

ENGINEERED LIFTING SOLUTIONS

HOISTING FOR EXTREME APPLICATIONS



STANDARD HEADROOM TROLLEY HOIST COMBINATION

500 KG – 50,000 KG LIFTING CAPACITY



ATEX
Explosion Protected

Leaflet No. KITO-83820-83825:01

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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:

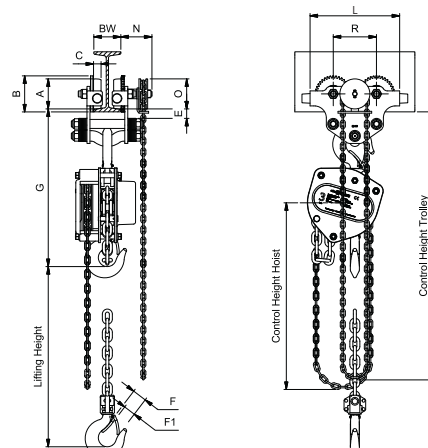
- ▶ Equipment classification Gas $\text{Ex II 2G EX h IIB T3 Gb}$ (zone 1)
- ▶ Equipment classification Dust $\text{Ex II 2D EX h IIB T200°C Db}$ (zone 21)
- ▶ Low pulling force on the hand chain
- ▶ Surface treatment 2 layer paint system and power coating, colour Munsell 6YR6/14
- ▶ Nickel plated load chain, grade V (G 100) in acc. with standard EN818-7
- ▶ Load and head chain electric galvanized
- ▶ Trolley wheels with life time lubricated bearings
- ▶ Wheel break support and anti-tilt device integrated
- ▶ Rubber buffers mounted on trolley

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:

- ▶ Available in equipment class Gas $\text{Ex II 2G EX h IIC T3 Gb}$ (zone 1)
- ▶ Available in equipment class Dust $\text{Ex II 2D EX h IIC T135°C Db}$ (zone 21)
- ▶ Temperature class T4 / T135°C will be observed separately for each project
- ▶ Special surface protection acc. to ISO 12944
- ▶ 3.1 load test certificate
- ▶ Canvas chain bag, steel or stainless steel 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
- ▶ 3.1 material certificate for load bearing parts of the trolley



Capacity kg	Article number Push	Article number Geared	Chassis	Adjustable beam width min. - max. mm	Min. radius	No. of falls	Weight 3 meters lift kg	Headroom G	Dimensions													
									A	B	C	E	F	F1	R	L	N	O				
500	83820-00600	83825-00100	6 kN	55-102	700	1	13	337	045	060	15	15	31,1	27	75	150	-	-				
	83820-00601	83825-00101		105-152																		
	83820-01100	83825-01100		55-102																		
1,000	83820-01101	83825-01101	11 kN	105-152	1,050	1	17,5	355	060	075	18	20	34,6	29	99	190	90	0100				
	83820-01102	83825-01102		156-203																		
	83820-01103	83825-01103		206-254																		
1,500	83820-01600	83825-01600	22 kN	74-127	1,400	1	26,5	425	080	0100	22	27	38,8	34	123	255	90	0100				
	83820-01601	83825-01601		127-180																		
	83820-01602	83825-01602		190-243																		
2,000	83820-01603	83825-01603	22 kN	254-305	1,750	1	32	450	080	0100	22	27	40	36	123	255	90	0100				
	83820-22000	83825-02200		74-127																		
	83820-22010	83825-02201		127-180																		
2,500	83820-22020	83825-02202	33 kN	190-243	1,750	1	46	510	0100	0120	25	35	42,5	40	144	300	95	0100				
	83820-22030	83825-02203		254-305																		
	83820-02500	83825-02500		90-143																		
3,000	83820-02501	83825-02501	33 kN	149-203	2,200	2	43	600	0100	0120	25	35	46	42,5	144	300	95	0100				
	83820-02502	83825-02502		203-254																		
	83820-02503	83825-02503		251-305																		
5,000	83820-03300	83825-03300	52 kN	90-143	2,200	2	73	717	0125	0150	30	40	50	46,5	174	375	130	0135				
	83820-03301	83825-03301		149-203																		
	83820-03302	83825-03302		203-254																		
7,500	83820-03303	83825-03303	104 kN	251-305	2,950	3	150	915	0160	0190	35	45	79,5	72,5	220	450	130	0270				
	83820-05200	83825-05200		106-156																		
	83820-05201	83825-05201		160-210																		
10,000	83820-05202	83825-05202	104 kN	210-260	2,950	4	174	905	0160	0190	35	45	79,2	72,5	220	450	130	0270				
83820-05203	83825-05203	255-305																				
15,000	83820-16401	83825-16401		164 kN					>=155	2,950	6	294	1,165	0200	0240	50	42	94,6	80	272	560	170
20,000	83820-20401	83825-20401	204 kN	>=170	2,950	8	377	1,345	0200					0240	50	42	95,7	81	272	560	170	0300

Larger capacities up to 50,000kg on request

Changes in design and measurements reserved.

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LIFTING EXPECTATIONS