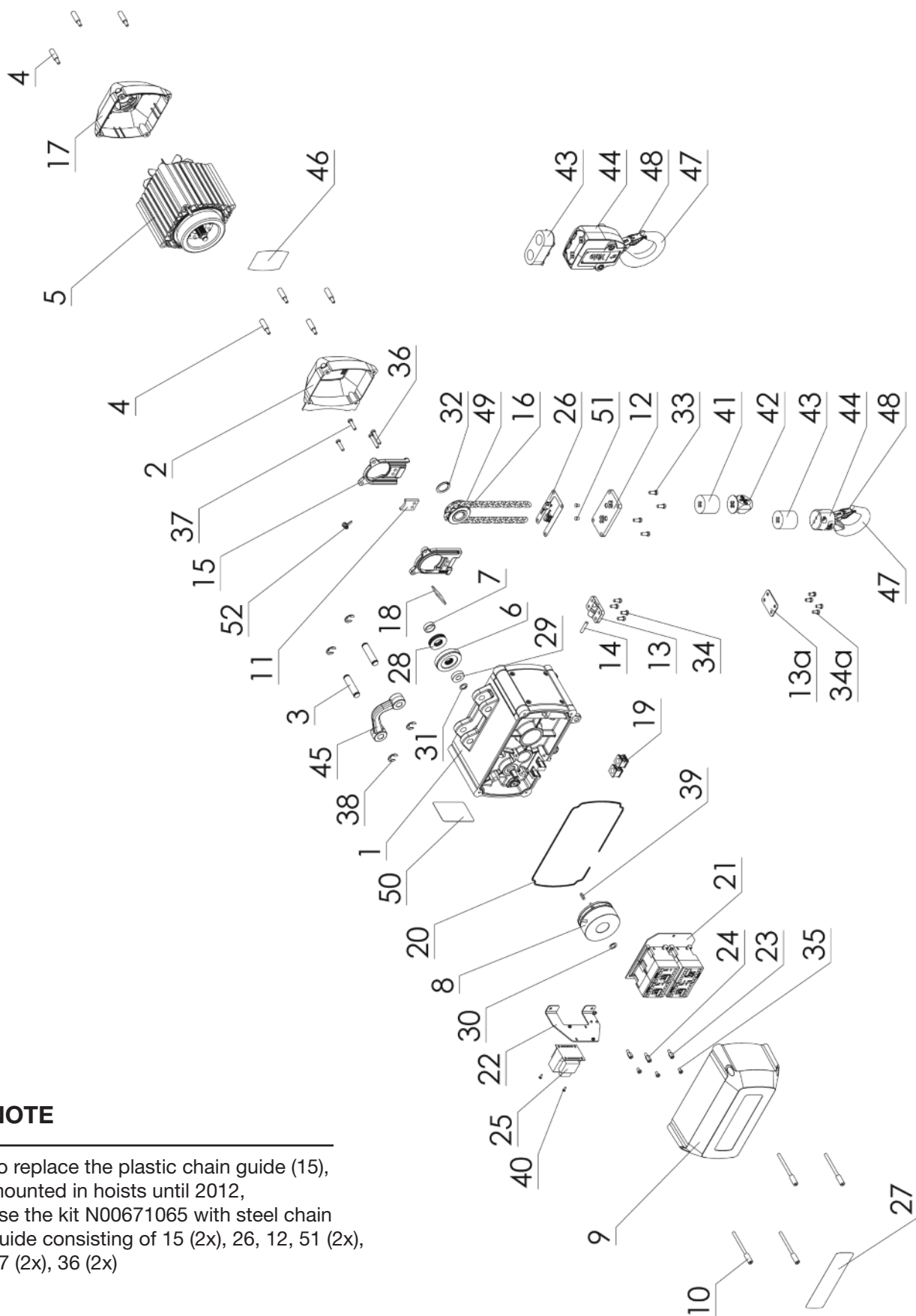
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NB: Any prices shown are per individual part.

CPV/F 5-8/10-4

HOIST ASSEMBLY - CPV/F5-8/10-4 PRE 2019



NOTE

To replace the plastic chain guide (15), mounted in hoists until 2012, use the kit N00671065 with steel chain guide consisting of 15 (2x), 26, 12, 51 (2x), 37 (2x), 36 (2x)

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV/F 5-8/10-4

HOIST ASSEMBLY - CPV/F5-8/10-4 PRE 2019

Item	Description	CPV/F5-8 PRE 2019 Article no.	CPV/F10-4 PRE 2019 Article no.	Quantity required
1	Gear box, assy.	N00670085	N00670085	1
2	Cover load sheave	N00670056	N00670056	1
3	Suspension bolt	N00670061	N00670061	2
4	Cover screw fan	N00670062	N00670062	8
5	Motor, assy./Size CPV	N00670348	N00670348	1
5	Motor, assy./Size CPVF	N00670074	N00670074	1
6	Clutch plate, assy.	N00670075	N00670075	1
7	Spacer sleeve	N00670126	N00670126	1
8	Brake, assy. ²	N00670192 ✓	N00670192 ✓	1
9	Cover control	N00670057 ✓	N00670057 ✓	1
10	Cover screw control	N00670078	N00670078	4
11	Chain stripper	N00671105	N00671105	1
12	Chain entry plate	N00671108 ✓	N00671108 ✓	1
13	Chain anchor	-	N00670111	1
13a	Cover plate	N00670394	-	1
14	Chain bolt	-	N00670269	1
15	Chain guide ²	N00670823 ✓	N00670823 ✓	2
16	Load sheave	N00670109 ✓	N00670109 ✓	1
17	Fan cover, assy.	N00670055	N00670055	1
18	Gasket	N00670356	N00670356	1
19	Cable sleeve ³	N00670087	N00670087	1
19	Cable sleeve	N00670213	N00670213	2
20	Gear box gasket	N00670077	N00670077	1
21	Control board, assy. CPV	N00670346 ✓	N00670346 ✓	1
21	Control board, assy. CPVF	N00670060 ✓	N00670060 ✓	1
22	Mounting plate	N00670236	N00670236	1
23	Spacer	N00670177	N00670177	2
24	Spacer	N00670214	N00670214	1
25	Transformer	N00670605	N00670605	1
26	Microswitch, assy.	N00671043 ✓	N00671043 ✓	1
27	Name plate	N00670661	N00670661	1
28	Cup spring	N09120056	N09120056	5
29	Bearing	N09150032	N09150032	1
30	Retaining ring	N09129005	N09129005	1
31	Retaining ring	N09129038	N09129038	1
32	Retaining ring	N09129001	N09129001	1
33	Screw	N09102248	N09102248	4
34	Screw chain anchor	-	N09101706	4
34a	Screw cover plate	N09102265	-	4
35	Screw	N09102287	N09102287	3
36	Screw	N09102292	N09102292	2
37	Screw	N09102293	N09102293	2
38	Lock washer	N09123038	N09123038	4
39	Fitting key	N09131096	N09131096	1
40	Self-cutting screw	N09108054	N09108054	4
41	Buffer chain end stop	N00670134 ✓	N00670134 ✓	1
42	Chain end stop, assy.	N00670240 ✓	N00670240 ✓	1
43	Buffer bottom block	N00670134 ✓	N00670231 ✓	1
44	Bottom block, assy. with hook	N00670133 ✓	N00670194 ✓	1
45	Suspension lug ¹	N00670048	N00670048	1
46	Capacity plate	N00670235	N00670320	1
47	Hook with safety latch	N00670133	-	1
48	Safety latch kit	N00400450 ✓	N00400451 ✓	1
49	Load chain	N06900001 ✓	N06900001 ✓	per mtr
50	Name plate CPV	N00670642	N00670642	1
50	Name plate CPVF	N00670639	N00670639	1
51	Ram	N00100127	N00100127	2
52	Fixing strap	N00671044	N00671044	2

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

³ With trolley

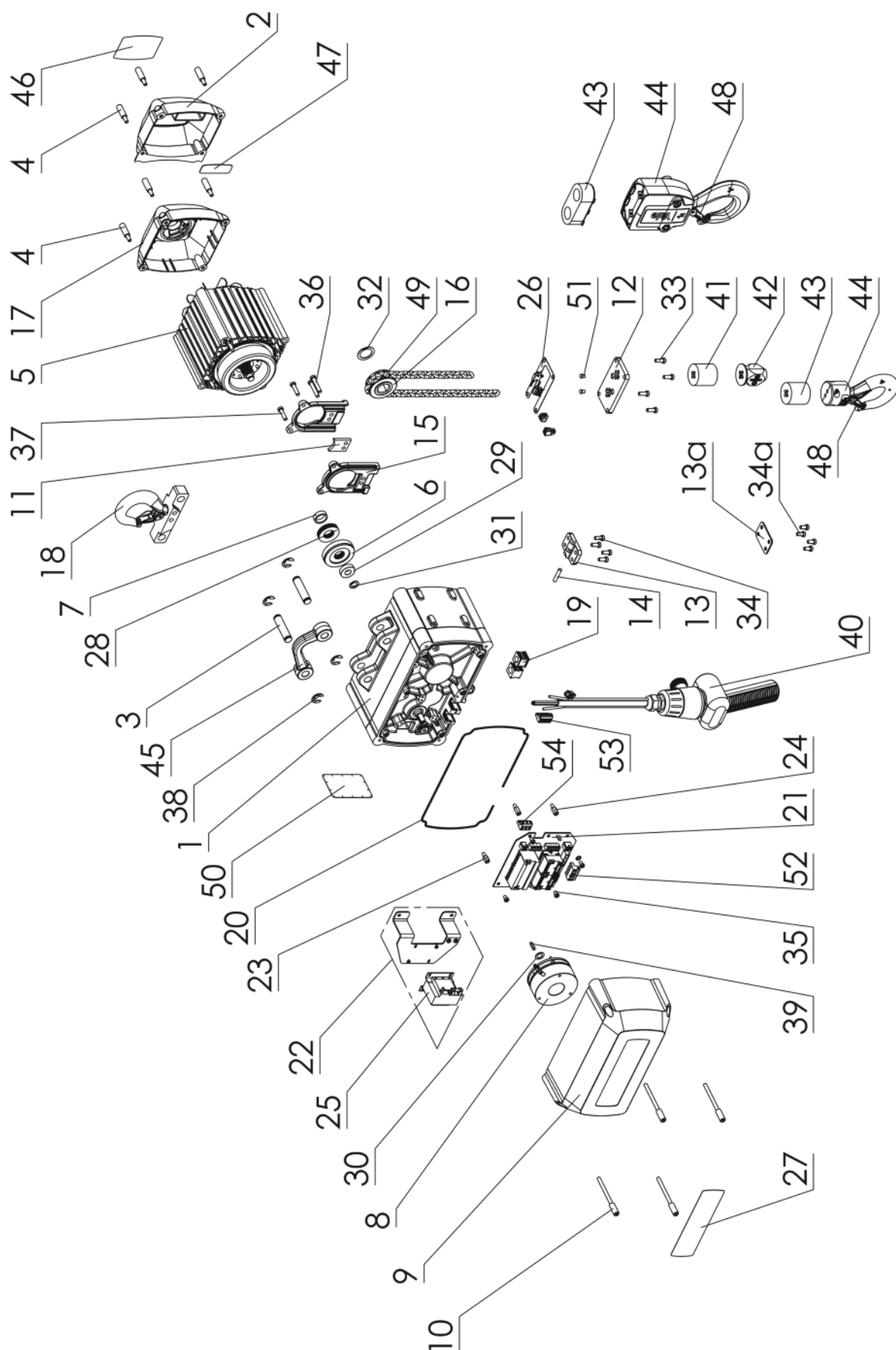
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NB: Any prices shown are per individual part.

CPV/F 5-8/10-4 NE

HOIST ASSEMBLY - CPV/F5-8/10-4 NE since 03.2019



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV/F 5-8/10-4 NE

HOIST ASSEMBLY - CPV/F5-8/10-4 NE since 03.2019

Item	Description	CPV/F5-8 NE since 03.2019 Article no.	CPV/F10-4 NE since 03.2019 Article no.	Quantity required
1	Gear box, assy.	N00671530	N00671530	1
2	Cover load sheave	N00671525	N00671525	1
3	Suspension bolt	N00670061	N00670061	2
4	Cover screw fan	N00670062	N00670062	8
5	Motor, assy./Size CPV	N00670348	N00670348	1
5	Motor, assy./Size CPVF	N00670074	N00670074	1
6	Clutch plate, assy.	N00670075	N00670075	1
7	Spacer sleeve	N00670126	N00670126	1
8	Brake, assy. ²	N00670192 ✓	N00670192 ✓	1
9	Cover control	N00670057 ✓	N00670057 ✓	1
10	Cover screw control	N00670078	N00670078	4
11	Chain stripper	N00671105	N00671105	1
12	Chain entry plate	N00671108 ✓	N00671108 ✓	1
13	Chain anchor	-	N00670111	1
13a	Cover plate chain anchor	N00670394	-	1
14	Chain bolt	-	N00670269	1
15	Chain guide ²	N00670823 ✓	N00670823 ✓	2
16	Load sheave	N00670109 ✓	N00670109 ✓	1
17	Fan cover, assy.	N00670055	N00670055	1
18	Top hook	N00670425	N00670425	1
19	Cable sleeve with trolley	N00670087	N00670087	1
19	Cable sleeve	N00670213	N00670213	2
20	Gear box gasket	N00670077	N00670077	1
21	Control board, assy. CPV	N00670346 ✓	N00670346 ✓	1
21	Control board, assy. CPVF	N00670060 ✓	N00670060 ✓	1
21	Control board, assy. CPV NE	192036088 ✓	192036088 ✓	1
21	Control board, assy. CPVF NE	192028498 ✓	192028498 ✓	1
22	Mounting plate with transformer	192047019	192047019	1
23	Spacer	N00670177	N00670177	2
24	Spacer	N00670214	N00670214	2
25	Transformer	N00671391 ✓	N00671391 ✓	1
26	Microswitch, assy.	192048036 ✓	192048036 ✓	1
27	Name plate	N00670661	N00670661	1
28	Cup spring	N09120056	N09120056	5
29	Bearing	N09150032	N09150032	1
30	Retaining ring	N09129005	N09129005	1
31	Retaining ring	N09129038	N09129038	1
32	Retaining ring	N09129001	N09129001	1
33	Screw	N09102248	N09102248	4
34	Screw chain anchor	-	N09101706	4
34a	Screw cover plate	N09102265	-	4
35	Screw	N09102287	N09102287	4
36	Screw	N09102292	N09102292	2
37	Screw	N09102293	N09102293	2
38	Lock washer	N09123038	N09123038	4
39	Fitting key	N09131096	N09131096	1
40	Control switch	See page 179	See page 179	1
41	Buffer chain end stop	N00670134 ✓	N00670134 ✓	1
42	Chain end stop, assy.	N00670240	N00670240	1
43	Buffer bottom block	N00670134 ✓	N00670231 ✓	1
44	Bottom block, assy. with hook	N00670133 ✓	N00670194 ✓	1
45	Suspension lug ¹	N00670048	N00670048	1
46	Capacity plate	N00670235	N00670320	1
47	Sealing	N00671590	N00671590	1
48	Safety latch kit	N00400450 ✓	N00400451 ✓	1
49	Load chain	N06900001 ✓	N06900001 ✓	per mtr
50	Name plate CPV	N00670642	N00670642	1
50	Name plate CPVF	N00670639	N00670639	1
51	Ram	N00100127	N00100127	2
52	Board connector for supply cable	N00671418	N00671418	1
53	Board connector for control pendant	N00671417	N00671417	1
54	Board connector for trolley	N00671517	N00671517	1

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

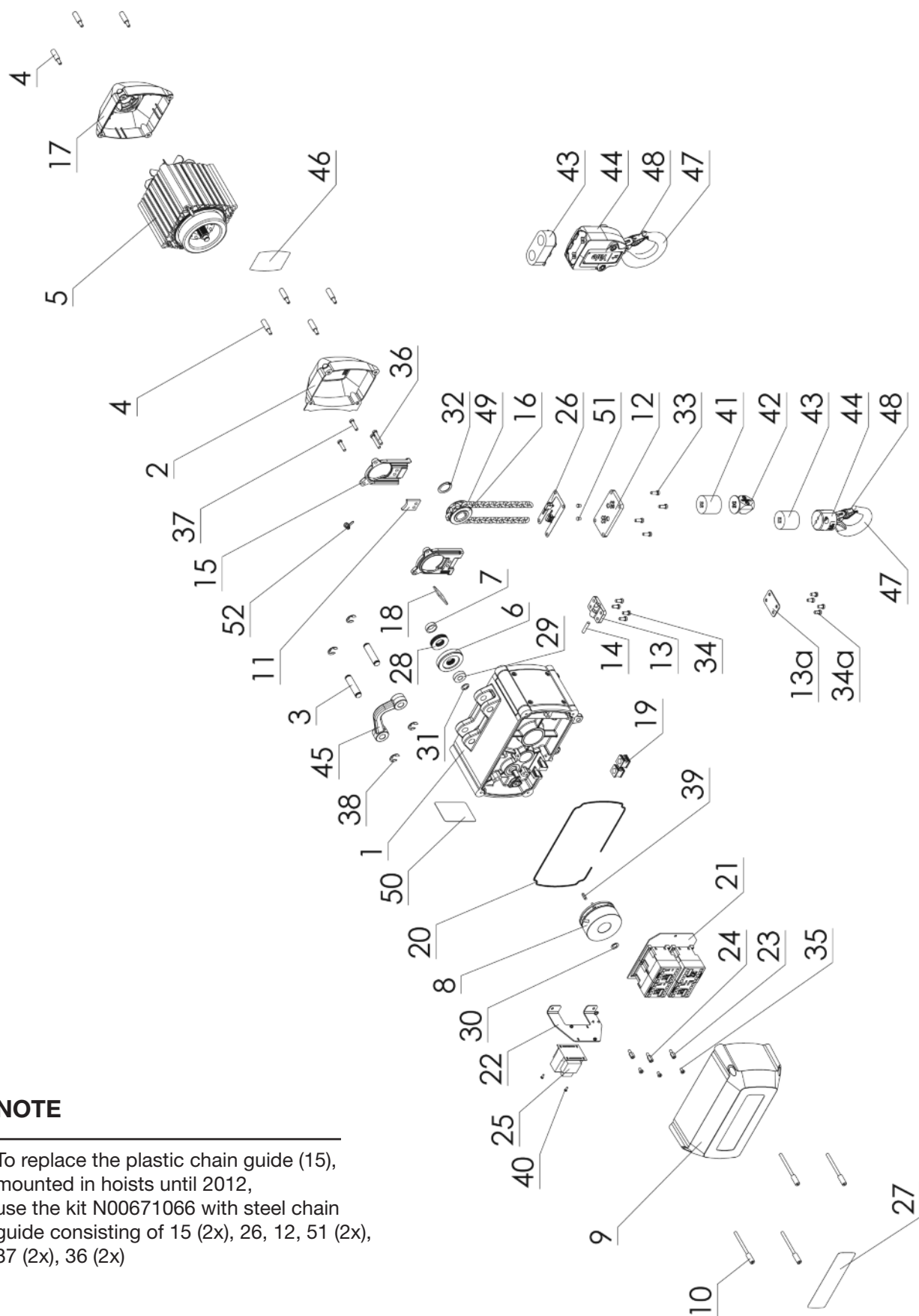
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NB: Any prices shown are per individual part.

CPV/F 10-8/20-4

HOIST ASSEMBLY - CPV/F10-8/20-4 PRE 03.2019



NOTE

To replace the plastic chain guide (15), mounted in hoists until 2012, use the kit N00671066 with steel chain guide consisting of 15 (2x), 26, 12, 51 (2x), 37 (2x), 36 (2x)

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPV/F 10-8/20-4

HOIST ASSEMBLY - CPV/F10-8/20-4 PRE 03.2019

Item	Description	CPV/F10-8 PRE 03.2019 Article no.	CPV/F20-4 PRE 03.2019 Article no.	Quantity required
1	Gear box, assy.	N00670252	N00670252	1
2	Cover load sheave	N00670170	N00670170	1
3	Suspension bolt	N00670185	N00670185	2
4	Cover screw fan	N00670186	N00670186	8
5	Motor, assy./Size CPV	N00670349	N00670349	1
5	Motor, assy./Size CPVF	N00670138	N00670138	1
6	Clutch plate, assy.	N00670148	N00670148	1
7	Spacer sleeve	N00670152	N00670152	1
8	Brake, assy. BFK 457-08 ²	N00670068 ✓	N00670068 ✓	1
9	Cover control	N00670171 ✓	N00670171 ✓	1
10	Cover screw control	N00670187	N00670187	4
11	Chain stripper	N00671106	N00671106	1
12	Chain entry plate	N00671109 ✓	N00671109 ✓	1
13	Chain anchor	-	N00670172	1
13a	Cover plate	N00670395	-	1
14	Chain bolt	-	N00670271	1
15	Chain guide ²	N00670757 ✓	N00670757 ✓	2
16	Load sheave	N00670190 ✓	N00670190 ✓	1
17	Fan cover, assy.	N00670243	N00670243	1
18	Gasket	N00670356	N00670356	1
19	Cable sleeve ³	N00670087	N00670087	1
19	Cable sleeve	N00670213	N00670213	2
20	Gear box gasket	N00670077	N00670077	1
21	Control board, assy. CPV	N00670346 ✓	N00670346 ✓	1
21	Control board, assy. CPVF	N00670060 ✓	N00670060 ✓	1
22	Mounting plate	N00670238	N00670238	1
23	Spacer	N00670177	N00670177	2
24	Spacer	N00670214	N00670214	1
25	Transformer	N00670605 ✓	N00670605 ✓	1
26	Microswitch, assy.	N00671042 ✓	N00671042 ✓	1
27	Name plate	N00670662	N00670662	1
28	Cup spring	N09120055	N09120055	5
29	Bearing	N09151139	N09151139	1
30	Retaining ring	N09129033	N09129033	1
31	Retaining ring	N09129023	N09129023	1
32	Retaining ring	N09129043	N09129043	1
33	Screw	N09102281	N09102281	4
34	Screw chain anchor	-	N09101707	4
34a	Screw cover plate	N09102260	-	4
35	Screw	N09102287	N09102287	3
36	Screw	N09102301	N09102301	2
37	Screw	N09102306	N09102306	2
38	Lock washer	N09123027	N09123027	4
39	Fitting key	N09131069	N09131069	1
40	Self-cutting screw	N09108054	N09108054	4
41	Buffer chain end stop	N00670251 ✓	N00670251 ✓	1
42	Chain end stop, assy.	N00670241	N00670241	1
43	Buffer bottom block	N00670251 ✓	N00670263 ✓	1
44	Bottom block, assy.	N00670256 ✓	N00670260 ✓	1
45	Suspension lug ¹	N00670184	N00670184	1
46	Capacity plate	N00670268	N00670325	1
47	Hook with safety latch	-	-	1
48	Safety latch kit	N00400451 ✓	N00400647 ✓	1
49	Load chain	N06900002 ✓	N06900002 ✓	per mtr
50	Name plate CPV	N00670647	N00670647	1
50	Name plate CPVF	N00670644	N00670644	1
51	Ram	N00100127	N00100127	2
52	Fixing strap	N00671044	N00671044	2

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

³ With trolley

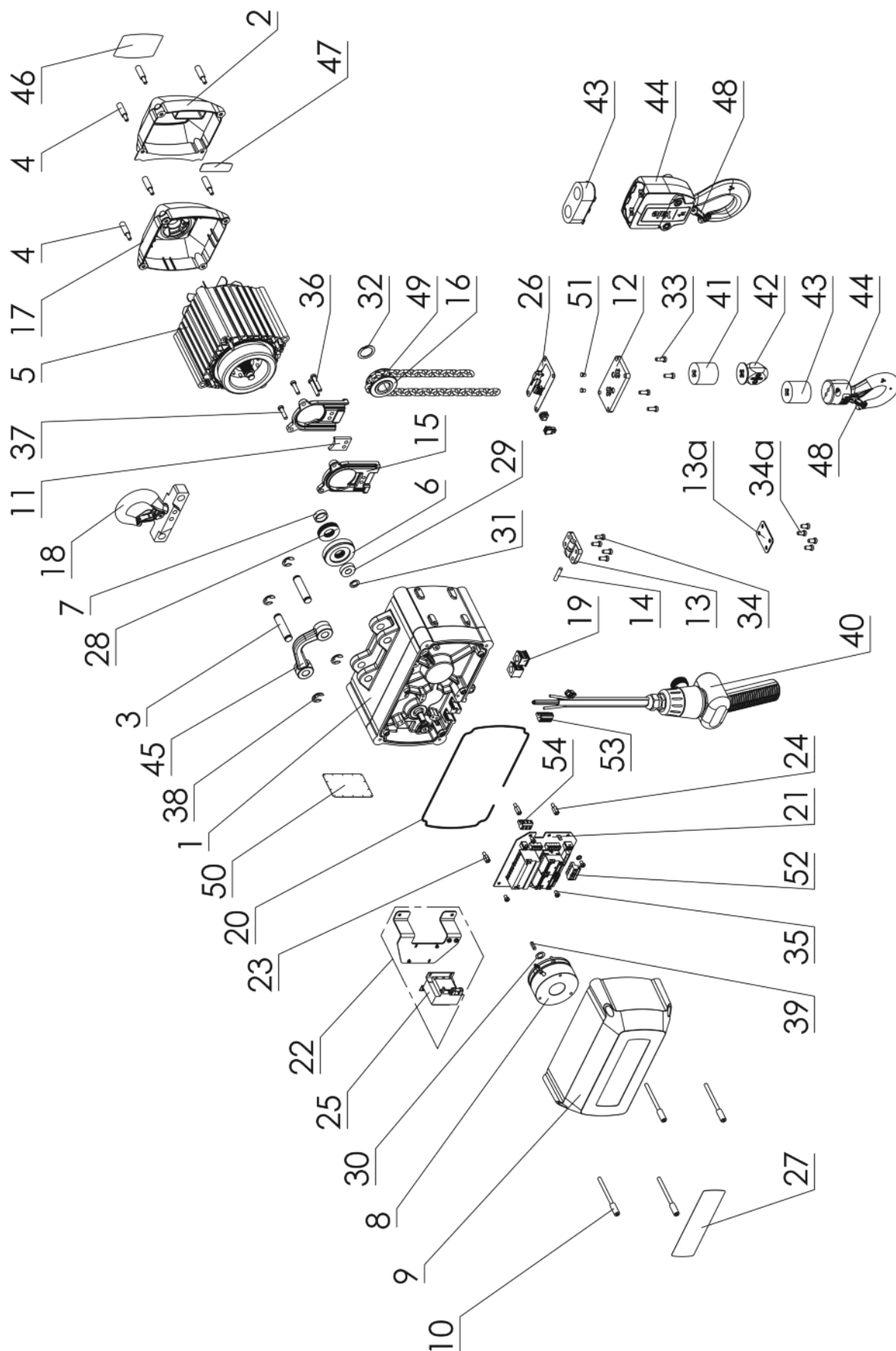
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CPV/F 10-8/20-4 NE

HOIST ASSEMBLY - CPV/F10-8/20-4 NE since 03.2019



✓ = Recommended spares if applicable.

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CPV/F 10-8/20-4 NE

HOIST ASSEMBLY - CPV/F10-8/20-4 NE since 03.2019

Item	Description	CPV/F10-8 NE since 03.2019 Article no.	CPV/F20-4 NE since 03.2019 Article no.	Quantity required
1	Gear box, assy.	N00671531	N00671531	1
2	Cover load sheave	N00671546	N00671546	1
3	Suspension bolt	N00670185	N00670185	2
4	Cover screw fan	N00670186	N00670186	8
5	Motor, assy./Size CPV	N00670349	N00670349	1
5	Motor, assy./Size CPVF	N00670138	N00670138	1
6	Clutch plate, assy.	N00670148	N00670148	1
7	Spacer sleeve	N00670152	N00670152	1
8	Brake, assy. ²	N00670068 ✓	N00670068 ✓	1
9	Cover control	N00670171 ✓	N00670171 ✓	1
10	Cover screw control	N00670187	N00670187	4
11	Chain stripper	N00671106	N00671106	1
12	Chain entry plate	N00671109 ✓	N00671109 ✓	1
13	Chain anchor	-	N00670172	1
13a	Cover plate chain anchor	N00670395	-	1
14	Chain bolt	-	N00670271	1
15	Chain guide ²	N00670757 ✓	N00670757 ✓	2
16	Load sheave	N00670190 ✓	N00670190 ✓	1
17	Fan cover, assy.	N00670243	N00670243	1
18	Top hook	N00670470	N00670470	1
19	Cable sleeve with trolley	N00670087	N00670087	1
19	Cable sleeve	N00670213	N00670213	2
20	Gear box gasket	N00670077	N00670077	1
21	Control board, assy. CPV	N00670346 ✓	N00670346 ✓	1
21	Control board, assy. CPV/F	N00670060 ✓	N00670060 ✓	1
21	Control board, assy. CPV NE	192036088 ✓	192036088 ✓	1
21	Control board, assy. CPV/F NE	192028498 ✓	192028498 ✓	1
22	Mounting plate with transformer	192047020	192047020	1
23	Spacer	N00670177	N00670177	2
24	Spacer	N00670214	N00670214	1
25	Transformer	N00671391 ✓	N00671391 ✓	1
26	Microswitch, assy.	192048035 ✓	192048035 ✓	1
27	Name plate	N00670662	N00670662	1
28	Cup spring	N09120055	N09120055	5
29	Bearing	N09151139	N09151139	1
30	Retaining ring	N09129033	N09129033	1
31	Retaining ring	N09129023	N09129023	1
32	Retaining ring	N09129043	N09129043	1
33	Screw	N09102281	N09102281	4
34	Screw chain anchor	-	N09101707	4
34a	Screw cover plate	N09102260	-	4
35	Screw	N09102287	N09102287	3
36	Screw	N09102301	N09102301	2
37	Screw	N09102306	N09102306	2
38	Lock washer	N09123027	N09123027	4
39	Fitting key	N09131069	N09131069	1
40	Control switch	See page 179	See page 179	1
41	Buffer chain end stop	N00670251 ✓	N00670251 ✓	1
42	Chain end stop, assy.	N00670241 ✓	N00670241 ✓	1
43	Buffer bottom block	N00670251 ✓	N00670263 ✓	1
44	Bottom block, assy. with hook	N00670256 ✓	N00670260 ✓	1
45	Suspension lug ¹	N00670184	N00670184	1
46	Capacity plate	N00670268	N00670325	1
47	Sealing	N00671549	N00671549	1
48	Safety latch kit	N00400451 ✓	N00400647 ✓	1
49	Load chain	N06900002 ✓	N06900002 ✓	per mtr
50	Name plate CPV	N00670647	N00670647	1
50	Name plate CPV CPVF	N00670644	N00670644	1
51	Ram	N00100127	N00100127	2
52	Board connector for supply cable	N00671418	N00671418	1
53	Board connector for control pendant	N00671417	N00671417	1
54	Board connector for trolley	N00671517	N00671517	1

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

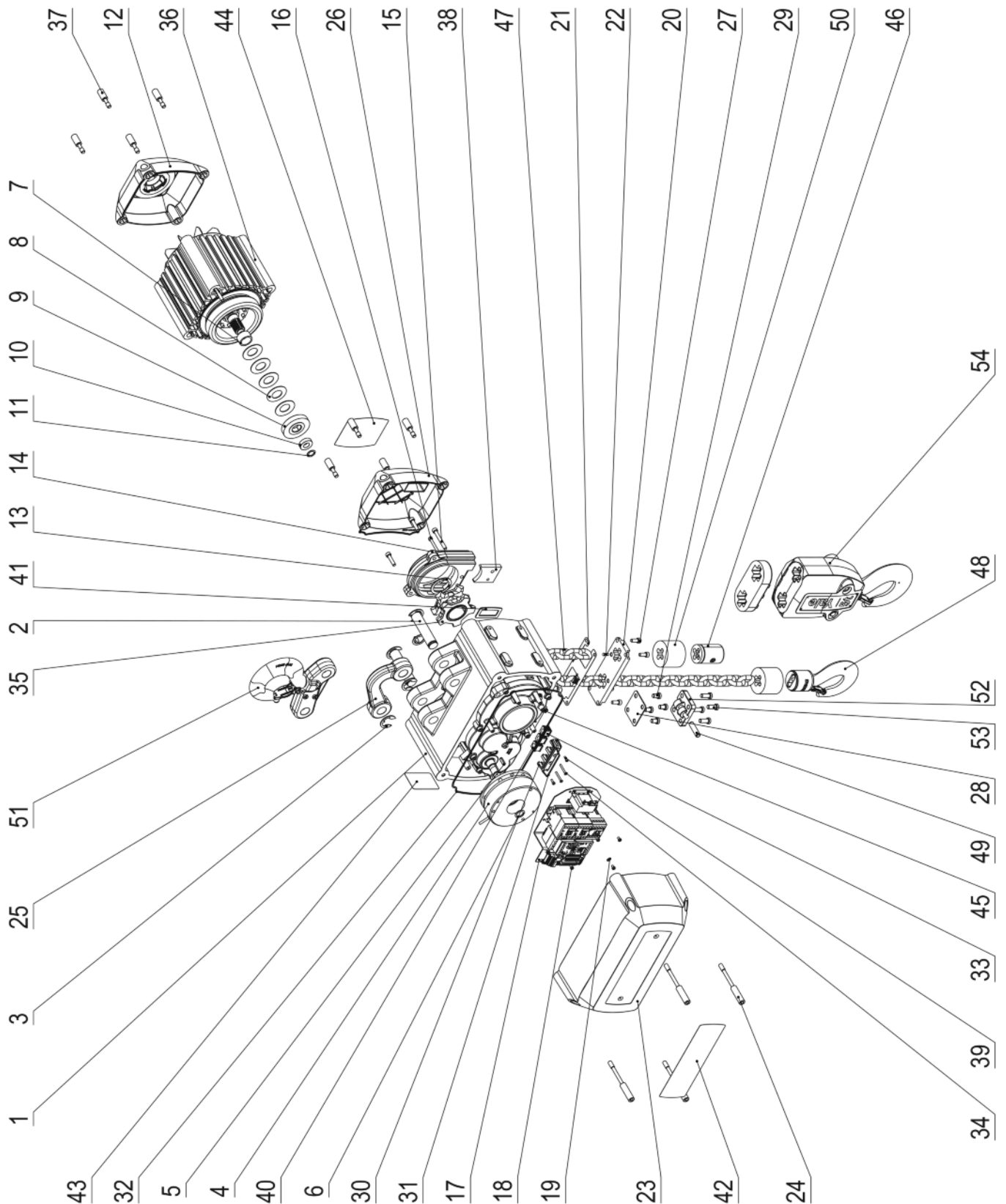
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CPV/F 25-8/50-4

HOIST ASSEMBLY - CPV/F25-8/50-4



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

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CPV/F 25-8/50-4

HOIST ASSEMBLY - CPV/F25-8/50-4

Item	Description	CPV/F25-8 Article no.	CPV/F50-4 Article no.	Quantity required
1	Gear box, assy.	N00671247	N00671247	1
2	Suspension bolt	N00671244	N00671244	2
3	Lock washer	N09123053	N09123053	4
4	Brake, assy. BFK 457-12 ²	N00671298	N00671298	1
5	Fitting key	N09131017	N09131017	1
6	Retaining ring	N09129025	N09129025	1
7	Spacer sleeve	N00671289	N00671289	1
8	Cup spring	N09120061	N09120061	5
9	Clutch plate, assy.	N00671299	N00671299	1
10	Bearing	N09151194	N09151194	1
11	Retaining ring	N09129029	N09129029	1
12	Fan cover, assy.	N00671300	N00671300	1
13	Retaining ring	N09129078	N09129078	1
14	Chain guide ²	N00671304 ✓	N00671304 ✓	1
15	Screw	N09102214	N09102214	1
16	Screw	N09102195	N09102195	1
17	Control board, assy.	N00671302 ✓	N00671302 ✓	1
18	Screw	N09102287	N09102287	4
19	Toothed washer	N09123055	N09123055	1
20	Chain entry plate	N00671306	N00671306	1
21	Microswitch, assy.	N00671308 ✓	N00671308 ✓	1
22	Ram	N00671309	N00671309	2
23	Cover	N00671310	N00671310	1
24	Screw	N00671311	N00671311	4
25	Suspension lug ¹	N00671313	N00671313	1
26	Cover load sheave	N00671314	N00671314	1
27	Screw	N09102029	N09102029	4
28	Cover plate	N00671316	–	1
29	Screw	N09102288	–	4
30	Adapter Cabtite	N00671317	N00671317	1
31	Adapter for gasket	N00671318	N00671318	1
32	Sealing for cover, control	N00671319	N00671319	1
33	Cable sleeve	N00671446	N00671446	2
34	Screw	N09103058	N09103058	2
35	Load sheave	N00671362	N00671362	1
36	Motor, assy./Size CPV	N00671269	N00671269	1
37	Cover screw fan	N00671315	N00671315	8
38	Chain stripper	N00671427	N00671427	1
39	Screw	N09102219	N0910221	2
40	Cable sleeve	N00671194	N00671194	1
41	Gasket for cable	N00671560	N00671560	1
42	Name plate	192030808	192030808	1
43	Name plate 2G	192030803	192030803	1
44	Capacity plate	192030798	–	1
45	Rope clamp	N00605355	N00605355	1
46	Chain end stop, assy.	N00609995	–	2
47	Load chain	N06109488 ✓	N06109488 ✓	per mtr
48	Bottom block, assy. with hook	N00600641 ✓	N00608855 ✓	1
49	Chain bolt	–	–	2
50	Buffer	N00670251	–	2
51	Top hook	Option	Option	1
52	Chain anchor	–	192026575	1
53	Screw	–	N09102036	4
54	Bottom block assy., double reeving	–	192026601	2

¹ Alternative adaption on request

² Bolting tourques screws: Chain guide Ma = 8.5 Nm/Brake Ma = 2.8 Nm, Screws locked with Loctite 243

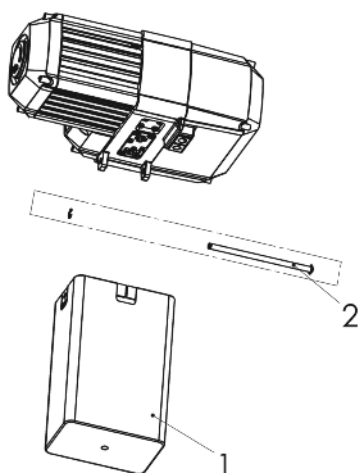
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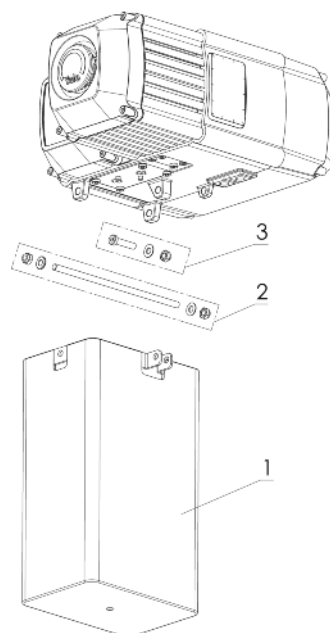
CPV & CPV/F CHAIN CONTAINERS

**CPV/F 2-8 NE
CPV/F 5-4 NE**

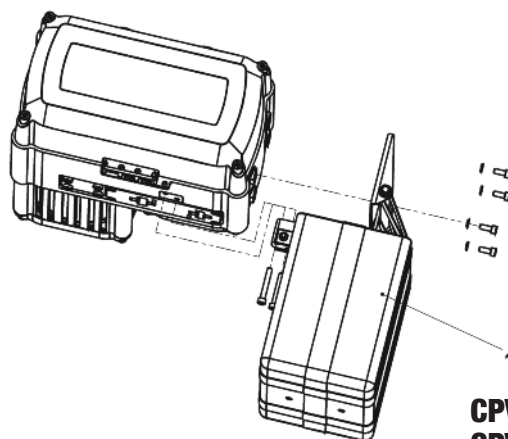
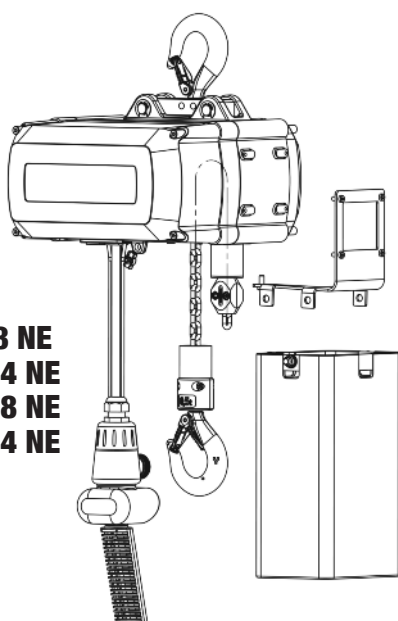


**CPV/F 2-8/5-4
PRE 2015/16**

**CPV/F 5-8
CPV/F 10-4
CPV/F 10-8
CPV/F 20-4**



**CPV/F 5-8 NE
CPV/F 10-4 NE
CPV/F 10-8 NE
CPV/F 20-4 NE**



**CPV/F 25-8
CPV/F 50-4**

Chain container including fixing kit	CPV/F 2-8 NE CPV/F 5-4 NE	CPV/F 2-8 CPV/F 5-4 CPV/F 5-8 CPV/F 10-4 PRE 2015/16	CPV/F 5-8 NE CPV/F 10-4 NE	CPV/F 10-8 CPV/F 20-4	CPV/F 10-8 NE CPV/F 20-4 NE	CPV/F 25-8 CPV/F 50-4
Description	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.
Chain container assembly - Size 1	N06900043	N06900003	N06900003+ 192061047	N06900006	N06900006+ 192062294	192030727
Suitable for mtrs of chain	15m	10m	10m	12m	12m	13m
Chain container assembly - Size 2	N06900036	N06900004	N06900004+ 192061047	N06900007	N06900007+ 192062294	192030729
Suitable for mtrs of chain	32m	22m	22m	18m	18m	25m
Chain container assembly - Size 3	N06900044	N06900005	N06900005+ 192061047	N06900014	N06900014+ 192062294	192030730
Suitable for mtrs of chain	52m	40m	40m	25m	25m	30m
Chain container assembly - Size 4	-	N06900016	N06900016+ 192061047	N06900015	N06900015+ 19206229	-
Suitable for mtrs of chain	-	64m	64m	40m	40m	-

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NB: Any prices shown are per individual part.

PENDANT CONTROLS AND CABLES FOR ALL HOISTS

* Radio remote controls are also available. Please see page 36 for full details



'The Charlie'

1

There are no spare parts available for these pendants.



'The Mike'

2

2 BUTTON PENDANT CONTROL

Position	Description	Article no.	Quantity	Price £
1	Single speed (1G) pendant control with emergency stop	N00670298	1	£100.73
1	Single speed (1G) Lodestar pendant control with emergency stop	C20835	1	£110.80
1	Dual speed (2G) pendant control with emergency stop	N00670299	1	£114.23

4 & 6 BUTTON PENDANT CONTROL

Position	Description	Article no.	Quantity	Price £
2	Single speed all motions (1G/1G) pendant control with emergency stop	N00670300	1	£152.08
2	Dual speed lift and single speed travel (2G/1G) pendant control with emergency stop	N00670301	1	£157.92
2	Dual speed all motions (2G/2G) pendant control with emergency stop	N00670302	1	£169.63
2	Single speed lift and dual speed travel (1G/2G) pendant control with emergency stop	N00670308	1	£157.92
not shown	6 Button single speed all motions with emergency stop	N00600082	1	£325.49
not shown	6 Button dual speed all motions with emergency stop	N00600083	1	£406.88

PENDANT CONTROL CABLE

Description	To suit	Article no.	Price £ / per mtr
5 core internal strainer	Hook suspension or with push travel trolley Lodestars only	N4300009282	£8.73
5 core external strainer	CPS/CPV/CPE single/dual speed hoists. Lug/hook or push travel.	N4300006527	£8.73
8 core external strainer	CPV/CPE/Lodestar fitted with electric single speed travel trolleys	N4300006528	£12.01
12 core external strainer	CPV/CPE/Lodestar fitted with electric dual speed travel trolleys	N4300006529	£12.01
16 core external strainer	For dual speed all motion hoists including downshop travel	N4300008426	£18.56

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NB: Any prices shown are per individual part.

LODESTAR 110-230V ELECTRIC CHAIN HOISTS (1ph)

 For 400V spares
please contact the
sales office

MAIN FRAME - Models: C & F

Item	Article no.	Description	Qty.	£ each
1	C27597	Motor housing cover	1	£105.66 ✓
2	C28009C	Back frame cover	1	£83.96 ✓
3	C27618	Back frame	1	£65.95
4	C28669	Gear housing with bearing	1	£64.23
5	10001712	Motor housing	1	£87.74
6a	C286010	Stator 1/2 HP with Klixon	1	£184.63
6b	C286001	Rotor and shaft 1/2 HP	1	£186.19
7	C2879	Protector kit (model C)	1	£349.57
7	C2880	Protector kit (model F)	1	£326.75
7a	C28695	Protector	1	£234.23
8	C987397	Screw motor housing cover	2	£1.38 ✓
10	C982226	Lock washer (all models)	2	£1.11
10	C982251	Weatherproof washer	2	£1.11 ✓
13	C27360	Lift wheel	1	£91.25 ✓
14	C85973	Load chain (6.3 x 18.9mm) zinc plated, grade 80	mtr	£19.66 ✓
14	C85952	Load chain (6.3 x 18.9mm) stainless steel, grade 60	mtr	£91.71
19	C87325	Screw	3	£3.07 ✓
21	C927755	Suspension nut	2	£1.11
24	C983784	End cover alignment pin	8	£1.11
25	C27008	Chain guide	2	£22.54 ✓
27	C27747	Gasket gear housing	1	£6.51
28	C27848	Gasket back frame	1	£5.28 ✓
29	C27847	Gasket motor housing cover	1	£3.25 ✓
30	C24642	Drive shaft and pinion	1	£56.15
30a	C27852	Hub	1	£15.60
30b	C24642	Drive shaft/pinion sub ass.	1	£70.19
31	C27716	Capacitor	1	£24.57 ✓
34	C24797	Contactor (48v 1ph)	1	£140.38 ✓
35	C28903	Mainline contactor (e.stop)	1	£43.81 ✓
36	C27257	Reversing switch	1	£116.29 ✓
37	C28297	Transformer with fuse (110v)	1	£128.53
37	C28295	Transformer with fuse (230v)	1	£153.97
38	C27681	Brake complete (230v/110v)	1	£332.50
39	C28668	Brake base plate	1	£37.34 ✓
40	C27677	Brake disc	2	£22.40
41	C27090	Brake intermediate plate	1	£15.15
42	C28678	Brake armature assembly	1	£65.29
43	C27751	Brake spring, blue	2	£1.25
44	C51517	Brake coil (110v 1ph)	1	£52.64
45	C57753	Strap coil retainer	1	£1.73
46	C28677	Brake field sub assembly	1	£110.34
47	C27307	Limit shaft 56 TPI	1	£23.84
47	C27251	Limit shaft 64 TPI	1	£29.24
48	C36318	Limit nut 56 TPI	2	£15.57
48	C36319	Limit nut 64 TPI	2	£16.63
49	C27714	Gear limit assembly	1	£11.70
50	C31631	Limit switches kit	1	£23.40 ✓
51	C27502	Limit switch bracket	1	£64.04
52	C27277	Capacity label (250kg)	1	£5.35
53	C27278	Capacity label (500kg)	1	£5.28
54	C27238	Lodestar label	1	£8.91
55	C27965	ID plate	1	£8.91

MAIN FRAME - Models: J, L, R, & RT

Item	Article no.	Description	Qty.	£ each
1	C36025C	Motor housing cover	1	£116.10
2	C36008C	Back frame cover	1	£72.81 ✓
3	C35031C	Back frame	1	£112.31 ✓
4	C35620	Gear housing (mod. J, L & R)	1	£129.42
4	C36604	Gear housing (model RT)	1	£162.61
5	C24008C	Motor housing (mod. J, L & R)	1	£157.83
5	C36078	Motor housing (model RT)	1	£183.09
6	C367010	Stator c/w rota with Klixon	1	£586.96

MAIN FRAME - Models: J, L, R, & RT (continued)

Item	Article no.	Description	Qty.	£ each
7	C3603	Protector kit (L, R & RT)	1	£577.30
7a	C36668	Protector (model J)	1	£402.60
7a	C36670	Protector (L, R & RT)	1	£389.32
8	C987553	Screw motor housing cover	2	£2.99 ✓
9	C87334	Stator screw	4	£11.72
10	C982226	Lock washer (all models)	6	£1.11
10	C982251	Weatherproof washer (all)	6	£1.11
11	C982226	Stator screw lockwasher	2	£1.11
12	C36764B	Contact block (model R)	1	£42.07 ✓
13	C10001719	Liftwheel	1	£185.53 ✓
14	C85983	Load chain (7.9 x 21.7mm)	mtr	£26.20 ✓
15	C35418	Dead end block (model R)	1	£25.40
16	C82314	Pin dead end (model R)	1	£5.66
17	C98830	Split pin (model R)	1	£1.11
18	C987877	Washer (model R)	1	£1.11
19	C968752	Screw	4	£1.77 ✓
20	C35066	Anchor susp. adaptor (J, L & R)	2	£13.24
20	C36015	Anchor susp. adaptor (RT)	2	£129.28
21	C935791	Suspension nut	2	£2.41
22	C940830	Back frame screw & washer	2	£1.69
23	C983784	Alignment pin	8	£1.11
24	C983722	Back frame attaching screw	2	£1.11
25	C10001507	Chain guide	2	£25.80
26	C35768	Back frame dowel	2	£1.11
27	C35707	Gasket gear housing	1	£11.67 ✓
28	C35840	Gasket back frame cover	1	£5.28 ✓
29	C35845	Gasket motor house cover	1	£5.28
30	C35357	Drive shaft and pinion (J)	1	£111.13
30	C35356	Drive shaft and pinion (L-RT)	1	£141.19
30a	C35744	Hub	1	£17.55
30b	C35688	Drive shaft/pinion sub ass. (J)	1	£140.38
30b	C35687	Drive shaft/pinion sub ass. (L-RT)	1	£174.34
31	C24802	Capacitor (pre CE hoist)	1	£94.52 ✓
31	C35279	Start capacitor	1	£73.70 ✓
32	C35278	Run capacitor	1	£47.90
33	C31635	Contactor mounting plate	1	£29.24 ✓
34	C28906	Reversing contactor (1ph)	1	£159.18
34	C27885	Reversing contactor (sq.D)	1	£258.96
34	C24797	Reversing contactor (400/48v)	1	£147.40 ✓
35	C36786	Mainline contactor (e.stop)	1	£94.88 ✓
36	C35499	Reversing switch	1	£130.80 ✓
37a	C28297	Transformer with fuse (110v 1ph)	1	£128.53
37b	C28295	Transformer with fuse (230v/415v)	1	£153.97
37c	C28294	Transformer with fuse (415/110v sec)	1	£149.30
-	C27675	Fuse slow burn	1	£4.59
38	C35646	Brake complete (110v 1ph)	1	£507.06 ✓
38	C35647	Brake complete (230v/415v)	1	£513.16
39	C35643	Brake base plate and stud	1	£50.35
40	C35632	Brake disc	2	£50.80
41	C35069	Brake intermediate plate	1	£28.61
42	C35600	Brake armature assembly	1	£124.95
43	C35716	Brake spring, yellow	1	£1.77
44	C51510	Brake coil (110v 1ph)	1	£65.51
44	C51511	Brake coil (230v/415v)	1	£68.59
45	C35704	Strap coil retainer	1	£1.73
9.79				
47	C36317	Limit shaft 56 TPI	1	£39.66
47	C36321	Limit switch shaft 64 TPI	1	£45.62
48	C36318	Limit nut 56 TPI	2	£15.57
48	C36319	Limit nut 64 TPI	2	£16.63
49	C35753	Gear limit assembly	1	£11.70 ✓
50	C31636	Limit switches kit	1	£25.73
51	C36644	Limit switch bracket	1	£21.06
52	C36674	Hex brake stud	1	£25.80
52a	C35831	Hex brake stud spring	1	£1.11
53	C35201	Capacity label (1000kg)	1	£5.85
53	C35202	Capacity label (2000kg)	1	£7.02
53	C35203	Capacity label (3000kg)	1	£8.29
54	C36840	Lodestar label	1	£10.52
55	C35916	ID plate	1	£15.73

✓ = Recommended spares if applicable.

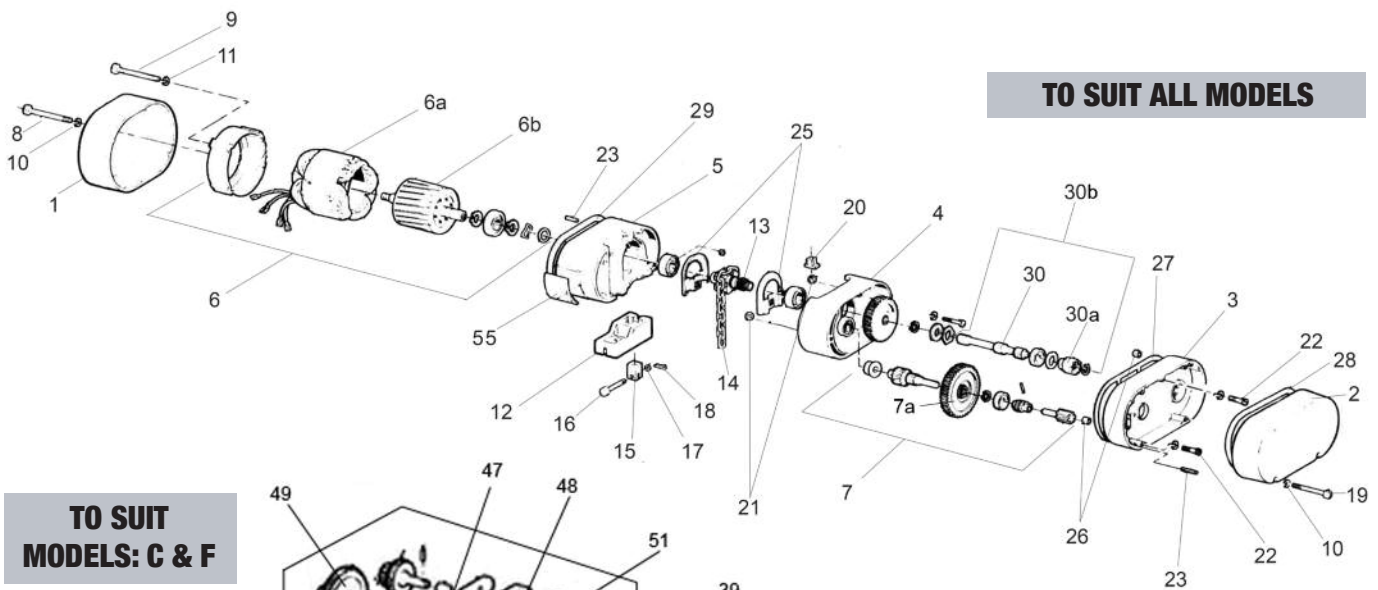
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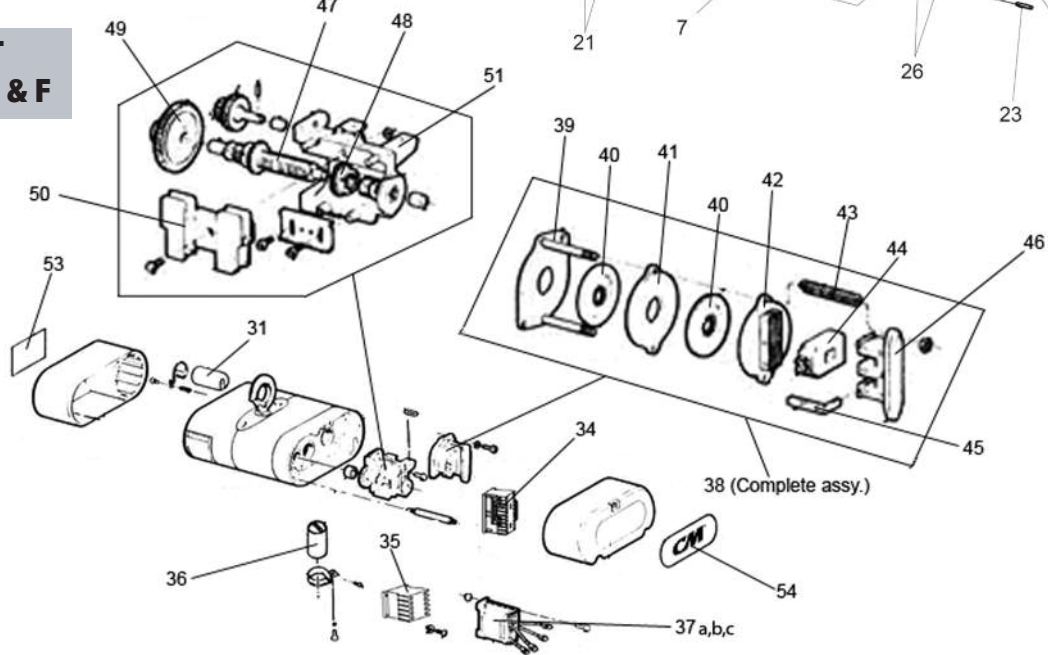
LODESTAR 110-230V ELECTRIC CHAIN HOISTS (1ph)

MAIN FRAME PARTS

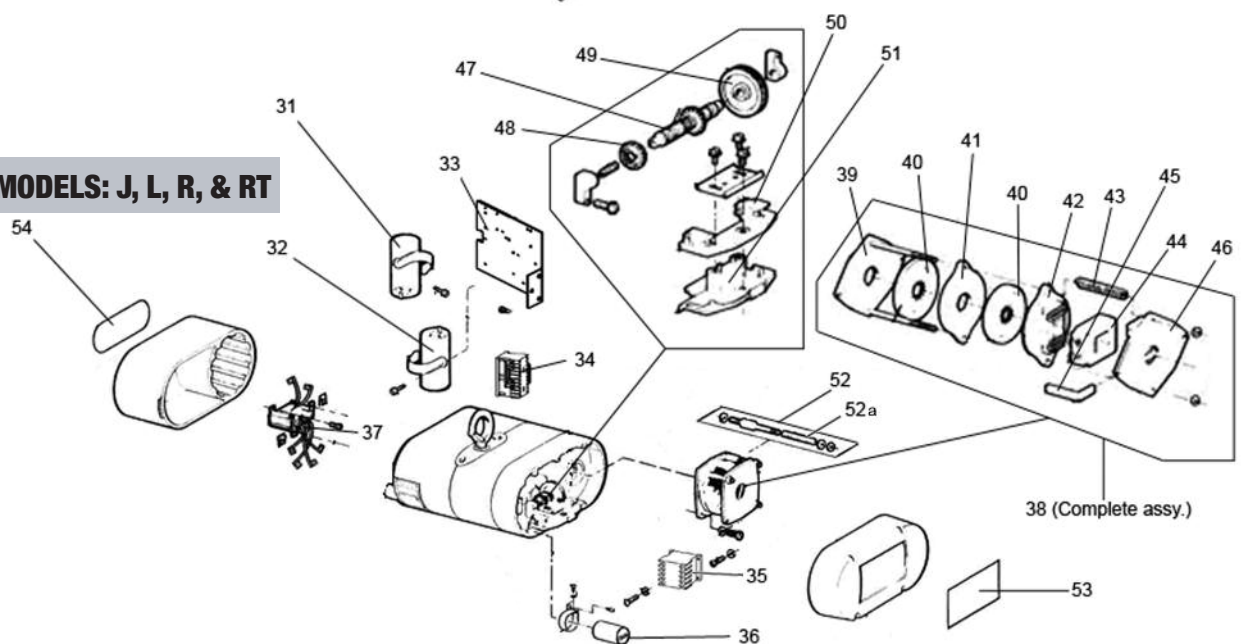
TO SUIT ALL MODELS



TO SUIT
MODELS: C & F



TO SUIT MODELS: J, L, R, & RT



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LODESTAR 110, 230 & 400v ELECTRIC CHAIN HOISTS

TOP HOOK - Models: C & F

Item	Article no.	Description	Qty.	£ each
1	C2788	Top hook assy. complete	1	£111.06 ✓
2	C28689	Top hook	1	£41.31
3	C45661	Safety latch kit	1	£4.10 ✓
5	C27529	Suspension screw kit (2)	1	£4.94
6	C27703B	Suspension mounting	1	£17.55
7	C27361	Hook locking nut	1	£41.80
8	C27805	Hook nut pin	1	£2.10

TOP HOOK - Models: J & L

Item	Article no.	Description	Qty.	£ each
1	C3651	Top hook assy. complete	1	£180.40 ✓
2	C35617B	Top hook	1	£84.13 ✓
3	C45662	Safety latch kit	1	£4.68
5	C35588	Suspension screw kit (2)	1	£6.58 ✓
6	C35740B	Suspension mounting	1	£38.28
7	C35458	Hook locking nut	1	£37.03
8	C983763	Hook nut pin	1	£1.11

TOP HOOK - Model: R

Item	Article no.	Description	Qty.	£ each
1	C3658	Top hook assy. complete	1	£229.83
2	C35616B	Top hook	1	£85.96 ✓
3	C45663	Safety latch kit	1	£5.28
4	C35957	Dead end bolt	1	£15.20 ✓
5	C35588	Suspension screw kit (2)	1	£6.44 ✓
6	C35741B	Suspension mounting	1	£41.00
7	C35479	Hook locking nut	1	£48.93
8	C983761	Hook nut pin	1	£1.11
9	C82314	Dead end pin	1	£5.66
10	C988330	Split pin	1	£1.11
11	C987877	Washer	1	£1.11
12	C35418	Dead end block	1	£25.40

TOP HOOK AND SHEAVE HANGER - Model: RT

Item	Article no.	Description	Qty.	£ each
15	C9559	Top hook assy. complete	1	£244.53
2	C36613	Top hook	1	£98.93
3	C45663	Safety latch kit	1	£5.28 ✓
5	C35588	Suspension screw kit (2)	1	£6.58 ✓
6	N/A	Only available as part of item 15	-	-
7	C36360	Hook locking nut	1	£56.15 ✓
8	C983762	Hook nut pin	1	£1.11
17	C36011	Sheave hanger casting	1	£130.18
18	C88429	Bearings	2	£5.39
19	C36350	Upper sheave	1	£88.78
20	C40740	Circlip	2	£1.53
21	CC246	Clover leaf and screws	1	£33.24
22	CC247	Sheave stud and washer	1	£337.50
23	C36620	Sheave hanger complete	1	£512.51

THREE FALL BOTTOM HOOK - Model: RT

Item	Article no.	Description	Qty.	£ each
3	C45663	Safety latch kit	1	£5.28
6	C88505	Thrust bearing	1	£25.05
7	C36352	Bottom hook nut	1	£30.71
8	C983762	Pin	1	£1.11
19	C36607	Bottom hook assy. complete	1	£661.56
20	C36010	Hook block	2	£155.62
21	C83670	Hook block bearing	2	£8.34
22	C36351	Load sheave	1	£146.53
23	CC249	Dead end screw and nut	1	£110.93
24	CC245	Hook block screws and nut	2	£29.50
25	C36606	Bottom hook assy.	1	£160.13

SINGLE FALL BOTTOM HOOK - Models: C, F, J, & L

Item	Article no.	Description	Qty.	£ each
1	C28683	Bottom hook assy. (C & F)	1	£105.08 ✓
1	C27100	S/Steel bottom hook assy. (C & F)	1	£565.47
1	C35651	Bottom hook assy. (J & L)	1	£150.14 ✓
2	C28683	Bottom hook (C & F)	1	£105.08
2	C35611	Bottom hook (J & L)	1	£86.64
3	C45661	Safety latch kit (C & F)	1	£4.10 ✓
3	C45662	Safety latch kit (J & L)	1	£4.68 ✓
4	C45401B	Hook body sleeve (C & F)	1	£23.99
4	C27450	Hook body sleeve (J & L)	1	£33.60
5	C945921	Hook washer	1	£1.11
6	C35026	Lower hook chain block	1	£14.53
7	C982526	Bottom hook nut	1	£2.41
8	C983772	Pin	1	£1.11
9	C45943	Chain block pin (C & F)	1	£2.34
9	C35790	Chain block pin (J & L)	1	£2.34
10	C28007	Chain block (C & F)	1	£13.46
10	C35026	Chain block (J & L)	1	£14.56

TWO FALL BOTTOM HOOK - Model: R

Item	Article no.	Description	Qty.	£ each
2	C35612	Bottom hook	1	£68.91
3	C45663	Safety latch kit	1	£5.28
6	C88505	Thrust bearing	1	£25.05
8	C45946	Pin	1	£1.17 ✓
11	C35478	Hook collar	1	£46.17
12	192045793	Bottom hook assy. complete	1	£492.57
13	C35032	Hook block	2	£11.70
14	C83674	Hook block bearing	2	£8.29 ✓
15	C35010	Load sheave	1	£50.68
16	C982374	Hook block screw long	2	£1.17
16a	C982370	Hook block screw short	1	£1.17
17	C982445	Nut	3	£1.11
18	C940830	Washer	3	£1.11

ACCESSORIES

Item	Article no.	Description	Qty.	£ each
-	C20835	S/S Pendant, 2 button e.stop	1	£110.80
-	4300006523	D/S Pendant, 2 button e.stop	1	£114.23
-	4300009282	Pendant cable, 5c	1	£8.73
-	C28777	Control cable grommet (gland)	1	£7.18
-	C27289	Mains cable grommet (gland)	1	£3.87
-	C85973	Load chain (C & F)	mtr	£19.66
-	C85983	Load chain (J, L, R & RT)	mtr	£26.20
-	C24015K	Chain end stop (C & F)	1	£39.19
-	C24016K	Chain end stop (J, L, R & RT)	1	£42.70
-	4300007040	110v, 16amp cee-form plug	1	£7.02
-	4300007041	110v, 32amp cee-form plug	1	£15.20
-	4300012954	Raincoat (C & F)	1	£114.64
-	4300012953	Raincoat (J, L, R & RT)	1	£125.56
-	C28605	Grease (1/2lb can)	1	£16.98
-	4300006872	Folding handles (sold in pairs)	2	£8.77
-	4300007037	110v Yellow mains cable	mtr	£5.28
-	4300007036	230v Blue mains cable	mtr	£5.28
-	4300007038	16A 'C' Form 240v blue plug	1	£9.95
-	4300007039	32A 'C' Form 240v blue plug	1	£12.28
-	C84190	Orange paint 'Sunburst' can	1	£48.92

LODESTAR®

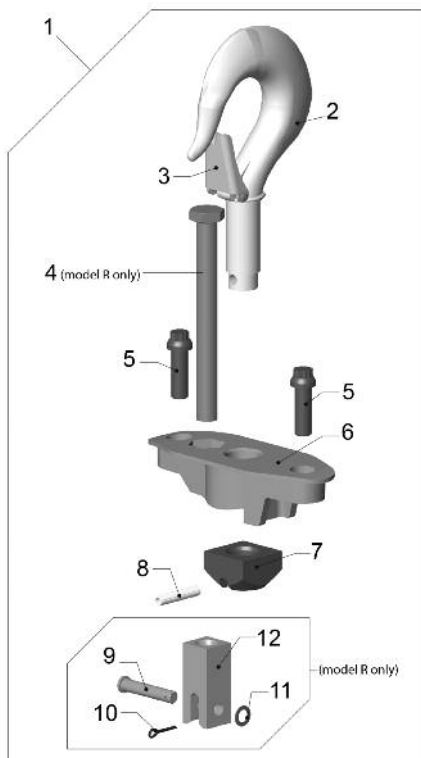
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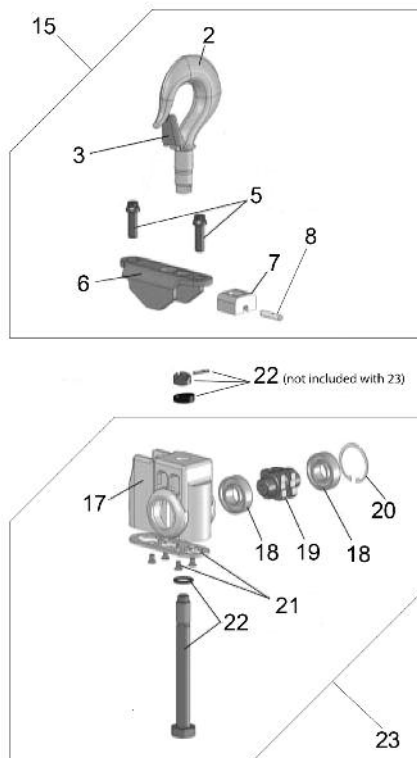
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LODESTAR 110, 230 & 400V ELECTRIC CHAIN HOISTS

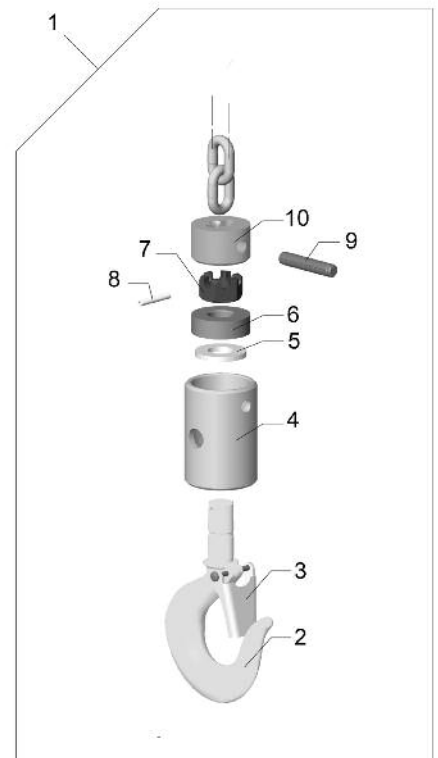
UPPER AND LOWER HOOK ASSEMBLIES



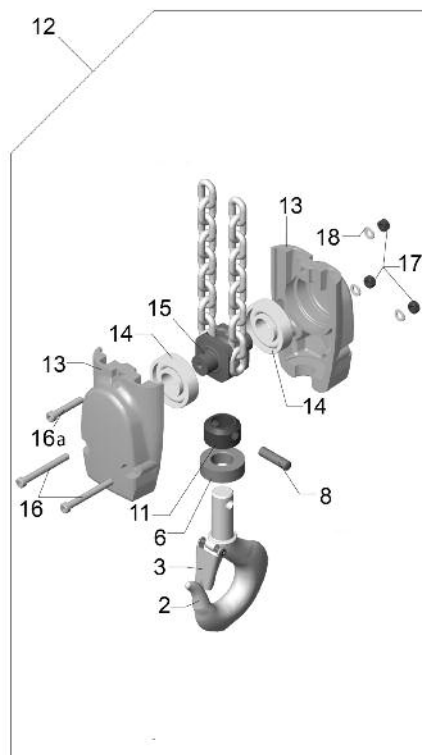
**TOP HOOK SUSPENSION TO
SUIT MODELS: C, F, J, L & R**



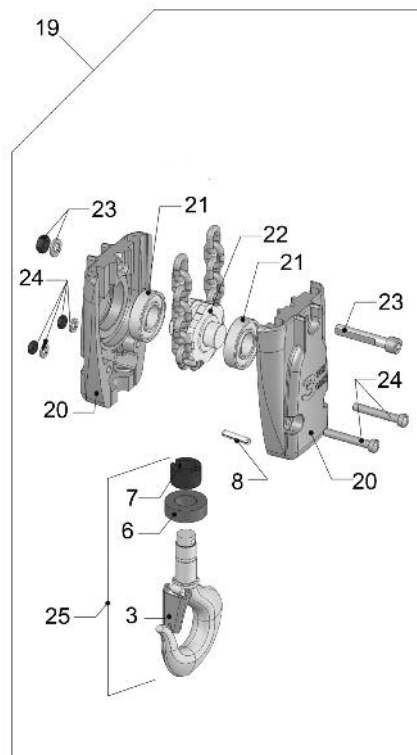
**TOP HOOK & SHEAVE HANGER
TO SUIT MODEL: RT**



**SINGLE FALL BOTTOM HOOK
TO SUIT MODELS: C, F, J & L**



**TWO FALL BOTTOM HOOK
TO SUIT MODEL: R**



**TRIPLE FALL BOTTOM HOOK
TO SUIT MODEL: RT**

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPS 110, 230 & 400V ELECTRIC CHAIN HOISTS

125 and 250kg Capacities

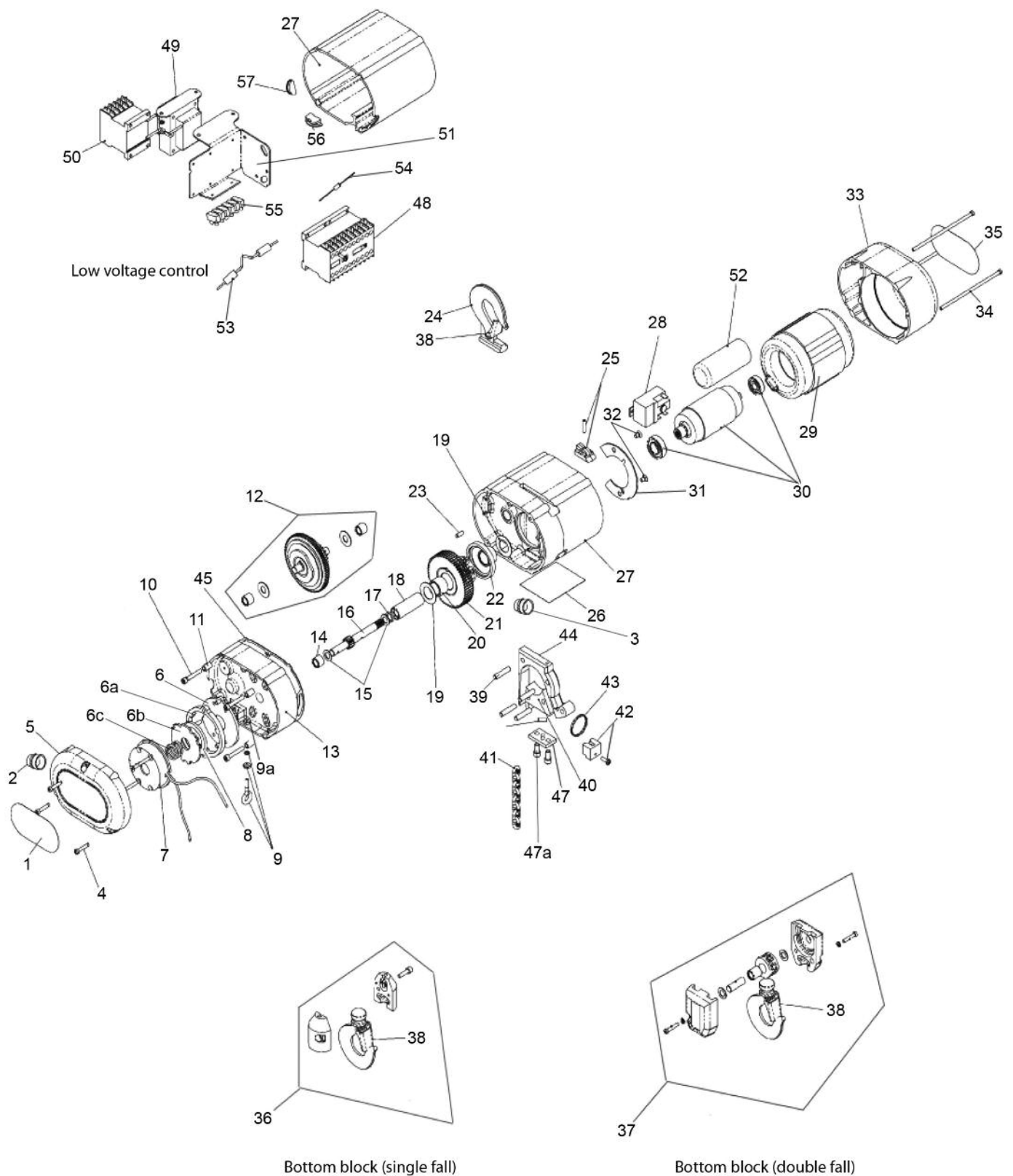
Item	Article no.	Description	Qty.	£ each	Item	Article no.	Description	Qty.	£ each
1	4300008259	Capacity label (125kg)	1	£4.23	27	20300	Main frame for LV control (includes items 19 & 22)	1	£44.35
1	4300008260	Capacity label (250kg)	1	£4.23					
2	20779	Power cable grommet	1	£2.61	28	20709	Cut out device (110v)	1	£26.84 ✓
3	20711	Control cable grommet	1	£5.20	28	20786	Cut out device (230v)	1	£26.84 ✓
4	20808	Brake end cover screw	3	£2.61	29	20707	Motor stator (110v)	1	£136.70
5	20366	Brake end cover	1	£19.54	29	20328	Motor stator (230v)	1	£153.64
					29	20330	Motor stator (400v)	1	£238.27
6	20419	Brake base plate	1	£13.67	30	20651	Rotor assy. c/w bearings	1	£111.96
6a	20723	Brake spacer	1	£5.20					
6b	20420	Brake armature	1	£10.42	31	20700	Pin retainer plate	1	£3.89
6c	20887	Brake spring	1	£1.32	32	20743	Retainer plates screw	2	£1.11
					33	20369	Motor end cover	1	£55.34
7	20659	Brake field (110v)	1	£50.84 ✓	34	920719	Motor cover screw	3	£2.61
7	20658	Brake field (400v & 230v)	1	£54.63 ✓	35	4300008302	"Yale" brand logo	1	£4.58
8	20698	Brake assembly	1	£26.03 ✓	36	C10001951	Single fall bottom block	1	£34.63 ✓
9	0404HH	Eyebolt	1	£2.09	37	C10001952	Double fall bottom block	1	£99.86 ✓
9a	3X845	Eyebolt nut	1	£1.11	38	C595522	Hook latch kit	1	£3.89 ✓
10	920718	Gear housing screw	4	£1.11					
11	4300008267	Gear housing spacer	4	£1.11	39	20729	Chain guide/stripper pin	4	£1.11
					40	20305	Stripper	1	£16.92 ✓
12	20645	Clutch assembly 4m/min	1	£105.94 ✓					
12	20648	Clutch assembly 10m/min	1	£118.65	41	07600001	Load chain (4 x 12.2mm)	mtr	£12.25 ✓
					42	20428K	Chain end stop	1	£11.30
13	20366	Gear housing	1	£39.07	43	20744	Loose end ring	1	£1.11
14	88635	Pinion bearing	1	£6.52					
15	88639	Pinion thrust washer	2	£1.11	44	20304	Chain guide	1	£21.04
16	20422	Pinion shaft	1	£49.49	45	20755	Gasket	1	£1.97
17	20704	Lift wheel shaft seal	1	£1.11	46	920720	Dead end pin	1	£1.11
18	20313	Lift wheel shaft	1	£11.52	47	20714	Dead end plate	1	£1.37
19	88638	Lift wheel thrust washer	2	£1.11	47a	73715	Dead end plate screws	2	£1.11
20	88637	Lift wheel bearing	1	£5.20					
					48	20787	Reversing contactor (48v)	1	£154.76 ✓
21	20664	Lift wheel & gear ass. 4m/min	1	£86.56					
21	20657	Lift wheel & gear ass. 10m/min	1	£86.56	49	C20913	Transformer (110v/48v)	1	£35.81 ✓
					49	C20916	Transformer (400/230v/48v)	1	£37.75 ✓
22	20705	Lift wheel seal	1	£5.20					
23	88639	Frame pin	2	£1.11	50	36786	Mains contactor (48v)	1	£47.94 ✓
24	20650	Top hook including latch	1	£21.61 ✓	51	20918	Contactor bracket	1	£43.27
25	20712	Hook retainer & screw	1	£6.31					
					52	20708	Capacitor (110v)	1	£16.60 ✓
26	4300008288	ID label (125kg-110v)	1	£4.57	52	20785	Capacitor (230v)	1	£18.92 ✓
26	4300008289	ID label (125kg-230v)	1	£4.57					
26	4300008290	ID label (250kg-110v)	1	£4.57	53	20789	Diode assembly	1	£2.54
26	4300008291	ID label (250kg-230v)	1	£4.57	54	20861	Voltage suppressor (400v)	1	£1.90
26	4300008292	ID label (125kg-400v,4m/min)	1	£4.57	55	20918	Terminal block	1	£3.87
26	4300008293	ID label (250kg-400v,4m/min)	1	£4.57					
26	4300008294	ID label (125kg-400v,10m/min)	1	£4.57	56	20780	Plug control cable	1	£2.47
26	4300008295	ID label (250kg-400v,10m/min)	1	£4.57	57	20781	Plug power cable	1	£2.70

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CPS 110, 230 & 400V ELECTRIC CHAIN HOISTS

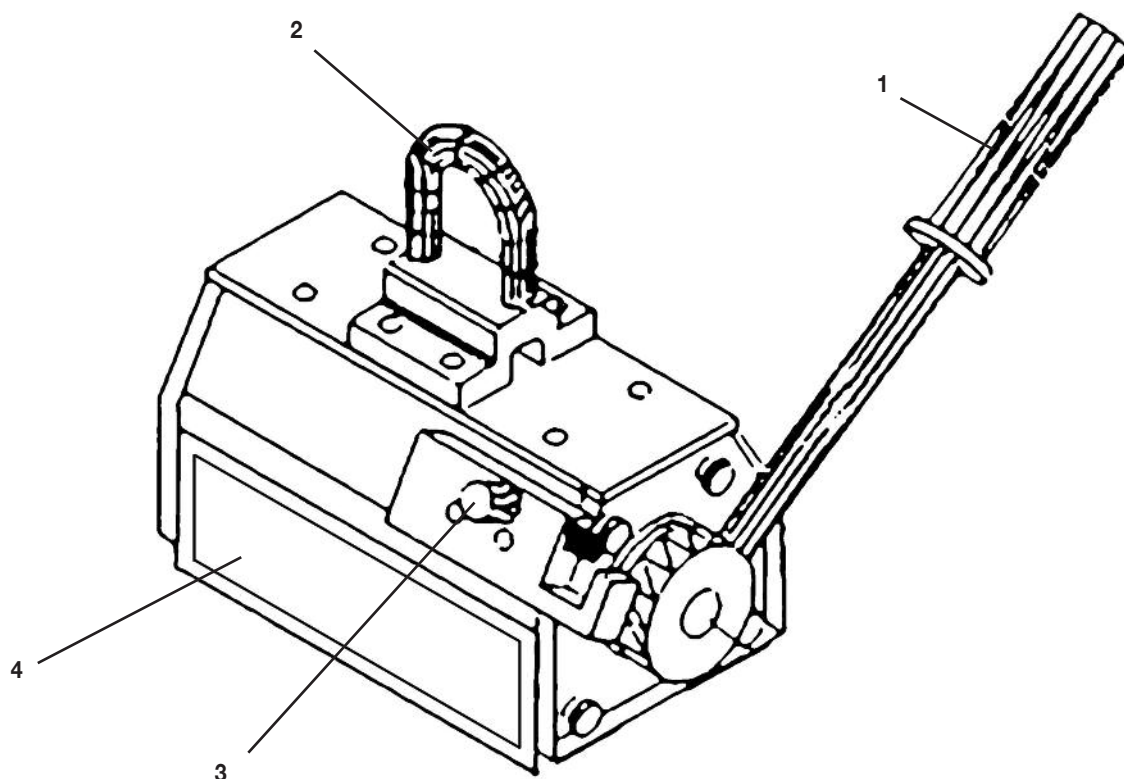


✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

TPM 100 - 2000KG MAGNET SPARES



100 - 2000kg Capacity

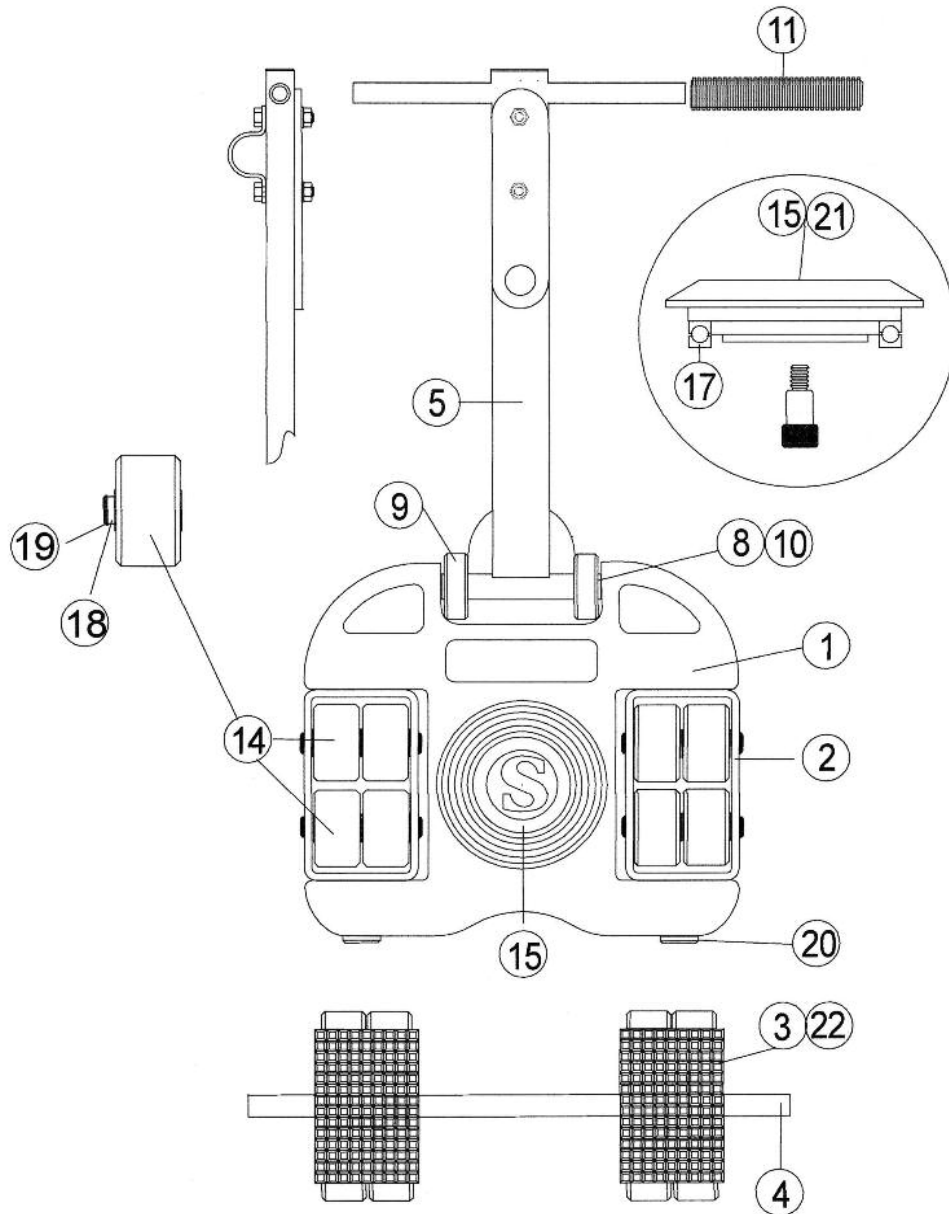
Item	Description	Article no. / price £ each						Qty.
		TPM 1	TPM 3	TPM 5	TPM 8	TPM 10	TPM 20	
1	Hand lever	N59000771 £21.97	N59000772 £31.79	N59000772 £31.79	N59000774 £44.52	N59000774 £44.52	N59000831 POA	1
2	Suspension eye	N59000746 £23.99	N59000747 £28.38	N59000748 £28.38	N59000749 £43.55	N59000749 £43.55	N59000749 £43.55	1
3	Locking mechanism	N59000751 £34.98	N59000752 £39.60	N59000752 £39.60	N59000754 £43.55	N59000754 £43.55	N59000754 £43.55	1
4	ID plate	N59000790 £6.81	N59000791 £6.81	N59000788 £6.81	N59000792 £6.81	N59000793 £6.81	N59000828 POA	1

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

SX10 STEERMAN LOAD MOVING SKATES



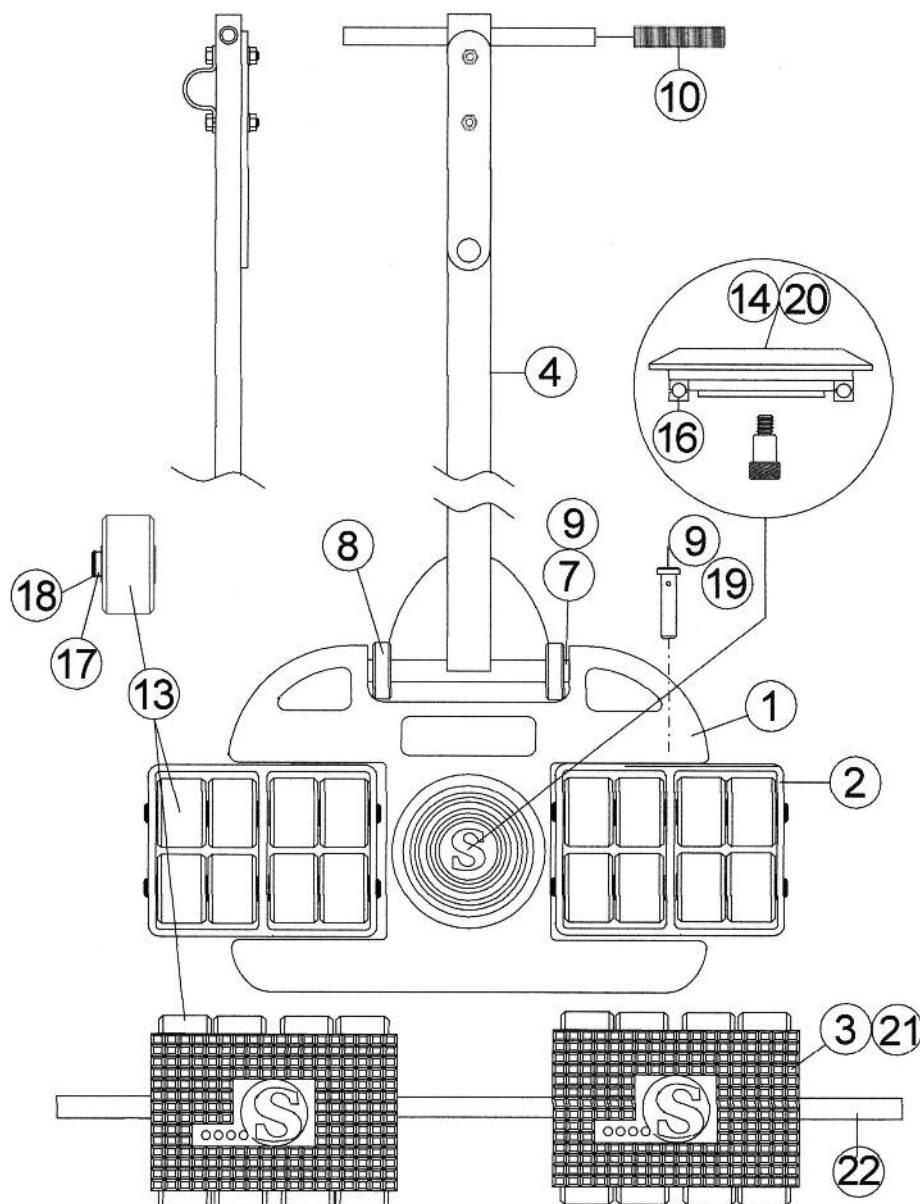
Item	Article no.	Description	Qty.	Price £
1	N4300005669	Front frame	1	£436.38
2	N4300005671	Front wheel box casting	2	£115.57
3	N4300005672	Rear trolley casting	2	£141.08
4	N4300012841	Alignment bar	1	£19.10
5	192086427	Handle assembly	1	£148.17
8	N4300005704	Pivot shaft (handle)	1	£17.41
9	N4300005676	Anti-tip roller	2	£12.90
10	N4300005659	"R" clip (handle pin/pivot pin)	6	£1.11
11	N4300002358 ✓	Rubber handle grip	2	£8.09
14	N4300005679 ✓	Wheel assembly (black)	16	£21.44
15	192086433	Turntable assembly (Turntable, bolt and Steerman decal)	1	£80.09
17	N4300005683	Turntable bearing	1	£52.33
18	N4300005661	Axle shaft (front & rear)	8	£13.50
19	N4300005664	Circlip	16	£1.11
20	N4300005684	Pivot pin	4	£18.06
21	N4300005696 ✓	Anti-slip mat (front)	1	£13.70
22	N4300005667 ✓	Anti-slip mat (rear)	2	£11.87

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

SX20 STEERMAN LOAD MOVING SKATES



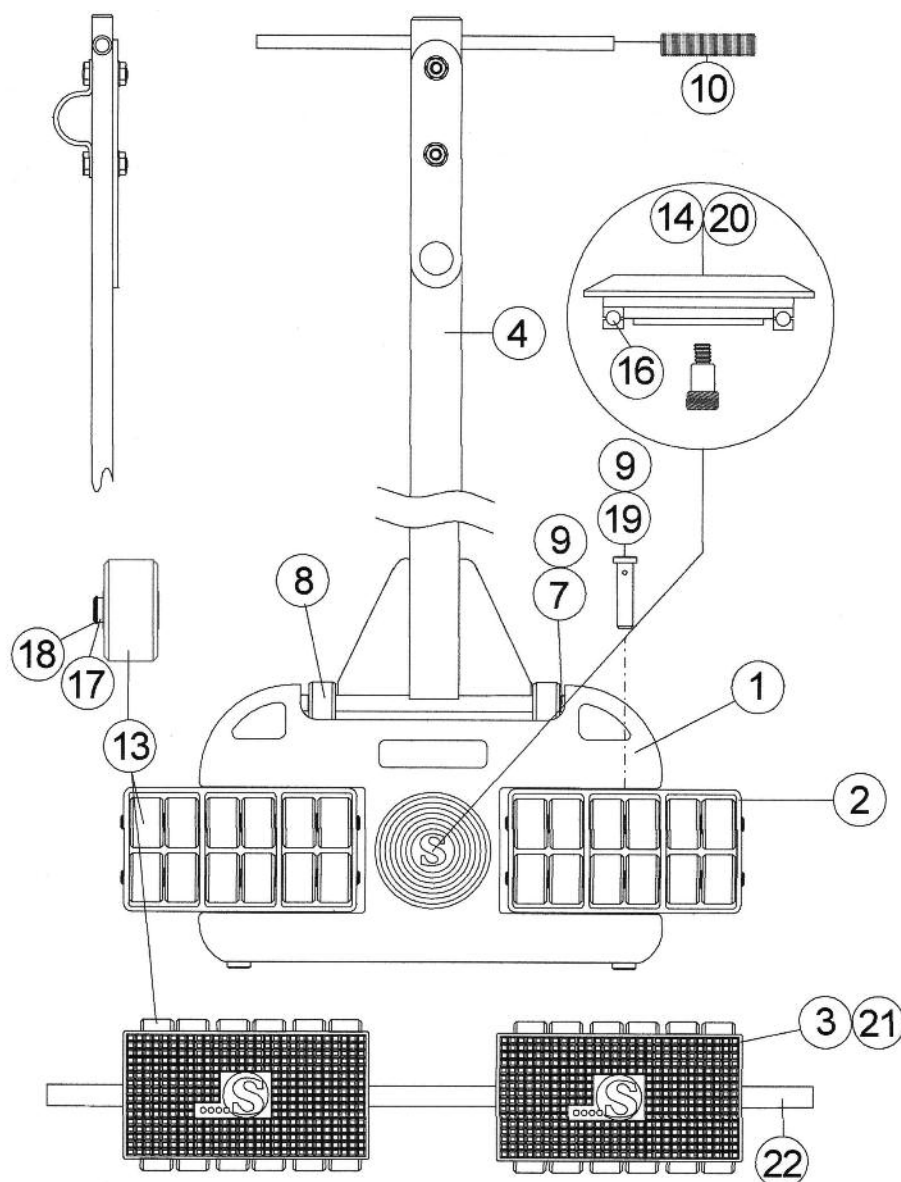
Item	Article no.	Description	Qty.	Price £
1	N4300005685	Front frame	1	£437.74
2	N4300005686	Front wheel box casting	2	£175.15
3	N4300005687	Rear trolley casting	2	£212.29
4	192086430	Handle assembly	1	£159.71
7	N4300005705	Pivot shaft (handle)	1	£19.61
8	N4300005676	Anti-tip roller	2	£12.90
9	N4300005659	"R" clip (handle pin/pivot pin)	6	£1.11
10	N4300002358 ✓	Rubber handle grip	2	£8.09
13	N4300005679 ✓	Wheel assembly (black)	32	£21.44
14	192086433	Turntable assembly (Turntable, bolt and Steerman decal)	1	£80.09
16	N4300005683	Turntable bearing	1	£52.33
17	N4300005689	Axle shaft (front & rear)	8	£15.22
18	N4300005664	Circlip	16	£1.11
19	N4300005684	Pivot pin	4	£18.06
20	N4300005696 ✓	Anti-slip mat (front)	1	£13.71
21	N4300005645 ✓	Anti-slip mat (rear)	2	£15.38
22	N4300012842	Alignment bar	1	£25.23

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

SX30 STEERMAN LOAD MOVING SKATES



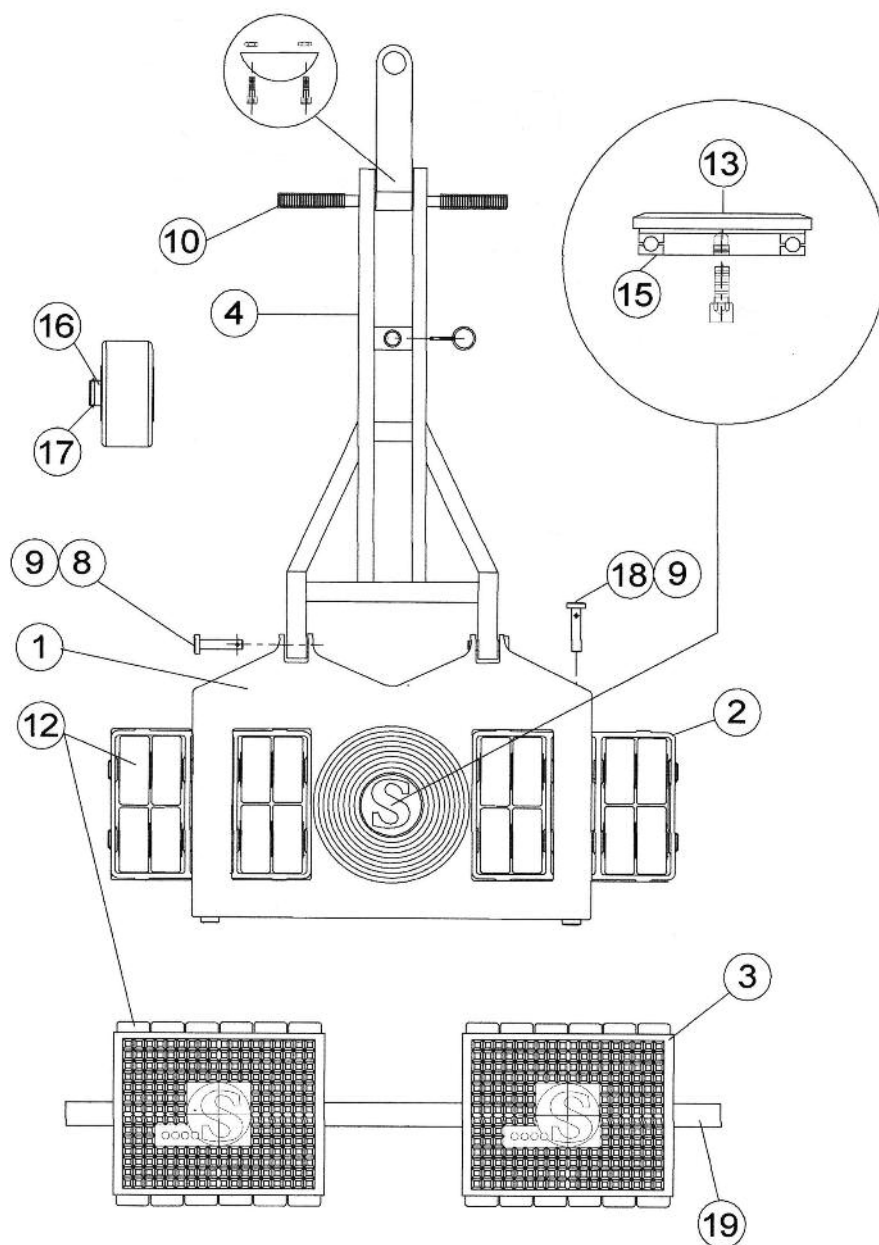
Item	Article no.	Description	Qty.	Price £
1	N4300005690	Front frame	1	£651.27
2	N4300005691	Front wheel box casting	2	£199.79
3	N4300005692	Rear trolley casting	2	£292.48
4	192086431	Handle assembly	1	£161.04
7	N4300005706	Pivot shaft (handle)	1	£22.65
8	N4300005676	Anti-tip roller	2	£12.90
9	N4300005659	"R" clip (handle pin/pivot pin)	6	£1.11
10	N4300002358 ✓	Rubber handle grip	2	£8.13
13	N4300005679 ✓	Wheel assembly (black)	48	£22.44
14	192086433	Turntable assembly (Turntable, bolt and Steerman decal)	1	£89.99
16	N4300005683	Turntable bearing	1	£49.15
17	N4300005694	Axle shaft (front & rear)	8	£16.51
18	N4300005664	Circlip	16	£1.11
19	N4300005695	Pivot pin	4	£18.97
20	N4300005696 ✓	Anti-slip mat (front)	1	£13.71
21	N4300005698 ✓	Anti-slip mat (rear)	2	£14.96
22	N4300012843	Alignment bar	1	£32.39

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

S60 STEERMAN LOAD MOVING SKATES



Item	Article no.	Description	Qty.	Price £
1	N4300005708	Front frame	1	£2073.48
2	N4300005709	Front wheel box casting	2	£648.84
3	N4300005710	Rear trolley casting	2	£994.01
4	192086432	Handle assembly	1	£421.73
8	N4300005715	Pivot pin (handle)	2	£20.22
9	N4300005716	"R" clip (handle pin/pivot pin)	6	£1.38
10	N4300002358 ✓	Rubber handle grip	2	£8.13
12	N4300005726 ✓	Wheel assembly (black)	48	£42.98
13	192086435	Turntable assembly (Turntable, bolt and Steerman decal)	1	£263.56
15	N4300005721	Turntable bearing	1	£581.64
16	N4300005722	Axle shaft (front & rear)	8	£25.83
17	N4300005723	Circlip	16	£1.11
18	N4300005724	Pivot pin	4	£23.99
19	N4300013832	Alignment bar	1	£65.99

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

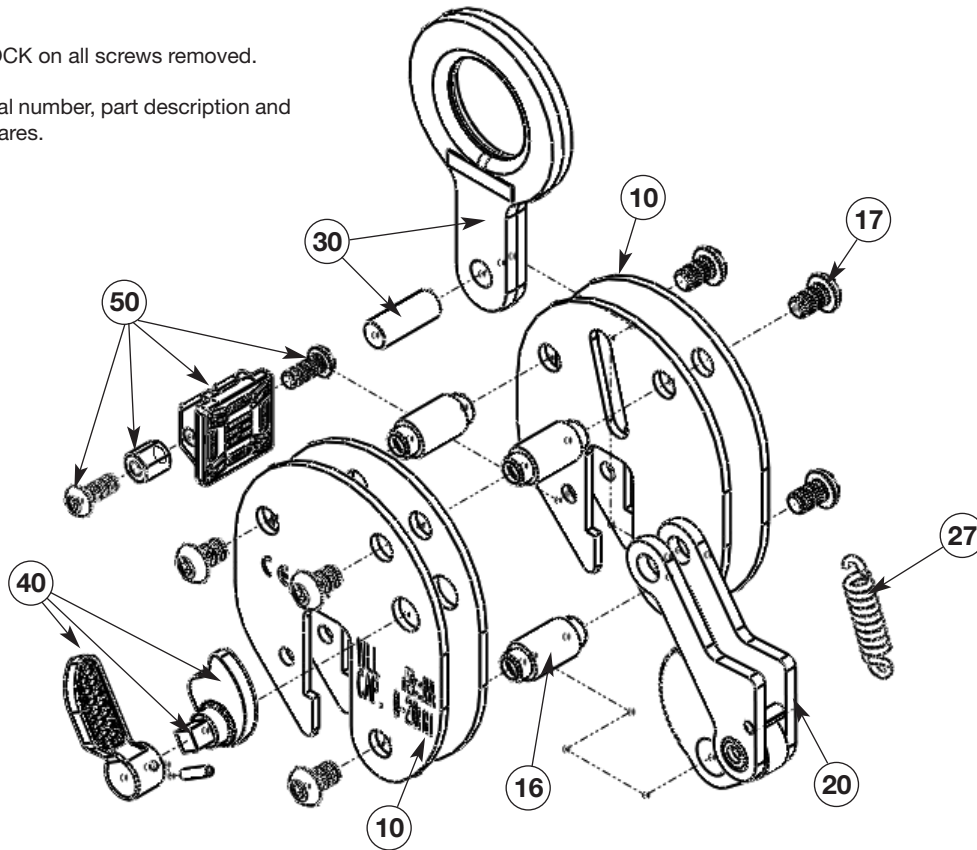
NB: Any prices shown are per individual part.

92 SERIES VERTICAL PLATE LIFTING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



Item	Description	92-500	92-1500	92-2000	92-3000
10	Shell plates (set of 4)	N59110281 £25.79	N4300001258 £26.45	N4300001265 £64.50	N4300001272 £69.66
16	Shell pins (set of 3*)	N59110289 £14.20	N4300001263 £21.29	N4300001274 £25.16	N4300001274 £25.16
17	Shell screws (6 off)	N59000562 £14.20	N4300001264 £14.20	N4300001275 £15.47	N4300001275 £15.47
20	Internal assy. c/w spring	N59110285 £33.53	N59210356 £38.69	N59210376 £56.75	N59210376 £56.75
27	Spring only	N59110290 £8.39	N59210362 £8.39	N59210382 £9.03	N59210382 £9.03
30	Hook ring & pin	N59110283 £27.75	N59110202 £34.19	N59110222 £61.20	N59000366 £61.28
40	Cam assembly	-	N59000737 £29.67	N59000285 £41.27	N4300001268 £41.27
50	Pad assembly	N59110286 £21.92	N59210357 £23.22	N4300001022 £29.67	N59210377 £32.24
60**	Jaw bolt assembly	N59110287 £8.06	-	-	-

*Set of 2 on 92-500 **Not shown in exploded diagram

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

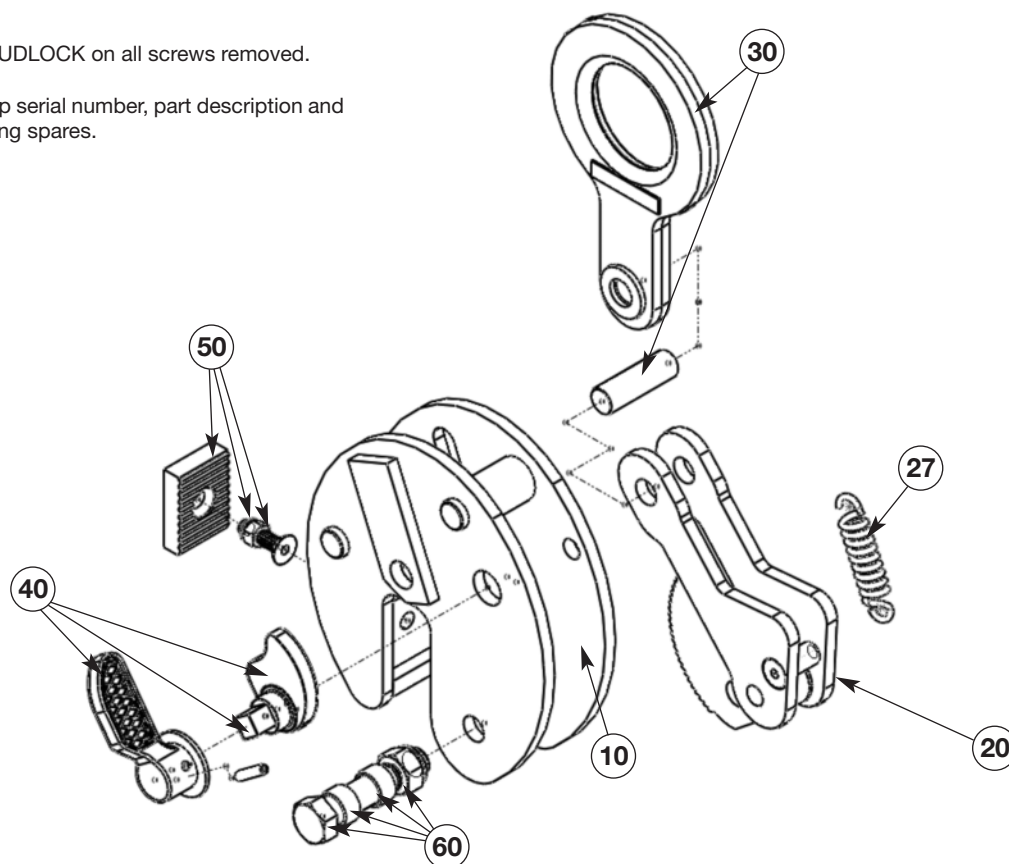
NB: Any prices shown are per individual part.

CZ VERTICAL PLATE LIFTING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



Item	Description	CZ1	CZ2	CZ3	CZ4	CZ6
10	Shell welded assembly	N4300001291 £104.47	N4300001298 £116.08	N4300001303 £154.78	N4300001425 £157.35	N4300008403 £219.04
20	Internal assy. c/w spring	N59000349 £74.81	N59110320 £117.38	N59110320 £117.38	N59110320 £117.38	N59210311 £135.12
27	Spring only	N59000345 £9.03	N59110107 £10.31	N59110107 £10.31	N59110107 £10.31	N59210318 £12.90
30	Hook ring and pin	N4300001295 £32.26	N4300001301 £56.74	N59110313 £56.74	N59110313 £93.29	N59110142 £101.90
40	Cam assembly	N4300002063 £29.67	N59000285 £41.27	N59000285 £41.27	N59000285 £41.27	N59110143 £58.17
50	Pad assembly	N59000346 £32.24	N59110315 £41.27	N59110315 £41.27	N59110315 £41.27	N59110144 £45.14
60	Jaw bolt assembly	N59000347 £14.20	N59110136 £15.47	N59110136 £15.47	N59110136 £15.47	N4300001464 £21.92

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

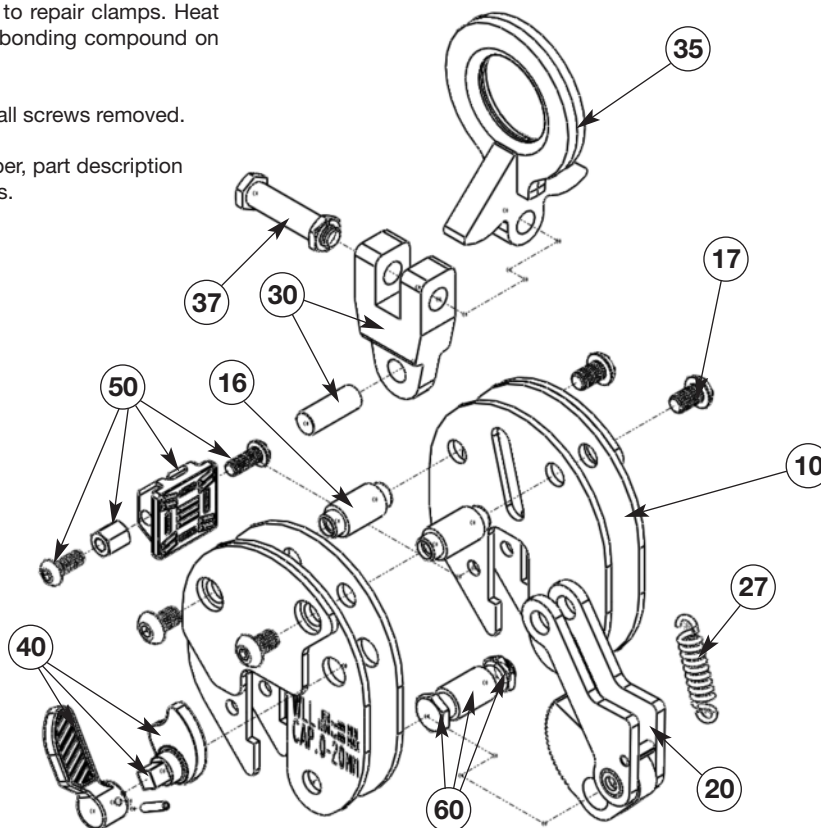
NB: Any prices shown are per individual part.

CY 'HINGED' VERTICAL PLATE LIFTING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



Item	Description	CY1	CY2	CY3
10	Shell plates (set of 4)	N4300001276 £95.44	N4300001283 £154.78	N4300001285 £154.78
16	Shell pins (2) each	N4300004902 £21.29	N4300001288 £25.16	N4300001288 £25.16
17	Shell screws (set of 4)	N4300008258 £9.03	N4300008317 £10.31	N4300008317 £10.31
20	Internal assy. c/w spring	N59210356 £38.69	N59210376 £58.04	N59210376 £58.04
27	Spring only	N59210362 £8.39	N59210382 £9.03	N59210382 £9.03
30	Hook ring fork & pin	N59210354 £59.98	N59210374 £70.31	N59210374 £70.31
35	Swivel hook ring	N59210353 £32.24	N59210373 £42.56	N59210373 £42.56
37	Eye bolt and nut	N59210361 £15.47	N59210381 £17.01	N59210381 £17.01
40	Cam assembly	N59000737 £34.83	N59000285 £43.85	N4300001268 £43.85
50	Pad assembly	N59110286 £23.22	N59210377 £32.24	N59210377 £32.24
60	Jaw bolt assembly	N4300001279 £18.06	N4300001286 £15.47	N4300001286 £15.47

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

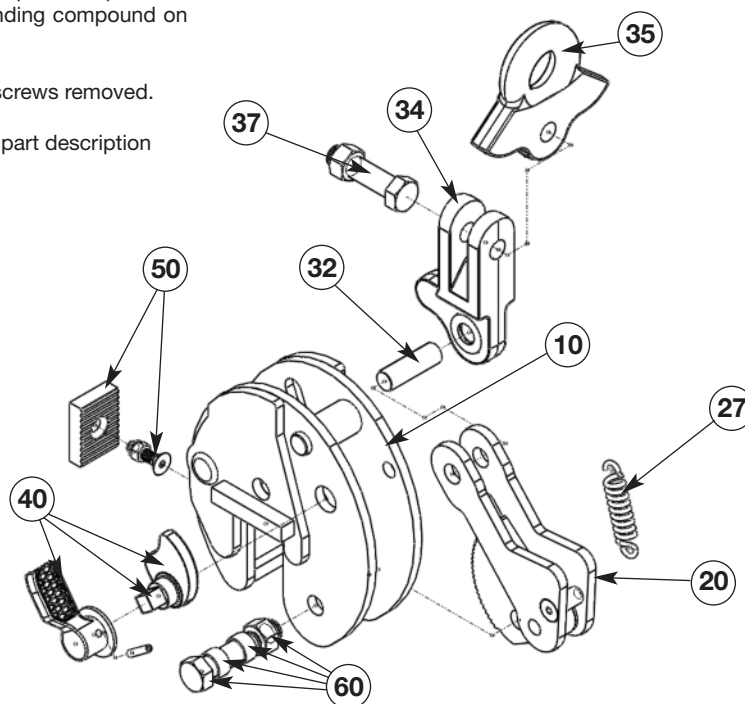
NB: Any prices shown are per individual part.

CX 'HINGED' VERTICAL PLATE LIFTING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



Item	Description	CX1500	CX3000	CX6000
10	Shell welded assembly	N4300001688 £77.21	N4300001707 £122.53	N4300001790 £567.49
20	Internal assy. c/w spring	N59000349 £74.81	N59110320 £117.37	N4300001439 £134.12
27	Spring only	N59000345 £9.03	N59110107 £10.31	N59210318 £119.90
32	Fork pin	N4300008320 £11.09	N4300004399 £11.61	N4300008459 £32.24
34	Fork	N4300001704 £46.43	N4300001692 £55.46	N4300008457 £59.34
35	Eye cam	N4300001693 £29.67	N4300001758 £38.69	N4300001850 £70.94
37	Pivot bolt and nut	N4300004819 £10.31	N4300001841 £12.90	N4300008460 £21.92
40	Cam assembly	N4300002063 £32.24	N4300001049 £42.56	N59210315 £58.04
50	Pad assembly	N59000346 £32.24	N59110315 £45.14	N59210334 £45.14
60	Jaw bolt assembly	N59000347 £14.20	N59110136 £15.47	N4300008458 £20.64
71**	Master link	N4300008508 £28.38	N4300008515 £38.69	N4300008581 £86.41
72**	Connecting link	N4300008509 £18.06	N4300008516 £45.04	N4300008582 £86.41

****Not shown in exploded diagram**

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

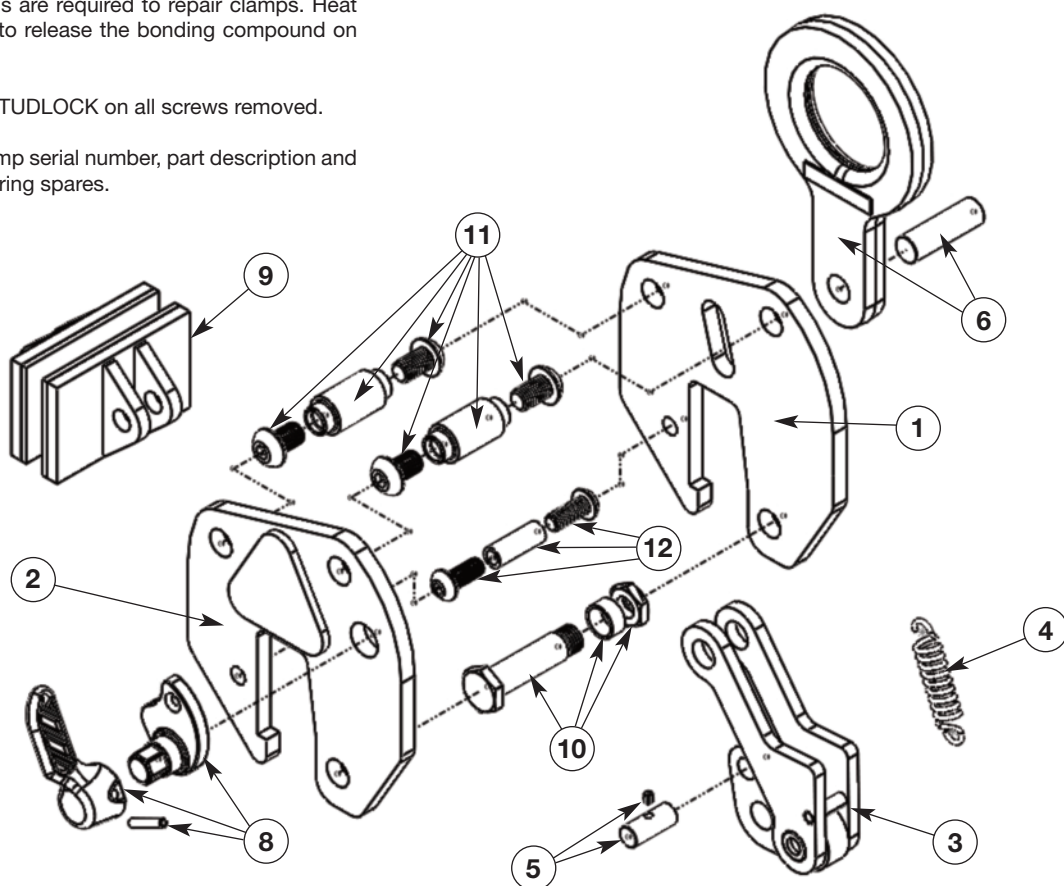
NB: Any prices shown are per individual part.

LJ 'NON-MARKING' LIFTING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



Item	Description	LJ500	LJ1500
1 & 2	Shell plates (set of 2)	N4300008467 £108.87	N4300002457 £113.46
3 & 4	Internal assembly	N59000269 £75.47	N59000281 £213.79
4	Spring	N59210362 £8.39	N59210382 £8.39
5	Jaw pin assembly	N59000272 £4.37	N59000284 £6.05
6	Hook ring & pin	N4300008464 £30.23	N59110278 £54.18
8	Cam assembly	N59000737 £32.52	N59000285 £41.64
9	Pad assembly (Leather)	N4300008466 £166.48	N4300002454 £269.18
9	Pad assembly (Rubber)	N59000271 £88.57	N59000283 £213.79
10	Jaw bolt assembly	N59000268 £24.02	N59000280 £34.19
11	Shell pins (set of 2)	N59000267 £6.96	N59000279 £9.01
12	Pad spacer c/w screws	N59000270 £15.30	N59000282 £22.28

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

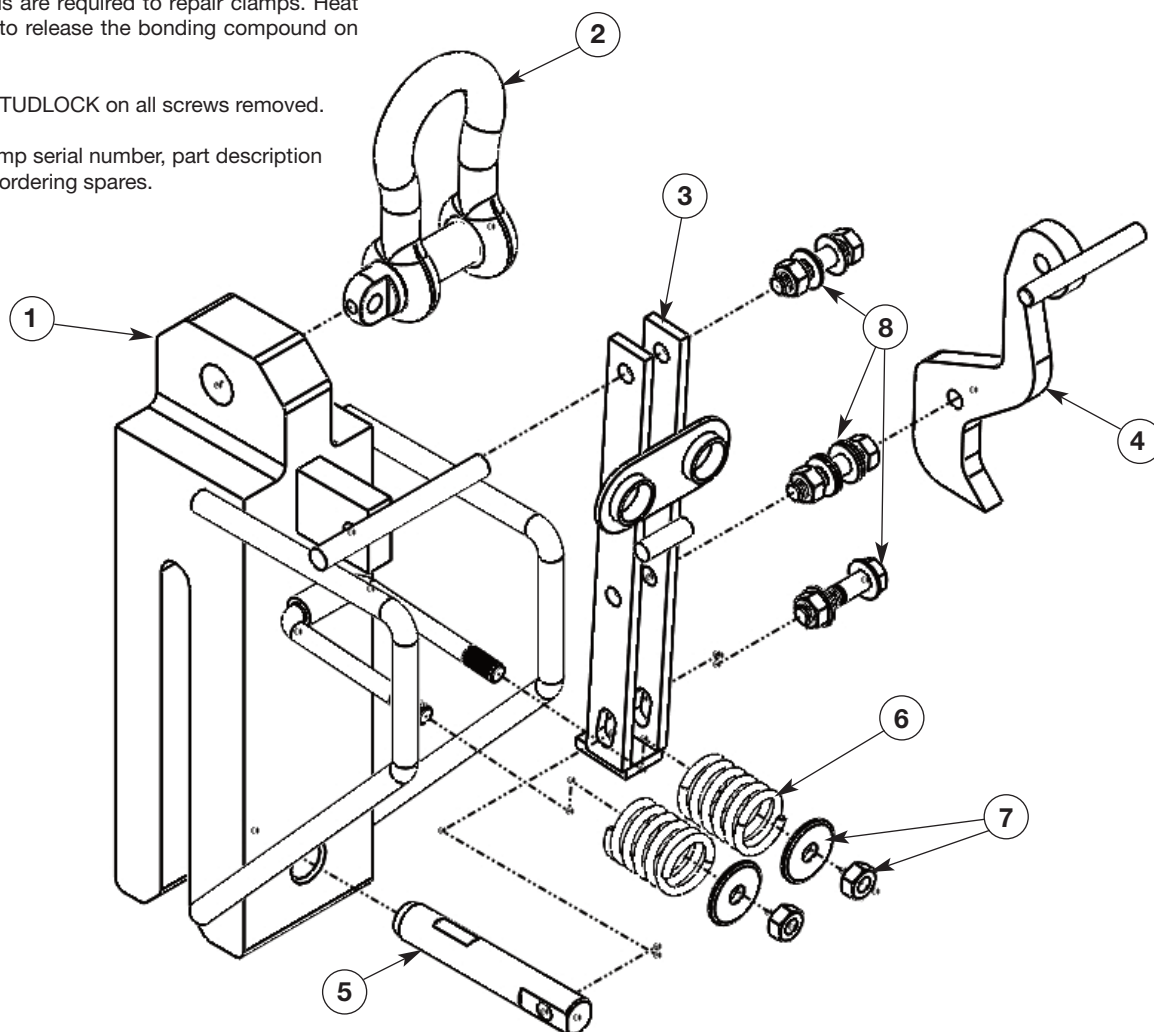
NB: Any prices shown are per individual part.

CP PILE PITCHING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



Item	Description	CP2	CP3	CP5
1	Body c/w cage	N4300008993 £322.56	N4300009025 £410.33	tbc POA
2	Shackle	N4300008973 £25.01	N4300008974 £33.17	N4300008976 £68.28
3	Lever arm assembly	N4300001599 £64.63	N4300008977 £65.55	N4300008978 £68.33
4	Cam assembly	N4300007850 £55.95	N4300007851 £62.09	N4300007852 £68.24
5	Load pin	N4300003341 £62.86	N4300007766 £70.29	N4300001026 £77.97
6	Compression spring	N4300007765 £33.18	N4300007765 £33.18	N4300007765 £33.18
7	Spring top washer (and nuts)	N4300008219 £14.12	N4300008219 £14.12	N4300008219 £14.12
8	Lever arm bolts (set of 3)	N4300014627 £10.50	N4300014627 £10.50	N4300014627 £10.50
9	Safety cage	N4300014715 £68.47	tbc POA	N4300008972 £93.24

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

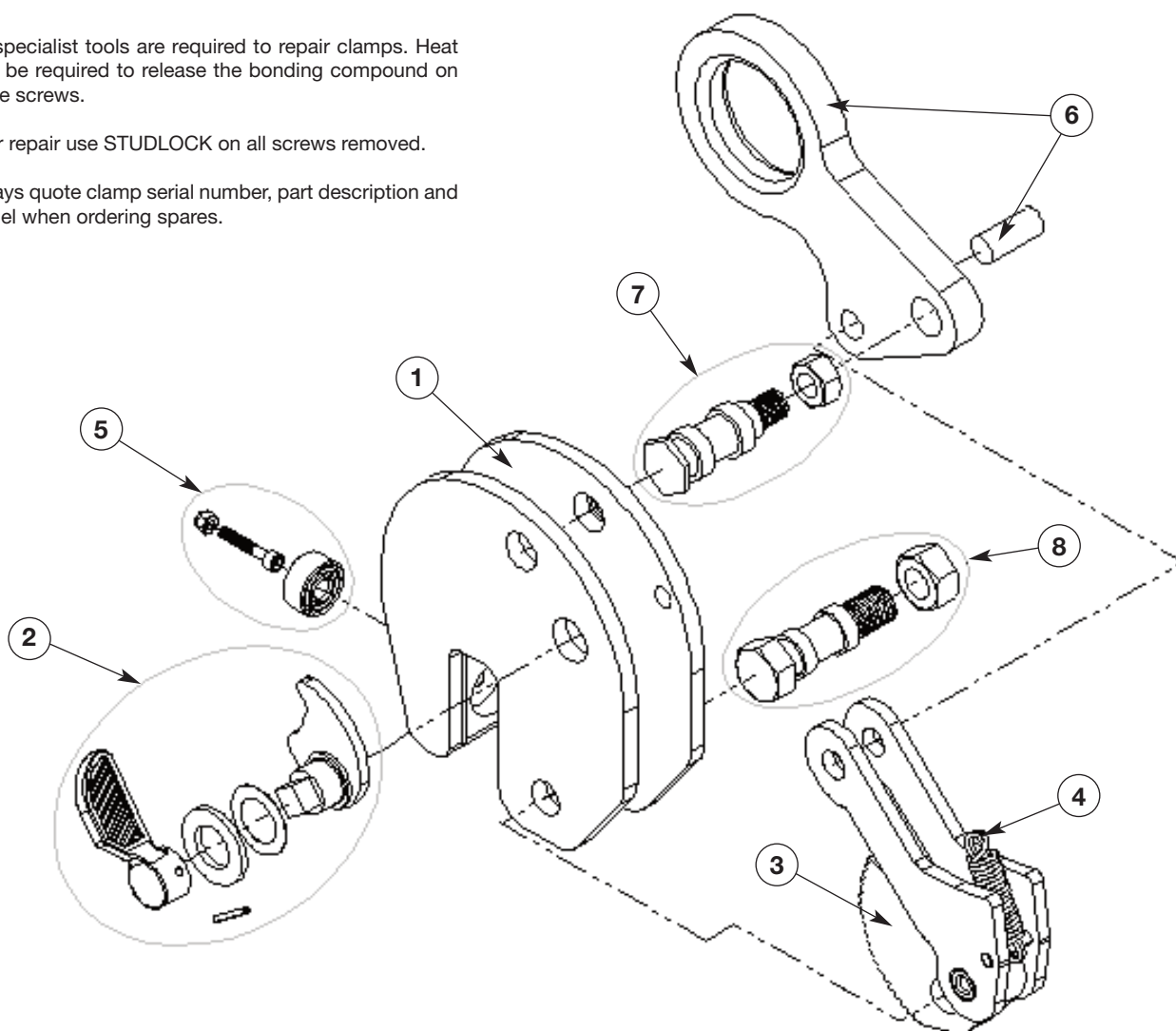
NB: Any prices shown are per individual part.

TTR 'GIRDER' STACKING CLAMPS

No specialist tools are required to repair clamps. Heat may be required to release the bonding compound on some screws.

After repair use STUDLOCK on all screws removed.

Always quote clamp serial number, part description and model when ordering spares.



NOTE: The below spares are for clamps manufactured after 2003. For clamps made before 2003 please contact the CMCO sales team.

Item	Description	TTR0.75	TTR1.5	TTR3
1	Shell assembly	N4600004656 £100.94	N4300004628 £144.57	N4300004629 £167.73
2	Cam assembly	N59000737 £29.67	N59110314 £39.99	N59110314 £39.99
3	Internal assembly	N59210356 £38.69	N59000729 £107.05	N59000730 £119.55
4	Spring	N59210362 £8.39	N59110317 £9.82	N59110317 £9.82
5	Pad assembly	N59712562 £9.67	N59000738 £28.38	N59712578 £45.14
6	Hooring assembly	N59000731 £19.36	N59000732 £41.79	N59000733 £55.46
7	Hooking pivot assembly	N59000734 £16.14	N59000735 £18.70	N59000736 £20.63
8	Jaw bolt assembly	N59000740 £24.89	N59110136 £15.47	N59210319 £76.76

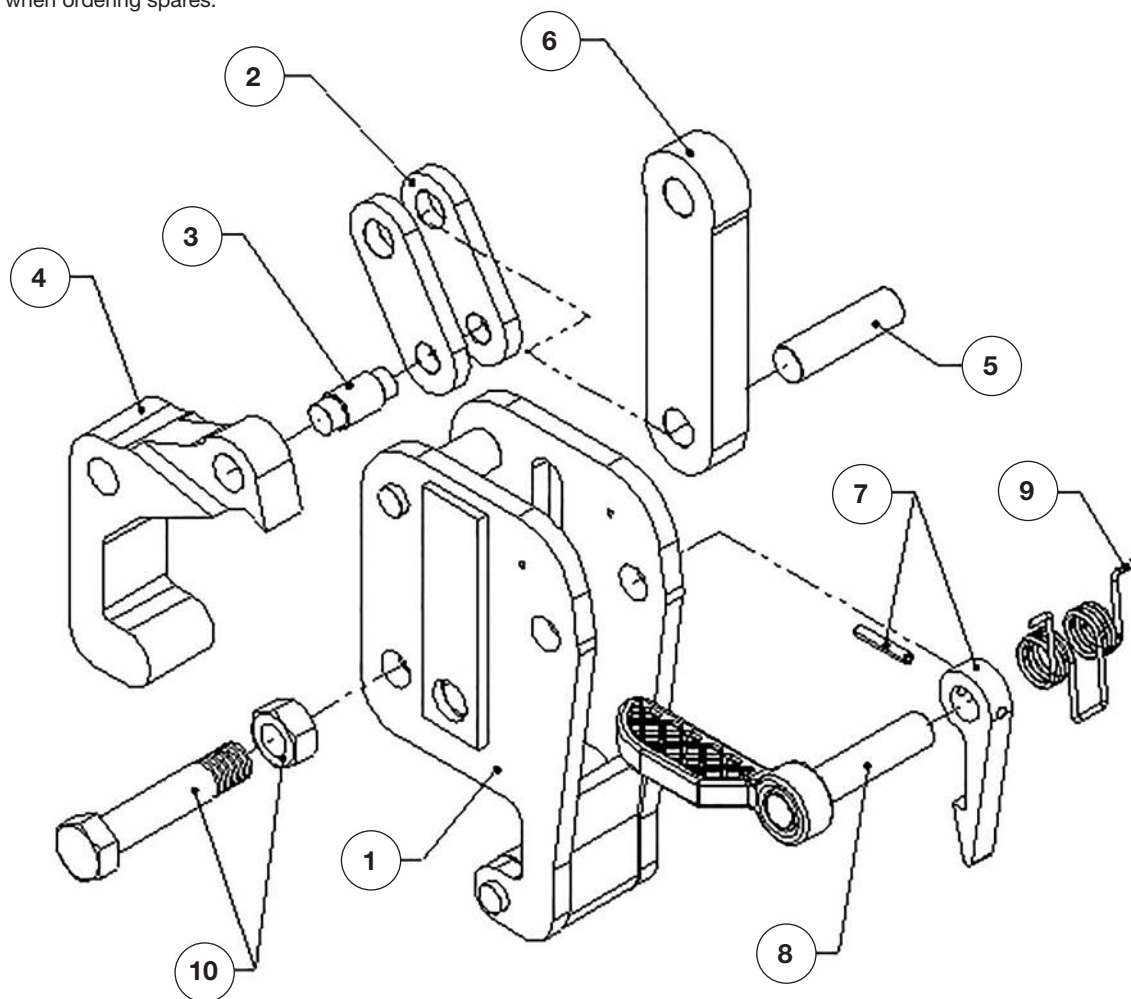
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

CR RAIL CLAMPS

No specialist tools are required to repair clamps.
Heat may be required to release the bonding compound on some screws.
After repair use STUDLOCK on all screws removed.
Always quote clamp serial number, part description
and model when ordering spares.



Item	Description	CR1000	CR2000
1	Shell assembly	N4300001738 £276.70	N4300008614 £291.49
2	Internal links (pair)	N59000594 £30.96	N59000594 £30.96
3	Internal Pin	N59000595 £16.77	N59000595 £16.77
4	Jaw	N59000589 £106.14	N4300008615 £94.14
5	Hook ring pin	N59000593 £14.20	N59000593 £14.20
6	Chain link	N59000588 £99.31	N59000588 £99.31
7	Locking pawl & pin	N4300008609 £38.69	N4300008609 £38.69
8	Handle assembly	N4300008610 £16.77	N4300008610 £16.77
9	Torsion spring	N59000592 £37.41	N59000592 £37.41
10	Jaw bolt c/w nut	N59000591 £19.35	N59000591 £19.35

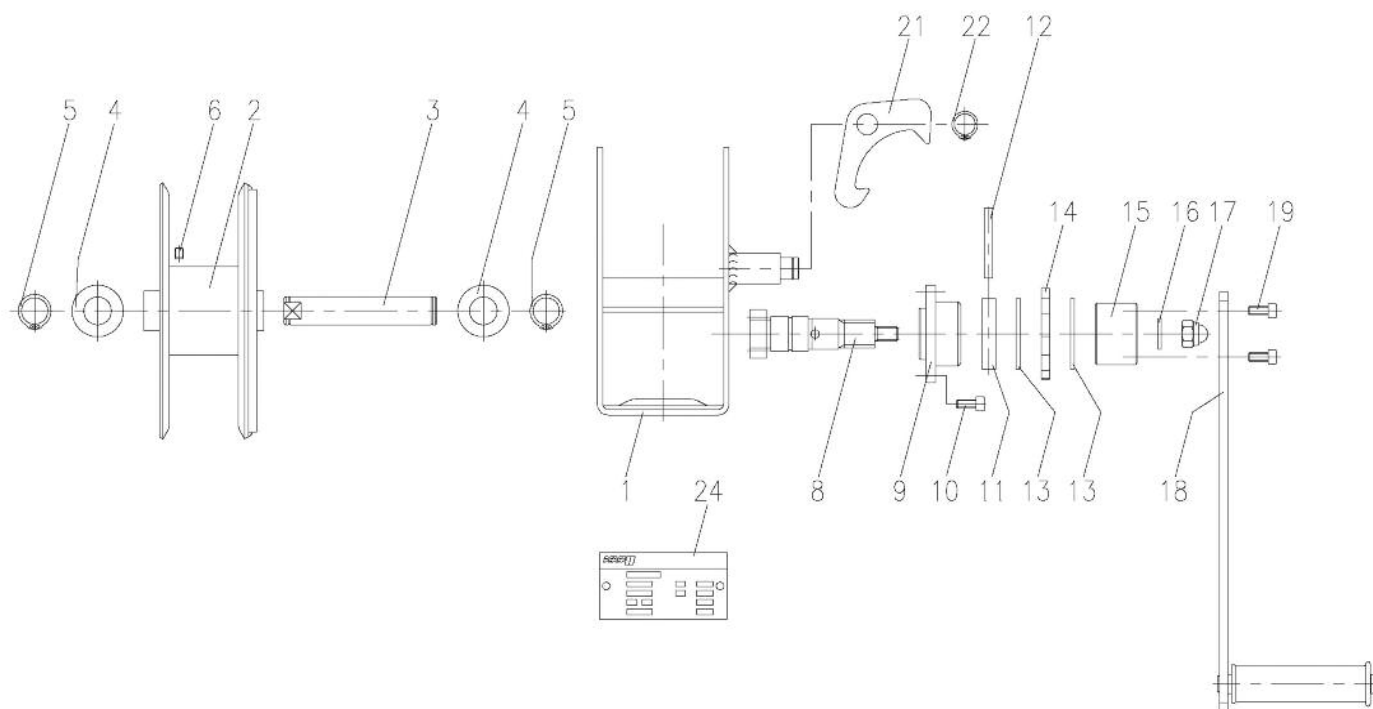
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

LB WIRE ROPE WINCH

PFAFF LB 650 WIRE ROPE WINCH



Item	Quantity	Description	Article number	Price (£)
1	1	Winch housing complete	40014718	£60.65
2	1	Wire rope drum complete	40014719	£106.05
3	1	Drum axle	039413057	£17.75
4	2	Washer	031010689	£3.73
5	2	Circlip	031040235	£3.73
6	2	Hexagon socket set screw	031012747	£3.73
8	1	Driving pinion	039005528	£83.43
9	1	Sliding bearing	039159055	£52.78
10	4	Hexagon socket head cap screws	031014488	£3.73
11	1	Bound disc	039070239	£21.92
12	1	Spiral pin	031051073	£3.73
13	2	Friction disc	031410994 ✓	£8.75
14	1	Ratchet wheel	030090889	£6.30
15	1	Crank hub	039244173	£52.42
16	1	Medium washer	031104479	£3.73
17	1	Prevailing torque type hex. domed cap nut	031015001	£3.73
18	1	Crank complete	40020621	£51.53
19	2	Hexagon socket head cap	031014488	£3.73
21	1	safety-catch pawl	030070289	£15.96
22	1	retaining ring for shaft	031040812	£3.73
24	1	Name plate	-	POA

✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

PALLET TRUCK SPARES

PFAFF HAND PALLET TRUCK - ARTICLE: N21225461

HANDLE ASSEMBLY

Item	Article no.	Description	Qty.	Price £
1	40006609	Handle ass. (complete)	1	£92.93
100	34527100502	Tie rod ass. (complete): 101-104, 121 and 122	1	£23.86
105	34527100105	Tie bar bolt	2	£16.22
106	34527100106	Pin	2	£3.75
107	34527100107	Bush for handle	2	£3.75
108	34527100108	Roller bolt	1	£7.02
109	34527100109	Steel roller	1	£7.02
109A	34527100090	Bush for steel roller	1	£3.75
111	34527100111	Rubber stopper	1	£3.75
112	34527100112	Roll pin	1	£3.75
113	34527100113	Leaf spring	1	£3.75
114	34527100114	Return spring	1	£3.75
115	34527100115	Roll pin	1	£3.75
116	34527100116	Roll pin	1	£3.75
117	34527100117	Control lever	1	£10.83
118	34527100118	Steel roller	1	£3.75
119	34527100119	Roll pin	1	£3.75

MAIN CHASSIS

Item	Article no.	Description	Qty.	Price £
H201	40006611	Fork chassis fork 1150mm	1	£282.15
203	34527100203	Main chassis bracket	1	£82.53
204	34527100204	Bush main chassis bracket	2	£3.75
205	34527100205	Shaft	2	£3.75
206	34527100206	Bush for shaft	2	£3.75
207	34527100207	Bush	2	£3.75
208	34527100208	Circlip	2	£3.75
H209	40006612	Clevis for for tine adj. rod	2	£13.20
210	34527100210	Pin	2	£3.75
H211	40006613	Lock nut for tine adj. rod	2	£5.33
H212	40006614	Tine adjustment rod	2	£53.49
213	34527100213	Circlip	2	£3.75
214	34527100214	Drive lever bolt	1	£24.25
215	34527100215	Bushing	4	£3.75
216	34527100216	Bolt	2	£3.75
217	34527100217	Bearing	4	£3.75
218	34527100218	Auxiliary sheave	2	£12.62
219	34527100219	Pin	2	£3.75
220	34527140220	Bolt	4	£3.75
221	34527100221	Axle shaft	2	£71.82
222	34527100222	Wheel fork	2	£49.11
223	34527100424	Axle shaft	4**	£7.62
224	34527100428	Tandem frame side plate	4	£10.23
225	34527100225	Washer	8**/4*	£3.75
227	34527100227	Nylon roller with bearing	4**	£36.45
227	34527100027	Tandem poly. roller (std)	4**	£36.45
230	34527100230	Pin	8**/2*	£3.75
231	34527100231	Axle bolt - pallet entry roller	2	£3.75
232	34527100232	Pallet entry roller	2	£12.62
233	34527100233	Nyloc nut	2	£3.75
234	34527100234	Single polyurethane roller	2*	£50.72
234	34527100034	Nylon roller with bearing	2*	£50.72
235	34527100235	Axle shaft	2*	£6.41

MAIN CHASSIS (continued)

Item	Article no.	Description	Qty.	Price £
236	34527100243	Washer	2	£3.75
237	34527100242	Grease nipple	1	£3.75
238	34527100240	Grease nipple	1	£3.75
239	34527100241	Bush	4	£3.75
H240/2	34527100400	Piston bearing set	1	£44.88

PUMP ASSEMBLY

Item	Article no.	Description	Qty.	Price £
-	40006619	Hydraulic pump (complete)	1	£268.05
301	34527100301	Spring guide	1	£15.22
302	34527100302	Return spring	1	£12.21
303	34527100303	Piston	1	£18.63
304	34527100304	Stripper	1	£3.75
305	34527100305	Piston seal	1	£5.82
306	34527100306	Wheel hub cover	2	£3.75
307	34527100307	Circlip	2	£3.75
308	34527100308	Washer	2	£3.75
310	34527140010	Rubber steering wheel	2	£50.49
310	34527100410	Nylon steering wheel	2	£45.35
310	34527100310	Poly. steering wheel (std)	2	£55.30
311	34527100311	Dowel pin	1	£3.75
312	34527100312	Dowel pin	2	£3.75
H313	40006618	Pressure plate	1	£56.41
314	34527100314	Circlip	1	£3.75
315	34527100315	Thrust bearing	1	£30.22
316	34527100316	Steering wheel axle	1	£19.47
316	34527140316	Steering wheel axle (rubber)	1	£30.22
317	34527100317	Nut	1	£3.75
318	34527100318	Adjustment screw	1	£3.75
319	34527100319	Lever	1	£7.94
320	34527100320	Dowel pin	1	£3.75
321	34527100321	Drain valve	1	£43.30
H322	40006620	Pump housing - casting only	1	£225.74
324	34527100324	Filler screw	1	£3.75
325	see item 500	Sleeve	1	-
326	see item 500	O-ring	1	-
327	see item 500	Stripper	1	-
H328	40006621	Piston	1	£42.84
H329	see item 400	Washer	1	-
300	40006623	Pressure relief valve	1	£33.27
335	34527100335	Grease nipple	1	£3.75
336	34527100337	Cylinder	1	£3.75
337	34527100336	Bearing cover	1	£7.79
H338	see item 400	Circlip	1	-
H339	see item 400	Bearing	1	-
H340	40006630	Cylinder tube guide	1	£27.93
H341	see item 500	O-ring	1	-
H342	40006632	Bar stop	1	£7.79
H343	40006633	Screws	2	£3.75
400	34527100400	Piston bearing sets: H329, H240-242, and H338-339	1	£34.89
500	40006625	Seal kit: 325-327 and H341	1	£35.06

*Single roller **Tandem roller

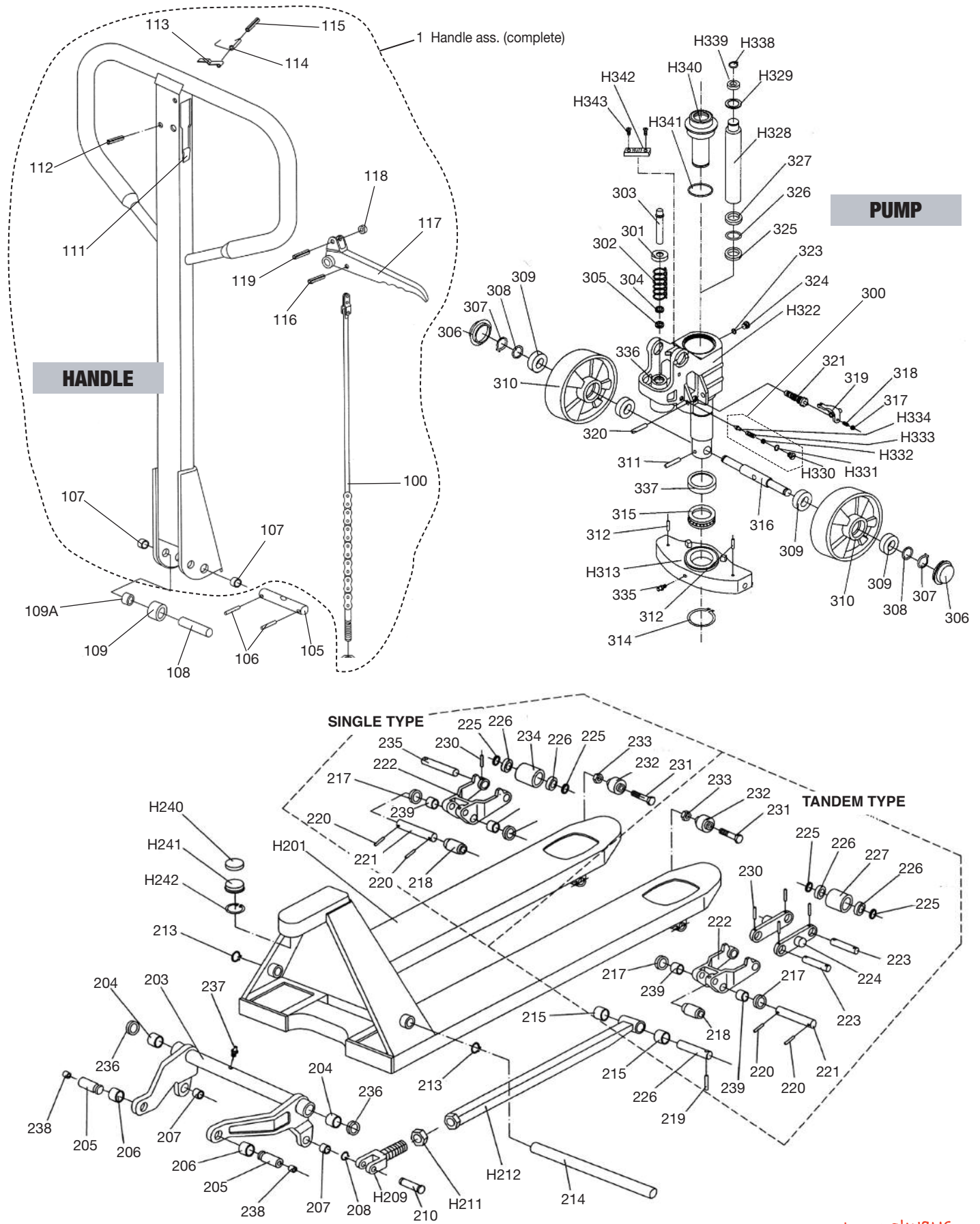
✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

PALLET TRUCK SPARES

PFAFF SILVERLINE HAND PALLET TRUCK



✓ = Recommended spares if applicable.

NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

***** Due to model changes, please always advise the serial number and year of manufacture before placing an order. If in any doubt, please check with the sales team.

CHAIN AND ACCESSORIES

Yale link chains, zinc plated

Model	Capacity kg / no. of falls	Chain size d x p mm	*Chain weight per m/kg	Article no.	Chain stop size	Price per mtr £
ERGO / UT	750/1	5.6 x 17.1	0.68	N02109357	1	£14.20
	1500/1	7.1 x 21	1.1	192034634	1	£17.47
	3000/1	10 x 28	2.2	192046315	2	£29.48
	6000/2	10 x 28	2.2	192046315	2	£29.48
	9000/3	10 x 28	2.2	192046315	2	£29.48
D85	750/1	6 x 18.5	0.82	N01607633	1	£14.20
	1500/1	9 x 27	1.8	N01607645	2	£19.66
	3000/1	11 x 31	2.89	N01607652	2	£27.30
	6000/2	11 x 31	2.89	N01607652	2	£27.30
	10000/3	11 x 31	2.89	N01607652	2	£27.30
AL	750/1	6.3 x 19.1	0.86	N02107637	1	£16.38
	1000/1	6.3 x 19.1	0.86	N02107637	1	£16.38
PT	1500/1	7.1 x 21.2	1.1	N02107639	1	£17.47
	3000/1	10 x 30.2	2.3	N02107649	2	£22.93
	800/1	5.6 x 17.1	0.68	N02109357	1	£14.20
	1600/1	7.1 x 21.2	1.1	N02107639	1	£17.47
	3200/1	9 x 27.2	1.9	N02109358	2	£22.93
UNOplus	6300/2	9 x 27.2	1.9	N02109358	2	£22.93
	750/1	6 x 18	0.8	N04307635	1	£14.20
	1500/1	8 x 24	1.4	N04307642	1	£17.47
	3000/1	10 x 30	2.2	N04307647	2	£24.02
	6000/2	10 x 30	2.2	N04307647	2	£24.02
UNOplus - SERIES A	750/1	5.6 x 17.1	0.68	N02109357	1	£14.20
	1500/1	7.1 x 21	1.1	192034634	1	£17.47
	3000/1	10 x 28	2.2	192046315	2	£29.48
	6000/2	10 x 28	2.2	192046315	2	£29.48
	250/1	4 x 12	0.35	N02100004	n/a	£12.01
Yalehandy	500/1	4 x 12	0.35	N02100009	n/a	£12.01
	250/1	3 x 9	0.3	192084202	n/a	£19.20
YaleMini360	500/1	4 x 12	0.35	N02100004	n/a	£12.01
	500/1	5 x 15	0.55	N04300008	n/a	£14.20
Yalelift 360	1000/1	6 x 18	0.8	N04307635	1	£14.20
	2000/1	8 x 24	1.4	N04307642	1	£17.47
	3000/1	10 x 30	2.2	N04300013	2	£30.57
	5000/2	10 x 30	2.2	N04307647	n/a	£30.57
	10000/3	10 x 30	2.2	N04300013	n/a	£30.57
	20000/6	10 x 30	2.2	N04300013	n/a	£30.57
	250/1	4 x 12	0.35	N02100004	n/a	£12.01
VSIII	500/1	5 x 15	0.55	N04300008	n/a	£14.20
	1000/1	6 x 18	0.8	N04307635	1	£14.20
	2000/2	6 x 18	0.8	N04307635	1	£14.20
	2000/1	8 x 24	1.4	N04307642	1	£17.47
	3000/2	8 x 24	1.4	N04307642	1	£17.47
	3000/1	10 x 30	2.2	N04307647	2	£24.02
	5000/2	10 x 30	2.2	N04307647	2	£24.02
	10000/4	10 x 30	2.2	N04307647	n/a	£24.02
	20000/8	10 x 30	2.2	N04307647	n/a	£24.02
	30000/12	10 x 30	2.2	N04307647	n/a	£24.02
CPS CPV	50000/18	10 x 30	2.2	N04307647	n/a	£24.02
	125/1 & 250/2	4 x 12.2	0.55	N07600001	n/a	£14.20
	250/1	4 x 12.2	0.55	N07600001	n/a	£14.20
	500/2	4 x 12.2	0.55	N07600001	n/a	£14.20
	500/1	5 x 15.1	0.55	N06900001	n/a	£21.84
	1000/2	5 x 15.1	0.55	N06900001	n/a	£21.84
	1000/1	7.1 x 20.5	1.09	N06900002	n/a	£30.57
	2000/2	7.1 x 20.5	1.09	N06900002	n/a	£30.57
	2500/1	11 x 31	2.89	N06109488	n/a	£49.13
	5000/2	11 x 31	2.89	N06109488	n/a	£49.13
CPE/CPA	1600/1	11 x 31	2.89	N06109488	n/a	£49.13
	2000/1	11 x 31	2.89	N06109488	n/a	£49.13
	2500/1	11 x 31	2.89	N06109488	n/a	£49.13
	3000/1	11 x 31	2.89	N06109488	n/a	£49.13
	3200/2	11 x 31	2.89	N06109488	n/a	£49.13
	4000/2	11 x 31	2.89	N06109488	n/a	£49.13
	5000/2	11 x 31	2.89	N06109488	n/a	£49.13
	7500/3	11 x 31	2.89	N06109488	n/a	£49.13
	10000/4	11 x 31	2.89	N06109488	n/a	£49.13
	250/1	6.3 x 18.9	0.85	C85973	n/a	£19.66
LODESTAR	500/1 (F)	6.3 x 18.9	0.85	C85973	n/a	£19.66
	500/1 (J)	7.9 x 21.7	1.3	C85983	n/a	£26.20
	1000/1	7.9 x 21.7	1.3	C85983	n/a	£26.20
	2000/2	7.9 x 21.7	1.3	C85983	n/a	£26.20
	3000/3	7.9 x 21.7	1.3	C85983	n/a	£26.20

*Weights are per linear metre length of chain.

✓ = Recommended spares if applicable.

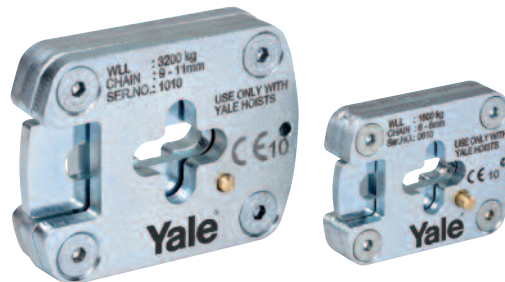
NB: CMCO have a minimum order value of £50 net (exc. Carriage & VAT).

NB: Any prices shown are per individual part.

YKST - Adjustable chain stops

Yale chain stops have been developed for Yale hoists with round-section steel chains as additional protection against run through.

The two available sizes cover two different ranges of chain sizes. The load capacity indicated on the chain stop is the maximum working load limit (rated load) that must not be exceeded by the respective hoist used.



Size	Suitable for chain mm/inch	Capacity WLL kg	Article no.	Price £
1	5.6 - 8mm	1600	00100115	£69.52
2	9 - 11mm	3400	00100110	£88.56
3	5/8" x 3/8"	750	00100146	£192.16
4	1" x 1/2"	1500	00100143	£135.39
5	1 1/4" x 5/8"	3000-10000	00100156	£248.94

KKL - Chain claw

Yale chain claws have been developed specifically for us with Yale Utility hoists.

The two available sizes cover two different ranges of chain sizes. The load capacity indicated on the chain stop is the maximum working load limit (rated load) that must not be exceeded by the respective hoist used.



Model	Suitable for chain mm	Capacity WLL kg	Article no.	Price £
KKL 2000	7 - 8mm	2000	192080829	£69.52
KKL 3150	10mm	3150	192080830	£88.56

CHAIN AND ACCESSORIES

Yale link chains, stainless steel

Model	Capacity kg / no. of falls	Capacity max. per hoist kg	Chain size d x p mm	*Chain weight per m/kg	Article no.	Chain stop	Price per mtr £
D85	1500/1	1500	9 x 27	1.8	N01607646	2	£67.97
AL	750/1	750	6.3 x 19.1	0.86	N02107638	1	£70.19
	1000/1	1000	6.3 x 19.1	0.86	N02107638	1	£70.19
	1500/1	1250	7.1 x 21.2	1.1	N02107640	1	£54.59
	3000/1	2000	10 x 30.2	2.3	N02107650	2	£158.21
PT	1600/1	1250	7.1 x 21.2	1.1	N02107640	1	£54.59
UNOplus	750/1	750	6 x 18	0.8	N04307636	1	£61.28
	1500/1	1250	8 x 24	1.4	N04307643	1	£75.76
	3000/1	2000	10 x 30	2.2	N04307648	2	£90.62
	6000/2	4000	10 x 30	2.2	N04307648	2	£90.62
Yale/lift 360	500/1	500	5 x 15	0.55	N07218304	n/a	£59.05
	1000/1	900	6 x 18	0.8	N04307636	1	£61.28
	2000/1	1250	8 x 24	1.4	N04307643	1	£75.76
	3000/1	2000	10 x 30	2.2	N04307648	2	£90.62
	5000/2	4000	10 x 30	2.2	N04307648	2	£90.62
VSIII	500/1	500	5 x 15	0.55	N07218304	n/a	£59.05
	1000/1	900	6 x 18	0.8	N04307636	1	£61.28
	1500/1	1250	8 x 24	1.4	N04307643	1	£75.76
	2000/2	1800	6 x 18	0.8	N04307636	1	£61.28
	2000/1	1250	8 x 24	1.4	N04307643	1	£75.76
	3000/2	2500	8 x 24	1.4	N04307643	1	£75.76
	3000/1	2000	10 x 30	2.2	N04307648	2	£90.62
	5000/2	4000	10 x 30	2.2	N04307648	2	£90.62
CPV / CPS	125/1	125	4 x 12.2	0.36	N07600002	n/a	£71.30
	250/1	250	4 x 12.2	0.36	N07600002	n/a	£71.30
	500/2	500	4 x 12.2	0.36	N07600002	n/a	£71.30
	500/1	500	5 x 15.1	0.55	N06900012	n/a	£75.76
	1000/2	1000	5 x 15.1	0.55	N06900012	n/a	£75.76
	1000/1	1000	7.1 x 20.5	1.09	N06900013	1	£104.82
	2000/2	2000	7.1 x 20.5	1.9	N06900013	1	£104.82
CPE	1600/1	1600	11 x 31	2.89	N06100001	2	£133.20
	2000/1	2000	11 x 31	2.89	N06100001	2	£133.20
	2500/1	2000	11 x 31	2.89	N06100001	2	£133.20
	3000/1	2000	11 x 31	2.89	N06100001	2	£133.20
	3200/2	3200	11 x 31	2.89	N06100001	2	£133.20
	4000/2	4000	11 x 31	2.89	N06100001	2	£133.20
	5000/2	4000	11 x 31	2.89	N06100001	2	£133.20
	7500/3	6000	11 x 31	2.89	N06100001	2	£133.20
	10000/4	8000	11 x 31	2.89	N06100001	2	£133.20
LODESTAR	250/1	250	6.3 x 18.9	0.85	C85952	1	£91.71
	500/1 (F)	500	6.3 x 18.9	0.85	C85952	1	£91.71

*Weights are per linear metre length of chain.

Yale hand chains

Model	Type	Chain size d x p mm	*Chain weight per m/kg	Article no.	Price per mtr £
HTG, VSIII, Yalelift 360	Zinc plated	5 x 26	0.5	N04307654	£5.46
VSIII 250kg only	Zinc plated	3 x 12	0.3	N04300019	£5.46
Connection link	Zinc plated	5 x 26	-	N00404733	£3.27
HTG, VSIII, Yalelift 360	Stainless steel	5 x 26	0.5	N04307655	£27.30
Connection link	Stainless steel	5 x 26	-	N00400668	£5.46

Yale roller chains

Model	Capacity kg / no. of falls	Chain size d x p mm	Article no.	Chain stop	Price per mtr £
C85	750/1	5/8" x 3/8"	N01244800	3	£25.11
	1500/1	1" x 1/2"	N01245700	4	£36.03
	3000/1	1 1/4" x 5/8"	N01245701	5	£64.41
	6000/2	1 1/4" x 5/8"	N01245701	5	£64.41
	10000/3	1 1/4" x 5/8"	N01245701	5	£64.41

CARRIAGE CHARGES

Delivery to a single destination within mainland UK (Excluding Scottish Highlands, see below)	1 - 20 kilos per consignment	20 - 100 kilos add per kilo	101 - 250 kilos on a single pallet
Standard delivery (normally next day before 17:30pm)	£15.50	50p	£85
Next working day BEFORE noon	£26.50	58p	P.O.A.
Next working day BEFORE 10:30am	£31.50	75p	P.O.A.
Saturday delivery Isle of Wight Aberdeen & Scottish Highlands (AB, IV, KW, PA & PH) Northern Ireland	Prices on request Prices on request Prices on request Prices on request		

Although every effort is made to deliver your goods within the specified time, we *cannot* guarantee or be held responsible for deliveries being late or lost. Whilst we endeavour to offer 'next day' delivery on all items, please check with the sales team at time of order and specify your required date on your purchase order. Any orders placed stating ASAP or URGENT will normally go through on a 3-5 day delivery. To progress orders or to gain a P.O.D., please contact our sales team on: 01244 375375.

Before signing delivery document. If upon delivery of consignment any item is damaged, not of correct quantity or does not comply with the description, please endorse the delivery document accordingly. Additionally, you must advise in writing both, the carrier and our offices within 3 working days. Regrettably, we can consider claims only if the above conditions are met.

• PLEASE NOTE THAT DUE TO THE LACK OF TRACEABILITY WE DO NOT SEND ANY ORDERS BY POST. WE ARE ALSO UNABLE TO SEND ITEMS VIA OUR CARRIER TO RESIDENTIAL ADDRESSES.

CONDITIONS OF SALE

Columbus McKinnon Corporation Limited (hereafter called "The Company") draws attention to the following terms and conditions, which shall apply to all orders accepted and supplies made to the exclusion of any other terms and conditions whatsoever.

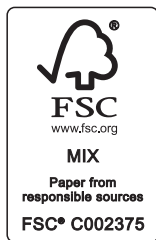
- DELIVERY.** Any delivery date given shall be subject to confirmation or revision by the Company at the time of acceptance of an order. The Company will then employ all reasonable means to make delivery within the time stated, but cannot accept any liability whatsoever for any loss or damage arising out of or in connection with late delivery or non-fulfilment of contract. The company shall be entitled to defer delivery until any monies due from buyer has been received. The company shall also be entitled to make partial deliveries by installments and each installment shall constitute a separate agreement. Should delivery be delayed by the buyer's instructions or lack of instructions or by any cause whatsoever beyond the Company's reasonable control including strikes, lock-out labour disputes, war, act of God, embargo, government regulations, fire, flood, accident, shortage or delay in obtaining materials or any other causes of similar character then a reasonable extension of time shall be granted.
- PRICE.** All prices quoted are exclusive of carriage, which will be charged separately unless otherwise stated and those ruling at the date of this quotation and subject to V.A.T. Any orders accepted by the Company shall be invoiced and paid for at the Company's prices ruling at the date of dispatch.
- ACCEPTANCE OF ORDERS.** Any quotation and acceptance thereof shall not constitute a contract to supply. The contract between the Company and the buyer shall only be formed when the buyer's order is formally accepted in writing by the Company.
- ADDITIONS / MODIFICATIONS.** No additions or modifications to these conditions of sale shall be deemed to have been accepted by the Company or form any part of any contract between the Company and the buyer unless the Company has first agreed in writing to such additions or modifications.
- IMPROVEMENTS AND CHANGES.** The Company reserves the right to make improvements or changes in the engineering specification of any goods without first referring to the buyer.
- CANCELLATION.** The buyer shall not be entitled to cancel any contract unless the Company has first agreed in writing to such cancellation. Any cancellation by the buyer will be subject to a cancellation charge, which will be determined by the Company and paid by the buyer as a precondition to the Company's acceptance of the buyer's cancellation.
- SHORTAGES.** The buyer shall be deemed to have accepted the quantity of goods delivered as being in accordance with the buyer's order unless within 7 days from receipt of the same the buyer has notified the Company in writing of any shortage.
- TITLE AND RISK.** Risk in the goods shall pass to the buyer at the time of despatch from the Company's works and the Company shall not be liable for any loss or damage whatsoever to the goods, which may occur after that time. Title in the goods shall remain with the Company until such time as full payment for the goods is made. Until such time, the Company shall be entitled to recover the goods or any part thereof. And for the purpose of exercising such rights the Company its employees and agents with appropriate transport may enter upon the buyer's premises and any other location where the goods are situated. Furthermore, if payment is not received and the buyer should be wound up or a receiver appointed over the whole or part of the buyers undertaking or an execution of distress levied against the buyer, the Company shall be entitled to enter and repossess the goods or trace the goods or the proceeds of sale in your hands or in the hands of any liquidator or receiver.
- TERMS OF PAYMENT.** Unless otherwise agreed by the Company in writing, all invoices must be paid without retention or set-off, on or before the last day of the calendar month following the month in which they were invoiced or as stated in the Company's quotation. Failure to pay the full amount due will entitle the company without notice and without prejudice to its other rights, to refuse to effect delivery or allow collection by any agent of the buyer, or any further consignment of goods without incurring any liability whatsoever to the purchaser. The Company reserves the right to charge the buyer interest on any amount overdue at the rate of 2% over the standard Bank of England base rate current at the time the account becomes due.
- NON-ASSIGNMENT.** The contract or any party thereof shall not be assigned by the buyer without the written consent of the company.
- LIQUIDATION.** If the buyer shall make default in or commit any breach of any of his obligations to the Company or if any distress or execution shall be levied upon the buyer's property or assets or if the buyer shall make or offer to make any arrangements or composition with creditors or commit any act of bankruptcy or if any petition or receiving order in bankruptcy shall be presented or made against him or if the buyer shall be a limited company and any resolution or petition to wind up such company's undertaking, property or assets, or any part thereof, shall be appointed, the Company shall have the right forthwith to determine any contract and to cancel any outstanding delivery or deliveries and to stop any goods in transit, but all without prejudice to any remedy which the Company may have in respect of the consequential non-complete or non-performance of the contract.
- WARRANTY.** All equipment complies with the high standards of quality established by the Company both in respect of materials and workmanship and as the sole and exclusive remedy in discharge of this warranty the Company undertakes to replace free of charge within 360 days from date of despatch from its works any components of its manufacture, which are proved to the satisfaction of the Company (whose decision shall be final and binding) to be defective in materials and workmanship provided notice in writing to the Company is given within 10 days of the defect occurring and provided the component which is the subject of the complaint, if the Company so requests returned pre-paid to the Company's works at Chester. In the case of defective components or parts not of the Company's manufacture the Company's liability shall be limited to such adjustment or allowance as the manufacturer there of shall make. The Company shall not accept responsibility for such work done or expense incurred by the buyer in connection with any repair or replacement unless the Company's prior written authorisation has been obtained. This warranty is in lieu of and excludes all other conditions and warranties whatsoever whether expressed or implied and whether under common law, statute law or otherwise and apart from aforesaid the Company hereby expressly excludes all liability for any loss or damage whatsoever arising and howsoever caused. The buyer warrants that it will pass on, to all third parties to whom it may supply the goods, all information as to the use and safe handling of the goods, as may have been passed onto the buyer by the Company.
- DESIGN AND MANUFACTURE.** Where goods are made to the buyer's specifications, instructions or design, the buyer undertakes full responsibility for the suitability and accuracy of the specifications, instructions or design and undertakes to indemnify the Company for any loss, damage or expense in respect of any liability arising under the provisions of the Customer Protection Act 1987 in relation to the specification or design of such goods. The Company confirms all specifications within a quotation that is valid for 30 days from the date of quotation.
- LEGAL CONSTRUCTION.** The contract shall in all respects be constructed and operate as a contract governed by English Law and unless otherwise agreed, is subject to the jurisdiction of the English Court. The legal construction of the clauses shall not be affected by their titles.

Whilst every endeavour has been made to supply equipment as described in this price list, all items are offered subject to availability and CMCO can accept no responsibility for mistakes in the text. It may sometimes be necessary to offer an alternative CMCO product to those selected. However, the performance and the integrity will be of the same high quality as you would expect from CMCO.

Due to our policy of continual development, we reserve the right to change dimensions, weights, specifications, discounts, and prices without prior warning. Please check with the CMCO sales team when ordering.

INDEX

- A**
ACH horizontal clamps 77
Adjustable end stops 204
Air hoists 38-39
AJH/S aluminium jacks 63
ALPHA winches 94
Aluminium jacks 63
Aluminium winches 96
Aluminium lever hoists 10
ASH weld on hooks 41
ATEX hoists & trolleys 18-19
ATEX lever hoist 11
- B**
BA bulb bar anchors 26
Balancers 42-43
Beam clamps 24
Beam trolleys 25-27
BETA EL winches 104-105
BETA SL winches 102-103
Big bulk bag lifter 89
Block and tackle 13-21
Block grabs 86
BMZ hydraulic puller kits 62
Board clamps 83
Bottle jacks 63
Brands 8
Bulb bar anchors 26
BVA hydraulic toe jacks 64
- C**
C-hooks 87
Cable blocks 52
Cable grips 41
Cable pullers 22-23
Camlok clamps 70-91
Camlok spare parts 193-200
Camlok safety 90-91
Carriage charges 206
Catenary systems 36
Caterpillar skates 68
CG turning clamps 78
Clamp repairs 6
CH horizontal clamps 76
Chain 204-205
Chain cutter 60
Chain hoists (air) 38-39
Chain hoists (manual) 13-21
Chain hoists (electric) 28-35
Claw jacks 63-65
CLB side lifting lugs 88
CLT top lifting lugs 88
CM Lodestar 34-35
Combination hoists 16-21
Conditions of sale 206
Construction height safety kit 49
Contact details 3
Container lifting lugs 88
Corrosion resistant hoists 15-17
CPA pneumatic hoists 38-39
CP pile pitching clamps 82
CPE electric hoists 32-33
CPS electric hoists 29
CPV/F electric hoists 30-31
CR single rail clamps 80
Crane forks 84
Crane maintenance kit 49
Crane weighers 44-45
CTP Integral beam clamps 26
CX hinged clamps 72
CY hinged clamps 72
CZ vertical plate clamps 71
- D**
DA/DAF drum grabs 85
DC500 drum clamp 85
DCV500 drum clamp 85
Digital load indicators 46-47
Distributor network 5
Drum clamps 85
DSRB S sheave blocks 100
DSR S sheaves 101
- E**
EC folding engine crane 99
EGU 15E pallet truck 112
EGU PS pallet trucks 113
EGV PSL II stackers 115
Electric hoists (units) 28-35
Electric hoists (spares) 164-187
Electric pallet trucks 112-113
- Electric travel trolleys 27
Electric winches 37 & 102-105
Endless winch 40
Engine cranes 123
ERGO360 lever hoist 10
Explosion proof hoists 18-19
- F**
Fall arrest blocks & lanyards 51-52
Festoon systems 36
FLTH tine hooks 89
Folding engine cranes 123
Forklift truck attachments 89
- G**
GAMMA aluminium hand winch 96
Gear travel trolleys 25
Girder clamps 24-26 + 78-79
Girder trolleys 25-27
- H**
Hand chain 205
Hand chain hoists 13-19
Hand grip clamps 83
Hand trucks & stackers 108-117
Hand winches 92-99
Handy ratchet lever hoists 12
Harnesses 50
Height safety products 48-53
HG vertical plate clamps 73
HGC hand grip clamps 83
Hinged vertical plate clamps 72
High grip plate clamps 73
High lift pallet trucks 117
Hoists, air 38-39
Hoists, electric (units) 28-35
Hoists, electric (spares) 164-187
Horizontal plate clamps 76-77
How to find us map 4
HP trolley lifts 115
HPS hydraulic hand pumps 56
HTG gear travel trolleys 25
HTJ (now BVA) hydraulic toe jacks 64
HTP push travel trolleys 25
HU ES High Lift pallet truck 117
HU HS High Lift pallet truck 117
HV hydraulic hand stackers 114
HW-C/CS manual winches 93
HX scissor lift tables 116
Hydraulic claw jacks 63-65
Hydraulic jacks and tools 54-62
Hydraulic hoses & accessories 57
Hydraulic repair set 61
- I**
Inertia reels 52
Integral hoists and trolleys 16-21
Integral trolley beam clamps 26
Inspection and repairs policy 6
- J**
JH bottle jacks 63
- L**
LAMBDA wire rope winches 95
Lanyards 51
LB wire rope winches 92
Lever hoists 10-12
LF/LFL skates 69
Lifting magnets 79
Lifting lugs 88
LJ non marking clamp 75
LMG cable grips 41
Load binders 41
Load cells 46-47
Load chain 204-205
Load indicators 46-47
Location maps 4
Lodestar (units) 34-35
Lodestar (spares) 181-185
Long fork pallet truck 109
Low headroom hoists 16-21
LX nylon wheeled skates 68
- M**
Machine lifting jacks 64
Magmetek controls 36
Magnets 79
- Manifolds 58
Manual chain hoists 13-21
Manual trolleys 25
Maps 4
Marketing support 7
MHS lifting jacks 64
MR multi rail grabs 81
MRC multi rail grabs 81
Mtrac endless winch 40
Multi rail clamps 81
MWS manual winches 97
MY manifolds 58
- N**
Non-marking clamps 75
Nylon wheeled skates 66-69
- O**
OMEGA winches 106
- P**
Pallet truck spares 202-203
Pallet trucks 108-111
Parking brake hpt 109
PB pulley blocks 41
Pedestrian stackers 115
Pendants 181
Permanent magnets 79
PH pipe hooks 82
Pile pitching clamps 82
Pile pulling clamps 82
Pinch bars 68
Pipe hooks 82
Pneumatic hoists 38-39
Power pumps 59-60
Powered hoists 28-35 & 38-39
Powered pallet trucks 112-113
PP pile pulling clamps 82
Printers pallet truck 110
PT lever hoists 12
Pulley blocks 41
Push travel trolleys 25-26
- Q**
Quality & Safety 5
- R**
Rack and pinion jacks 118-120
RAKU safety cranks 121
Radio remote controls 36
Rail clamps 80-81
Ratchet cranks 121
Ratchet lever hoists 10-12
Remote controls 36
Restraint lanyards 51
Retrieval blocks 52
Repairs 6
Restraint height safety kit 49
Returns policy 6
RH horizontal clamps 77
RLSP load binders 41
Roller chain 205
Roller pinch bars 68
Rope lanyards 51
Round stock grabs 86
RPB roller pinch bars 68
RPE electric winches 37
- S**
S20/24 hand gearboxes 99
Safety harnesses 49-50
Safety ratchet cranks 121
SC92 beam clamps 24
Scaffolders height safety kit 49
SCH-W sluice gate jacks 120
SCS caterpillar skates 68
Scissor lift trolleys 116
Scissor pallet trucks 117
Screw clamps 83
Sheave blocks 100
Shearlegs 89
Sheave pulley blocks 100
Short fork pallet truck 110
SIFEKU safety ratchet cranks 121
SIKU safety ratchet cranks 121
Single rail clamps 80
SJ steel jacks 65
Skates 66-69
SL shearlegs 89
Sluice gate jacks 120
- Spare parts 123-205
Spark resistant hoists 18-19
Spring balancers 42-43
Stainless steel winches 93
Stainless steel pallet truck 111
Steel jacks 65 & 122
Steerman skates (units) 66-67
Steerman skates (spares) 189-192
STW-F/V steel jacks 122
SX skates 66-67
- T**
TAG wide jaw vertical clamps 74
Tank skates 68
TBG block grabs 86
TCK single arm c-hooks 87
TCS turning hooks 87
Terms and conditions 206
THK horizontal plate clamps 77
Tigrip crane weighers 44-45
Thin sheet plate clamps 77
Tine hooks 89
TJC vertical plate clamps 73
TKG crane forks 84
TKL/R crane weighers 44-45
Toe jacks 64
Tool balancers 42-43
TPM lifting magnets 79
TPZ board clamps 83
Training 7
Tripods (height safety) 53
Trolley clamps 26
Trolley lifts 115
TRU round stock grabs 86
TSB non marking clamps 75
TSH/Z screw clamps 83
TST block grabs 86
TTB big bag lifter 89
TTG/R stacking clamps 78
Turning hooks 87
TWG wide jaw vertical clamps 74
Twin jaw plate clamps 73
TZL/R load indicators 46-47
TTT split toe clamps 79
TZH single tine hooks 89
- U**
Ultra low headroom hoists 20-21
Universal bottle jacks 63
UNOplus-A lever hoists 11
Utility lever hoists 10-11
- V**
Vertical plate clamps 70-75
VLRP/G & VNRP/G hoists 20-21
VSIII hand chain hoists 13
VSM/VHM valves 58
VTE electric trolleys 27
- W**
Warranty 6
Wall mounted jacks 118-119
Wall mounted winches 94
Webbing fall arrest blocks 52
Webbing lanyards 51
Weighing pallet truck 110
Weld on hooks 41
Wide jaw clamps 74
Wide pallet trucks 108 & 111
Winches (endless) 40
Winches (electric) 37 & 102-105
Winches (height safety) 53
Winches (manual) 92-99
Work positioning kit 49 & 53
Workshop engine cranes 123
- Y**
Yale*lift360* chain hoists 15-19
Yale*MINI360* chain hoists 14
Yale*ERGO* lever hoists 10
Yale*Mtrac* endless winch 40
Yale*trac* cable pullers 22-23
YBA/F spring balancers 42-43
YC beam clamps 24
YCC-201 chain cutter 60
YS hydraulic cylinders 54-57
YSW hydraulic wedges 61
- Z**
ZWW rack/pinion jacks 118-119



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More details can be found at the FSC web site www.fsc.org



Live our values every day.

UK HEAD OFFICE

Columbus McKinnon Corporation Limited
Knutsford Way, Sealand Industrial Estate
Chester, CH1 4NZ

Tel: **+44 (0) 1244 375375**

Fax: +44 (0) 1244 377403

Email: sales.uk@cmco.eu

NORTHERN IRELAND OFFICE

Columbus McKinnon Corporation Limited
1A Ferguson Centre, 57 - 59 Manse Road
Newtownabbey, BT36 6RW

Tel: **+44 (0) 2890 840697**

Fax: +44 (0) 2890 343673

Email: sales.ni@cmco.eu

