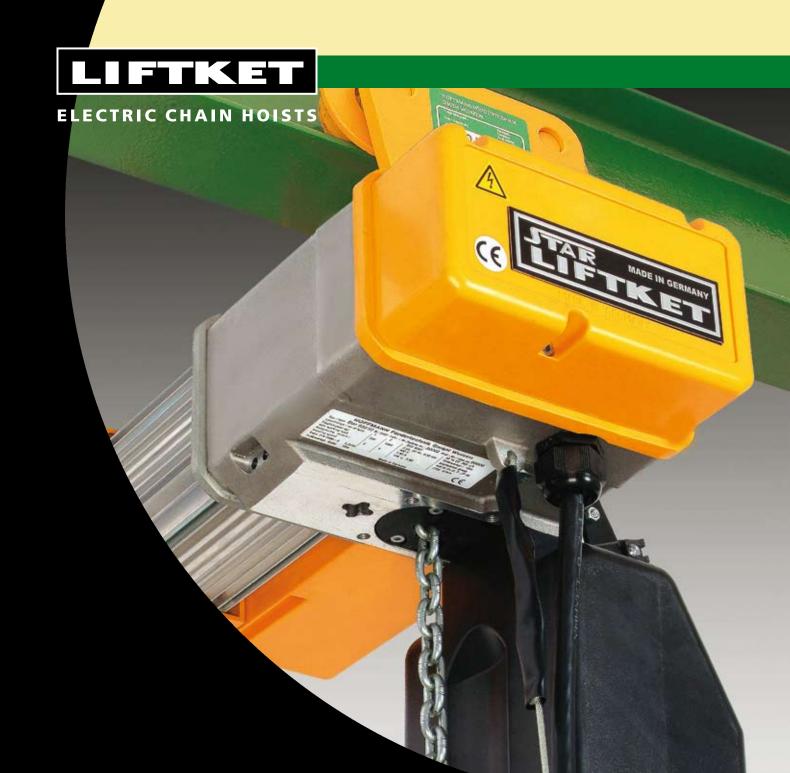
HOFFMANN Fördertechnik GmbH Wurzen



LIFTKET

Innovative electric chain hoists – Milestones on the way to success











The initial LIFTKET design has introduced the change to low headroom hoists by placing the motor and the gearbox on one horizontal level for the first time. The LIFTKET was the first hoist to launch the special patented safety clutch/brake system preventing a load drop if the clutch is damaged or even fully worn. The perfection of the new STAR LIFTKET clutch/brake system does not know anything to compare around the globe today.



Since HOFFMANN Fördertechnik GmbH Wurzen has been set up

for more than 60 years now. Particularily during the last 20 years the company has been subsequently modernised and expanded.

initially on January the 1st 1948 electric hoists have been produced

Besides the development and the production of standard hoist products taylored to the specific demands of our customers play a central role and are practised part of our company philosophy.

LIFTKET hoists are available in over 40 countries worldwide and are daily proving their quality under very different applications and conditions. Our German dealer network and agencies in many countries provide the required service to most of our worldwide customers.



Dresdener Straße 64 – sales, design and engineering department



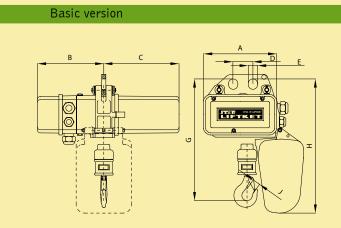
Dresdener Straße 66 – Machining

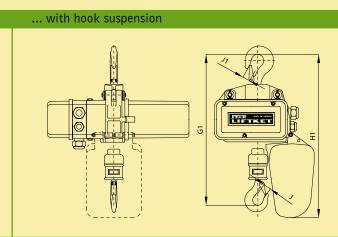


Dresdener Straße 68 – Machining

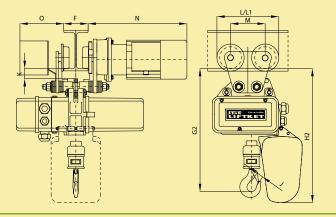


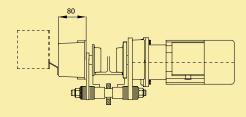
Three phase electric chain hoists 125 kg – 6300 kg





... with electric trolley or push trolley





Three phase electric chain hoists 125 kg – 6300 kg

Please note:

- Power supply 400 V, 3 ph, 50 Hz
- Protection class IP55 / insulation class F
- Different voltage and frequency options available on request
- Control cable 1.5 m supplied as standard
- Height of lift 3 m supplied as standard, the hoist weight has been calculated for 3 m height of lift, hoist weight will increase by approximatly 2 kg if low voltage control is required
- Different heights of lift and control cable lengths available on request
- For lifting heights greater than 20 m a reduction to the safe working load must be made for the additional weight of chain
- STAR models 090/..., 091/..., 110/... and 111/... have to be fitted
 with low voltage control only, if supplied without control upon the
 request a low voltage control has to be added before first operation.
 These STAR models are equipped with low voltage control as standard.

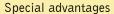
The technical data mentioned in the tables are approximate and subject to change.

Counter weights might be required for double speed trolleys for special combinations of load capacity, flange width and type of control (max. weight 9.4 kg).

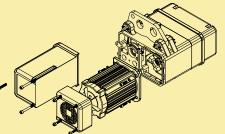
Trolley capacity	Minimum radius of beam
up to 1000 kg	1.0 m
up to 3200 kg	1.5 m
up to 6300 kg	2.0 m



Capa- city	Version	STA Mod		Num- bers of load falls	Duty group hoist FEM 9.511	Duty group load chain EN 818-7	Dimension of load chain DIN 5684-8	Lifting motor	Duty rate starts/hour	A	B	C D	E	G	G1	G2	H	H1 H2	J	J1	Trolley type	F Flange width	Travelling speed m/min	Travelling motor kW	K	a Push trolley 7	Electric trolley L	m mm (a for low voltage O control only	Dia- meter of the wheels	STAR LIFTKET- Basic version kg	Weights Push trolley	Electric trolley	
160 250	125/1-8 125/1-8/2 125/1-24 125/1-24/6 160/1-6/1,5 250/2-4 250/2-4/1 250/1-6	020/5 021/5 020/5	53 8/2 50 24 50 24/6 52 6/1.5 52 4 53 4/1 53 6	1 1 1 1 2 2	3m 3m 3m 3m 3m 3m 3m 3m 3m	2m 2m 1Bm 2m 2m 2m 2m 2m	4x12 4x12 4x12 5.2x15 4x12 4x12 4x12 4x12	0.55/0.12 0.32/0.08 0.25 0.32/0.08 0.55	60/360 60/40/240 60/240 60/25/240 40/25/240 60/360 60/40/240	212 212 266 212 212 212 212 212	192 192 232 192 192 192 192	218 58 218 58 218 58 274 58 218 58 218 58 218 58 218 58 218 58	27 27 30 27 27 27 27	390 354 407 407 354	432 432 432 462 432 485 485 432	401 401 401 436 401 454 454 401	409 409 409 449 409 409 409	487 456 487 456 522 505 487 456 487 456 487 456 487 456	20 20 20 20 22 22 22 20	22 22 22 22 22 22 22 22 22	500 500 500 N	50-106	16 or 25	0.12 or 0.12				(16	220 or 25)			17 17 17 33 17 19 19		15 (16 or 25)	
320	250/1-8 250/1-8/2 250/1-12 250/2-12 250/1-12/3 250/2-12/3 250/1-18/4. 250/1-24 320/2-3/0.7	050/5 5 021/5	8/2 50 12 50 12 50 12 52 12/3 55 18/4.5 52 24 52 3/0.75	1 2	2m 2m 2m 3m 3m 3m 3m 3m 3m	1Bm 1Bm 2m 1Bm 2m 2m 2m 1Bm 2m	4x12 4x12 5.2x15 4x12 5.2x15 5.2x15 5.2x15 5.2x15 4x12	0.32/0.08 0.55 0.55 0.55/0.12 0.55/0.12 0.9/0.2 1.1 0.32/0.08	60/240 40/25/240 60/240 60/240 40/10/240 60/25/240 60/25/240 60/240 40/25/240	266 212	192 192 232 232 232 232 232 192	218 58 218 58 218 58 218 58 218 58 274 58 274 58 274 58 274 58 274 58	27 27 30 30 30 30 27	354 354 407 390 443 390 390 407	432 432 432 485 462 515 462 462 485	401 401 401 454 436 489 436 436 454	409 409 409 409 449 449 449 449	487 456 487 456 487 456 487 456 522 505 522 505 522 505 522 505 522 505 487 456	20 20 22 20 22 20 22 20 20 20 22	22 22 22 22 22 22 22 22 22 22	500 500 500 500 500 500	110-200 210-300	or 5/20	or 0.04/0.18	33	200	216 1:	.2	292 5/20)	142	70	17 17 18 19 33 35 35 33 33	8	18 (5/20)	
400	320/1-10 400/1-10	030/		1	1Bm 1Am	2m 1Bm	5.2x15 5.2x15	0.55	40/240 60/240	212		218 58 274 58		354 390	432	410	409	487 456 522 505			1000 N S1 1000 S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216 1	.2 (16	220 or 25) 292 5/20)	146	70	18 33	10	17 (16 or 25) 19 (5/20)	
500	500/2-3 500/2-4 500/2-4/1 500/2-6 500/2-6/1.5	020/9 020/9 021/9 030/9	3 3 4 4 51 4/1 50 6	2 2 2 2 2 2	2m 2m 2m 2m 3m	2m 1Bm 1Bm 2m 2m	4x12 4x12	0.55 0.55 0.32/0.08 0.55	60/240 60/240 60/240 40/25/240 60/240 40/10/240	212 212	192 192 192	218 58 218 58 218 58 218 58 218 58	27 27 27 27	407 407 407 407	485 485	454 454 454 454	409 409 409 409	487 456 487 456 487 456 487 456 522 505	22 22 22 22	22 22 22	500 N 500 S1 500 S2	50-106 110-200 210-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	33	200	216 1	12 (16	220	142	70	19	8	15 (16 or 25) 18 (5/20)	Spec • H
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1000	1000/2-4 1000/2-5 1000/2-5/1 1000/1-6	030/5 070/5 25 071/5 070/5	52 4 51 5 53 5/1.25 55 6	2 2 2 1	1Bm 2m 2m 1Am	1Bm 2m 2m 1Bm	5.2x15 7.2x21	0.7	40/240 60/240 60/25/240 40/240	212 266 266 266	192 232 232 232	218 58 274 58 274 58 274 58 274 58	30 30 30 30	407 514 514 404	485 602 602 492	463 570 570 460	409 511 511 451	487 456 599 567 599 567 539 507	22 28 28 22	22 28	1000 S1 1000 S2 1000 2000	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	36 34.5	200	216 11	2 (16	or 25)	146	70	20 41 47 36	10	17 (16 or 25) 19 (5/20)	co ge
	1000/1-6/1. 1000/1-8	5 071/5 090/5	_	1	1Am 3m	1Bm 3m	7.2x21 9x27	1.1/0.2 2.2	60/25/240	266 358	232 285	274 58 359 85	_		492 616	460 550	451 619	539 507 744 678		30	2000 2000 N S1	82-155 137-215	8 or 12	0.12 or 0.12	38.5 37	288.5	293.5 15	. (8	263 or 12)	147	103	42 69	22	29 (8 or 12)	• U:
	1000/1-8/2	091/	8/2	1	3m	3m	9x27	1.8/0.45	60/25/240	358	285	359 85	34	491	616	550	619	744 678		30	2000 S2	220-300	or 5/20	or 0.04/0.18	34.5			(5	5/20)		103	67		30 (5/20) 17 (16 or 25)	ar Th
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2000	1600/1-16/4 2000/2-3		7 16/4	1 2	1Am 1Am	1Bm 1Bm	9x27 7.2x21	4.4/1.1	40/25/240 40/240	358	285 232	406 85	34	491	616	550	619		28	30	3200 2000 N	220-300 66-135	16 or 25	0.12 or 0.12	34.5			(7.6	5/20) 220 or 25)			103° 41		17 (16 or 25)	• M
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2500	2500/2-4 2500/1-10	110/		1	1Bm 2m	1Bm 2m	7.2x21 11.3x31		60/240		232					590 676		599 587 790 738	30		3200 S2 5000 N S1	90-155 160-226	4/16	0.04/0.18	38 38	351	351 19	11	409	160	122	47 90	47	63 (4/16)	J gc
3200		090/	55 4	2		2m 2m		4.4/1.1	40/25/240 60/240		285		34	600			671 619		30		5000 S2 3200 N	240-310 82-155	8 or 12	0.12 or 0.12	35.5 38.5			(2	263			118 ¹⁾ 79		29 (8 or 12)	
	3200/2-5/1 3200/2-6/1				2m 2m	2m 1Bm	9x27 9x27	3.0/0.75 4.4/1.1	60/25/240 40/25/240		285 285	359 85 406 85				659 659	619	744 678 744 678	30		3200 S1 3200 S2	137-215 220-300 90-155	or 5/20	or 0.04/0.18	37 34.5	288.5	293.5 15	2.5	385 5/20)	147	103	98 ¹¹	22	30 (5/20)	
	3200/1-8	110/	54 8	1	1Bm	1Bm	11.3x31	4.0	60/240	358	285	363 120	0 47	610	728	676	671	790 738	30	42	6300 S1 S2	160-226 240-310	4/16	0.06/0.25	38 35.5	351	351 19	/1 (4	1,10)	160	122	90	47	63 (4/16)	
	3200/2-8/2	091/	8/2	2	1Am	1Bm	9x27	4.4/1.1	40/25/240	358	285	406 85	34	600	725	659	619	744 678	30	30	N 3200 S1 S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5 15	2.5	263 or 12) 385 5/20)	147	103	11311	22	29 (8 or 12) 30 (5/20)	
5000	3200/1-8/2 5000/2-5	110/	52 5	1 2	1Bm 2m	1Bm 2m	11.3x31 11.3x31	4.4/1.1	25/25/150 60/240	358 358	285 285	363 120) 47	740	858	676 806	671	790 738 790 738	42	42	6300 5000 N	90-155		0.06/0.25 0.04/0.18	38							118 ¹¹			
6300	5000/2-5/1. 6300/2-4 6300/2-4/1	110/	54 4	2	2m 1Bm	2m 1Bm	11.3x31 11.3x31	4.4/1.1	40/25/240 60/240		285) 47	740		806 806	671 671	790 738 790 738	42	42	5000 S1 6300 S2	160-226 240-310	4/16	0.04/0.18	38 35.5	351	351 19	01 (4	409 4/16)	160	122	135" 107	47	63 (4/16)	
1) weigh	6300/2-4/1 it including co		_	unted unde		1Bm ded cap	11.3x31	4.4/1.1	25/25/150	358	285	410 120	0 47	740	858	806	671	790 738	42	42	6300			0.06/0.25								135 º			



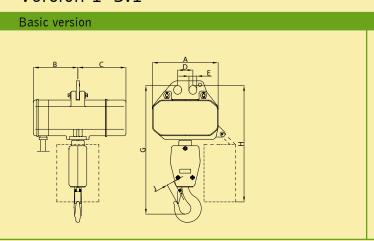
- High duty rate especially for areas with tropical climate
- Low maintenance requirements with easy access to all wearing parts and almost no need for special tools. This was achieved by introducing the module concept. Motor, oil filled and sealed gearbox, brake and control are ready for operation without any adjustments after being replaced, only the clutch has to be set.
- A fan cooled hoisting motor with cooling fins following the STAR LIFTKET gearbox contour.
- Use of first class materials and state of the art technology are to ensure the quality and liability for all the parts. This was accompanied by undergoing a long term test procedure in our laboratories. The proved life cycle of the parts exceeds the FEM requirements for the specific duty groups.
- An advanced safety for the hoist operation was achieved by implementing a new patented clutch/brake system as an upgrade of the previous idea of the LIFTKET system not to employ a sliding connection between brake and load. All clutch linings are of course asbestosfree.
- Making conversions from single to double chain fall or vice versa are very easy, safe and fast. Fixing of the second chain fall at the hoist body is absolutely safe and no assembly error can occur.
- Modern shape and design
- Compact and durable Aluminium gearbox with low weight

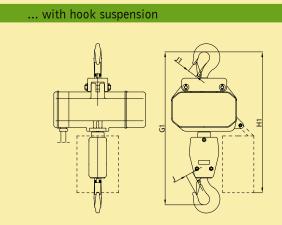




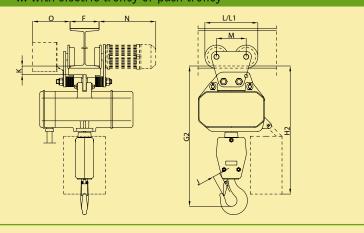
Three phase electric chain hoists 125 kg – 2000 kg

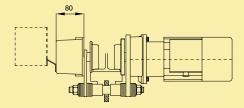
Version 1-5.1





... with electric trolley or push trolley





Three phase electric chain hoists 125 kg — 2000 kg

Please note:

- Power supply 400 V, 3 ph, 50 Hz
- Protection class IP54 / Insulation class F
- Different voltage and frequency options available on request
- Control cable 1.5 m supplied as standard
- Height of lift 3 m supplied as standard, the hoist weight has been calculated for 3 m height of lift, hoist weight will increase by approximatly 2 kg if low voltage control is required
- Different heights of lift and control cable lengths available on request
- For lifting heights greater than 20 m a reduction to the safe working load must be made for the additional weight of chain

The technical data mentioned in the tables are approximate and subject to change.

Counter weights might be required for double speed trolleys for special combinations of load capacity, flange width and type of control (max. weight 9.4 kg).

Trolley capacity	Minimum radius of beam
up to 1000 kg	1.0 m
up to 3200 kg	1.5 m









LIFTKET electric chain hoists are known for their low headroom design to provide a maximum lifting height, their helical gears with very quiet run made from high quality alloy steel and their low weight due to the very durable aluminium casing. They are available with suspension eye, hook suspension, with push trolleys or electric trolleys.

										_													T . III	_	T	T	.,						1 - 7			
Capa-	Version	Model	Lifting	Num-	Duty group	Dimension	Lifting motor	Duty rate starts/hour	Α	Direct	Low	С	D	E	G	GI	G2	н	HI	H2	J	JI	Trolley type	Flange	Travelling speed	Travelling motor	K	L	L	M	for travelling	0 for low	Dia- meter		Weights	S
City			эрсси	of	FEM	load chain	motor	Star ts/110ar		control													3,50	width	Specia			a	olley	/ /	speed	voltage contro		LIFTKET-	Push	Electric
				load	9.511	DIN 5684					control																	h troll	Stric to	/ /	1	only	the	Basic	trolley	trolley
				chain																								Pus	Elec	/ /	1		wheels	version	4 /	
kg			m/min			mm	kW	ED%/S/h	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	m/min	kW	mm	mm	mm	mm	mm (m/min)	mm	mm	kg	kg	kg (m/min)
125	125/1-8	1/00A	8	1	2m	4x12	0.18	40/240	188	167	230	145	58	27	345	424	391	369	448	415	20	22	500											15		
150	150/1-24	2/53D	24	1	2m	5x15	1.1	40/240	260	199	246	200	58	27	385	464	431	496	581	548	20	22	500											26		
250	250/2-4	1/00A	4	2	2m	4x12	0.18	40/240	188	167	230	145	58	27	372	451	418	369	448	415	22	22	500 N	50-106										16		
	250/1-6	1.1/00B	6	1	1Bm	4x12	0.27	25/150	188	172	235	145	58	27	345	424	391	369	448	415	20	22	500	110-200	16 or 25	0.12 0.12			07.6	110	220 (16 25)	,	7.0	15		15 (16 25
	250/1-8/2	3/00G	8/2	1	2m	5x15	0.6/0.1	60/25/240	260	199	246	200	58	27	385	464	431	496	581	548	20	22	500 51	210-300	or 5/20	0.04/0.18	33	200	216	112	292 (5/20)	142	70	26	8	18 (5/20)
	250/1-12	2/00D	12	1	2m	5x15	0.75	40/240	260	199	246	200	58	27	385	464	431	496	581	548	20	22	500	210-300										26		
	250/1-16	2/50D	16	1	2m	5x15	1.1	40/240	260	199	246	200	58	27	385	464	431	496	581	548	20	22	500											26		
																							N	66-135	14 0# 25	0.12 0.12	38				220 (16 25)				/	17 (16 25
	250/1-16/4	5/50I	16/4	1*	2m	5x15	1.1/0.2	40/10/240	260	199	246	245	58	30	385	464	445	501	600	557	20	28	1000 S1	137-215	or 5/20	0.12 0.12	36	200	216	112	292 (5/20)	146	70	36	10	19 (5/20)
																							S2	220-300	01 5/20	0.04/0.16	34.5				292 (5/20)				4	19 (3/20)
300	300/2-12	2/53D	12	2	2m	5x15	1.1	40/240	260	199	246	200	58	27	438	517	484	496	581	548	22	22	500											28		
500	500/2-3	1.1/00B	3	2	1Bm	4x12	0.27	25/150	188	172	235	145	58	27	372	451	418	369	448	415	22	22	500 N	50-106	1705	0.2010.20					000 (7 (105			16	4	35 (3) (10)
	500/2-4/1	3/00G	4/1	2	2m	5x15	0.6/0.1	60/25/240	260	199	246	200	58	27	438	517	484	496	581	548	22	22	500 S1	110-200	1	0.12 0.12	33	200	216	112	220 (16 25)	142	70	28	8	15 (16 25
	500/2-6	2/00D	6	2	2m	5x15	0.75	40/240	260	199	246	200	58	27	438	517	484	496	581	548	22	22	500 S2	210-300	0r 5/20	0.04/0.18					292 (5/20)			28	4	18 (5/20)
	500/2-8	2/50D	8	2	2m	5x15	1.1	40/240	260	199	246	200	58	27	438	517	484	496	581	548	22	22	500											28	4	
	500/1-10	4/00H	10	1	2m	7x22	0.84	40/240	260	199	246	200	58	30	403	496	455	501	600	557	22	28	1000											30	4 /	
	500/1-10/2.5	5/00I	10/2.5	1	2m	7x22	1.1/0.2	40/10/240	260	199	246	245	58	30	403	496	455	501	600	557	22	28	1000											36	4	
1000	1000/2-5	4/00H	5	2	2m	7x22	0.84	40/240	260	199	246	200	58	30	496	589	548	501	600	557	28	28	1000											34	4 /	/
	1000/1-5	4.1/00J	5	1	1Bm	7x22	0.84	25/150	260	213	260	200	58	30	403	496	455	501	600	557	22	28	2000											31	4 /	/
	1000/2-5/1.25	5/00I	5/1.25	2	2m	7x22	1.1/0.2	40/10/240	260	199	246	245	58	30	496	589	548	501	600	557	28	28	1000 N	66-135	14 04 25	0.12 0.12	38				220 (14125) 146	7.0	39	4 /	27 (2 () 0 (
	1000/1-5/1.25	5.1/00K	5/1.25	1	1Bm	7x22	1.1/0.2	25/10/150	260	213	260	245	58	30	403	496	455	501	600	557	22	28	2000 S1	137-215		0.12 0.12	36	200	216	112	220 (16 25)	146	70	37	10	17 (16 25
	1000/1-10	4.2/00M	10	1	1Bm	7x22	2.2	25/150	260	213	260	245	58	30	403	496	455	501	600	557	22	28	2000 S2	220-300	01 3/20	0.04/0.16	34.5				292 (5/20)			37		19 (5/20)
2000	2000/2-2.5	4.1/00J	2.5	2	1Bm	7x22	0.84	25/150	260	213	260	200	58	30	496	589	548	501	600	557	28	28	2000											36	4	
	2000/2-2.5/0.6	5.1/00K	2.5/0.6	2	1Bm	7x22	1.1/0.2	25/10/150	260	213	260	245	58	30	496	589	548	501	600	557	28	28	2000										$\overline{}$	41		
	2000/2-5	4.2/00M	5	2	1Bm	7x22	2.2	25/150	260	213	260	245	58	30	496	589	548	501	600	557	28	28	2000										N A	41		

^{*} single fall only









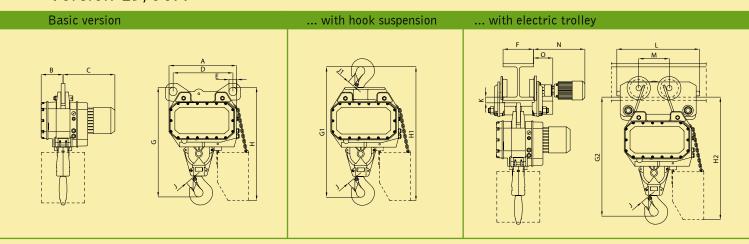






Three phase electric chain hoists 4000 kg – 25000 kg

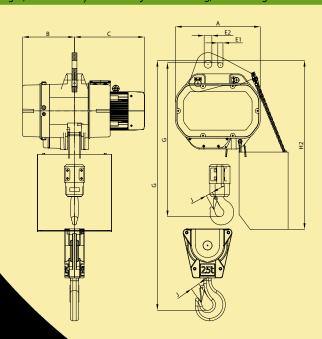
Version 13/00X



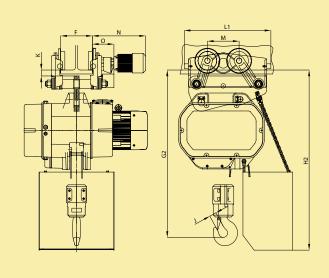


Model STAR 235/50

single/double fall, stationary - 12500kg/25000 kg



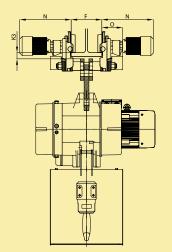
single fall, one electric trolley - 12500 kg

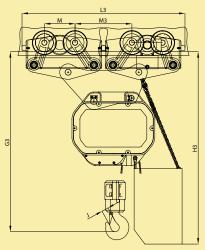


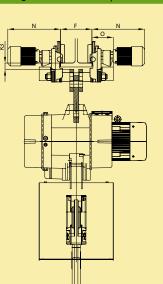


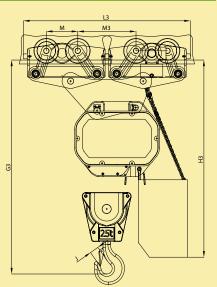
Capa- city	Version	Model	Lifting speed m/min	Num- bers of load falls	Duty group hoist FEM 9.511	Duty group load chain EN 818-7	Dimension of load chain DIN 5684-8	Lifting motor	Duty rate starts/hour	A I	3 C	D	E	E1 E2	G G1	G2	G3	H mm	H1 H	I2 H3 J	J1	Trolley type	F Flange width	Travelling speed m/min	Travelling motor	K	K3	L1	L3	M	M3	a for travelling N speed	a for low voltage o control only	Dia- meter of the wheels	STAR LIFTKET- Basic version kg	Weights 1 Electric trolley kg	2
Version 13/	/00X																																				
4000	4000/1-5.6/1.4	13/00X	5.6/1.4	1	2m	2m	16x45	6/1.3	60/40/240	564 1	84 434	500	66		823 995	903		957	1128 10)36 52	52	12500													224		
5000	5000/1-5.6/1.4	13/00X	5.6/1.4	1	1Am	1Am	16x45	6/1.3	60/40/180	564 1	84 434	500	66		823 995	903		957	1128 10)36 52	52	12500 N	140-230 220-310	4/16	0.12/0.55	44		700		256		430	171	150	224	137	274
6300	6300/1-5.6/1.4	13/00X	5.6/1.4	1	1Bm	1Bm	16x45	6.4/1.6	60/40/150	564 1	34 434	500	66		823 995	903		957]	1128 10	036 52	52	12500	220 510												224		
8000	8000/2-2.8/0.7	13/00X	2.8/0.7	2	2m	2m	16x45	6/1.3	60/40/240	564 1	34 434	500	66		917 1089	997		957	1128 10)36 52	52	12500													254		
STAR 235/5	50																									1 Electric trolley	2 Electric trolleys		2 Electric trolleys								
8000	8000/1-6.4/1.6	235/50	6.4/1.6	1	2m	2m	23.5x66	12.5/3.1	25/10/240	691 4	23 571			42	1193	1287	1438	1395	14	171 1622 54		12500 N S1	140-230 220-310	4/16	0.12/0.55	48	52	700	1359	256	474	430	171	150	554	137	274
Version 13/	/00X																																				
10000	10000/2-2.8/0.7	13/00X	2.8/0.7	2	1Am	1Am	16x45	6/1.3	60/40/180	564 1	84 434	500	66		917 1089	997		957]	1128 10	036 52	52	12500 N S1	140-230 220-310	4/16	0.12/0.55	44		700		256		430	171	150	254	137	274
STAR 235/5																										1											
	50																									Electric trolley	2 Electric trolleys	Electric I trolley	2 Electric trolleys								
	10000/1-6.4/1.6	235/50	6.4/1.6	1	1Am	1Am	23.5x66	12.5/3.1	25/10/180	691 4	23 571			42	1193	1287	1438	1395	14	171 1622 54		12500 N S1	140-230 220-310	4/16	0.12/0.55		Electric	trolley	Electric trolleys	256	474	430	171	150	554	137	274
10000	10000/1-6.4/1.6	235/50	6.4/1.6	1	1Am	1Am	23.5x66	12.5/3.1	25/10/180	691 4	23 571			42	1193	1287	1438	1395	14	1622 54		12500 N S1	140-230 220-310	4/16		trolley	Electric trolleys	trolley	Electric trolleys	256	474	430	171	150	554	137	274
10000 Version 13/	10000/1-6.4/1.6	235/50 13/00X	2.8/0.7	2	1Am	1Am	23.5x66		25/10/180				66	42	917 1089				1128 10			N	220-310	4/16		trolley	Electric trolleys	trolley	Electric trolleys	256	474		171	150	554	137	274
10000 Version 13/	10000/1-6.4/1.6 /00X 12500/2-2.8/0.7													42									220-310		0.12/0.55	trolley 48	Electric trolleys 52 2 Electric	700 1 Electric	Electric trolleys 1359		474						
10000 Version 13/ 12500 STAR 235/5	10000/1-6.4/1.6 /00X 12500/2-2.8/0.7		2.8/0.7				16x45	6.4/1.6		564 1		500	66	42		997			1128 10		52	N 12500 S1	220-310 140-230 220-310 140-230		0.12/0.55	48 44 1 Electric	Electric trolleys 52	700 700 1 Electric trolley	2 Electric trolleys	256	474	430					
10000 Version 13/ 12500 STAR 235/5	10000/1-6.4/1.6 /00X 12500/2-2.8/0.7	13/00X		2	1Bm	18m	16x45 23.5x66	6.4/1.6	60/40/150	564 1	34 434	500	66		917 1089	997		957 1	1128 10	036 52	52	N 12500 S1	220-310 140-230 220-310 140-230	4/16	0.12/0.55	48 44 1 Electric trolley	52 2 Electric trolleys	700 700 1 Electric trolley	2 Electric trolleys	256		430	171	150	254	137	274
10000 Version 13/ 12500 STAR 235/5 12500 16000	10000/1-6.4/1.6 //00X 12500/2-2.8/0.7 50 12500/1-6.4/1.6	13/00X 235/50	2.8/0.7 6.4/1.6	2	1Bm	18m	23.5x66 23.5x66	12.5/3.1 12.5/3.1	60/40/150	564 1 691 4 691 4	34 434 23 571	500	66	42 63	917 1089	997	1438	957 1 1395	1128 10	52 171 1622 54	52	N 12500 S1 N 12500 S1	220-310 140-230 220-310 140-230	4/16	0.12/0.55	48 44 1 Electric trolley	52 2 Electric trolleys	700 700 1 Electric trolley 700	2 Electric trolleys 1359 2 Electric trolleys 1359	256	474	430	171	150	254	137	274

single fall, two electric trolleys – 12500 kg, for conversion to 25000 kg double fall, two electric trolleys – 25000 kg









Three phase electric chain hoists 4000 kg – 25000 kg Version 13/00X + STAR 235/50

Please note:

- Power supply 400 V, 3 ph, 50 Hz
- Version 13/00X Protection class IP54
- STAR 235/50 Protection class IP55
- Insulation class F
- Different voltage and frequency options are available
 Equipped with 24 V low voltage control as standard
- Electric limit switches
- Control cable 1.5 m supplied as standard
- Height of lift 3 m supplied as standard, the hoist weight has been calculated for 3 m height of lift
- Different heights of lift and control cable lengths available
- For lifting heights greater than 10 m a reduction to the safe working load must be made for the additional weight of chain

Remark: The standard trolleys of these hoist versions are not suitable for curved runway beams.

The technical data mentioned in the tables are approximate and subject to change.





LIFTKET

Electric chain hoists for special applications

The list of options ist quite long. All our hoists are available with either direct or low voltage control; many with encoders, electromechanical load sensors, double brakes and variable speed (frequency controls). These are only a few examples of the special accessories available.

LIFTKET electric chain hoists with three phase motors for use at stages and in studios

Electric chain hoists for use at stages or in studios incorperate highly specialised solutions and are usually modified for the required application which may vary from customer to customer and from market to market. To list all the possible modifications would exceed the space of this brochure. Would you please send your requirements to receive your detailed offer.

A) Electric chain hoists acc. to German standard BGV D8

- → Capacity from 125 kg up to 12500 kg with single fall load chain and different speed variations (please send your requirements)
- → One brake
- Most models are available for upright and for inverted use as well
- → Available with direct or low voltage control
- Hoists can be combined with controls of different makes, internal planetary gear limit switches, incremental encoders or low voltage control can be ordered optionally

B) Electric chain hoists acc. to German standard VPLT SR 2.0 D8plus or BGV C1

- → Capacity from 125 kg up to 3000 kg with single fall load chain and different speed variations (please send your requirements)
- → Double brake
- → Most models are available for upright and for inverted use as well
- → Electric chain hoists acc. to VPLT SR 2.0 D8plus are available with direct or low voltage control. Hoists acc. to BGV C1 are to be equipped with low voltage control, special four position internal planetary gear limit switches, mechanical slack chain prevention or electronic underload and overload protection.
- → Incremental encoder can be ordered optionally



Electric chain hoist with internal planetary gear limit switch and double brake







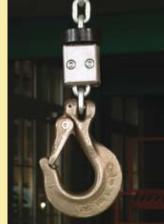
The STAR LIFTKET with two load chains is currently 600 mm-2000 mm (standard) or 2000 mm-5000 mm



Hoists for bigger lifting heights



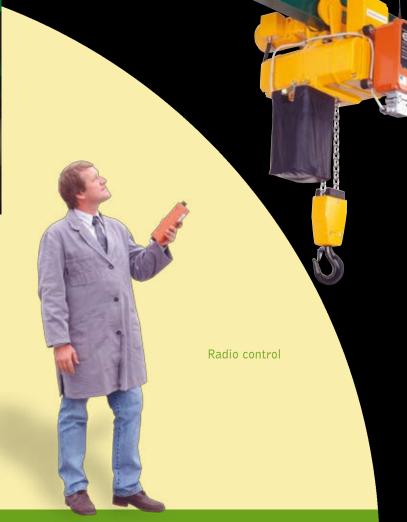
Super-short headroom design based on version B13, capacity 10 tons in this case



Chains and hooks made from stainless steel



Special pendant to control two hoists



to lift long loads synchronously.

available up to 2 x 250 kg, with a hook to hook distance (optional). The data sheet is available on request.



Remark: Our electric chain hoists are available with cULus certificate (for USA and Canada). Some parts

and the prices may vary from the EU-Standard versions.

STAR LIFTKET single phase electric chain hoists 125 kg — 2000 kg

(detail drawings page 4-6)

Capa- city	Version	STAR- Model	Lifting speed	Num- bers of load falls	Duty group hoist FEM 9.511	Duty group load chain EN 818-7	Dimension of load chain DIN 5684-8	Lifting motor	Duty rate starts/hour	Α	В	С	D	E	G G	L G2	2 1	н	H1	H2 knolley	J	J1	Trolle type	,	F Flange width	К	Push trolley	M	for low voltage control only	Dia- meter of the wheels	STAR LIFTKET- Basic version	ghts Push trolley
kg			m/min				mm	kW	ED%/S/h	mm	mm	mm	mm	mm	mm m	n mr	m m	ım n	nm	mm	mm	mm			mm	mm	mm	mm	mm	mm	kg	kg
125	125/1-24	050/01	24	1	3m	2m	5.2x15	0.55	40/240	266	232	274	58	30	390 46	2 43	36 4	49 5	522	505	20	22	500								33	
250	250/1-8	020/01	8	1	2m	1Bm	4x12	0.35	40/240	212	192	218	58	27	354 43	2 40)1 4	09 4	87	456	20	22	500	N	50-106	33	200	110	140	70	17	0
	250/2-12	050/01	12	2	3m	2m	5.2x15	0.55	40/240	266	232	274	58	30	443 5.	5 48	39 4	49 5	522	505	22	22	500	S1	110-200 210-300	22	200	112	142	70	35	0
500	500/2-4	020/01	4	2	2m	1Bm	4x12	0.35	40/240	212	192	218	58	27	407 48	5 45	54 4	09 4	87	456	22	22	500								19	
	500/1-8	050/02	8	1	1Am	1Bm	5.2x15	0.7	40/240	266	232	274	58	30	390 46	2 43	36 4	49 5	22	505	20	22	1000								33	
	500/1-10	070/02	10	1	2m	2m	7.2x21	1.1	40/240	266	232	274	58	30	404 49	2 46	50 4	51 5	39	507	22	28	1000								36	
1000	1000/2-4	050/02	4	2	1Am	1Bm	5.2x15	0.7	40/240	266	232	274	58	30	443 5	5 48	39 4	49 5	22	505	22	22	1000	N	66-135 137-215	38 36	200	112	7.47	70	35	10
	1000/2-5	070/02	5	2	2m	2m	7.2x21	1.1	40/240	266	232	274	58	30	514 58	2 57	70 5	11 5	99	567	28	28	1000	S2	220-300		200	112	146	/0	41	10
	1000/1-6	070/01	6	1	1Am	1Bm	7.2x21	1.1	40/240	266	232	274	58	30	404 49	2 46	50 4	51 5	39	507	22	28	2000	02		J5					36	
2000	2000/2-3	070/01	3	2	1Am	1Bm	7.2x21	1.1	40/240	266	232	274	58	30	514 58	2 57	70 5	11 5	99	567	28	28	2000								41	

- Power supply 230 V, 1 ph, 50 Hz
 Protection class IP55 / insulation class F
 Control cable 1.5 m supplied as standard
 Height of lift 3 m supplied as standard,
- For lifting heights greater than 20 m a reduction to the safe working load must be made for the additional weight of chain.

are approximate and subject to change.

All the advantages of the standard STAR LIFTKET chain hoists are incorporated in the models with single phase motors, the special safety clutch/brake system and the low headroom. These hoists are designed for construction sites and places without a three phase power supply. Due to the excellent thermal performance of the motor a high duty rate and longer lifting heights are possible. All single phase electric chain hoists require a minimum diameter of 2.5 sq. mm for the power and control cable for trouble-free operation. The power supply cable should be as short

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Single bolt push and electric trolleys as light crane components

LIFTKET push and electric trolleys are robust, durable and all-round applicable light crane components

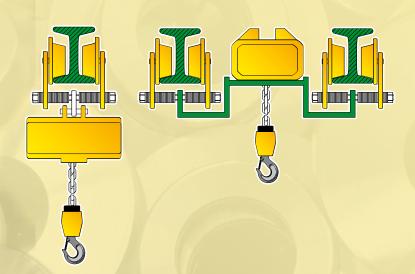




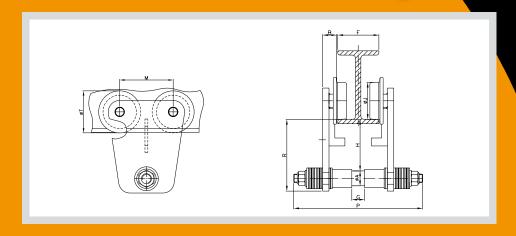
- → All wheels are equipped with roller bearings and wearresistant surface, the higher capacity wheels being case-hardened
- → Suitable for use on parallel and tapered flanges
- → The electric trolley motor is protected to IP54
- → All trolleys are equipped with safety drop stop
- → All parts are virtually maintenance free
- → All the electric trolleys are equipped with our robust electromagnetic disk brake
- → All bolts, distance tubes and spacing washers are galvanized for better corrosion protection

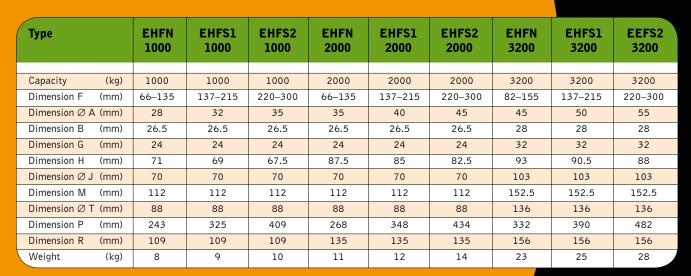
LIFTKET crane trolleys for underslung cranes allow two options to design the crane:

A standard headroom monorail crane and a double girder crane including the foot mounted hoist for improved headroom.



Single bolt push trolleys Technical data





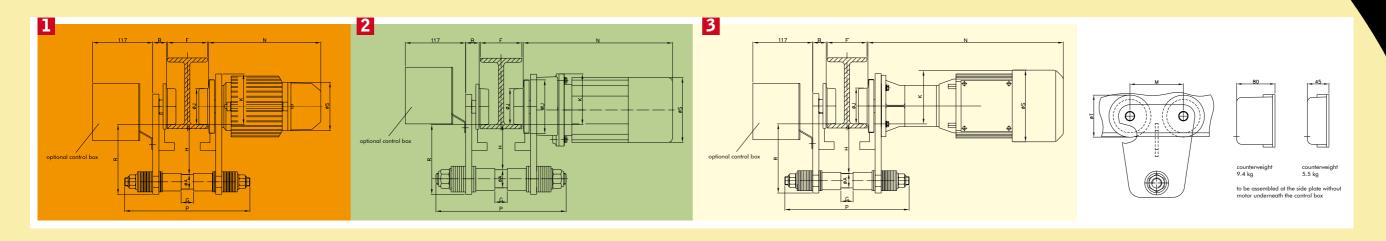
Туре	EHFN 5000	EHFS1 5000	EHFS2 5000	EHFN 6300	EHFS1 6300	EHFS2 6300
0 11 (1)						
Capacity (kg)	5000	5000	5000	6300	6300	6300
Dimension F (mm)	90–115	160–226	240–300	90–115	160-226	240–300
Dimension Ø A (mm)	50	55	63	50	55	63
Dimension B (mm)	41	41	41	41	41	41
Dimension G (mm)	35	35	35	35	35	35
Dimension H (mm)	95	92.5	88.5	95	92.5	88.5
Dimension \varnothing J (mm)	122	122	122	122	122	122
Dimension M (mm)	191	191	191	191	191	191
Dimension Ø T (mm)	160	160	160	160	160	160
Dimension P (mm)	345	414	496	345	414	496
Dimension R (mm)	170	170	170	170	170	170
Weight (kg)	44	45	49	44	45	49



TIME

Single bolt electric trolleys Technical data

For your underslung crane with capacities up to 6300 kg we recommend to use our STAR LIFTKET electric chain hoist.



Туре		EEFN 1000	EEFS1 1000	EEFS2 1000	EEFN 2000	EEFS1 2000	EEFS2 2000	EEFN 3200	EEFS1 3200	EEFS2 3200	EEFN 5000	EEFS1 5000	EEFS2 5000	EEFN 6300	EEFS1 6300	EEFS2 6300
Speed	(m/min)	1 16 or 25	16 or 25	16 or 25	16 or 25	16 or 25	1 16 or 25	3 5+20	3 5+20	3 5+20	3 4+16	3 4+16	3 4+16	3 4+16	3 4+16	3 4+16
Motor output	[kW]	[0.12]	[0.12]	[0.12]	[0.12]	[0.12]	[0.12]	[0.04/0.18]	[0.04/0.18]	[0.04/0.18]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]
		2 5+20	2 5+20	2 5+20	2 5+20	2 5+20	2 5+20	7.5+30	3 7.5+30	3 7.5+30						
		[0.04/0.18]	[0.04/0.18]	[0.04/0.18]	[0.04/0.18]	[0.04/0.18]	[0.04/0.18]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]						
		7.5+30	3 7.5+30	I - I	3 7.5+30	3 7.5+30	3 7.5+30									
		[0.06/0.25]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]	[0.06/0.25]									
Capacity	(kg)	1000	1000	1000	2000	2000	2000	3200	3200	3200	5000	5000	5000	6300	6300	6300
Dimension F	(mm)	66–135	137–215	220–300	66–135	137–215	220–300	82–155	137–215	220–300	90–155	160-226	240–300	90–155	160-226	240–300
Dimension Ø A	(mm)	28	32	35	35	40	45	45	50	55	50	55	63	50	55	63
Dimension B	(mm)	26.5	26.5	26.5	26.5	26.5	26.5	28	28	28	41	41	41	41	41	41
						192	192	356	356	356	3 407	3 407	3 407	3 407	3 407	3 407
Dimension N	·····/					264	2 264	356	356	356						
			3 356			3 356	3 356									
Dimension G	(mm)	24	24	24	24	24	24	32	32	32	35	35	35	35	35	35
Dimension H	(mm)	71	69	67.5	87.5	85	82.5	93	90.5	88	95	92.5	88.5	95	92.5	88.5
Dimension Ø J	(mm)	70	70	70	70	70	70	103	103	103	122	122	122	122	122	122
		_	1 98			1 98	98	3 122	3 122	3 98	3 141	3 141	3 141	3 141	3 141	3 122
Dimension K	(mm)	_	2 101	_	_	2 99	2 99	3 122	3 122	3 98						
		_	3 122		_	3 122	3 122									
Dimension Ø T	(mm)	88	88	88	88	88	88	136	136	136	160	160	160	160	160	160
Dimension Ø U	(mm)	104	104	104	104	104	104	141	141	141	160	160	160	160	160	160
Dimension M	(mm)	112	112	112	112	112	112	152.5	152.5	152.5	191	191	191	191	191	191
Dimension P	(mm)	243	325	409	268	348	434	332	390	482	345	414	496	345	414	496
Dimension R	(mm)	109	109	109	135	135	135	156	156	156	170	170	170	170	170	170
			1 94		94	1 94	94	3 140	3 140	3 140	3 140	3 140	3 140	3 140	3 140	3 140
Dimension ∅ S	ļ.	_			_	2 126	2 126	3 140	3 140	3 140						
		3 140	3 140	_		3 140	3 140		_	_	_					_
			1 17	_		20	21	3 36	3 38	3 41	3 61	3 63	3 67	3 61	3 63	3 67
Weight	(kg)	_	_			2 22	2 23	3 35	3 37	3 40						
	ļI	3 20	3 21	3 22	3 22	3 24	3 25									

LIFTKET

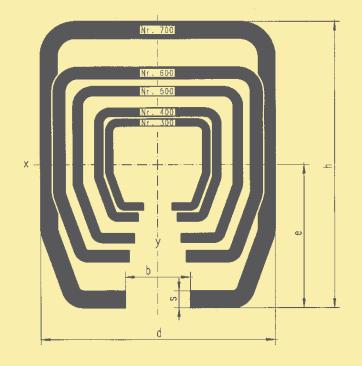






Advantages

- → Easy to install, using standard fastener sets
- A great variety of special parts available including curved rails, turntables, switches, single and double girder crane bridges and fastening equipment
- → Taylor made solutions available
- → Galvanised or black finish available
- → Once the system has been installed it can be upgraded or extended at any time



LIFTKET monorail and light crane system





The LIFTKET monorail profiles are available made from either \$235JR material (standard steel) or 1.4301 material (stainless steel except type 600 and 700). Standard steel profiles are in stock with black surface or galvanised. The max. length of each profile is 6 m. Please note, when planning the system: The max. load per meter of monorail has to be checked, especially for buffer sections of the monorail system.

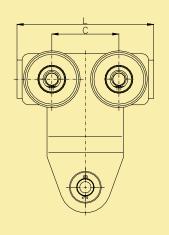
Monorail profile 300 - 700

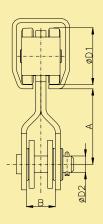
Profile	Н	d	b	S	Wx	Ix	e	Weights	Capacity
	mm	mm	mm	mm	cm³	cm⁴	mm	kg/m	kg*
No. 300	35	40	11	2.75	2.52	5.02	19.9	2.52	100
No. 400	43.5	48.5	15	3.2	4.4	10.93	24.8	3.57	200
No. 500	60	65	18	3.6	10.07	34.08	33.8	5.63	500
No. 600	75	80	22	4.5	19.76	83.08	42	8.77	1000
No. 700	110	90	25	6.5	51.68	312.71	60.5	16.46	1600

^{*} Capacity per meter with a suspension distance 1 m

Monorail trolleys for use on the LIFTKET monorail system

Dimension			Trolley ty		
		1418	1518	1618	1718
Profile No.		400	500	600	700
L	[mm]	100	130	150	214
С	[mm]	52	66	75	105
А	[mm]	65	76	91.5	117
Diameter 1	[mm]	34	48	60	89
Diameter 2	[mm]	16	20	22	26
В	[mm]	30	35	35	45
Load	[kg]	125	250	500	1000





Bretteville Taljer & Maskiner AS Griniveien 159 1359 Eiksmarka

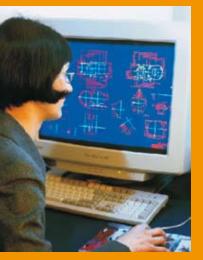
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