Hand chain hoist *Towerlift ES*

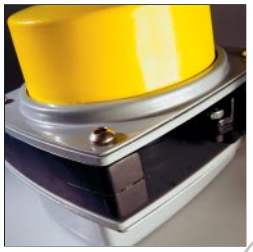
Hand chain hoist model *Towerlift*

Capacities 1.000 - 2.000 kg

The *Towerlift* is the inverted version of the Yale*lift 360* and specifically designed for operation on traversing tower systems.

- The unit is provided with a special chain guide and a totally enclosed housing.
- The basic version of the *Towerlift* offers capacities of 1.000 kg and 2.000 kg.
- Black powder coat finish as standard.

For applications that require additional corrosion prevention e.g. food processing, dairies, sewage treatment etc.
see page 22-23



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.

Hand chain hoist *Towerlift ES*

Capacity 1.000 kg

The *Towerlift ES* is a further development of the *Towerlift*. Like the *Towerlift* the model *ES* is provided with a chain reeving system specifically designed for the stage/entertainment industry. This allows operation in standard hoist configuration as well as in inverted mode.

- The hoist comes with revolving chain container which can be fully used in standard hoist configuration as well as in inverted mode.
- Black powder coat finish.

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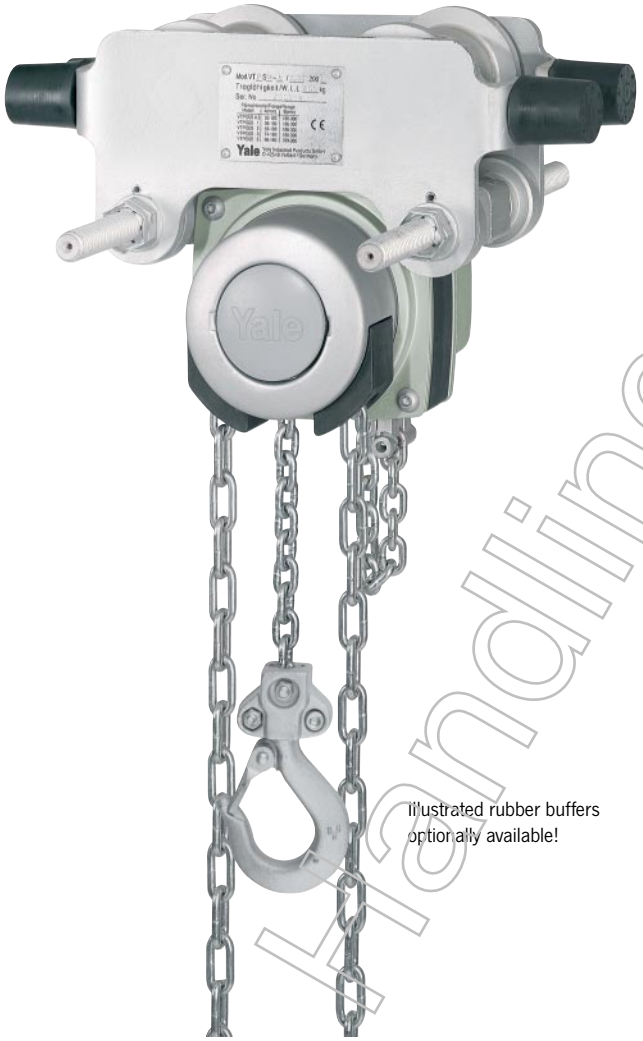
Yale®

Corrosion resistance *CR* Accessories



Illustrated rubber buffers optionally available!

Corrosion resistance *CR*

Added lifetime

All models of the Yalelift Vario programme can be supplied with corrosion resistant features which include zinc-plated load chains and stainless steel hand chain as standard.

Corrosion protection

Corrosion starts on the surface of components due to reaction of environmental influences. This affects the mechanical properties of the components, e.g. breaking strength 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.

Applications for corrosion resistant units and zinc-plated resp. stainless steel load chains

Completely corrosion resistant units with either zinc-plated or stainless steel 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.

All units available in corrosion resistant version!

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Spark resistant features

Added safety

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

Solid bronze trolley wheels

Bronze-plated suspension and load hooks

Overload protection

Added control

The overload protection 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 allows excellent adjustability and response.

Spark resistance

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

Applications

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

Beam locking device

Added security

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

Chain container

Added comfort

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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Yale®

Hand chain hoist

Yale*lift* 360

Model	Capacity in kg/ Number of chain falls	Chain dimensions d x p in mm	Hand chain overhaul for 1 m lift m	Pull on hand chain at WLL daN	Net weight at std. lift (3 m) kg
Yale*lift 360*	500/1	5 x 15	30	21	9
	1000/1	6 x 18	49	30	13
	2000/1	8 x 24	71	32	20
	3000/1	10 x 30	87	38	29
	5000/2	10 x 30	174	34	38
	10000/3	10 x 30	261	44	71
	20000/6	10 x 30	522	2 x 44	196
Towerlift	1000/1	6 x 18	49	30	14
	2000/1	8 x 24	71	32	21
Tower*lift ES*	1000/1	6 x 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 3 m lift			
								with locking device	
						-P	-G	-P	-G
Yale*lift 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
	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
Yale*lift LH*	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			

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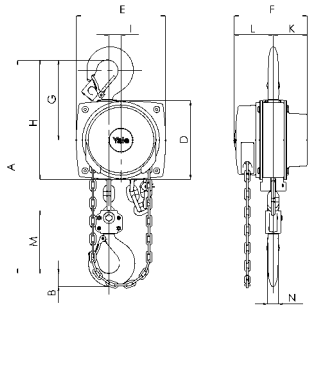
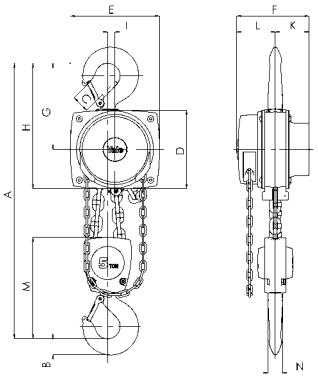
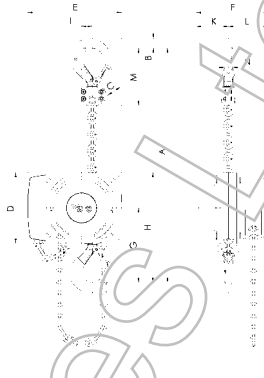


Yale*lift 360* 0,5 t - 3,0 t

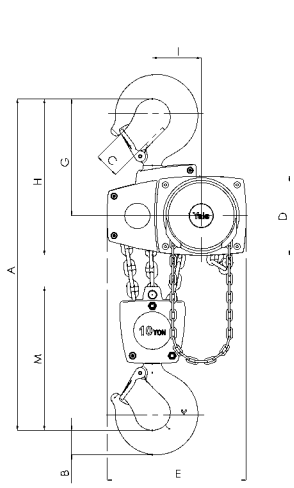


Yale*lift 360* 5,0 t

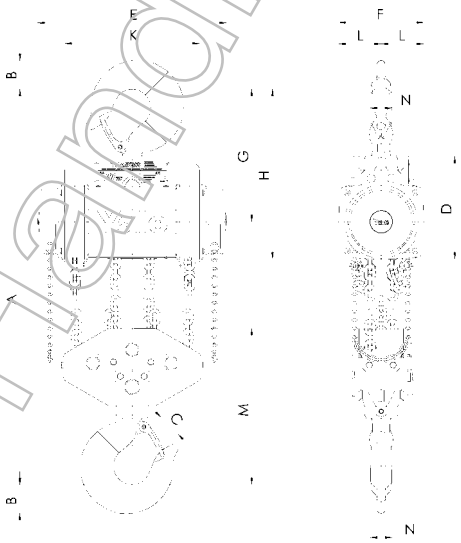


Towerlift

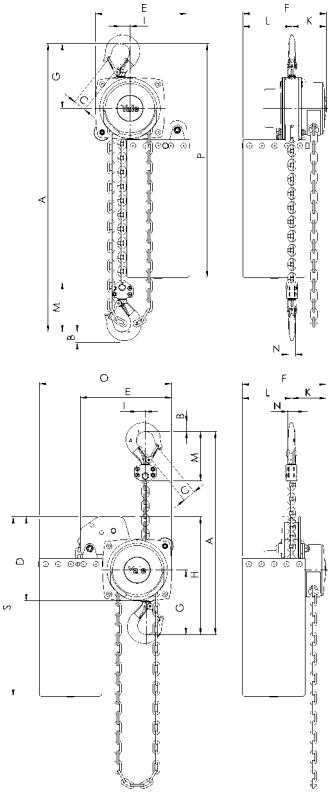
Dimensions in mm	Yale*lift 360* 500	Yale*lift 360* 1000	Yale*lift 360* 2000	Yale*lift 360* 3000	Yale*lift 360* 5000	Yale*lift 360* 10000	Yale*lift 360* 20000	*Towerlift* 1000	*Towerlift* 2000	*Towerlift ES* 1000
$A_{min.}$	300	335	395	520	654	825	980	335	395	335
B	17	22	30	38	45	68	85	22	30	22
C	24	29	35	40	47	68	74	29	35	29
D	133	156	182	220	220	220	303	156	182	213
E	148	175	203	250	250	383	555	205	243	232
F	139	157	183	204	204	204	250	157	183	212
G	139	164	192	225	242	326	391	164	192	164
H	206	242	283	335	352	436	501	242	283	299
I	24	24	31	34	21	136	–	24	31	24
K	61	70	83	95	95	95	396	70	83	124
L	79	87	100	109	109	109	125	87	100	88
M	110	125	156	178	285	401	461	125	156	125
N	14	19	22	30	37	50	56	19	22	19
O	–	–	–	–	–	–	–	–	–	335
P	–	–	–	–	–	–	–	–	–	593
S	–	–	–	–	–	–	–	–	–	455



Yale*lift 360* 10,0 t



Yale*lift 360* 20,0 t



Towerlift ES

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