

ENGINEERED LIFTING SOLUTIONS

HOISTING FOR EXTREME APPLICATIONS



LOW HEADROOM TROLLEY HOIST COMBINATION

1,000 KG – 10,000 KG LIFTING CAPACITY



ATEX
Explosion Protected

Leaflet No. KITO-83840-83845:01

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Designed and manufactured according to:

- ▶ EC machinery directive 2006/42/EC
- ▶ ATEX Directive 2014/34/EU
- ▶ EN13157
- ▶ Manufactured in the Netherlands

Standard features:

- ▶ Suitable for extreme spaces and low headroom applications
- ▶ Equipment classification Gas $\text{Ex II 2G EX h IIB T3 Gb}$ (zone 1)
- ▶ Equipment classification Dust $\text{Ex II 2D EX h IIIB T200°C Db}$ (zone 21)
- ▶ Light weight
- ▶ Low pulling force on the hand chain
- ▶ Overload protection by slipping clutch
- ▶ Chain hoist executed with double safety pawl, safe and sure brakes
- ▶ Surface treatment 2 layer paint system and power coating, colour Munsell 6YR6/14
- ▶ Nickel plated load chain, grade V (G 100) in acc. with standard EN818-7
- ▶ Hand chain electric galvanized
- ▶ Trolley wheels with life time lubricated bearings
- ▶ Wheel break support and anti-tilt device integrated
- ▶ Rubber buffers mounted on trolley
- ▶ Ambient temperature -20°C / +40°C

Remark:

Low headroom hoist units are executed with a fixed suspension set within the range of the beam width as mentioned in the tables.

Maximum INP profile restriction for 6kN = INP220, 11kN = INP300, 22kN = INP360, 33kN = INP400, 52/64kN = INP450

Explosion Protected:

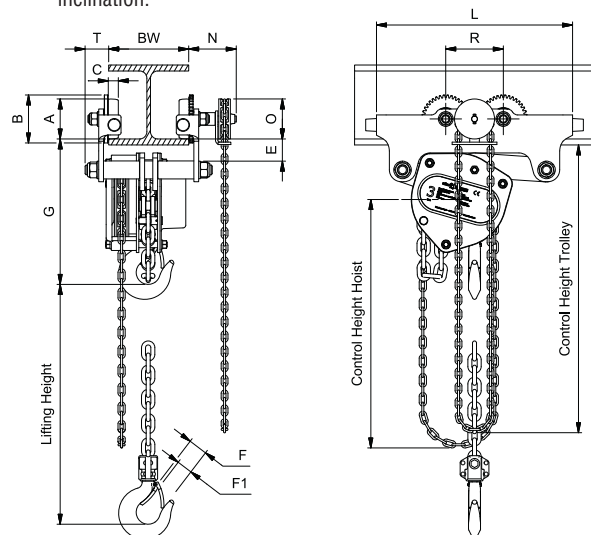
Equipment is executed with non-sparking materials for fast mechanical contact parts for hand chain movements and internal fast moving hoist parts, extended with unique and reliable bronze coated load hooks.

Optional:

- ▶ Special surface protection acc. to ISO 12944
- ▶ 3.1 load test certificate
- ▶ Available in equipment class Gas $\text{Ex II 2G EX h IIC T3 Gb}$ (zone 1)
- ▶ Available in equipment class Dust $\text{Ex II 2D EX h IIIC T135°C Db}$ (zone 21)
- ▶ Temperature class T4 / T135°C will be observed separately for each project
- ▶ Suitable for ambient temperature -40°C / +40°C
- ▶ Canvas chain bag, steel or stainless steel chain container
- ▶ Steel or stainless steel chain container
- ▶ Solid bronze wheels
- ▶ Parking device for parking in unloaded condition
- ▶ Stainless steel 316 load chain and hand chain
- ▶ Stainless steel nameplate with tag number
- ▶ General arrangement drawing in dwg. and 3D Step
- ▶ 3.1 material certificate for load bearing parts of the trolley

Special options:

- ▶ Also available in rack and pinion driven execution for operation under inclination.



Capacity kg	Article number Push	Article number Geared	Chassis	Fixed beam width in range mm	No. of falls	Chain size mm	max. pulling force hoist kg	max. pulling force trolley kg	Weight 3 meters lift kg	Head- room G	Dimensions										
											A	B	C	E	F	F1	R	T	L	N	O
500	83840-00600	83845-01000	11 kN	55-300	1	5	24	10	21,5	260	Ø60	Ø75	18	20	31,1	27	99	42	310	90	Ø100
1,000	83840-01100	83845-01100	11 kN	55-300	1	6,3	29	10	23	270	Ø60	Ø75	18	20	34,6	29	99	42	310	90	Ø100
1,500	83840-01500	83845-01500	22 kN	74-300	1	7,1	35	16	35	280	Ø80	Ø100	22	27	38,8	34	123	49	395	90	Ø100
2,000	83840-02200	83845-02200	22 kN	74-300	1	8	36	16	40	310	Ø80	Ø100	22	27	40	36	123	49	395	90	Ø100
2,500	83840-02500	83845-02500	33 kN	90-300	1	9	33	20	60	370	Ø100	Ø120	25	35	42,5	40	144	59	455	95	Ø100
3,000	83840-03300	83845-03300	33 kN	90-300	2	7,1	36	20	55	435	Ø100	Ø120	25	35	46	42,5	144	59	455	95	Ø100
5,000	83840-05000	83845-05000	52 kN	106-300	2	9	34	20	100	530	Ø125	Ø150	30	40	50	46,5	174	65	590	130	Ø135
7,500	-	83845-08400	104 kN	115-300	3	9	35	19	220	670	Ø160	Ø190	35	42	79,5	72,5	220	82	800	134	Ø270
10,000	-	83845-10400	104 kN	115-300	4	9	36	19	220	640	Ø160	Ø190	35	42	79,2	72,5	220	82	800	134	Ø270

* Larger capacities on request

Changes in design and measurements reserved.

Van Leusden BV

Parelhoenweg 2 | 4791 PA Klundert | The Netherlands

Tel. +31 168 385 225 | www.vanleusden.com | info@vanleusden.com

LIFTING EXPECTATIONS