

Manual Chain Hoist

Yalelift 360

Lifting Equipment Ltd



Yalelift 360

Available in capacities from 500Kg up to 20,000Kg. The revolutionary design of the 360 chain hoist provides the operator with the best possible safety, as well as a huge range of applications, all due to the new hand chain guide arrangement. The 360 degree rotating hand chain guide permits operation from nearly all positions, even within confined spaces. The 360 chain block is able to be operated from the side of the load as well as any other position, which includes pulling horizontally. The plane between the bottom and the top hook must always be in a straight line. Since this model provides much greater flexibility, the operator is able to work outside the hazard areas and therefore reducing the risk of injury. The new brake system eliminates the ratchet and pawl mechanism found on most other chain blocks and therefore results in much less maintenance.



The chain guide



The patented Yale brake system ensures reduced wear and low noise



Complete with high quality encapsulated ball bearings and sliding brushes these ensure effortless and smooth operation

Optional extras available on this unit

- Acid and corrosion resistant load and hand chains
- All models can be equipped with an overload prevention device
- Chain containers

LHP Integrated Push Trolley + LHG Integrated Geared Trolley



Both available in capacities from 500Kg up to 10,000Kg

The LHP and the KHG manual chain hoists provide extremely low headroom, making it the ideal choice if needed in low height areas. They are also able to adjust to fit a range of beam profiles

The chain guide and reeving system have been designed to permit the bottom block to be pulled side on to the hoist even further up and nearly against the beam flange.

All LH models up to a capacity of 3000Kg are supplied with a single fall chain

The near stepless adjustment system permits fast and easy assembly of the trolley. The wheels are designed for a maximum beam profile incline of 14% (DIN 1025-part1)

The steel wheels are machined and pre-lubricated, with encapsulated ball bearings, providing excellent rolling features

These hand chain hoists have anti-tilt and anti-drop mechanisms as standard

The trolleys are available for 2 beam ranges, 1: for a flange width up to 180mm (standard) and covers 80% of requirements, 2: for beam width up to 300mm.

It is also possible for the yalelift 360 to be converted to incorporate an integrated trolley



Towerlift

Available in capacities of 1000Kg to 2000Kg.

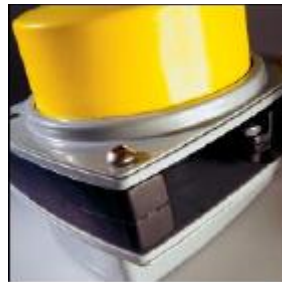
The towerlift hoist is an overturned version of the 360 model, and is specifically designed to be used on traversing tower systems.

This manual chain hoist is supplied with a special chain guide and a totally enclosed housing. Black powder coated finish as standard

Towerlift ES



Available in a capacity of 1000Kg. The ES manual chain hoist is an enhancement of the standard tower lift. The chain reeving system has been designed specifically for use within the entertainment industry, i.e. on stage sets. This model can be used as a standard hoist, as well as in the up-turned configuration. The hoist is supplied with a revolving chain container which permits it to be used in both configuration. Black powder coated finish.



The robust stamped steel housing

with four stay bolts is resistant to the toughest working conditions.



The precisely machined load sheave

ensures accurate movement of the load chain.



The IT Range

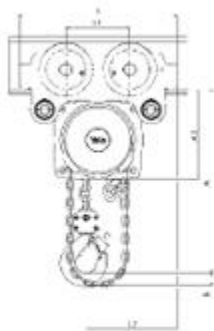
ITP with push trolley + ITG with geared trolley. Both available in capacities from 500Kg up to 5000Kg. The IT range of manual chain hoists is actually a mix of the 360 model with low headroom, and so provides even more flexibility. All models up to 3000Kg have a single fall chain, and the minimum headroom further reduced. The manual trolley adjusts to fit many beam profiles (IPE, INP, IPB) Also dependent upon the beams flange width easy adjustment may be made up to 300mm. The trolleys wheels are designed for use on a maximum beam profile incline of 14%. Superb rolling features are assured via the encapsulated ball bearings, which are pre-lubricated. These models come with anti-tilt and drop mechanisms as standard. The 360 model can also be converted into an IT with integrated trolley easily if required.

The Dimensions

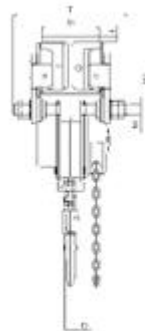
Model	Capacity in Kg / Number of chain falls	Chain dimensions		Hand Chain overhaul for 1 m lift m	Pull on hand chain at WLL daN	Net Weight at Std. lift (3m) Kg
		d	p in mm			
Yalelift 360	500/1	5	15	30	21	9
	1000/1	6	18	49	30	13
	2000/1	8	24	71	32	20
	3000/1	10	30	87	38	29
	5000/2	10	30	174	34	38
	10000/3	10	30	261	44	71
Towerlift	20000/6	10	30	522	2 x 44	196
	1000/1	6	18	49	30	14
Towerlift ES	2000/1	8	24	71	32	21
	1000/1	6	18	49	30	15

Model	Capacity in Kg / Number of chain falls	Beam Range	Beam flange width b mm	Beam flange thickness t max. mm	Min radius curve m	Net weight in Kg for 3m lift with locking device			
						-P	-G	-P	-G
Yalelift IT	500/1	A	50 - 180	19	0,90	20	24	26	31
	500/1	B	180 - 300	19	0,90	21	25	27	32
	1000/1	A	50 - 180	19	0,90	27	32	35	40
	1000/1	B	180 - 300	19	0,90	29	33	37	41

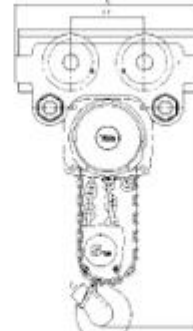
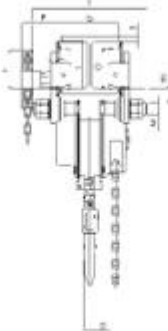
Yalelift LH	2000/1	A	58 - 180	19	1,15	44	49	52	57
	2000/1	B	180 - 300	19	1,15	46	50	54	58
	3000/1	A	74 - 180	27	1,40	77	82	86	91
	3000/1	B	180 - 300	27	1,40	79	84	88	93
	5000/2	A	98 - 180	27	1,80	125	130	135	140
	5000/2	B	180 - 300	27	1,80	129	134	139	144
	500/1	A	60 - 180	19	0,90	27	31	33	38
	500/1	B	180 - 300	19	0,90	27	32	34	38
	1000/1	A	70 - 180	19	0,90	35	40	43	48
	1000/1	B	180 - 300	19	0,90	36	41	44	49
	2000/1	A	82 - 180	19	1,15	61	65	69	73
	2000/1	B	180 - 300	19	1,15	62	67	70	75
	3000/1	A	100 - 180	19	1,40	107	112	116	121
	3000/1	B	180 - 300	19	1,40	109	114	118	123
	5000/2	A	110 - 180	27	1,80	152	157	162	167
	5000/2	B	180 - 300	27	1,80	156	161	166	171
10000/3	B	125 - 310	40	1,80				on request	



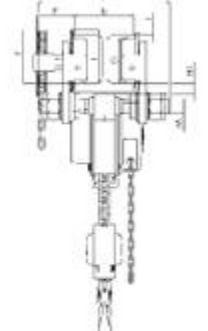
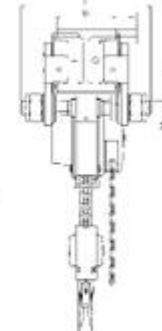
Yalelift ITP/G 0,5t - 3,0t



Yalelift ITG

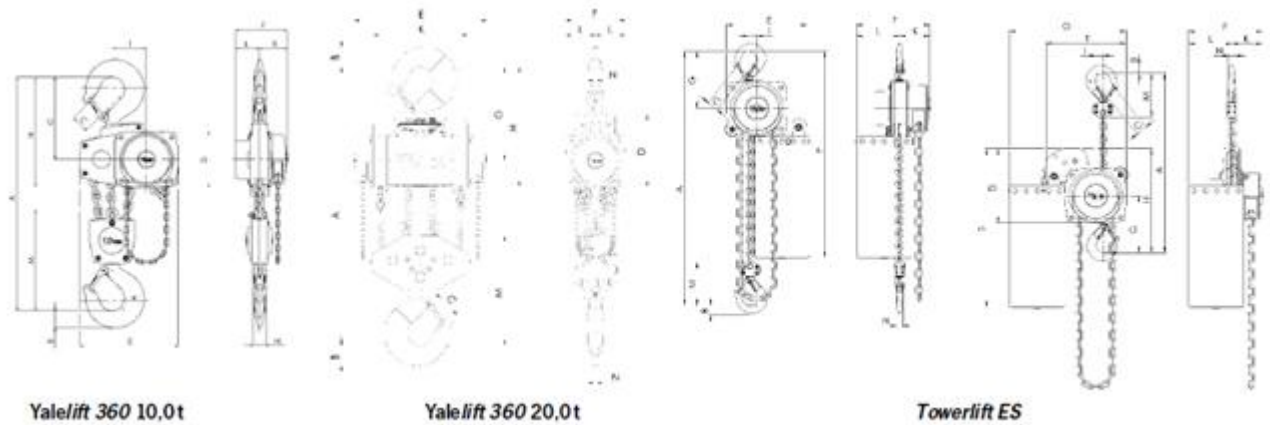


Yalelift ITP/G 5,0t



Yalelift ITG

Dimensions in mm	Yalelift IT 500	Yalelift IT 1000	Yalelift IT 2000	Yalelift IT 3000	Yalelift IT 5000	Yalelift LH 500	Yalelift LH 1000	Yalelift LH 2000	Yalelift LH 3000	Yalelift LH 5000
A min	245	272	323	382	550	188	211	264	316	425
A1	158	178	205,5	252	260,5	223	250	289	346	345
A2	-	-	-	-	-	381	427	511	614	612
B	17	22	30	38	45	17	22	30	38	45
C	24	29	35	40	47	24	29	35	40	47
D	14	19	22	30	37	14	19	22	30	37
F (geared)	92	92	91	107	149,5	92	92	91	107	150
H	24,5	24	23,5	32	30,5	24	24	24	32	31
I (pushed)	71,5	71,5	95,5	131	142,5	72	72	96	131	143
I (geared)	76,5	76,5	98	132,5	148,5	77	77	98	133	149
L	270	310	360	445	525	270	310	360	445	525
L1	130	130	150	180	209	130	130	150	180	209
L2	159	175	207	256	283	444	488	582	690	720
L3	-	-	-	-	-	124	135	172	203	175
L4	-	-	-	-	-	184	201	230	265	283
M	M 18	M 22	M 27	M 30	M 42	M 18	M 22	M 27	M 30	M 42
O	60	60	80	112	125	60	60	80	112	125
P (geared)	108	110	112	112	117	108	110	112	112	117
T (Range A)	280	290	305	320	364	280	290	305	320	364
T (Range B)	400	410	425	440	484	400	410	425	440	484



Corrosion Protection

Because of environmental influences corrosion begins on the surface, this in turn can affect the mechanical features of the chain block. Many components are supplied with a black finish, either un-machined, machined or painted, these offer some protection for a short time only, so the application of a protective coating can be beneficial depending on where it is used, this will in turn offer extended service life of the treated components.

Applications for Corrosion Resistant Models and Zinc-Plated RESP. Stainless Steel Load Chains

The total corrosion resistance will encompass stainless steel chains and zinc plated units, they can be utilized in all conditions with increased needs of corrosion protection, such as in the food processing industry, farming and sewage treatment plants.

Spark Resistance Hoist

Within the chemical industry and many other industrial areas there is a risk that any spark could cause an explosion, and therefore deemed highly hazardous, there are stringent legal and technical requirements in place for these areas and should be strictly adhered to. All of the manual chain hoist featured can be supplied with all or any of the optional features listed below, they provide additional protection against sparking. Units, completely corrosion resistant. Stainless steel load or hand chain. Bronze plated suspension and load hooks. Solid bronze trolley wheels. Rubber buffers. Chain containers

Features

All models of the Yalelift Vario programme can be provided with the following optional features for additional protection against sparking :

- Load and hand chains from stainless steel
- Units completely corrosion resistant.
- Bronze plated suspension and load hooks
- Solid bronze trolley wheels
- Rubber buffers
- Chain containers

Overload Protection



The overload programme device of the Yalelift Vario programme reliably prevents excessive load take-up of the hoist during operation. When reaching the pre-set overload value, the unit will jam and stop operation in the lifting direction. Lowering of the load is still possible at any time.

The overload protection device provides additional safety with regard to possible false estimation of the load weight and thus increases the lifetime of the hoist. The new design principle of this **lifting gear** allows excellent adjustability and response.

Beam Locking Device

Yale trolleys can be optionally provided with beam locking devices to secure the unloaded trolley in fixed position on the beam (park position e.g. on ships)

Chain container



The chain containers for the Yalelift Vario programme consist of a robust, powder-coated steel frame with a flexible chain bag made from high tensile Cordura textile fabric. Available in different sizes, special sizes on request.

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