

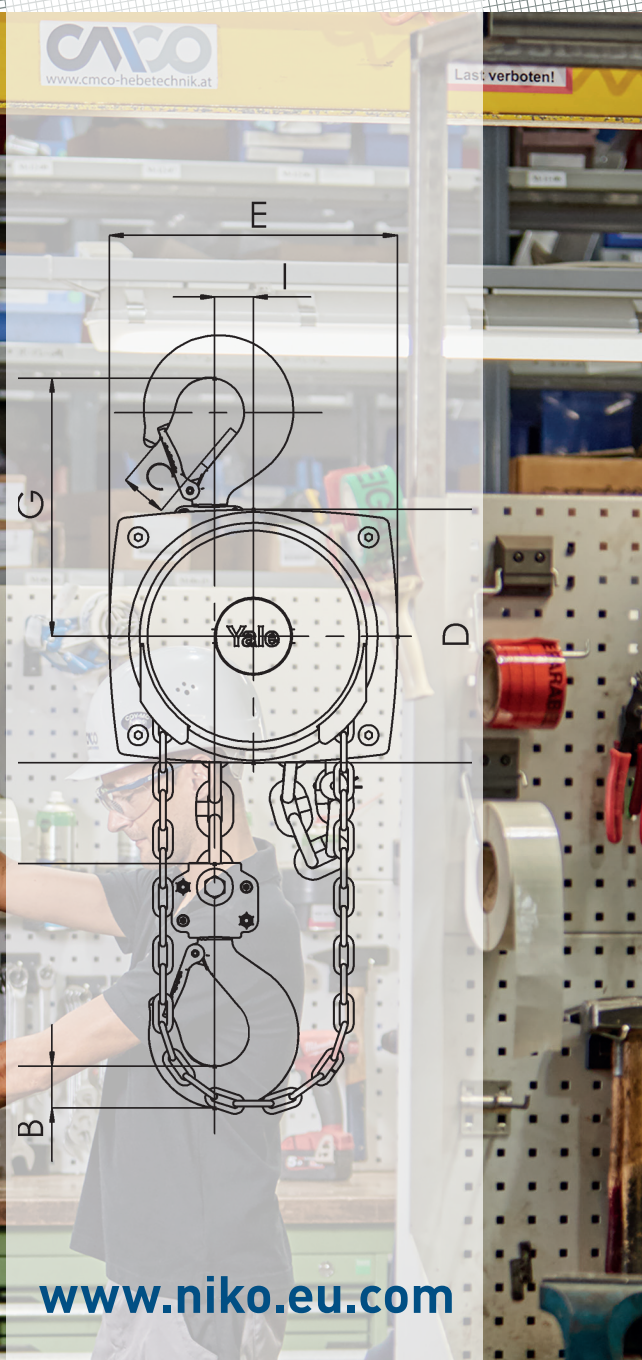
Yale^{lift} 360

CMCO
COLUMBUS McKINNON

- Manual Chain hoists
- Capacities: 500-2000kg



NIKO ... Quality in Motion



www.niko.eu.com

Yale*lift* 360

The Yale*lift* 360® – a revolution in the world of manual hoists!

Both, the type of application and the operating conditions go far beyond those of a classic hand chain hoist.

BENEFITS & FEATURES

STAMPED STEEL HOUSING

The robust stamped steel housing with four stay bolts protects all internal components even in the toughest working conditions.

COMPACT CONSTRUCTION

The extremely low headroom allows maximum use of the lifting height.

EASY TO USE

The revolutionary 360° rotating hand chain guide allows the operator to work from virtually any position, even in confined spaces or from above the load. The Yalelift can even be operated from the side of the load, which also makes it possible to use the hoist for horizontal pulling or tensioning. Due to the additional flexibility, the operator is no longer forced to work in the danger zone near the load.

RELIABLE LOAD GUIDANCE

Chain guide and gearbox are almost totally enclosed. Even under the toughest conditions, the internal gearbox remains protected.

CONVENTIONAL LOAD PRESSURE BRAKE

The Weston-type load pressure brake is still being used in all manual hoists all around the world.

In this principle, the axial brake pressure is caused by the load itself and thus is always proportional to the size of the load, while the load is always kept safe in any position. When lowering, in order to release the brake, the difference between the brake-momentum and the load-momentum has to be overcome to even open the brake. During the complete lowering process, the brake will automatically close due to the attached load.

PRECISELY MATCHED LOAD CHAIN SHEAVE

The hardened load sheave with four precision-machined pockets ensures accurate movement of the load chain.

HIGH QUALITY LOAD CHAIN

The surface protected zinc-plated or yellow chromated alloy steel load chains fulfil all current requirements of national and international standards and regulations. They are optimally matched to the load sprocket and ensure safe and long-lasting operation of the device.

ROTATING HOOK - EASY TO MAINTAIN

Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel. The hooks are fitted with robust safety latches and rotate 360°.

OPTIONS

OVERLOAD PROTECTION DEVICE

The overload protection device serves to protect all components on and in the device against inadmissible overload. It usually reacts when the permissible load capacity is exceeded by 25%.

CHAIN CONTAINER

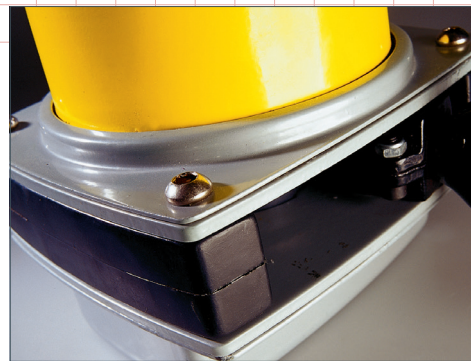
available for all models

CORROSION RESISTANT VERSION

The MKS coating is a coating of zinc and aluminium flakes which primarily protect the device against corrosion.

Even extremely thin layers - typically a system of base and top coat consists of 8-12 µm - high protective effects against base metal corrosion (red rust) can be achieved.





STEEL HOUSING

The robust stamped steel housing with four stay bolts is resistant to the toughest working conditions.



OPTIMIZED LOAD SHEAVE

The precisely machined load sheave ensures accurate movement of the load chain.



SPECIFIC CHAIN GUIDE



HIGH QUALITY BALL BEARINGS

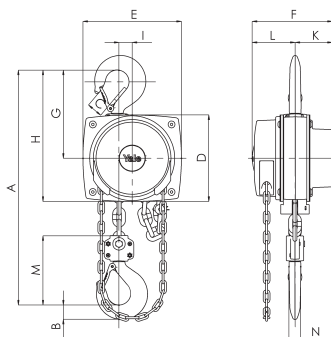
High quality encapsulated ball bearings and sliding bushes for smooth and effortless operation.

Technical data Yalelift 360

Model	Art.-No.	Capacity kg	Number of chain falls	Chain dimensions d x p mm	Lift per 1 m hand chain overhaul mm	Hand pull at WLL daN	Weight at standard lift (3 m) kg
YL 500	N04700109	500	1	5 x 15	33	21	9
YL 1000	N04700110	1000	1	6 x 18	20	30	13
YL 2000	N04700111	2000	1	8 x 24	14	32	20

Dimensions Yalelift 360

Model	YL 500	YL 1000	YL 2000
A min., mm	300	335	395
B, mm	17	22	30
C, mm	24	29	35
D, mm	133	156	182
E, mm	148	175	203
F, mm	148	167	194
G, mm	139	164	192
H, mm	206	242	283
I, mm	24	24	31
K, mm	61	70	83
L, mm	87	97	111
M, mm	110	125	156
N, mm	14	19	22



Yalelift 360, 500 - 3000 kg,
single fall

OPTIONAL WITH OVERLOAD PROTECTION DEVICE

The overload protection device serves to protect all components on and in the device against inadmissible overload. It usually reacts when the permissible load capacity is exceeded by 25 %.





CMCO
www.cmco-hebetechnik.at

Last verboten!

YALELIFT IT - HAND CHAIN HOIST WITH INTEGRATED PUSH OR GEARED TROLLEY

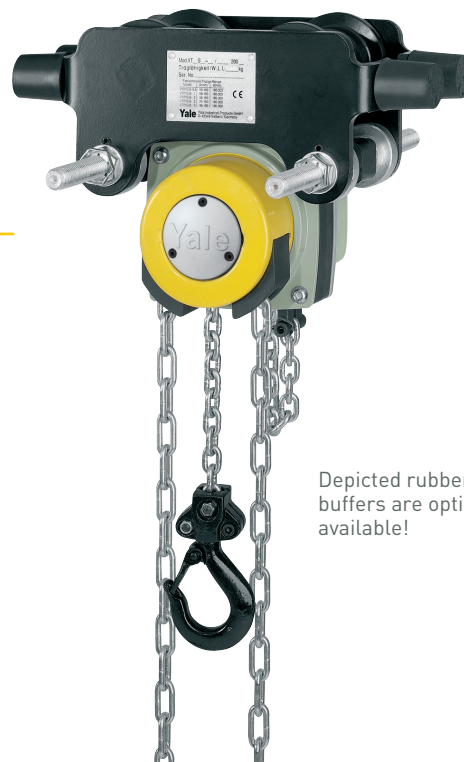
The combination of the Yalelift 360 with a low headroom manual trolley provides even more flexibility in the application.

BENEFITS & FEATURES

- All units of this series up to a capacity of 3000 kg are built with a single chain fall, the min. headroom (Dim. A) has been further reduced. Ideal for applications with low ceilings and limited headroom.
- The approved and almost stepless adjustment system of the trolley enables the simple and quick assembly due to adjusting nuts.
- Trolleys up to 5t capacity are offered for two beam ranges; range A for a flange width of up to 180 mm is standard and covers approx. 80 % of all applications. Conversion to range B for beam width up to 310 mm 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 pre-lubricated, encapsulated ball bearings.
- Anti-drop and anti-tilt devices as standard.

OPTIONS

- Adjustable overload protection device.
- Chain container
- Rubber buffers
- Corrosion resistant version
- 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 5000 kg.



Depicted rubber buffers are optionally available!

UPGRADE
SIMPLE & FLEXIBEL
FROM YALELIFT 360 TO
YALELIFT IT

INFO

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



ATEX

All models of the Yalelift, Yalelift IT and Yalelift LH series are available in an explosion proof version.

From the ATEX Medium version, copper-plated bottom blocks/hooks are being used. The trolley wheels are made of solid bronze also from the medium version.

Technical data Yalelift IT

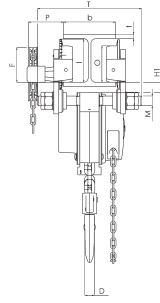
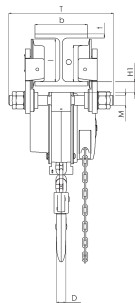
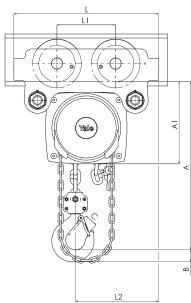
Model	Art.-No.	Capacity in kg/ Number of chain falls	Size	Beam flange width b	Beam flange thickness t max.	Curve radius min.	Weight at standard lift (3 m) - P	Weight at standard lift (3 m) - G	Weight at standard lift (3 m) with locking device - P in kg	Weight at standard lift (3 m) with locking device - G in kg
YLIT 500	N04900044	500/1	A	50 - 180	19	0.9	20	24	26	31
YLIT 500	-	500/1	B	180 - 300	19	0.9	21	25	27	32
YLIT 1000	N04900045	1000/1	A	50 - 180	19	0.9	27	32	35	40
YLIT 1000	-	1000/1	B	180 - 300	19	0.9	29	33	37	41
YLIT 2000	N04900046	2000/1	A	58 - 180	19	1.15	44	49	52	57
YLIT 2000	-	2000/1	B	180 - 300	19	1.15	46	50	54	58

P in connection with weight = with push trolley

G in connection with weight = with geared trolley

Dimensions Yalelift IT

Model	YLIT 500	YLIT 1000	YLIT 2000
A min., mm	245	272	323
A1, mm	158	178	205.5
B, mm	17	22	30
C, mm	24	29	35
D, mm	14	19	22
F (Geared trolley), mm	92	92	91
H1, mm	24.5	24	23.5
I (Push trolley), mm	71.5	71.5	95.5
I (Geared trolley), mm	76.5	76.5	98
L, mm	270	310	360
L1, mm	130	130	150
L2, mm	159	175	207
M, mm	M18	M22	M27
O, mm	60	60	80
P (Geared trolley), mm	108	110	112
T (Area A), mm	280	290	305
T (Area B), mm	400	410	425



Yalelift ITP/ITG, 500 - 3000 kg,
single fall



www.niko.eu.com

AUSTRIA-NIKO Vertriebs GmbH

Hainfelder Straße 48
A - 2560 Berndorf
Tel. 0043 2672-21201
Fax 0043 2672-21201-13
office.at@niko.eu.com
www.niko.world

CHINA-NIKO TRADING (SHANGHAI) Co., Ltd.

Room 901-156, No.18 TianShan Road,
ChangNing District, Shanghai,
P.R.China
Tel. 0086 158 0064 7160
info.cn@niko.eu.com

GERMANY-NIKO Technik GmbH

Robert-Bosch-Str. 14
DE - 42489 Wülfrath
Tel. 0049 (0) 2058 9093603
Fax 0049 (0) 2058 9093604
office.de@niko.eu.com

GREECE-Helm Hellas S.A.

82nd Km Athens-Korinthos
P.O. Box 209
GR - 201 00 KORINTHOS
Tel. 0030 27410 76800
Fax 0030 27410 25368
info@niko.eu.com

POLAND- NIKO Polska

Wojska Polskiego 65A
PL - Wielun 98-300
Tel. 0048 504 00 35 56
info.pl@niko.eu.com

UNITED KINGDOM-NIKO Ltd.

Units 15-21, Insight Park
Welsh Road East, Southam
Warwickshire, CV47 1NE -UK
Tel. 0044 (0) 1926 813111
Fax 0044 (0) 1926 815599
Sales@niko.co.uk
www.niko.co.uk

USA-NikoTrack LLC

210 Century Drive
Bristol, CT 06010
Tel. 001 860-845-8179
Fax 001 860-584-8612
info@nikotrack.com
www.nikotrack.com



We take no obligation for layout, composition, technical modifications or misprints.
Subject to technical modifications / Images may differ from actual products.

© NIKO (Version February 2021)