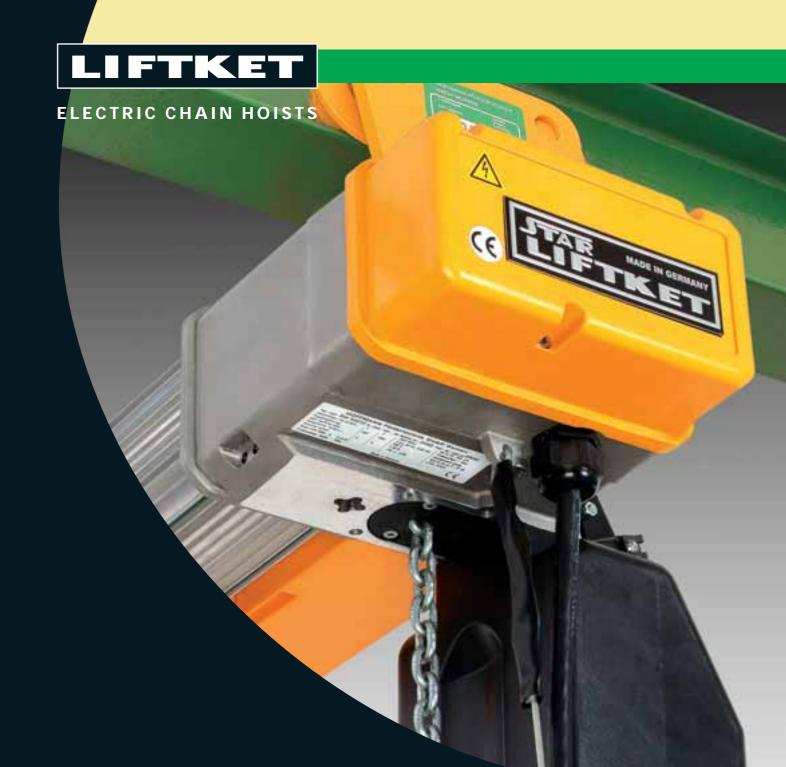
### HOFFMANN Fördertechnik GmbH Wurzen



#### LIFTKET

# Innovative electric chain hoists – Milestones on the way to success

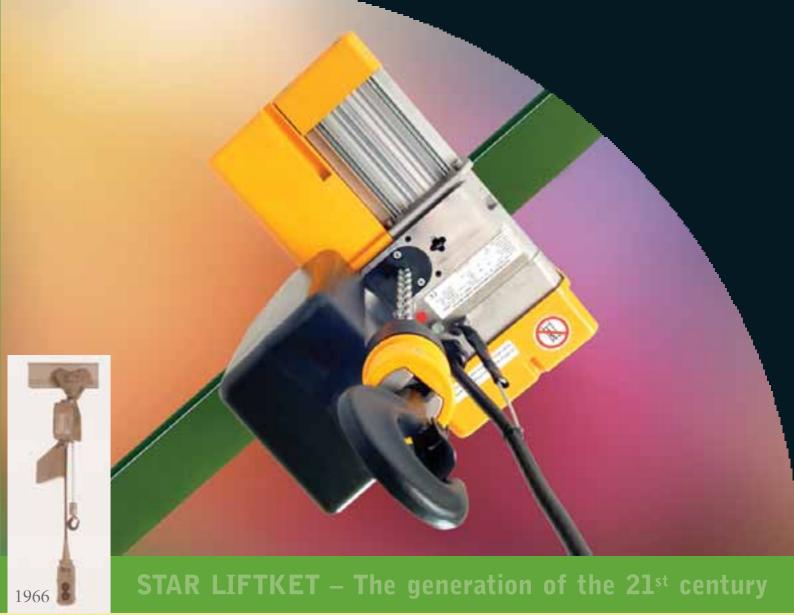








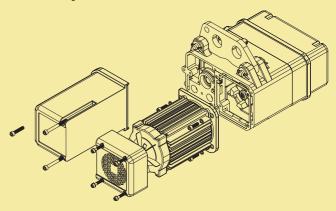
The initial design of the LIFTKET has shown the change to low headroom hoists by placing the motor and the gear on one horizontal level as the first electric chain hoist on the market. The LIFKET was the first chain hoist to introduce the special patented clutchbrake system with no chance of a load slip if the clutch is damaged or worn. The perfection of the STAR LIFKET clutch-brake system has no comparison around the globe today.



#### Special advantages

- High duty rate especially for areas with tropical climate
- Extremely maintenance free design with easy access to all wearing parts and changeability without need of special tools. This was achieved by following the module concept. Motor, oil filled and sealed gearbox and brake are replaceable and ready for operation without any adjustment. Only the clutch would have to be adjusted.
- Fan cooled hoisting motor with cooling ribs designed for the STAR LIFTKET gearbox contour
- Use of first class materials are to grant and increase the quality and liability for all the parts and the technology. This was achieved by performing a long term test procedure in our laboratories. The proofed life cycle of the parts exceeds the FEM requirements for the specific duty groups.
- Advanced safety by implementing of a new, patented clutch-brake system. This was achieved by further development of the idea well known from LIF TKET, which means not to have any sliding connections between load and brake. All clutch liners are asbestos free.

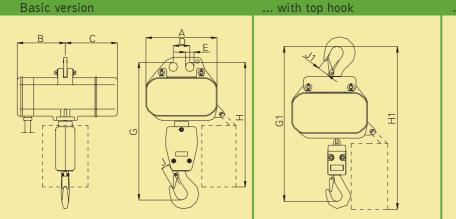
- Make a change from one chain fall to two or counter wise is very easy, fast and save (patented solution)
- Fixing of the 2<sup>nd</sup>chain fall with absolutely safe and easy handling (patented solution)
- Modern shape and design
- Compact and durable Aluminium gearbox with low weight

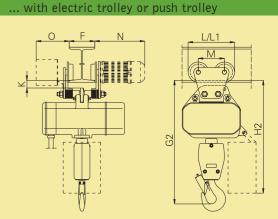




### Three phases electric chain hoists 125 kg – 12500 kg

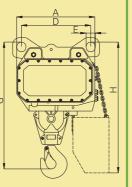
Version 1/00A -9.1/00S

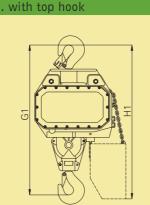


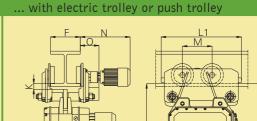


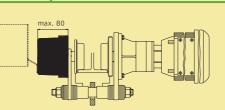
#### Version 13/00X











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).

Curve radius Trolley capacity	min. curve radius
up to 1000 kg	1.0 m
up to 3200 kg	1.5 m
up to 6300 kg	2.0 m

Remark: For model 13/00X a curve radius is not allowed.

#### Please note:

- Power supply 400 V, 3 ph, 50 Hz
- Protection class IP54 / Insulation class F
- Different voltage and frequency options available on request
- Hoist weight will increase by approximatly 2 kg if low voltage control is required
- The hoist weight has been calculated for 3 m height of lift
- Control cable 1.5 m supplied as standard
- Height of lift 3.0 m supplied as standard
- Different heights of lift and control cable lengths available on request
- If heights of lift increases beyond 20 m, SWL (Safe Working Load) has to be reduced by the additional weight of the chain
- Low voltage control will be supplied as standard on version 8.1/9.1 and 13

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







Capa- city	Version	Model	Lifting speed	Num- ber of load chain	Duty group FEM 9.511	Dimension of load chain DIN 5684	Lifting motor	Duty rate starts/hour	А	B Direct control	B Low voltage control	С	D	E	G	G1	G2	Н
kg			m/min			mm	kW	ED%/S/h	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
125	125/1-8	1/00A	8	1	2m	4x12	0.18	40/240	188	167	230	145	58	27	345	424	391	369
150	150/1-24	2/53D	24	1	2m	5x15	1.1	40/240	260	199	246	200	58	27	385	464	431	496
250	250/2-4 250/1-6	1/00A 1.1/00B	6	2	2m 1Bm	4x12 4x12	0.18	40/240 25/150	188	167 172	230	145 145	58	27	372 345	451 424	418 391	369 369
	250/1-8/2	3/00G	8/2	1	2m	5x15	0.6/0.1	60/25/240	260	199	235	200	58 58	27	385	464	431	496
	250/1-12	2/00D	12	1	2m	5x15	0.75	40/240	260	199	246	200	58	27	385	464	431	496
	250/1-16	2/50D	16	1	2m	5x15	1.1	40/240	260	199	246	200	58	27	385	464	431	496
	250/1-16/4	5/501	16/4	1*	2m	5x15	1.1/0.2	40/10/240	260	199	246	245	58	30	385	464	445	501
300	300/2-12	2/53D	12	2	2m	5x15	1.1	40/240	260	199	246	200	58	27	438	517	484	496
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
	500/2-4/1 500/2-6	3/00G 2/00D	6	2	2m 2m	5x15 5x15	0.6/0.1	60/25/240 40/240	260 260	199	246	200	58 58	27	438 438	517 517	484 484	496 496
	500/2-8	2/50D	8	2	2m	5x15	1.1	40/240	260	199	246	200	58	27	438	517	484	496
	500/1-10	4/00H	10	1	2m	7x22	0.84	40/240	260	199	246	200	58	30	403	496	455	501
	500/1-10/2.5	5/001	10/2.5	1	2m	7x22	1.1/0.2	40/10/240	260	199	246	245	58	30	403	496	455	501
1000	1000/2-5	4/00H	5	2	2m	7x22	0.84	40/240	260	199	246	200	58	30	496	589	548	501
	1000/1-5	4.1/00J	5	1	1Bm	7x22	0.84	25/150	260	213	260	200	58	30	403	496	455	501
	1000/2-5/1.25	5/00I 5.1/00K	5/1.25 5/1.25	1	2m 1Bm	7x22 7x22	1.1/0.2	40/10/240 25/10/150	260	199 213	246	245 245	58 58	30	496	589 496	548 455	501 501
	1000/1-5/1.25	7/000			IFTKET see		1.1/0.2	23/10/130	200	217	200	243	70	00	100	470	433	301
	1000/1-8	6/00L			IFTKET see		I			1		I	ı	1			I	
	1000/1-10	4.2/00M	10	1	1Bm	7x22	2.2	25/150	260	213	260	245	58	30	403	496	455	501
	1000/1-10/2.5	7.2/00T	available a	as STAR L	IFTKET see	page 9/10												
	1000/1-16	6/51L	available a	as STAR L	IFTKET see	page 9/10												
1600	1600/1-10	6.1/00P	available a	as STAR L	IFTKET see	page 9/10												
	1600/1-6/1.5	7.1/00N			IFTKET see													
2000	2000/2-2.5		2,5				0.04	25/250	240	012	2/0	200	50	20	407	500	540	503
2000	2000/2-2.5	4.1/00J 5.1/00K	2.5/0.6	2	1Bm 1Bm	7x22 7x22	1.1/0.2	25/150 25/10/150	260	213	260	200	58 58	30	496 496	589 589	548 548	501 501
		012,0011		_				20,20,200							',	,		
	2000/2-3/0.75	7/000	available a	as STAR L	IFTKET see	page 9/10												
	2000/2-4	6/00L	available a	as STAR L	IFTKET see	page 9/10												
	2000/2-5	4.2/00M	5	2	1Bm	7x22	2.2	25/150	260	213	260	245	58	30	496	589	548	501
	2000/2-5/1.25	7.2/00T	available a	as STAR L	IFTKET see	page 9/10												
	2000/2-8	6/51L	available a	as STAR L	IFTKET see	page 9/10												
2500	2500/1-4	8.2/50U	available a	as STAR L	IFTKET see	page 9/10												
	2500/1-8	8.1/00R	available a	as STAR L	IFTKET see	page 9/10												
	2500/1-8/2.5	9.1/00\$			IFTKET see													
3200	3200/2-5 3200/2-3/0.75	6.1/00P 7.1/00N			IFTKET see													
	3200/1-7	8.1/52R	available a	as STAR L	IFTKET see	page 9/10												
4000	4000/1-5.6/1.4	13/00X	5.6/1.4	1	2m	16x45	6/1.3	60/40/240	564	184	184	434	500	66	823	995	903	957
5000	5000/2-2	8.2/50U			IFTKET see													
	5000/2-4	8.1/00R			IFTKET see													
	5000/2-4/1.25 5000/1-5.6/1.4	9.1/00S 13/00X	available a	as STAR L	IFTKET see	page 9/10 16x45	6/1.3	60/40/180	564	184	184	434	500	66	823	995	903	957
6300	6300/1-5.6/1.4	13/00X 13/00X	5.6/1.4	1	1Am	16x45	6.4/1.6	60/40/180	564	184	184	434	500	66	823	995	903	957
3300	6300/2-3.5	8.1/52R			IFTKET see		0. 1/1.0	00,70,100	301	201	104	154	300	- 00	323	,,,,	,,,,,	,51
8000	8000/2-2.8/0.7	13/00X	2.8/0.7	2	2m	16x45	6/1.3	60/40/240	564	184	184	434	500	66	917	1089	997	957
10000	10000/2-2.8/0.7		2.8/0.7	2	1Am	16x45	6.4/1.6	60/40/180	564	184	184	434	500	66	917	1089	997	957
12500	12500/2-2.8/0.7	13/00X	2.8/0.7	2	1Bm	16x45	6.4/1.6	60/40/150	564	184	184	434	500	66	917	1089	997	957

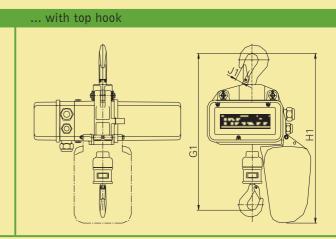
<sup>\*</sup> single fall only

H1	H2	J	J1	Trolley type	F Flange	Travelling speed	Travelling motor	К	L	L1	M	N (for travelling		Dia- meter		Weights	51.11
					width				Push trolley	Electric trolley		speed)	voltage control only)	of the wheels	LIFTKET- Basic version	Push trolley	Electric trolley
mm	mm	mm	mm		mm	m/min	kW	mm	mm	mm	mm	mm (m/min)	mm	mm	kg	kg	kg
448	415	20	22	500											13		
581	548	20	22	500											25		
448	415 415	22	22	500 N	50-106	17 25	0.1010.10					000 (3 ( 105)			14		12 (1(   25)
448 581	548	20	22	500 S1	110-200	16 or 25 or 5/20	0.12   0.12   0.04/0.18	33	200	216	112	220 (16   25) 275 (5/20)	142	70	13 26	8	13 (16   25) 18 (5/20)
581	548	20	22	500 S2	210-300	01 3/20	0.0 1/0.10					213 (3/20)			25		10 (5/20)
581	548	20	22	500											25		
600	557	20	28	N 1000 S1 S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12   0.12 0.04/0.18	38 36 34.5	200	216	112	220 (16   25) 275 (5/20)	146	70	36	10	13 (16   25) 18 (5/20)
581	548	22	22	500											27		
448	415	22	22	500 N	50-106	16 or 25	0.12 0.12					220 (16 25)	1.40		14		13 (16   25)
581 581	548 548	22	22	500 S1 500 S2	110-200 210-300	or 5/20	0.04/0.18	33	200	216	112	275 (5/20)	142	70	28 27	8	18 (5/20)
581	548	22	22	500 52	210-000										27		
600	557	22	28	1000											30		
600	557	22	28	1000 N	66-135			38							36		
600	557	28	28	1000	137-215	16 or 25	0.12   0.12	36	200	216	112	220 (16   25)	146	70	34	10	13 (16   25)
600	557	22	28	2000 S2	220-300	or 5/20	0.04/0.18	34.5				275 (5/20)			31		18 (5/20)
600	557 557	28	28 28	2000											39 37		
550	331		20	2000		<u> </u>	I					1			,		
				1			T			I	I						
	F. F. F.	0.0	0.0	N 2000 S1	66-135 137-215	16 or 25	0.12 0.12	38 36	200	216	112	220 (16 25)	146	70	27	10	13 (16   25)
600	557	22	28	2000 S1 S2	220-300	or 5/20	0.04/0.18	34.5	200	216	112	275 (5/20)	140	70	37	10	18 (5/20)
				52	220 700	<u> </u>	I	71.3	<u> </u>			1					
600	557	28	28	2000 N	66-135		0.1015	38							36		
600	557	28	28	2000 S1	137-215	16 or 25	0.12   0.12   0.04/0.18	36	200	216	112	220 (16   25)	146	70	41	10	13 (16   25)
				S2	220-300	or 5/20	0.04/0.10	34.5				275 (5/20)					18 (5/20)
				N	66-135			38									
600	557	28	28	2000 S1	137-215	16 or 25	0.12   0.12	36	200	216	112	220 (16   25)	146	70	41	10	13 (16   25)
				S2	220-300	or 5/20	0.04/0.18	34.5				275 (5/20)					18 (5/20)
					-						1		-				
1128	1036	52	52	12500 N	140-230	4/16	0.12/0.55	44	_	700	256	430 (4/16)	171	150	180	115	137 (4/16)
				12300 S1	220-310												
1128	1036	52	52	12500 N	140-230	4/16	0.12/0.55	44	_	700	256	430 (4/16)	171	150	180	115	137 (4/16)
1128	1036	52	52	12500 S1	220-310	4/10	0.12/0.55	44		,,,,,	236	470 (4/10)	1/1	120	180	115	157 (4/16)
1128	1036	52	52	12500 N											199		
1128	1036	52	52	12500 N	140-230	4/16	0.12/0.55	44	_	700	256	430 (4/16)	171	150	199	115	137 (4/16)
1128	1036	52	52	12500 S1	220-310										199		



# STAR LIFTKET Three phases electric chain hoists 125 kg – 6300 kg

# Basic version



# ... with electric trolley or push trolley

Three phases electric chain hoists 125 kg - 6300 kg

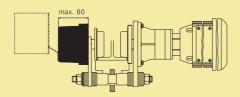
#### Please note:

- Power supply 400 V, 3 ph, 50 Hz
- Protection class IP55 / insulation class F
- Different voltage and frequency options available on request
- Hoist weight will increase by approximatly 2 kg if low voltage control is required
- The hoist weight has been calculated for 3 m heights of lift
- Control cable 1.5 m supplied as standard
- Height of lift 3.0 m supplied as standard
- Different heights of lift and control cable lengths available on request
- If heights of lift increases beyond 20 m, SWL (Safe Working Load) has to be reduced by the additional weight of the chain
- STAR model 091/... (with 2 speeds) and 11... /...are equipped with 24 V low voltage control as standard
- STAR model 090/... are equipped with low voltage control as standard, direct control on request

The technical data mentioned in the tables are approximate and subjects 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).

Curve radius Trolley capacity	min. curve radius
up to 1000 kg	1.0 m
up to 3200 kg	1.5 m
up to 6300 kg	2.0 m





Capa- city	Version	STAR- Model	Lifting speed	Num- bers of load falls	Duty group hoist FEM	Duty group load chain	Dimension of load chain DIN	Lifting motor	Duty rate starts/hour	А	В	С	D	E	G	G1	G2	Н	Н1	H2	J	J1	Trolle type	
kg			m/min	Idiis	9.511	EN 818-7	5684-8 mm	kW	ED%/S/h	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
125	125/1-8	020/52	8	1	3m	2m	4x12	0.25	60/360	212	192	218	58	27	354	432	401	469	547	516	20	22	500	
	125/1-8/2	021/53	8/2	1	3m	2m	4x12	0.32/0.08	50/40/240	212	192	218	58	27	354	432	401	469	547	516	20	22	500	
	125/1-24 125/1-24/6	020/50 051/50	24/6	1	3m 3m	1Bm 2m	4x12 5.2x15	0.55	60/240 60/25/240	212 266	192 232	218 274	58 58	27 30	354 390	432 462	401 436	469 509	547 582	516 565	20	22	500 500	
160	160/1-6/1.5	021/52	6/1.5 4	1	3m	2m	4x12	0.32/0.08	40/25/240	212	192	218	58	27 27	354	432	401	469	547	516	20	22	500	
250	250/2-4 250/2-4/1	020/52 021/53	4/1	2	3m 3m	2m 2m	4x12 4x12	0.25	60/360 50/40/240	212	192 192	218 218	58 58	27	407 407	485 485	454 454	469 469	547 547	516 516	22	22	500	
	250/1-6 250/1-8	020/53	6 8	1	3m	2m 1Bm	4x12	0.55	60/240	212	192	218 218	58 58	27 27	354 354	432 432	401	469	547	516 516	20	22	500	N S1 1
	250/1-8/2	020/54	8/2	1	2m 2m	1Bm	4x12 4x12	0.32/0.08	60/240 40/25/240	212	192 192	218	58	27	354	432	401 401	469 469	547 547	516	20	22		S2 2
	250/1-12 250/2-12	030/50	12 12	2	2m 3m	2m 1Bm	5.2x15 4x12	0.55	60/240 60/240	212 212	192 192	218	58 58	27 27	354 407	432 485	401 454	469 469	547 547	516 516	20	22	500 500	
	250/1-12/3	051/52	12/3	1	3m	2m	5.2x15	0.6/0.1	40/10/240	266	232	274	58	30	390	462	436	509	582	565	20	22	500	
	250/2-12/3 250/1-18/4.5	051/50 051/55	12/3 18/4.5	2	3m 3m	2m 2m	5.2x15 5.2x15	0.6/0.1 1.1/0.2	60/25/240 60/25/240	266 266	232 232	274 274	58 58	30 30	443 390	515 462	489 436	509 509	582 582	565 565	22	22	500	
	250/1-24	050/52	24	1	3m	1Bm	5.2x15	1.1	60/240	266	232	274	58	30	390	462	436	509	582	565	20	22	500	
320	320/2-3/0.75 320/1-10	021/52	3/0.75	2	3m 1Bm	2m 2m	4x12 5.2x15	0.32/0.08	40/25/240 40/240	212 212	192 192	218	58 58	27 30	407 354	485 432	454 410	469 469	547 547	516 516	22	22	500 1000	N
400	400/1-10	050/53	10	1	1Am	1Bm	5.2x12	0.75	50/240	266	232	274	58	30	390	462	446	509	582	565	20	22	1000	S1 1 S2 2
500	500/2-3	020/53	3	2	3m	2m	4x12	0.55	60/240	212	192	218	58	27	407	485	454	469	547	516	22	22	500	
	500/2-4 500/2-4/1	020/54	4/1	2	3m 2m	1Bm 1Bm	4x12 4x12	0.55	60/240 40/25/240	212	192 192	218 218	58 58	27	407 407	485 485	454 454	469 469	547 547	516 516	22	22	500	N S1 1
	500/2-6	030/50	6	2	2m	2m	5.2x12	0.55	60/240	212	192	218	58	27	407	485	454	469	547	516	22	22	500	S2 2
	500/2-6/1.5	051/52	6/1.5	2	3m	2m	5.2x12	0.6/0.1	40/10/240	266	232	274	58	30	443	515	489	509	582	565	22	22	500	N
	500/1-8	030/52	8	1	1Bm	1Bm	5.2x12	0.55	40/240	212	192	218	58	30	354	432	410	469	547	516	20	22		\$1 1 \$2 2
	500/2-9/2.3 500/1-10	051/55 070/51	9/2.3	2	3m	2m	5.2x12 7.2x21	1.1/0.2	60/25/240	266	232	274	58 58	30 30	443	515 492	489 460	509 511	582 599	565 567	22	22	500	S1 1 S2 2
					2m	2m				266												28		N S1 1
	500/1-10/2.5 500/2-12	071/53	10/2.5	2	2m 3m	2m 1Bm	7.2x21 5.2x12	1.1/0.2	60/25/240	266 266	232	274	58	30	404	492 515	460 489	511	599 582	567 565	22	28		S2 2 N S1 1
630	630/2-5 630/1-10	030/53	5	2	1Bm 2m	2m 2m	5.2x15 7.2x21	0.55	40/240 60/240	212	192 232	218 274	58 58	30	407	485 492	463 460	469 511	547 599	516 567	22	22	1000	S2 2
800	800/2-5	050/53	5	2	1Am	1Bm	5.2x15	0.75	50/240	266	232	274	58	30	443	515	499	509	582	565	22	22	1000	S1 1 S2 2
1000	800/1-8 1000/2-4	070/54	4	2	2m 1Bm	2m 1Bm	7.2x21 5.2x15	0.55	60/240 40/240	266 212	232 192	274	58 58	30 30	404 407	492 485	460 463	511 469	599 547	567 516	22	28	2000 1000	
	1000/2-5	070/51	5	2	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	514	582	570	511	599	567	28	28	1000	N
	1000/2-5/1.25 1000/1-6	071/53 070/55	5/1.25 6	2	2m 1Am	2m 1Bm	7.2x21 7.2x21	1.1/0.2	60/25/240 40/240	266 266	232	274 274	58 58	30	514 404	582 492	570 460	511 511	599 599	567 567	28	28 28		S1 1 S2 2
	1000/1-6/1.5	071/55	6/1.5	1	1Am	1Bm	7.2x21	1.1/0.2	60/25/240	266	232	274	58	30	404	492	460	511	599	567	22	28	2000	
	1000/1-8	090/54	8	1	3m	3m	9x27	2.2	60/240	358	285	358	85	34	491	616	550	619	744	678	28	30	2000	N S1 1
	1000/1-8/2	091/51	8/2	1	3m	3m	9x27	1.5/0.37	60/25/240	358	285	358	85	34	491	616	550	619	744	678	28	30		S2 2
	1000/1-10	070/53	10	1	1Am	1Bm	7.2×21	1.7	60/240	266	232	274	58	30	404	492	460	511	599	567	22	28	2000	N S1 1: S2 2:
	1000/1-10 1000/1-10/2.5	090/52 091/52	10 10/2.5	1	3m 3m	3m 3m	9x27 9x27	3.0 1.5/0.37	60/240 60/25/240	358 358	285 285	358 358	85 85	34 34	491 491	616 616	550 550	619	744 744	678 678	28 28	30 30	2000	N S1 1 S2 2
1250	1250/2-5	070/57	5	2	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	514	582	570	511	599	567	28	28	2000	N (S1 1: S2 2:
	1250/1-8	070/56	8	1	1Bm	1Bm	7.2x21	1.7	60/240	266	232	274	85	34	421	492	480	528	599	587	22	28		N S1 1
7.00																								S2 2 N S1 1
1600	1600/2-4	070/54	4	2	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	514	582	570	511	599	567	28	28	2000	\$2 2
	1600/1-8 1600/1-10/2.5	090/55 091/56	8 10/2.5	1	2m 2m	2m 2m	9x27 9x27	2.2 3.0/0.75	60/240 60/25/240	358 358	285 285	358 358	85 85	34 34	491 491	616 616	550 550	619 619	744 744	678 678	28 28	30 30	3200 3200	N :
	1600/1-12/3	091/58	12/3	1	2m	1Bm	9x27	4.4/1.0	40/25/240	358	285	405	85	34	491	616	550	619	744	678	28	30	3200	S1 1. S2 2
2000	1600/1-16/4 2000/2-3	091/57 070/55	16/4	2	1Am	1Bm 1Bm	9x27 7.2x21	4.4/1.0	40/25/240 40/240	358 266	285	274	85 58	34	491 514	582	550 570	511	744 599	567	28	30 28		N S1 1
	2000/2-3/0.75	071/55	3/0.75	2	1Am	1Bm	7.2x21	1.1/0.2	60/25/240	266	232	274	58	30	514	582	570	511	599	567	28	28	2000	S2 2
	2000/2-4/1	090/54 091/51	4/1	2	3m 3m	3m 3m	9x27 9x27	2.2 1.5/0.37	60/240 60/25/240	358 358	285 285	358 358	85 85	34 34	600	725 725	659 659	619	744 744	678 678	30 30	30 30		N S1 1.
	2000/2-5	070/53	5	2	1Am	1Bm	7.2×21	1.7	60/240	266	232	274	58	30	514	582	570	511	599	567	28	28		N S1 1 S2 2
	2000/2-5 2000/2-5/1.25	090/52 091/52	5 5/1	2	3m 3m	3m 3m	9x27 9x27	3.0 1.5/0.37	60/240 60/25/240	358 358	285 285	358 358	85 85	34 34	600	725 725	659 659	619 619	744 744	678 678	30 30	30 30	2000	N :
2500	2500/2-4	070/56	4	2	1Bm	1Bm	7.2x21	1.7	60/240	266	232	274	85	34	531	582	590	528	599	587	28	28	3200	
	2500/1-10	110/52	10	1	2m	2m	11.3x31	4.0	60/240	358	285	358	120	47	610	728	676	671	790	738	30	42	3000	N S1 1
	2500/1-10/2.5	111/52	10/2.5	1	2m	2m	11.3x31	4.4/1.0	40/25/240	358	285	405	120	47	610	728	676	671	790	738	30	42		S2 2
3200	3200/2-4	090/55	4	2	2m	2m	9x27	2.2	60/240	358	285	358	85	34	600	725	659	619	744	678	30	30	3200	
	3200/2-5/1.25 3200/2-6/1.5	091/56 091/58	5/1.25 6/1.5	2	2m 2m	2m 1Bm	9x27 9x27	3.0/0.75 4.4/1.0	60/25/240 40/25/240	358 358	285 285	358 405	85 85	34 34	600 600	725 725	659 659	619 619	744 744	678 678	30 30	30 30		S1 1. S2 2
	3200/1-8	110/54	8	1	1Bm	1Bm	11.3x31	4.0	60/240	358	285	358	120	47	610	728	676	671	790	738	30	42	6300	N S1 1- S2 2-
	3200/2-8/2	091/57	8/2	2	1Am	1Bm	9x27	4.4/1.0	40/25/240	358	285	405	85	34	600	725	659	619	744	678	30	30	3200	N :
	3200/1-8/2	111/54	8/2	1	1Bm	1Bm	11.3x31	4.4/1.0	25/25/150	358	285	405	120	47	610	728	676	671	790	738	30	42	6300	N .
5000	5000/2-5 5000/2-5/1.25	110/52 111/52	5 5/1.25	2	2m 2m	2m 2m	11.3x31 11.3x31	4.0	60/240 40/25/240	358 358	285 285	358 405	120 120	47	740 740	858 858	806 806	671 671	790 790	738 738	42 42	42 42	5000	S1 1
6300	6300/2-4	110/54	4	2	1Bm	1Bm	11.3x31	4.0	60/240	358	285	358	120	47	740	858	806	671	790	738	42	42	6300	S2 2
	6300/2-4/1	111/54	4/1	2	1Bm	1Bm	11.3x31	4.4/1.0	25/25/150	358	285	405	120	47	740	858	806	671	790	738	42	42	6300	

												_	
				К	trolley		M		oftage only	meter of the	LIFTKET- Basic	Push	
14 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	mm	m/min	kW	mm			mm	± s		mm	version kg	kg	kg
	10-200			33	200	216	112	(16 25) 292	142	70	16 16 33 16 17 17 16 16 16	8	
					200	216	112		146	70	17 33 35 33 33 17	10	
		or 5/20	0.04/0.18					292			33		19 (5/20)
19-10   19-1	10-200			33	200	216	112	(16 25) 292	142	70		8	
1	37-215			36	200	216	112	292	146	70	18	10	
10	10-200				200	216	112	220 (16 25) 292	142	70	35	8	
10	66-135 37-215	16 or 25	0.12   0.12	36	200	216	112	220 (16 25) 292	146	70		10	17 (16   25)
Second   S	50-106 10-200				200	216	112	220 (16 25) 292	142	70		8	
$\begin{array}{c} \text{Mod 15} \\ \text{No Piral Boroson} \\ N$	66-135 37-215			36	200	216	112	220 (16 25) 292	146	70	36 35	10	
17-215	37-215			36	200	216	112	(16 25) 292	146	70	41 47 36	10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37-215			37	288.5	293.5	152.5	(8 12) 385	147	103	69	22	
22.155	7-215			36	200	216	112	(16 25) 292	146	70	42	10	
10	32-155 37-215			38.5 37	288.5	293.5	152.5	263 (8   12) 385	147	103	67	22	
$ \begin{array}{c} 32.155 \\ 37.215 \\ 075/20 \\ 00000 \end{array} \begin{array}{c} 30.12 \\ 0.04/0.18 $	7-215			36	200	216	112	(16 25) 292	146	70	41	10	
66-135   16 or 25   0.12   0.12   0.12   0.38   34.5   200   216   112   12   12   12   12   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   14   10   17 (16   25)   19 (5/20)   10   10   10   10   10   10   10	32-155 37-215			38.5 37	288.5	293.5	152.5	263 (8   12) 385	147	103	42	22	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	37-215			36	200	216	112	220 (16 25) 292	146	70	47	10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37-215			37	288.5	293.5	152.5	263 (8 12) 385	147	103	88 <sup>1)</sup> 103 <sup>1)</sup>	- 22	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37-215			36	200	216	112	(16 25) 292	146	70		10	
Solution	37-215			37	288.5	293.5	152.5	263 (8   12) 385	147	103		22	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	66-135 37-215		0.12   0.12	38 36	200	216	112	220 (16 25) 292	146	70	47	10	17 (16   25)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37-215			37	288.5	293.5	152.5	(8 12) 385	147	103		22	
8 or 12	0-226	4/16	0.04/0.18	38	351	351	191	409 (4/16)	160	122	90	47	63 (4/16)
0-155 0-226 4/16 0.06/0.25 38 351 351 191 409 160 122 90 47 63 (4/16) 0.010 102 102 102 103 1131 22 29 (8/12) 103 103 1131 22 29 (8/12) 104 105 105 105 105 105 105 105 105 105 105	37-215			37	288.5	293.5	152.5	(8 12)	147	103	981)	22	
10-310   35.5   263   (8 12)   37.7215   8 or 12   0.12   0.12   37.7215   0.04/0.18   37.7315   37.7215   0.05/0.25   38.5   38.5   37.7215   0.05/0.25   38.5   3	90-155 50-226	4/16	0.06/0.25	38 38	351	351	191	409	160	122		47	
0.0300 34.5 (5/20) 118 <sup>13</sup> 0.06/0.25 38 118 <sup>13</sup> 0.155 0.04/0.18 38 351 251 191 409 160 107 47 63 (4/16)	32-155 37-215			38.5 37	288.5	293.5	152.5	263 (8 12) 385	147	103	1131)	22	
0-0-220 4/16 0.04/0.18 35.5 0.04/0.18 35.5 0.06/0.25 0.06/0.05 0.0	0-155 0-226	4/16	0.06/0.25 0.04/0.18 0.04/0.18	38 38	351	351	191	(5/20)	160	122	107 135 <sup>1)</sup>	47	63 (4/16)





### Further options

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



### STAR LIFTKET single phase electric chain hoists 125 kg - 2000 kg (detail drawings page 8)

Capa- city	Version	STAR- 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 mm	Lifting motor kW	Duty rate starts/hour	A	B	C	D	E	G	G1	G2	H	H1
125	125/1-24	050/01	24	1	3m	2m	5.2x15	0.55	40/240	266	232	274	58	30	390	462	436	509	582
250	250/1-8	020/01	8	1	2m	1Bm	4x12	0.25	40/240	212	192	218	58	27	354	432	401	469	547
	250/2-12	050/01	12	2	3m	2m	5.2x15	0.55	40/240	266	232	274	58	30	443	515	489	509	582
500	500/2-4	020/01	4	2	2m	1Bm	4x12	0.25	40/240	212	192	218	58	27	407	485	454	469	547
	500/1-8	050/02	8	1	1Am	1Bm	5.2x15	0.55	40/240	266	232	274	58	30	390	462	436	509	582
	500/1-10	070/02	10	1	2m	2m	7.2x21	1.1	40/240	266	232	274	58	30	404	492	460	511	599
1000	1000/2-4	050/02	4	2	1Am	1Bm	5.2x15	0.55	40/240	266	232	274	58	30	443	515	489	509	582
	1000/2-5	070/02	5	2	2m	2m	7.2x21	1.1	40/240	266	232	274	58	30	514	582	570	511	599
	1000/1-6	070/01	6	1	1Am	1Bm	7.2x21	1.1	40/240	266	232	274	58	30	404	492	460	511	599
2000	2000/2-3	070/01	3	2	1Am	1Bm	7.2×21	1.1	40/240	266	232	274	58	30	514	582	570	511	599

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









Special pendant to

Н2	J	J1	Trolle type	7	F Flange	К	L	M	Dia- meter of	Wei	ghts
			туре		width		Push trolley		the wheels	STAR LIFTKET- Basic version	Push trolley
mm	mm	mm			mm	mm	mm	mm	mm	kg	kg
565	20	22	500							33	
516	20	22	500	N S1	50-106 110-200	33	200	112	70	16	8
565	22	22	500	S2	210-300				, ,	35	3
516	22	22	500							17	
565	20	22	1000							33	
567	22	28	1000							36	
565	22	22	1000	N S1	66-135 137-215	38 36	200	112	70	35	10
567	28	28	1000	S2	220-300	34.5	250	112	, ,	41	10
567	22	28	2000							36	
567	28	28	2000							41	

#### Please note:

- Power supply 230 V, 1 ph, 50 Hz Protection class IP55 / insulation class F
- The hoist weight has been calculated for 3 m height of lift
- Control cable 1.5 m supplied as standard
- Height of lift 3.0 m supplied as standard
- Different heights of lift and control cable lengths available on request
- If heights of lift increases beyond 20 m, SWL (Safe Working Load) has to be reduced by the additional weight of the chain
- Single phase electric chain hoists available only with direct voltage control

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



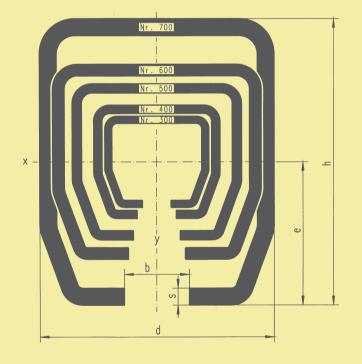
#### LIFTKET







- 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 S235JR 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 6000 mm. 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.

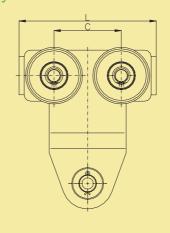
#### Monorail profile 300 - 700

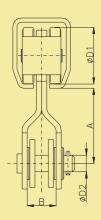
Profile	Н	d	b	S	Wx	Ix	e	Weights	Capacity
	mm	mm	mm	mm	cm³	cm⁴	mm	kg/m	kg*
No. 300	35	40	11	2.75	2.52	5.02	19.9	2.52	100
No. 400	43.5	48.5	15	3.2	4.4	10.93	24.8	3.57	200
No. 500	60	65	18	3.6	10.07	34.08	33.8	5.63	500
No. 600	75	80	22	4.5	19.76	83.08	42	8.77	1000
No. 700	110	90	25	6.5	51.68	312.71	60.5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

<sup>\*</sup> Capacity per meter with a suspension distance 1 m

#### Monorail trolleys for use on the LIFTKET-monorail system

Dimension			Trolley ty	ре	
		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





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Ho 2006/06: Previous editions are no longer valid.



