

# Look ahead!



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ENGLISH

Light Cranes

Chain Hoists

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CRAFTster  
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SK  
Electric chain hoists

LIGHTster, Light-  
weight crane system

ProfileMaster, Light-  
weight crane system

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Slewing cranes

# Content

# Look ahead!



03

SWF is one of the leading global players in crane and hoisting equipment. At all times and in all places, SWF applies to the highest and the most demanding standards – those of our customers.

Our customers are independent crane manufacturers, lifting equipment resellers and service companies. They use SWF hoists and components because they perform better, offer advantages and can do more than the average products on the market. Quick decisions and flexible acting makes it easy to deal with SWF furthermore.

Close to every SWF product there stands a reliable local partner who knows precisely what counts. In this way installations are built to perform better, systems to work and last longer – systems with first class service and optimum efficiency, ideally customized to the end users needs.

## **No one can match what we have to offer.**

SWF has one of the most comprehensive product portfolios available. In addition to that we also have a complete service package which includes seamless support, customer specific configuration software, technology and

sales training, and a whole range of customer specific services. We know you will have to offer more than just products to have a competitive edge, and SWF helps you get it.

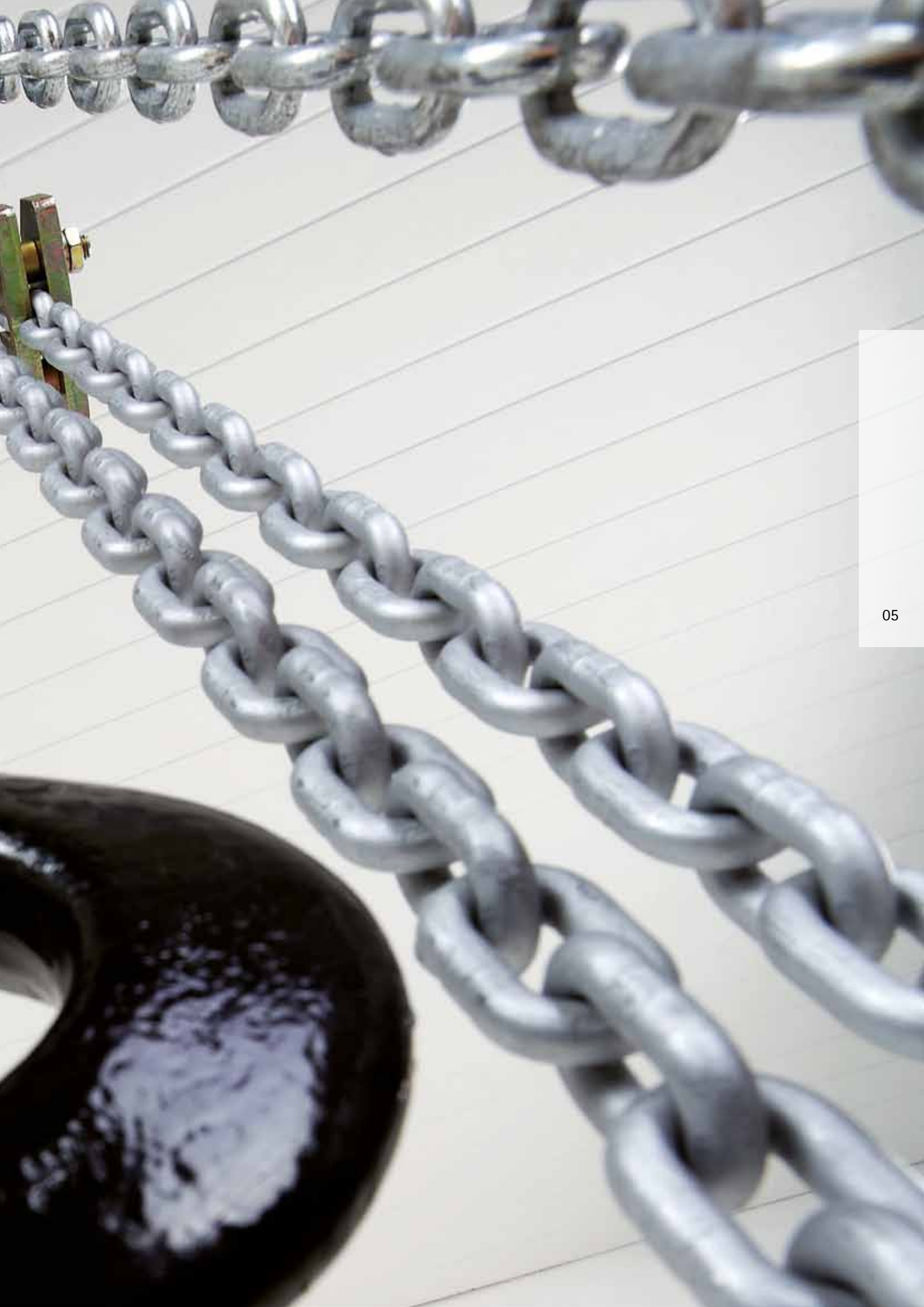
"Special" often means special solution, special effort and thus special costs. The SWF components have been designed to be as flexible and cost-effective as possible; allowing us to do a solution adapted to your needs by using standard equipment. This keeps the individual development and the cost that comes with it at a minimum. By using standard components with a proven quality record you also minimize the number of breakdowns, as well as the costs for wear, tear, service and maintenance.

## **Development going in one direction – upwards.**

SWF was founded in 1921 in Germany and has since then been known to deliver high-quality products. Today, products from SWF are used in areas where top performance and top quality are demanded. Performance and quality that today's companies need in order to be successful and dependable.



# **CRAFTster Hand chain blocks**



# CRAFTster

Hand chain block for loads up to 20,000 kg



- **Optimum use of space**

Compact design and optimum approach dimensions,  
handy for transportation to site of operation

- **Flexible usage**

Wide range of applications, independent to power supply, heavy duty model  
as option, heavy load and explosion proof version available

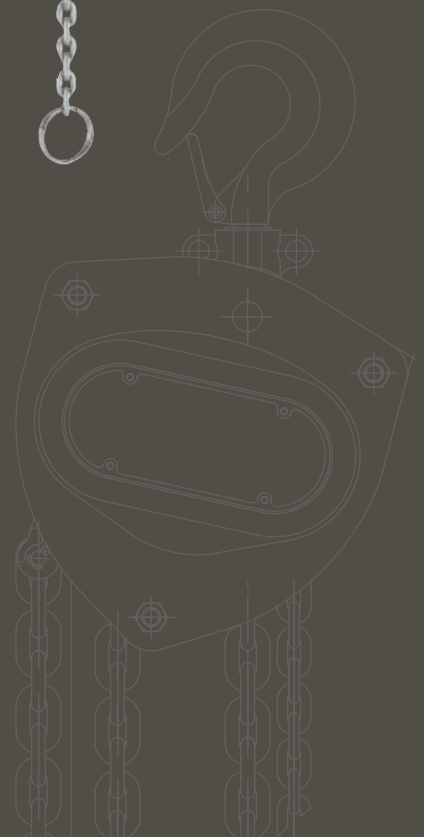
- **High safety in operation**

Robust industrial design, proven design, high quality interior parts

- **Gentle operation**

Low unit weight, chain nut with ball bearings as an option

**Advantage: Each time useable lifting  
equipment with high reliability**



Optimum use of space, high safety in operation  
for a wide range of applications.



CRAFTster with  
chain driven trolley FKH  
with short headroom  
up to 20,000 kg



CRAFTster MHS with  
upper hook, without  
overload protection  
up to 5,000 kg



CRAFTsterGT MHH  
with upper hook, with  
overload protection  
up to 20,000 kg



CRAFTster with chain  
driven trolley FKH,  
explosion proof up to  
20,000 kg



CRAFTster MHS  
with upper hook,  
explosion proof  
up to 20,000 kg



Beam clamp BC  
up to 5,000 kg



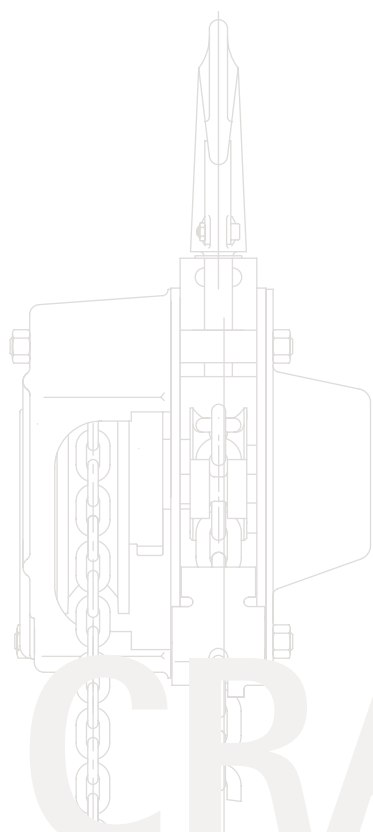
Chain driven trolley  
FNH up to 20,000 kg



Push trolley FND  
up to 20,000 kg



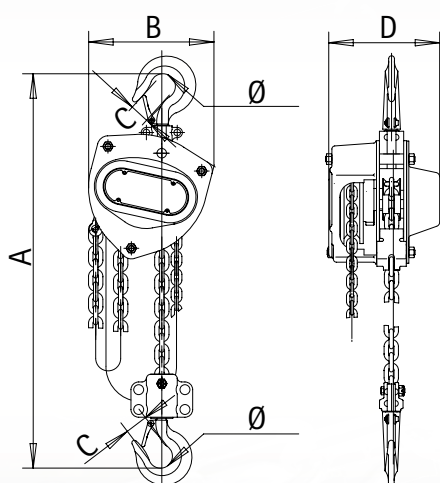
Push trolley FND,  
explosion proof  
up to 20,000 kg



CRAFTster

# CRAFTster

## MHS+MHH and FND/FNH




CRAFTster MHS+MHH

Load kg	Dimensions					Chain size mm	Max. force on hand chain kg	Weight kg
	A mm	B mm	C mm	D mm	Ø mm			
250	280	121	21	114	31	4x12	23.5	6.5
500	345	148	23	132	35	5x15	24	9.3
1000	376	172	27	151	40	6x18	25	12.2
1500	442	196	33	173	45	7.1x21	26.5	16.5
2000	470	210	35	175	50	8x24	33.5	19.5
3000	548	255	39	205	55	10x28	37.2	32
5000	688	280	45	189	65	9x27	36	41.3
7500	690	433	54	189	75	9x27	38	62
10000	765	433	54	189	75	9x27	38	78.5
12500	835	430	54	220	75	9x27	38	110
16000	900	718	71	200	95	9x27	38	135
20000	950	840	85	200	106	9x27	38	192

### Standard equipment Hand chain block MHS:

- Machined chain sprocket and gears provide smoother, more efficient operation
- High strength grade 80 alloy steel load chain with galvanized finish for corrosion resistance
- Robust construction featuring steel gear case and hand wheel cover
- Dual ratchet brake with two brake friction discs
- Hand and load chains galvanized, made in Europe
- ISO hooks equipped with hook latches
- Powder coating, thickness 70 µm

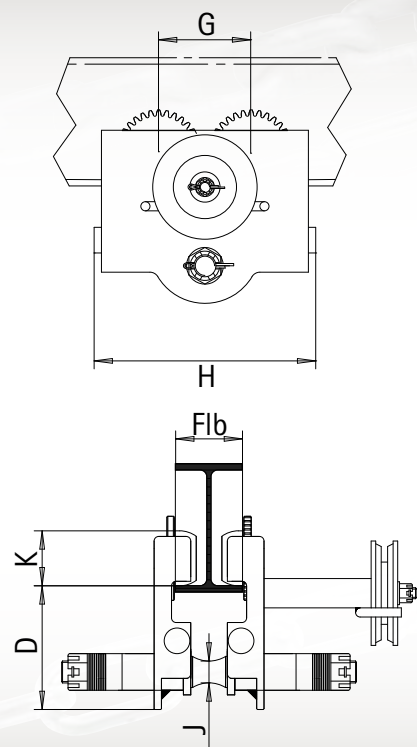
### Options Hand chain block MHS:

- Stainless steel chains as option
- Stainless steel hooks available on request
- Explosionproof execution 

### Standard equipment Hand chain block MHH:

- Same points as MHS, plus:
- Offshore quality coating, thickness 200 µm (C5)
- 1 extra bearing to support the load wheel
- With overload device, slipping clutch

Hand




**CRAFTster FND/FNH**

Load kg	Dimensions						Weight kg
	Flb Flange width, mm	D mm	G mm	H mm	J Ø mm	K Ø mm	
250	50-202	60	80	190	15	50	3.5
500	50-310	62	84	210	20	55	8-10
1000	65-310	81	101	242	24	60	12-16
2000	88-310	96	116	296	30	76	20-24
3000	100-310	140	144	346	28	96	38-44
5000	114-310	161	158	384	35	108	59-65
7500	124-310	176	185	439	43	130	100-107
10000	124-310	187	200	458	50	132	116-123
12500	124-310	187	200	466	50	134	121-130
16000	136-310	283	272	579	64	168	211-220
20000	136-310	278	272	579	68	175	216-228

#### Standard equipment manual trolley FND/FNH:

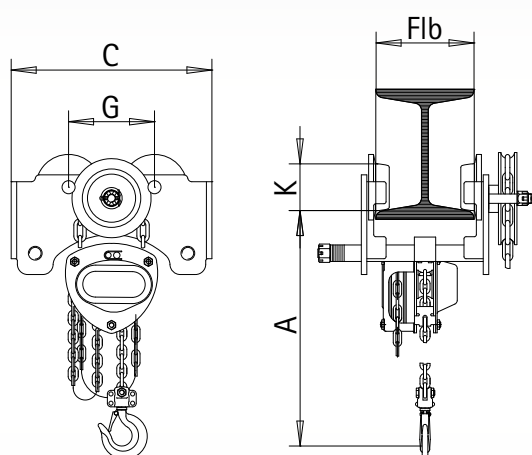
- Easily adjustable for a wide range of flange widths up to 300 mm
- Movement is achieved by pushing the trolley (FND) or pulling the hand chain (FNH)
- Powder coating, thickness 70 µm
- Single flanged machined steel wheels add to the smooth motion
- Crown-tread wheels compatible with all types of I and H shaped profiles
- Wheel ball bearings are sealed and maintenance-free
- Hand chain galvanized
- Drop stops and rubber buffers included

#### Options manual trolley FND/FNH:

- Wider flanges than 300 mm available on request
- Higher capacities available on request
- Explosionproof execution 

# CRAFTster

MHS+FKH, MLP and BC



CRAFTster MHS+FKH

Load kg	Dimensions					Weight kg
	Flb Flange width, mm	A mm	C mm	G mm	K Ø mm	
500	50-203	299	258	100	55	19-21
1000	64-305	331	292	125	68	37-39
1500	74-305	383	319	130	74	37-39
2000	88-305	410	358	135	80	50-52
3000	100-305	461	434	158	100	65-69
5000	114-305	655	448	170	108	91-96
7500	124-305	750	624	190	130	135-141
10000	124-305	755	636	200	134	153-159
12500	124-305	830	668	200	150	242-250
16000	136-305	930	791	272	166	278-286
20000	136-305	950	891	272	172	353-361

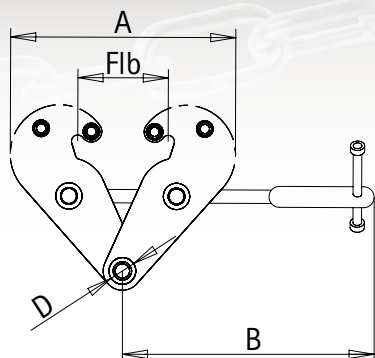
## Standard equipment FKH:

- Low headroom trolley construction for rigid connection to a MHS or MHH hand chain block
- Chain driven trolley
- Trolley adjustable according to beam size up to 300 mm width
- Powder coating, thickness 70 µm
- Hand chain galvanized
- Drop stops and rubber buffers included

## Options FKH:

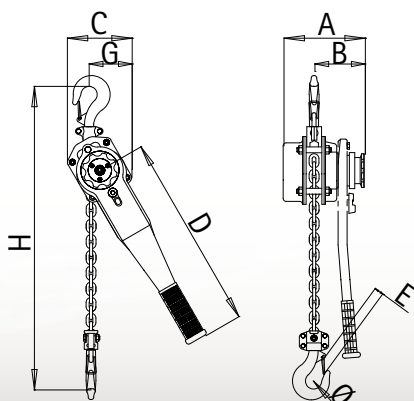
- Wider flanges than 300 mm available on request
- Higher capacities available on request
- Explosionproof execution

# Hand chain



#### CRAFTster BC

Load kg	Dimensions						Weight kg
	Flange width, mm	A max. mm	A min. mm	B mm	C width mm	D Ø mm	
1000	75-230	340	192	210	70	20	3.9
2000	75-23	340	192	210	78	20	5
3000	80-320	445	238	250	106	22	9.5
5000	90-310	455	248	250	114	28	11.3



#### CRAFTster MLP

Load kg	Dimensions						Weight kg
	A mm	B mm	C mm	D mm	E mm	Ø mm	
250	245	70	20	92	168	31	2.1
750	310	128	26	149	307	37	6.2
1500	385	145	36	171	408	45	9.5
3000	460	203	44	204	418	55	20.2

#### Standard equipment MLP:

- Steel construction with chrome finish
- Reinforced housing cover protects the mechanism
- Ideal for construction, maintenance, service ...
- 360° handle rotation and rubber grip
- High strength, grade 80 alloy steel load chain with galvanized finish for corrosion resistance
- ISO hooks equipped with hook latches
- Totally enclosed dual ratchet brake with two friction discs

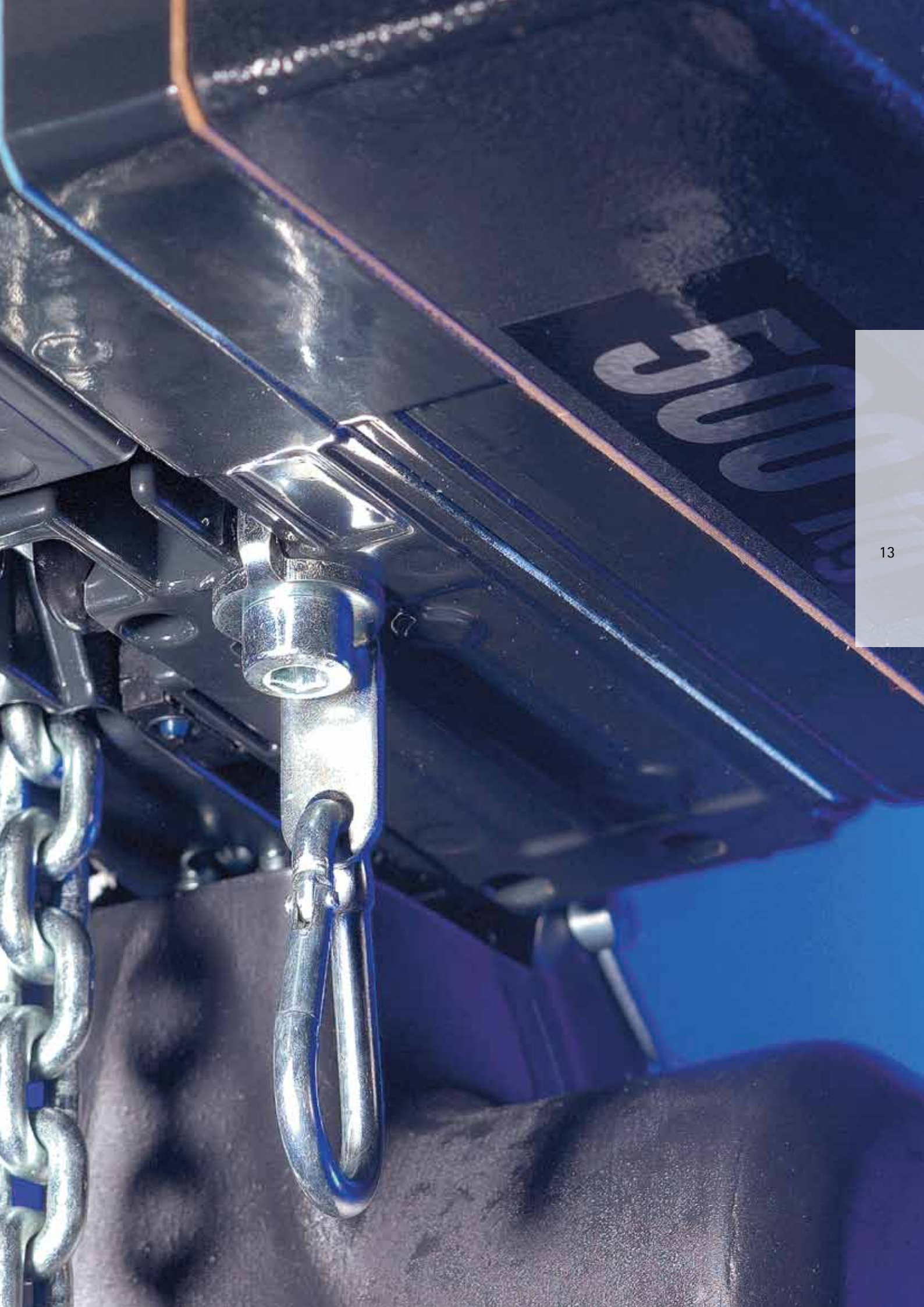
#### Standard equipment BC:

- Designed for mounting on a wide range of profile beams
- Built-in suspension bar allows for low headroom
- Easily installed and adjusted by hand
- Locking safety screw
- Provides temporary or permanent mounting point for hook mounted hoists or lever pullers
- Powder coating, thickness 70 µm

# SK

## Electric chain hoists





# SK Electric chain hoists

For loads up to 5,000 kg



- **Optimum use of space**

Compact design and optimum approach dimensions

- **High operational reliability**

Emergency stop button, 48 V contactor control, drop stop safety

- **Gentle operation**

Upper and lower limit switch, variable step less load travelling via frequency inverter

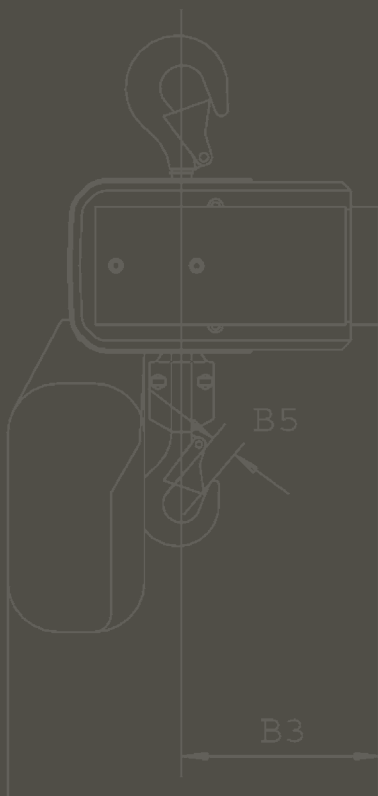
- **Reduced maintenance costs**

Robust industrial design, standardised product groups, easy accessibility

**Advantage: Efficient and economical usage with the highest quality**

**Flexible, powerful and compact.**

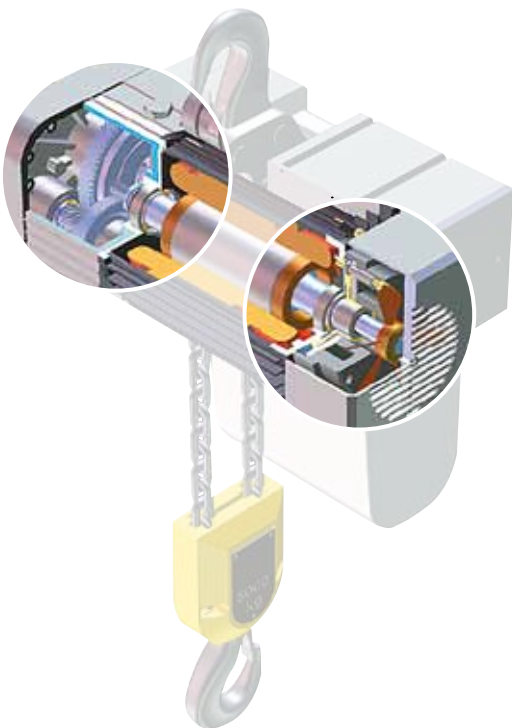
In our SK series, we have packed high-performance motors into a compact design. The extremely sturdy construction guarantees long service life, reliable operation and low wear, maintenance and service costs. The drive system with variable speed control reduces load sway and allows for the careful handling of the load. Noise levels are reduced thanks to the smooth and silent running of the trolley. The SK series is equipped with a low-voltage control system and complies with all relevant safety requirements for modern lifting gear. These high quality chain hoists are particularly suitable for a wide range of special applications.



SK electric chain hoists can be customised to suit your particular needs. We offer a wide range of accessories and optional equipment ...



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**Standard equipment:**

- Stationary hoist with hook suspension
- 2 lifting speeds (4/1), optionally with frequency inverter
- Mechanical overload protection
- Top hook
- IP55 protection
- Motor insulation class F
- 48V contactor control
- Fully equipped with drive controls (with exception of SKalpha)
- IP65 control pendant with plug adapter and EMERGENCY-STOP
- Drive operation with frequency inverter, 2-speed or variable
- Suitable for ambient temperatures of between -20 °C and +40 °C
- Single girder trolley equipped with drop stops
- Lifting motor with thermal protection (SKD/E/F standard)
- Upper and lower hoisting limit switch



## SK Electric chain hoists



### Options:

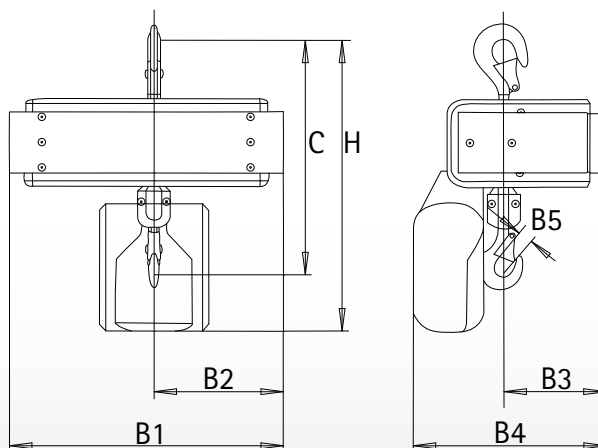
- Push travel trolley
- With frequency inverter for stepless hoisting and lowering
- Motor drive system with 2-speed or variable speed control
- Extremely low headroom trolley
- Load chain and hook in stainless steel
- Protective rain covers
- Hours in service meter
- RadioMaster radio control system
- Thermal protection for lifting motor and trolley drive
- Articulated bogey trolley for curved runway
- Push or motor travel trolley for ProfileMaster system
- Explosion proof version
- HandyMaster control pendant for increased efficiency
- With extreme lifting heights for windmill applications
- Versions for the food industry

# SK Electric chain hoists



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Type	Load kg	FEM	Lifting speed m/min	Number of falls	Chain size mm	B1 mm	B2 mm	B3 mm	B4 mm	B5 mm	C mm	H mm	Lifting motor kW
SKA 80.12	125	1Bm	8,0/2,0	1	3,1 x 9,3	308	136	147	250	18	310	312	0,20/0,05
SKA 80.22	250	1Bm	4,0/1,0	2	3,1 x 9,3	308	136	132	250	18	334	312	0,20/0,05
SKb 80.12	500	1Bm	4,0/1,0	2	4,8 x 12,5	422	183	127	300	20	455	455	0,40/0,10
SKB 80.22	1.000	1Bm	4,0/1,0	2	4,8 x 12,5	422	183	127	300	26	455	455	0,80/0,20
SKC 80.22	2.000	1Bm	4,0/1,0	2	6,8 x 17,8	504	260	168	400	31	570	575	1,70/0,40
SKD 80.22	3.200	1Am	4,0/1,0	2	9,0 x 27,0	560	335	172	486	43	728	761	3,50/0,90
SKE 80.22	4.000	1Am	4,0/1,0	2	11,3 x 31,0	560	335	172	486	47	768	761	3,50/0,90
SKF 60.22	5.000	1Am	3,2/0,75	2	11,3 x 31,0	560	335	172	486	47	768	761	3,50/0,90



# LIGHTster and ProfileMaster Lightweight crane system, JIBster Slewing cranes



# LIGHTster

For loads up to 2,000 kg



- **Low own-weight**

Can also be used in application areas capable of bearing only low static loads; ergonomic, time-saving assembly; low number of freely positionable securing points

- **High quality**

Non-corrosive material, diminished operating noises thanks to state-of-the-art nylon wheels, prolonged service life with low maintenance costs

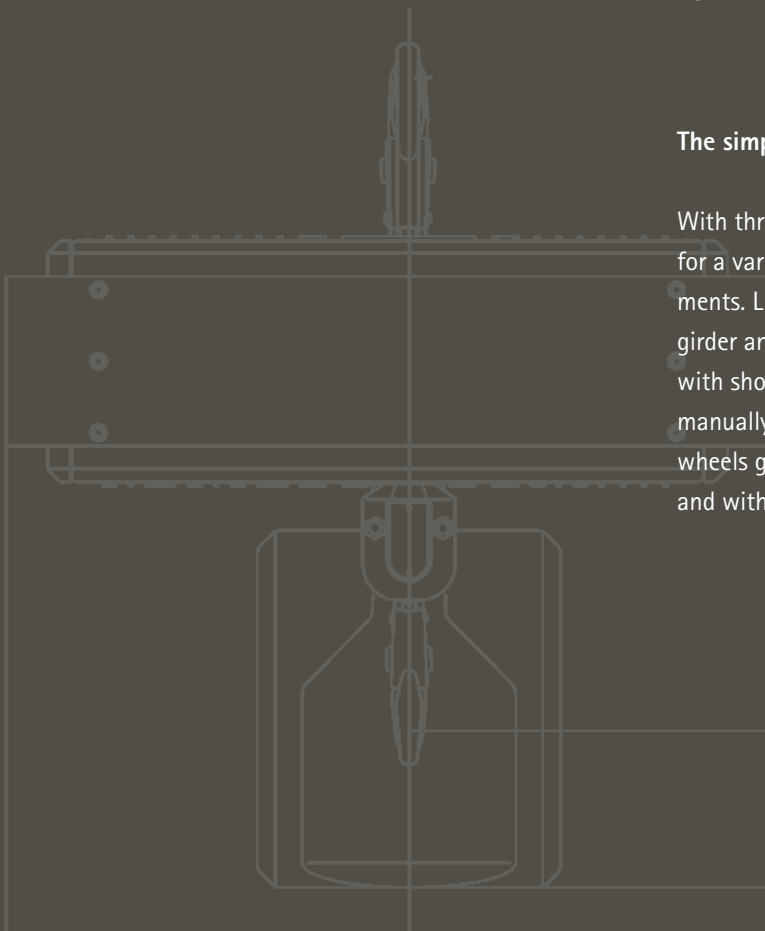
- **Precise application**

Low-vibration load movement; exact flow of materials; simple, ergonomic handling even without motorisation

**Advantage: High-performance handling system with a high load-bearing capacity and low running costs**

**The simple solution for complex systems.**

With three different profiles, LIGHTster offers solutions for a variety of applications covering almost all requirements. LIGHTster enables the implementation of single-girder and double-girder solutions with both normal and with short headroom. The systems can be operated both manually or by using electric drives. The narrow nylon wheels glide along the galvanised runner carriage easily and with minimum noise during operation.



Aluminium lightweight crane system with a high load-bearing capacity and low running costs.



# LIGHTster

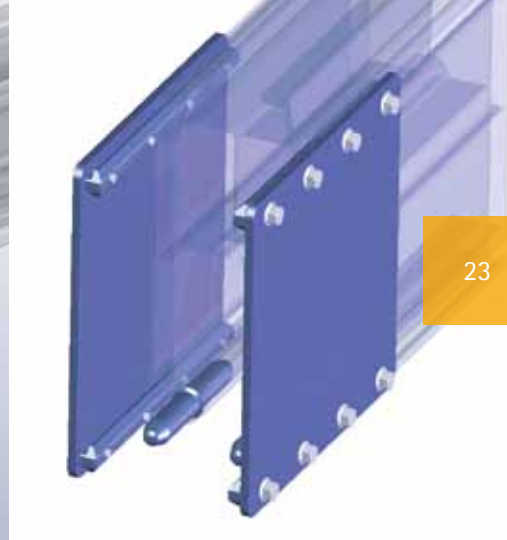
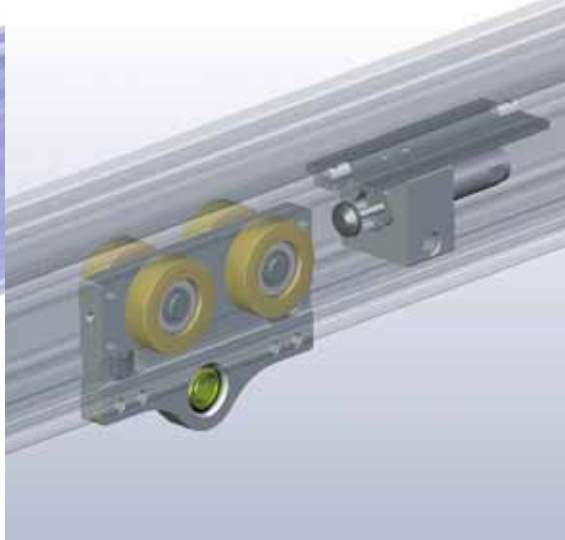
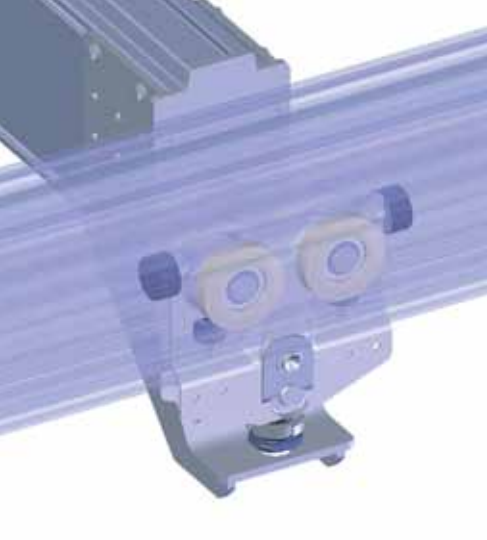


LIGHTster

Simple, high-load bearing profile connections and a low number of needed suspensions allow the crane to be assembled on-site economically and effectively. The pre-sorted parts supplied give you a quick overview of the individual components and their function. LIGHTster optimises your time and personnel requirements.

The reduced weight of the aluminium lightweight crane has a beneficial effect on the load-bearing capability of the building and allows a more simple, easier assembly for the installation team. Moreover, the precision with which the LIGHTster moves loads impresses. Combined with SK electric chain hoists with integrated frequency inverter controllers for the hoisting procedure, sensitive operations can be performed gently and accurately. Continuously variable hoisting and lowering of the goods to be moved, provides on the one hand for low wear to the hoisting gear and on the other for a low-vibration transport of the load.





## LIGHTster makes the solution simple:

- Easy installation thanks to a simple connection system with a low own-weight which is capable of bearing high loads
- Flexible and individually adjustable lightweight crane systems
- Gentle lifting and positioning of loads, manually or with variable electric speed control
- Wide range of profiles available for loads of up to 2,000 kg
- Wide range of power supply modes available
- A wide range of spans can be realized
- We provide monorail tracks with curves, switchpoints and turntables as well as single-girder and double-girder solutions
- Compact solutions available for various headrooms
- We also provide customized equipment to suit your individual needs
- Highest quality standard and minimum production tolerances
- Low noise level
- Various installation options with numerous suspension types
- Easy to modify and/or extend
- Prolonged service life combined with low maintenance costs
- Available at a competitive price topped with low running costs

# LIGHT

# ProfileMaster

For loads up to 2,000 kg



- **Flexible arrangement possibilities**

Wide range of profiles, switches, curves, turntables and much more, larger spans possible

- **Short assembly times**

Pre-designed, pre-assembled and pre-wired components, optimised suspension and connection

- **Low maintenance costs**

Minimum service required, longer lasting and robust hoists

**Advantage: Flexibility and optimised performance, through modular design**

**The simple solution to many complex problems.**

Often, simple solutions are the most effective.

ProfileMaster is a complete modular kit designed to solve even the most intricate logistical task. The profile crane system has a proven track record with companies where the fast and coordinated transfer of materials is of the essence. The system can thus be seen in many manufacturing and warehouse premises. With ProfileMaster, you have the option to design your own individual hoisting system by combining our high-quality pre-assembled components that provide solutions for all tasks. Our kits include turntables, swivelling and sliding switch points and a wide range of other components. ProfileMaster is available as a single-girder or double-girder system with manual or electric drive systems.

# ProfileMaster

## Modular lightweight crane system for the highest flexibility.



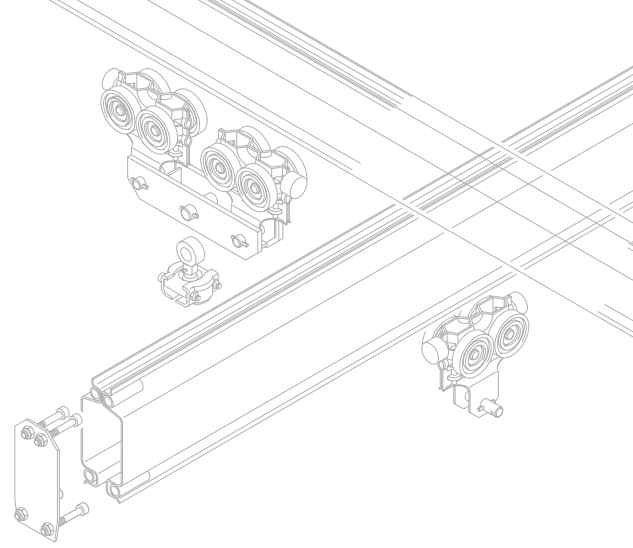
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ProfileMaster is available with three different profile types, to cater for different load weights and suspension distances. The sections are cold-formed and are extremely rigid. The closed shape protects the inner runners against dirt and dust. Both the bridges and trolleys can be operated with minimum noise.



ProfileMaster

# ProfileMaster



## ProfileMaster always offers you the optimum solution:

- Flexible and individually adjustable lightweight crane systems
- Easy installation thanks to a simple connection system
- Smooth lifting and positioning of loads, be it manually or by variable electric speed control
- Wide range of profiles available
- Suitable for extremely large spans
- Available for various headrooms
- We provide monorail tracks with curves, switch points and turntables as well as single-girder and double-girder solutions
- We also provide customised equipment to suit your specific needs
- Highest quality standard and minimum production tolerances
- Low noise level
- Various installation options with numerous suspension types
- Easy to modify and/or extend
- Prolonged service life combined with low maintenance costs
- Available at a competitive price topped with low running costs



# JIBster

Slewing crane for loads up to 2,000 kg

JIBster



- Loads up to 2,000 kg
- Pillar mounted jib crane with 270° Slewing range
- Wall mounted jib crane with 180° Slewing range
- Slewing boom as IPE Profile or ProfileMaster light crane profile
- Suitable for electric chain hoist or manual hand chain blocks
- Electric wire rope hoist on request
- Ambiente temperature -20 °C to +40 °C

- **Efficient assembly**

Modular design and construction, horizontal adjustment device for the boom, clear and illustrated assembly instructions

- **Versatile solutions**

Designed as pillar- or wall mounted jib crane, depending on height under roof as overbraced or as underbraced solution; Wide variety of electrical or manual hoists, no local restrictions with optional base plate

- **Flexibility**

Available as complete crane or as jib crane kit, individual manufacturing and reduced transport-costs with the JIBster Kit, component package ready for assembly together with the complete JIBster

- **High quality standard**

Design according to international Standards (EN 13001-1), high quality materials and controlled processing, powerful hoists

**Advantage: Efficient jib crane solution for a variety of requirements**

JIBster



## Versatile solutions for efficient workstation cranes.

### Standard equipment:

- Boom with ball bearings
- Power supply festoon with rising cable, terminal box and main switch; IPE Profile with C-rails, cable trolleys and flat cable; ProfileMaster light crane boom with cable trolleys running in the ProfileMaster profile and flat cable
- Painting, RAL 1028, thickness 80 µm
- Horizontal adjustment device for the boom
- Nylon washer as axial bearing for the boom
- Fixed limit stops for trolleys at the boom
- With push trolley for ProfileMaster light crane profile
- Components for complete jib and JIBster-Kit are ready for assembly

### Options:

- Electric chain hoist or manual hand chain blocks
- Push and motor trolleys for IPE Profile
- Adjustable trolley end stops
- Base plate with chemical bolts
- Anchor bolts with template
- Adjustable, mechanical slewing end stop
- Slewing lock
- Eye on pillar top for easy transport



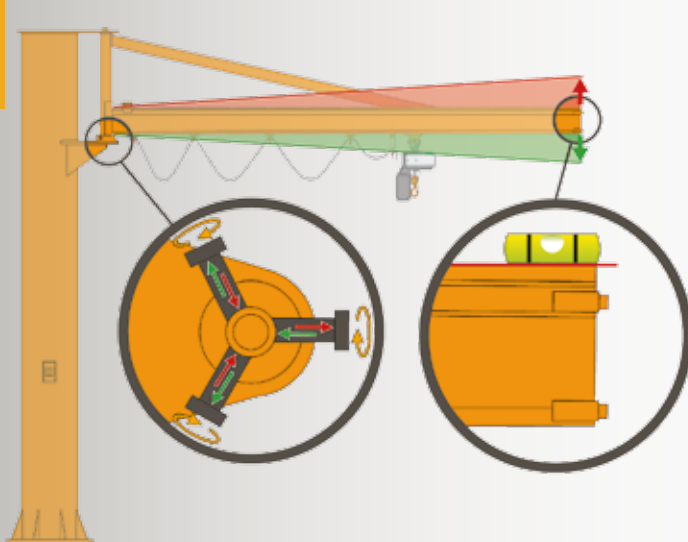
JIBster Slewing crane  
with ProfileMaster light crane profile, overbraced



JIBster Slewing crane  
with IPE Profile, underbraced

# JIBster Slewing crane

JIBster

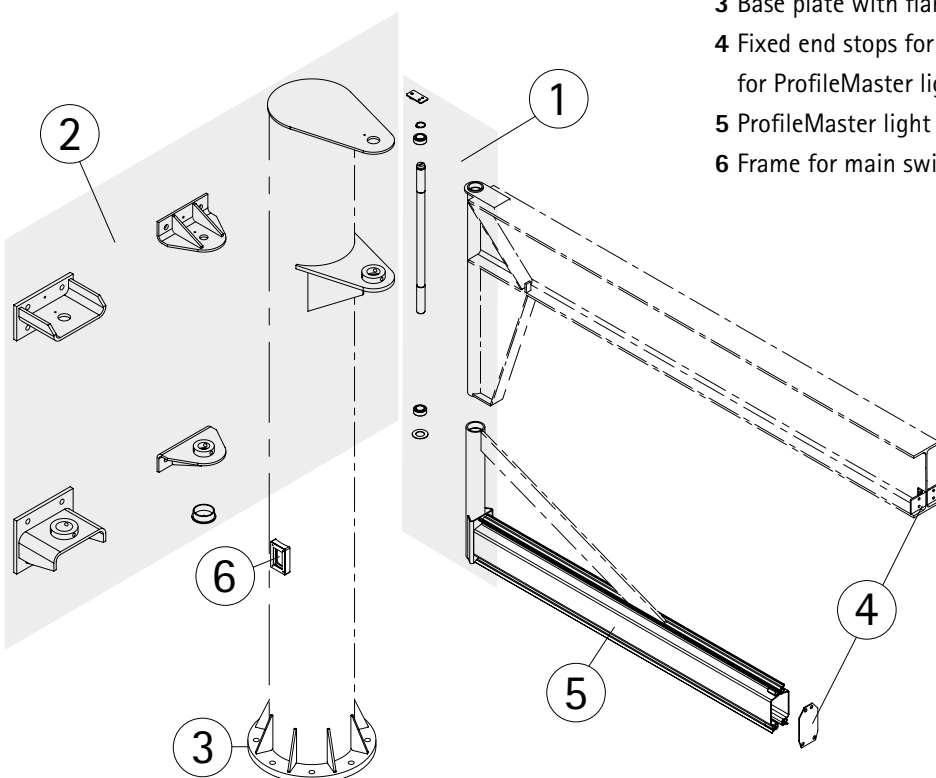


## Horizontal adjustment device for the boom.

Thanks to the device for horizontal adjustment of the boom a time-saving and easy installation of the JIBster is possible. The perfectly aligned boom also prevents uncontrolled movement of the trolley and thus contributes actively to the work safety. The slewing crane can also be easily adapted to new circumstances without compromise after transferred to another location.

Custom crane manufacturing and reduced transport costs with the JIBster Kit. Assembled components for the optimum completion of the steel construction from your own production. Optional power supply and hoists.

- 1 Slewing unit including shaft, fixations, tube, ball bearing and nylon washer
- 2 Support plates for the boom for wall mounted and pillar mounted jib cranes, including horizontal adjustment device for the boom
- 3 Base plate with flanges
- 4 Fixed end stops for IPE profile or fixed end plate for ProfileMaster light crane profile
- 5 ProfileMaster light crane boom
- 6 Frame for main switch





Fixing of the slewing shaft with lock against rotation on top of the pillar



Overview to main switch and base plate with fixing bolts

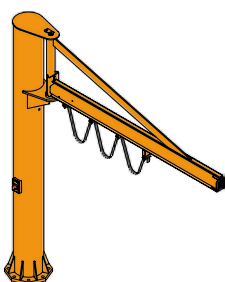


Power supply terminal box on top of a ProfileMaster light crane profile

### Type JIBster pillar mounted jib crane

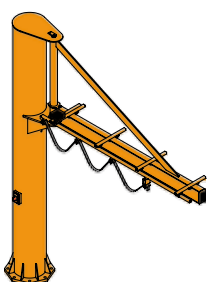
#### OPI

- 270° Slewing range with overbraced ProfileMaster light crane profile
- Max. 2,000 kg load with 4.5 m span
- Max. 8 m span with 500 kg load



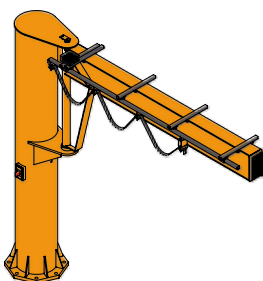
#### OPI

- 270° Slewing range with overbraced IPE Profil
- Max. 2,000 kg load with 6 m span
- Max. 6 m span with 2,000 kg load



#### UPI

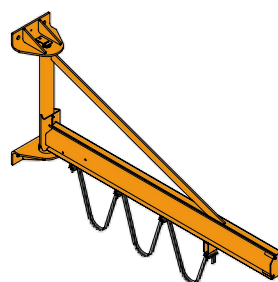
- 270° Slewing range with underbraced IPE Profil
- Max. 2,000 kg load with 6 m span
- Max. 6 m span with 2,000 kg load



### Type JIBster wall mounted jib crane

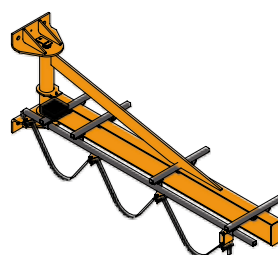
#### OWU

- 180° Slewing range with overbraced ProfileMaster light crane profile
- Max. 2,000 kg load with 4.5 m span
- Max. 8 m span with 500 kg load



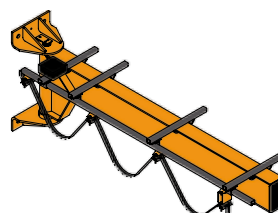
#### OWI

- 180° Slewing range with overbraced IPE Profil
- Max. 2,000 kg load with 6 m span
- Max. 6 m span with 2,000 kg load



#### UWI

- 180° Slewing range with underbraced IPE Profil
- Max. 2,000 kg load with 6 m span
- Max. 6 m span with 2,000 kg load



# Look ahead!



WWW.RALF-GROSSE-SCHULTE.DE

ENGLISH

SWF Krantechnik GmbH

Postfach 310410  
D-68264 Mannheim  
Germany

Boehringer Str. 4  
D-68307 Mannheim  
Germany

Telefon +49(0)621.78990-0  
Fax +49(0)621.78990-100

info.de@swfkrantechnik.com  
www.swfkrantechnik.com