



PLANETA

Hoists and winches since 1861

Hoists and
Winches
No. 26

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Note: PLANETA is constantly striving to improve its products and optimise the range. Great care has been taken to ensure the accuracy of the technical information in this catalogue. However, the information does not constitute a basis for warranty claims or contractual agreements regarding the products described, regardless of whether this is expressly stated or implied. For all guarantee, sales, delivery and other contractual conditions, only the terms and conditions of PLANETA-Hebetechnik GmbH apply. Specifications and products are subject to change without prior notice!

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PLANETA

Hoists and winches since 1861

Quality from tradition

Consistency and innovation are in fact two sides of the same coin, because only a constant willingness to innovate makes sustainable developments possible.

Sustainability, reliability and responsibility are among the fundamental values to which we are committed.

Throughout the company's history, they have been embodied by our employees and their endeavors to make good things even better. a little better.

Trust is good - but control is better

PLANETA hoists and rope winches are subject to the strictest quality controls and are designed for the toughest operating conditions with high functionality. Exclusively with appropriate overload tested quality products, in compliance with all EN standards, find their way to you.



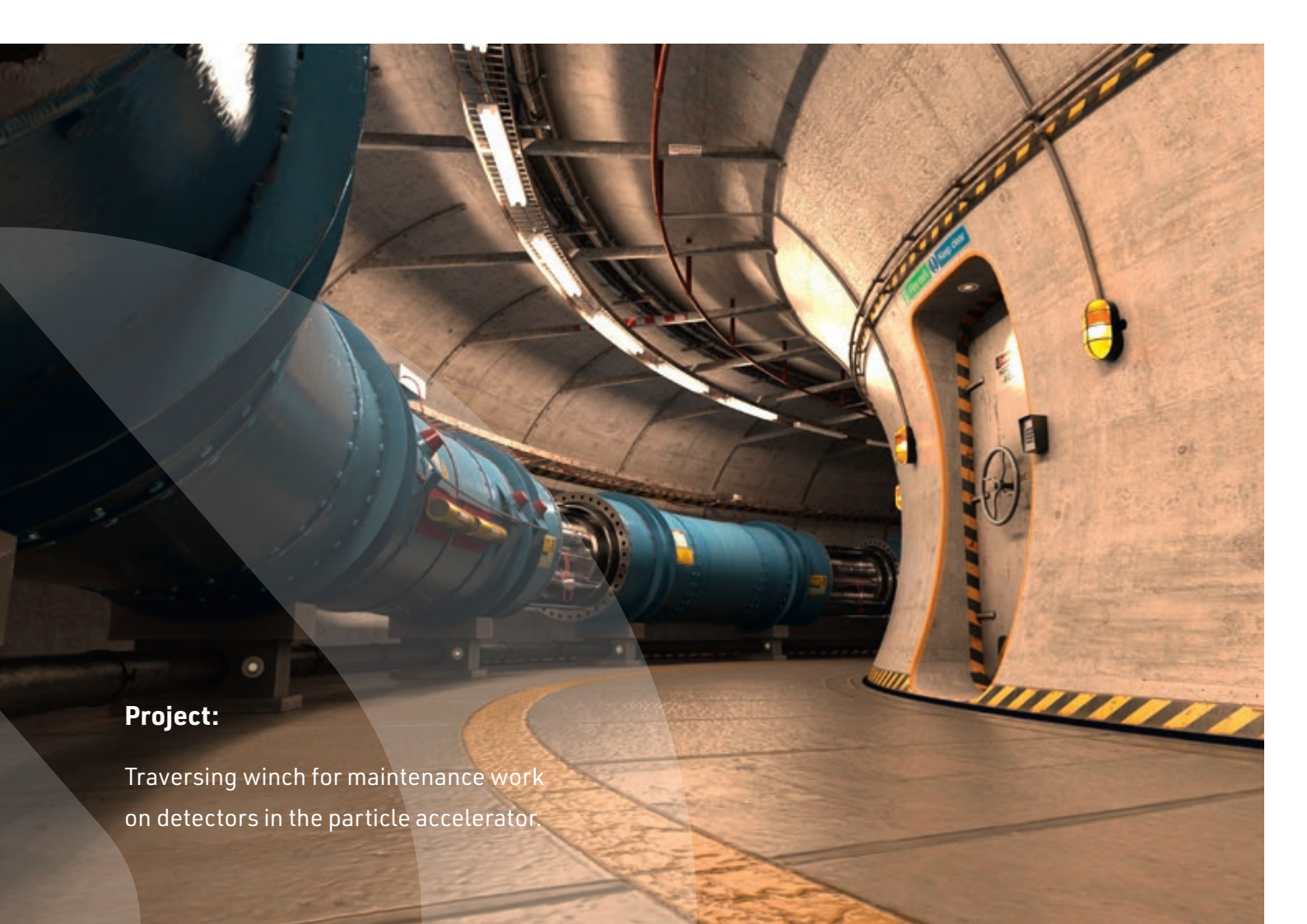
Project:

Several 1,000 electric rope winches for the wind power industry.



Project:

Personal winch for inspection shaft in highway tunnel.



Project:

Traversing winch for maintenance work on detectors in the particle accelerator.

WHAT'S YOUR CHALLENGE?

We have been defying gravity for over 160 years and are proud to be at home all over the world and in many industries. at home in many industries.

As a leading family business for high-quality hoists and cable winches, we have been working at the cutting edge since 1861 and always have our focus on the future.

Our wide product range, consisting of power-driven cable winches, series hoists and accessories, meets the highest quality standards. Whether it's small manual hoists for assembly or large, complex solutions in the field of lifting technology, we offer customized solutions for individual requirements. solutions for individual requirements.

From planning and project management to maintenance, we ensure that our hoists meet your highest safety standards. highest safety standards. Our reliable and efficient products help you to move heavy loads safely and effectively. Let's overcome the limits of gravity together and shape a successful future.

QUALITY MEANS SAFETY.

Sustainability, reliability and responsibility are values to which we feel particularly committed.

This begins with occupational health and safety during production, through to the certification of all processes as part of the annual TÜV DIN EN ISO 9001:2015 audit or membership of the GKS.



Quality
CERTIFIED



Industrial safety
CERTIFIED



Environmental protection
CERTIFIED





PARTNERSHIPS THAT STAND FOR QUALITY AND SAFETY.

Since 2000

Certified according to DIN EN ISO 9000:2001

Since 2006

Member of the Gütegemeinschaft Kranservice e.V. (GKS)

Since 2013

Certified according to OHSAS 18001:2007

Since 2017

Full Member of Lifting Equipment Engineers Association (LEEA)

Since 2019

Certified according to ISO 9001:2015, ISO 14001:2015 and SCC**.:2011



Management
System
ISO 9001:2015
ISO 14001:2015
SCC**.:2011

www.tuv.com
ID 9105039001



Full Member

Digital equipment testing.



EQUIPMENT TESTING

Every employer/company is responsible for providing safe work and operating equipment. This is why regular inspections are required by law in accordance with the German Ordinance on Industrial Safety and Health (BetrSichV). Digital equipment testing offers straightforward digital maintenance and analysis of equipment as well as the management of product data, test reports and documents.

Advantages of digital equipment testing:

- Clear labelling of the work and operating equipment
- Factory-preset product information for many products subject to mandatory testing (e.g. designation, dimensions, operating instructions, test certificates, etc.)
- Offline testing
- Maintenance and automatic management of relevant product data and documents
- Reduction in inspection costs/time required
- Process reliability (avoidance of inspection and documentation errors)
- Special smartphone user interface
- Fulfilment of legal guidelines

Advantages tester:

- User-friendly, intuitive and self-explanatory user interface
- Automatic generation of test reports with archiving
- Clear individual test planning
- Immediate retrieval of the test history
- No IT knowledge required

Further advantages:

- No IT necessary
- No software implementation/installation
- No complex user administration
- No separate data backup necessary
- No software maintenance

How does digital equipment testing work?

The software can be accessed at any time and from anywhere in the world via an internet connection. The simple interface provides inspectors with a quick overview of product data, test reports and documents. Testing and documentation made easy!



RFID and NFC chip, QR codes, barcodes.

The work and operating equipment can be labelled with RFID codes, QR codes or affixed barcodes.



Reader / mobile phones

Robust readers or mobile phones capture the identification number of the chip or barcode and transmit it to the software.



Web-based platform

The expandable software application supports you in the management and documentation of your test-relevant work and operating equipment.

HAND LIFTING EQUIPMENT

TROLLEYS

CLAMPS



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Up to 5 t in a single strand

3
YEARS
warranty

PREMIUM
PRO 3,2



LEVER HOIST | PREMIUM PRO

The next development stage of the reliable PREMIUM lever hoist is the PREMIUM PRO. Thanks to a significant weight saving, handling is improved. Despite this, the frame has been strengthened compared to the previous generation. Proven quality also ensures longevity and its design makes it very robust.

Free-running mode

When the selection switch is moved to the middle point, the unladen chain can easily be pulled through the device freely to the required usage length. This makes tensioning the chain easier.

Load chain

The tempered, galvanised load chain according to DIN EN 818-7-T is supplied with the unit. The standard lifting height is 1.5 m; any length required for higher lifting is possible.

New chain end piece

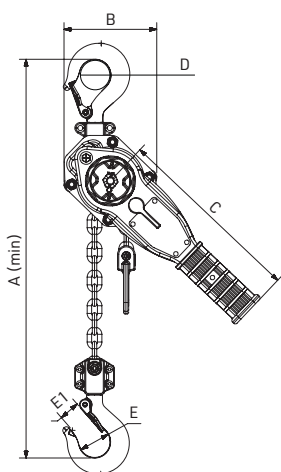
The robust chain end piece provides additional safety because it cannot be pulled through the device with the chain.

Protected handle

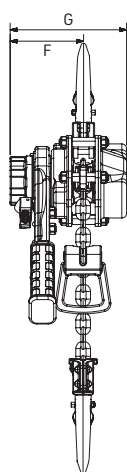
The ergonomic rubber handle on the end of the lever protects the user against injury and is also screwed in place to prevent it slipping.

Technical advantages

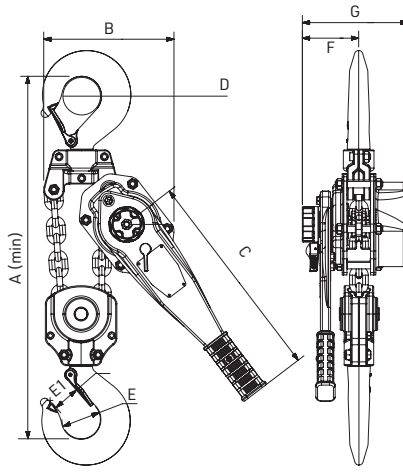
Hand lever can be used in any position thanks to the ratchet; safety automatic mechanical brake; galvanised connecting parts; cast hook clip; large, non-slip and closed hand wheel; safety chain end piece, approved for load securing according to EN 12195-3.



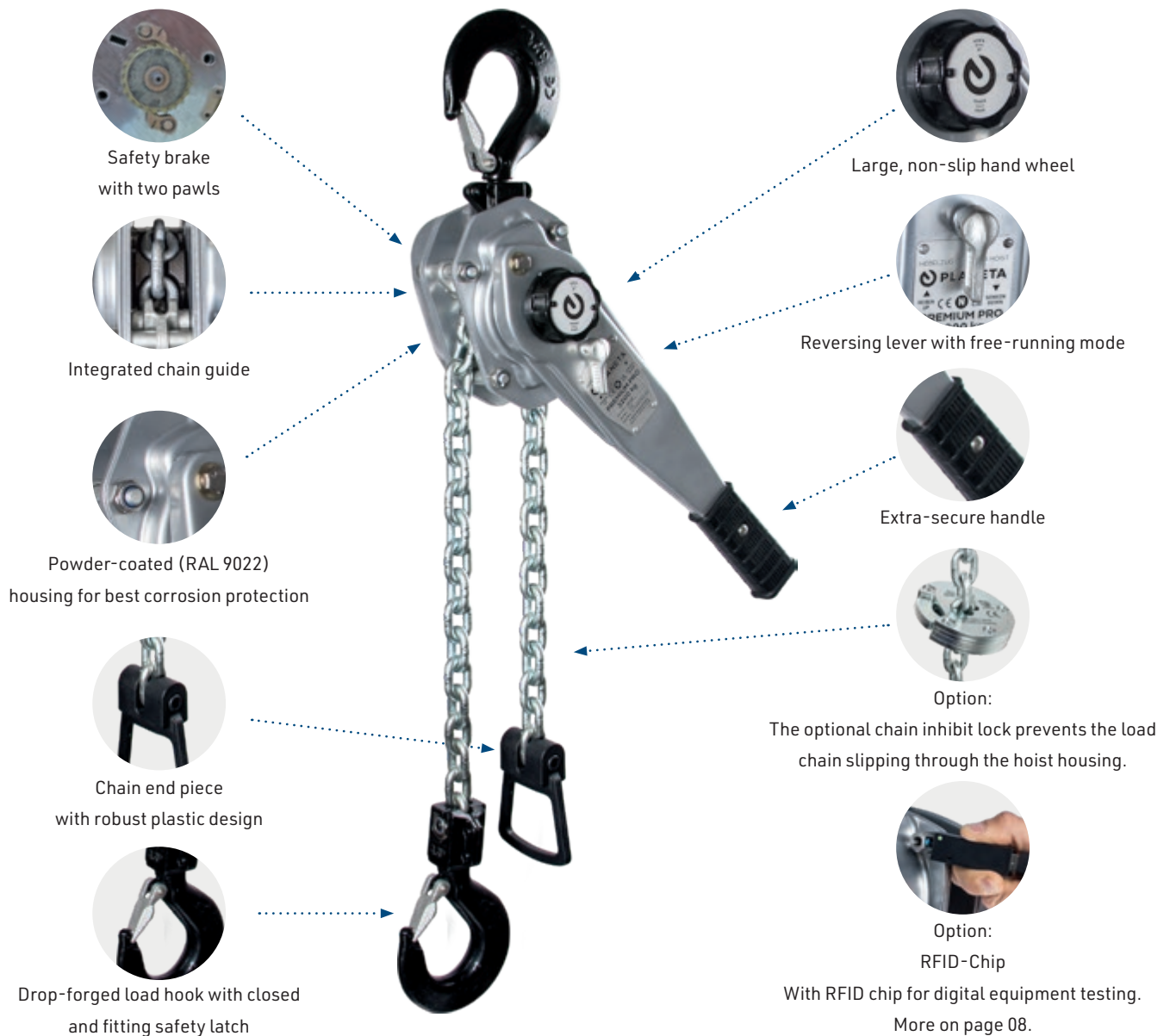
PREMIUM PRO 800 – 3,200 kg



PREMIUM PRO 6,400 kg



PREMIUM PRO 9,600 kg



TYPE	PREMIUM PRO ...	0.8	1.6	3.2	5	6.4	9.6
Capacity	kg	800	1,600	3,200	5,000	6,400	9,600
Standard lift	m	1.5	1.5	1.5	1.5	1.5	1.5
Min. headroom (A)	mm	320	360	431	655	500	635
Lever force at 100 % load	daN	22	24	33	37	36	38
Meters load chain movement with 1 round 360°	m	0.019	0.015	0.016	0.009	0.008	0.005
Number of chain falls		1	1	1	1	2	3
Chain size	mm	6 × 18	7.1 × 21	9 × 27*	13 × 36	9 × 27*	9 × 27*
B (Dimensions)	mm	115	137	169	180	238	300
C	mm	239	259	374	400	374	374
D	mm	35	42	48	60	60	70
E	mm	35	38	46	43	59	54
E1	mm	23	28.5	33	41	39	51
F	mm	91	67	98	104	98	98
G	mm	146	162	187	213	187	187
Weight with standard lift	kg	6.3	8.8	16.4	32.5	24.9	42.1
Weight for 1 m additional lifting height	kg	0.7	1.1	1.8	3.7	3.6	5.4
PREMIUM PRO ... with 1.5 m lift	Order No.	G10390	G10391	G10392	G10280	G10394	G10395
PREMIUM PRO ... with 3 m lift	Order No.	G10390-3	G10391-3	G10392-3	G10280-3	G10394-3	G10395-3
PREMIUM PRO ... with 6 m lift	Order No.	G10390-6	G10391-6	G10392-6	G10280-6	G10394-6	G10395-6
Additional 1 m lift	Order No.	G10086	G10087	G10249	G10287	G10254	G10256
Chain lock	Order No.	G10450	G10451	G10452	G10453	G10452	G10452
RFID-Chip incl. mounting	Order No.	G10600	G10600	G10600	G10600	G10600	G10600

* Grade 100



LEVER HOIST | **PLX-III**

The PLX-III lever hoist is an extremely versatile lifting and anchoring device but easy to handle. It is used in the industrial sector, in commercial transport, a support during assembly, construction and handcrafting jobs. This device stands out thanks to the high quality of serial production and its long service life even with harsh operational demands.

Simple free-running mode

When the selection switch is moved to the middle position, the unloaded chain can be pulled freely through the hoist.

Practical chain end piece

Beside to its useful function for pulling the chain through the hoist for positioning it serves as additional safety, cause it stops the chain from being pulled completely out.

Robustness

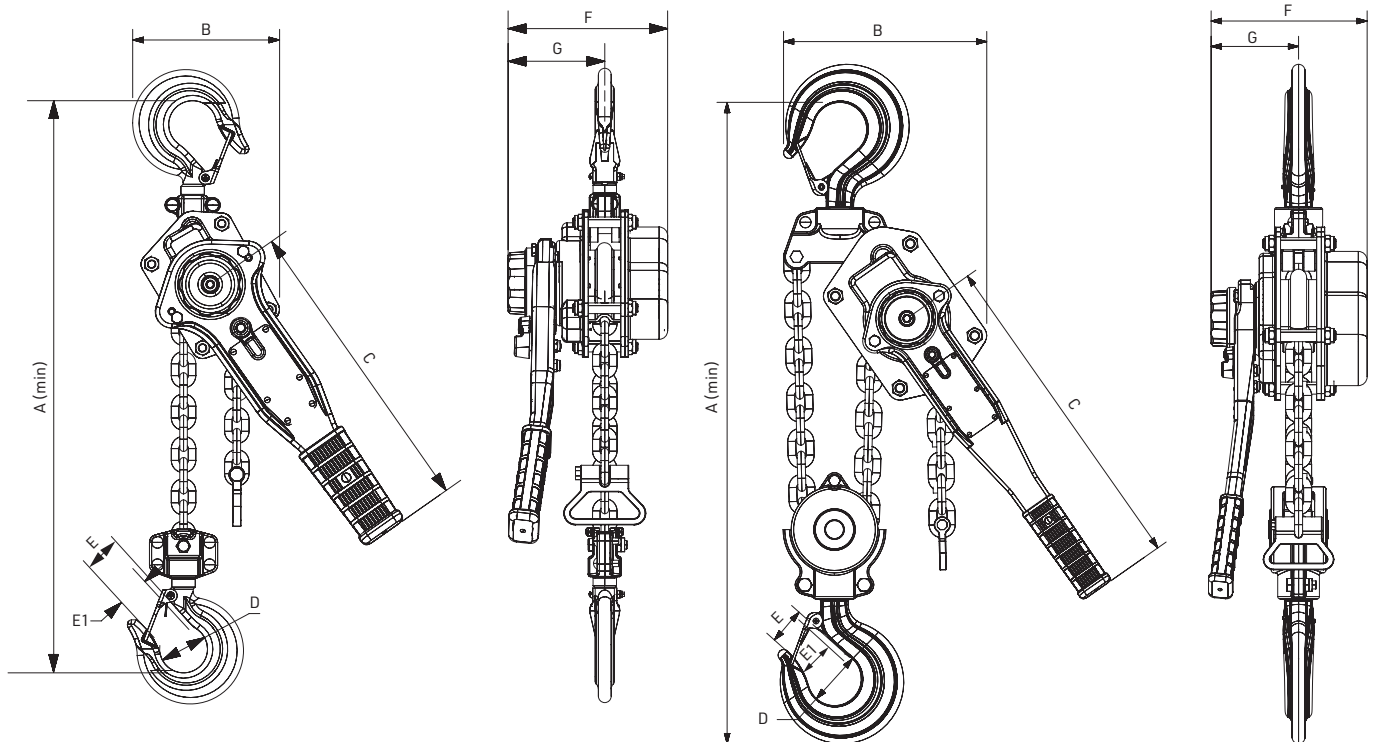
Galvanised screws, nuts and bolts prevent corrosion, even if used outdoors. The handy casted steel handwheel supports the robustness of the PLX-III lever hoist.

Rotatable hooks

The forged carrying and load hooks made of heat-treated, tempered steel are fully rotatable and equipped with spring-loaded, galvanised hook clips.

PLX-III 750 - 3,000 kg

PLX-III 6,000 kg



TYPE	PLX-III...	0.75	1.5	3	6
Capacity	kg	750	1,500	3,000	6,000
Standard lift	m	1.5	1.5	1.5	1.5
Min. headroom (A)	mm	320	380	480	600
Lever force at 100 % load	daN	14	24	32	34
Meters load chain movement with 1 round 360°	m	0.02	0,021	0,017	0,008
Number of chain falls		1	1	1	2
Chain size	mm	6 × 18	8 × 24	10 × 30	10 × 30
B (Dimensions)	mm	135	155	211	254
C	mm	290	415	415	415
D	mm	42	42.5	49	71
E	mm	32	36	41.5	47
E1	mm	27.5	30.5	36.5	46
F	mm	148	176	195	195
G	mm	88	102	109	109
Weight with standard lift	kg	7	11	19	35.5
Weight for 1 m additional lifting height	kg	0.8	1.4	2.2	4.4
PLX-III ... with 1.5 m lift	Order No.	G10350	G10351	G10352	G10353
PLX-III ... with 3 m lift	Order No.	G10350-3	G10351-3	G10352-3	G10353-3
PLX-III ... with 6 m lift	Order No.	G10350-6	G10351-6	G10352-6	G10353-6
Additional 1 m lift	Order No.	G10009	G10069	G10011	G10012
RFID-Chip incl. mounting	Order No.	G10600	G10600	G10600	G10600

ALUMINIUM-LEVER HOIST | PAH

The new PLANETA PAH aluminium ratchet lever hoist is an essential tool in industrial and service applications thanks to its very small and light design.

A closed, well-designed aluminium die-cast housing protects the inner components against dirt. Equipped with two robust hook clips, the PAH meets all safety requirements and guarantees safe work.

The new robust chain end piece provides additional safety because the chain cannot be pulled through the device in this way.

A release lever enables the chain to be pulled through quickly when not under load. Usable at ambient temperatures from -20 °C to +60 °C.

Tempered and galvanized chain according to DIN EN 818-7-T. Hand lever with rubber handle (only in the case of capacities 250 kg/ 500 kg).

Optional: With RFID chip for digital equipment testing. More on page 08.



PAH 250

PAH
1600

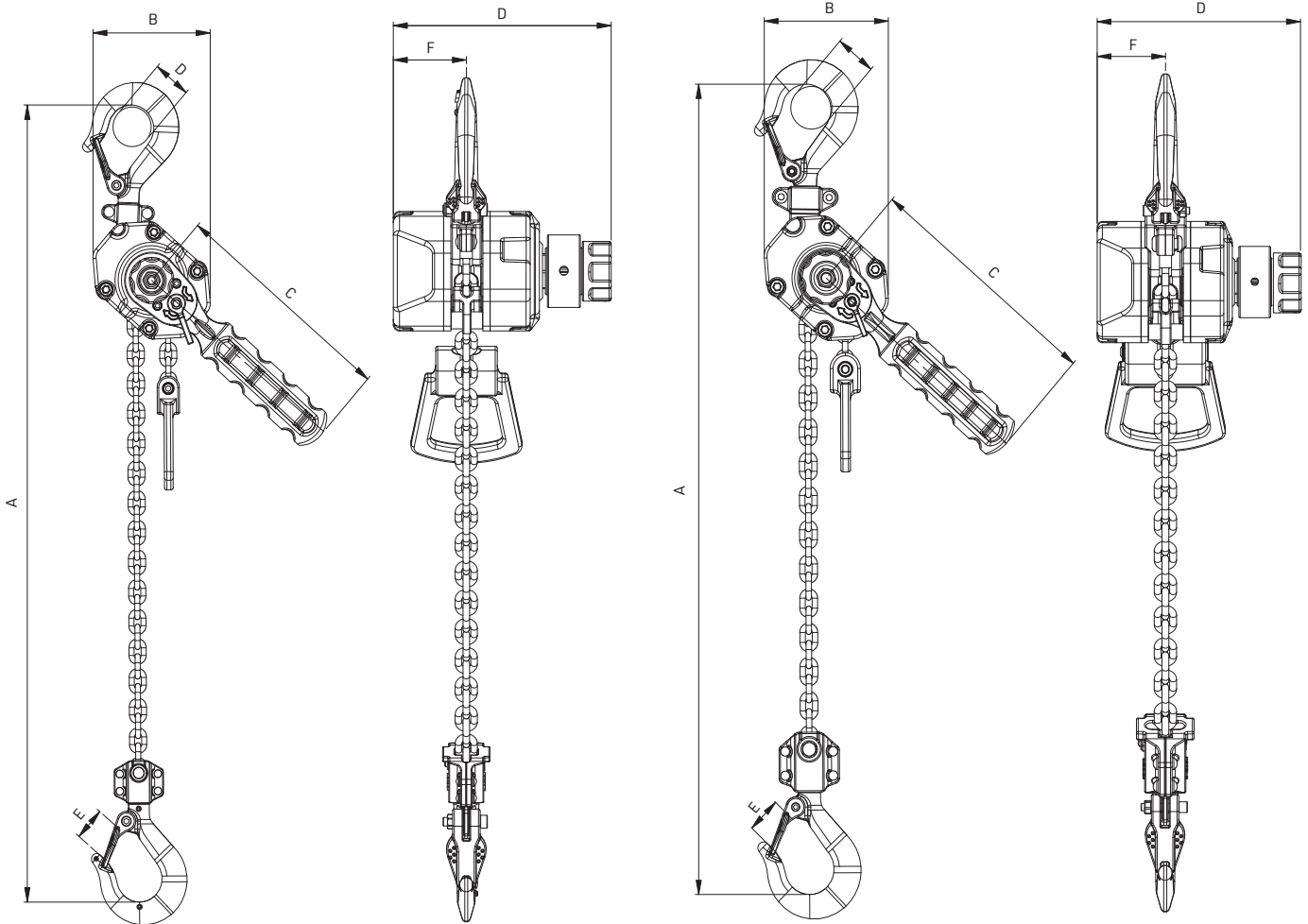


Incl. practical carrying bag for the PAH 250 & 500 versions



PAH 250 KG

PAH 500 – 3,000 kg



TYPE	PAH ...	250	500	800	1600	3200
Capacity	kg	250	500	800	1,600	3,200
Standard lift	m	1.5	1.5	1.5	1.5	1.5
Min. headroom (A)	mm	223	282	329	355	445
Lever force at 100 % load	daN	17	20	22	25	34
Number of chain falls		1	1	1	1	1
Chain size	mm	3 × 9	4 × 12	5.6 × 17	7.1 × 21	9 × 27*
B (Dimensions)	mm	74	90	115	140	170
C	mm	142	175	233	233	350
D	mm	30	35	39	44	60
E	mm	20	22	28	30	41
F	mm	36	40	55	70	88
G	mm	105	117	140	158	185
Weight with standard lift	kg	1.6	2.7	5.1	7.6	14.7
Weight for 1 m additional lifting height	kg	0.2	0.4	0.7	1.1	1.8
PAH ... with 1.5 m lift	Order No.	G10460	G10461	G10462	G10463	G10464
PAH ... with 3 m lift	Order No.	G10460-3	G10461-3	G10462-3	G10463-3	G10464-3
PAH ... with 6 m lift	Order No.	G10460-6	G10461-6	G10462-6	G10463-6	G10464-6
Additional 1 m lift	Order No.	G10465	G10007	G10086	G10087	G10249
RFID-Chip incl. mounting	Order No.	G10601	G10601	G10601	G10601	G10601

* Grade 100



MANUAL CHAIN HOIST | PREMIUM PRO-II

Compact and light

The new PREMIUM PRO-II chain hoist is the systematic development of the established PREMIUM series and is manufactured using the latest technology. Compared to its predecessors, it is much lighter and provides better handling thanks to its compact design. Despite the weight saving, working stability has been improved thanks to the clever construction. The chromeplated housing for corrosion protection and overload protection as standard reinforce the high quality of the PLANETA-PREMIUM PRO product.

Load chain

Tempered and galvanised load chain "Made in Germany" according to DIN EN 818-7-T. Up to 3 t in a single strand. Higher lifting on request, any length can be delivered.

Galvanised or powder-coated on all sides

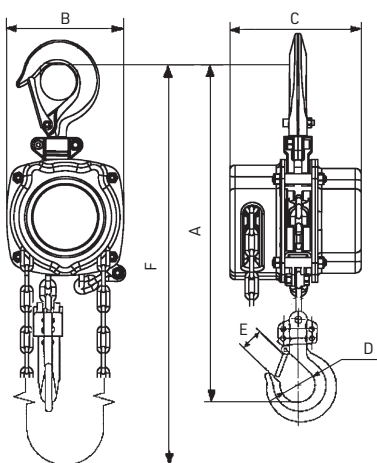
Dirt or rain have no effect on this device. All connection and housing parts are protected against corrosion.

Chain mounting

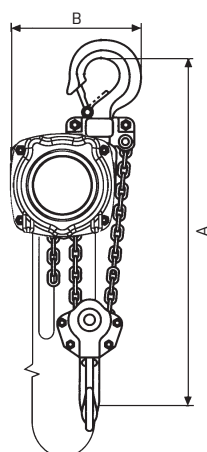
Thanks to the easily-accessible chain mounting, any user can insert a longer chain if required.

Options:

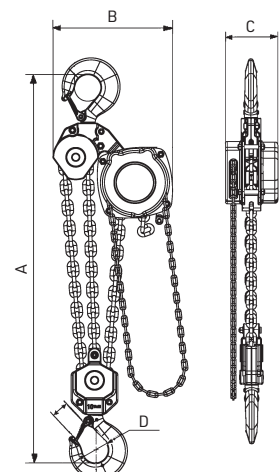
- Short model as a combination of chain hoist PREMIUM PRO and trolley
- Chain bag as an accessory
- Also available with GL (Germanischer Lloyd) certification!
- For shipyards, ships and the chemical industry.
- ATEX-Design



PREMIUM PRO-II 250 - 3,000 kg



PREMIUM PRO-II 5,000 kg



PREMIUM PRO-II 10,000 kg

Safety brake with two pawls hold the load in any position safely!
All parts corrosion protected!

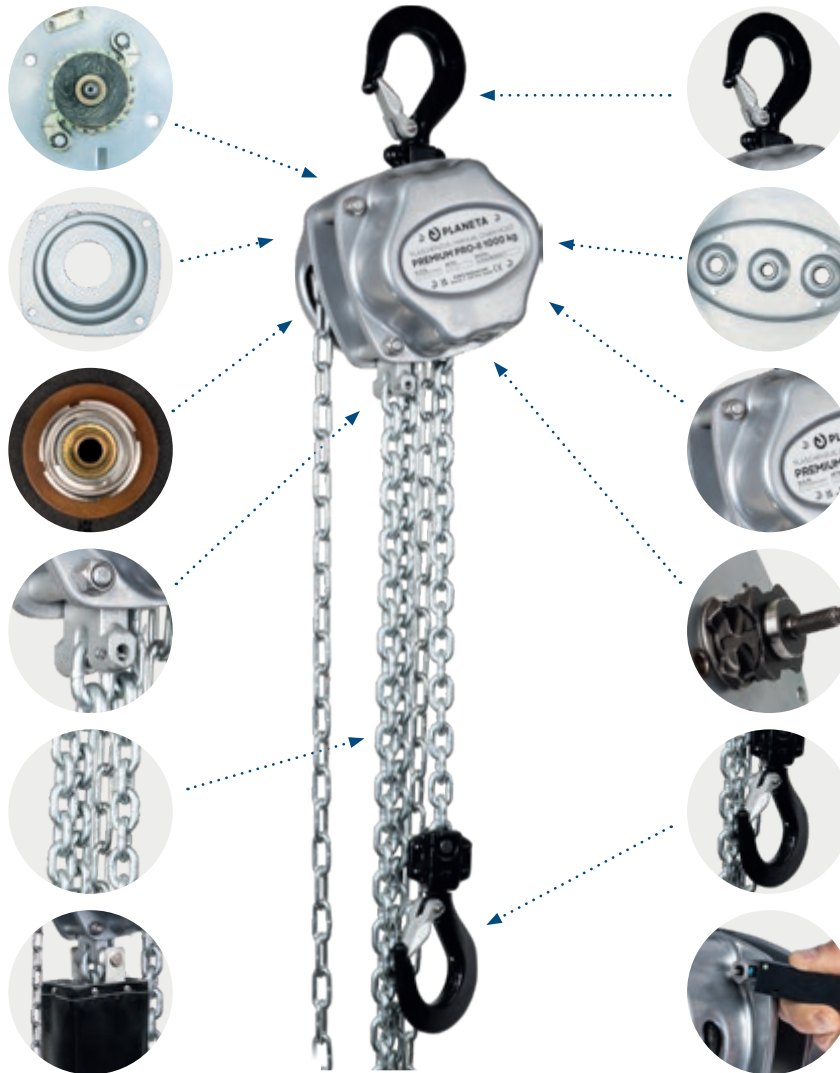
Extra brake dust cover

Standard overload protection (over 500 kg)

Chain mounting for lower terminal link

Tempered and galvanized load chain acc. DIN EN 818-7-T

Option: Chain bag



Swivelling top and bottom hook

3-fold bearing of the gearbox

Powder-coated (RAL 9022) housing for best corrosion protection

Ball bearing mounted sprocket shaft

New cast hook clips

Option:
With RFID chip for digital equipment testing.
More on page 08.

TYPE	PREMIUM PRO ...	0.25	0.5	1	1.5	2	3	5	10	15	20	30	40
Capacity	kg	250	500	1,000	1,500	2,000	3,000	5,000	10,000	15,000	20,000	30,000	40,000
Standard lift	m	3	3	3	3	3	3	3	3	3	3	3	3
Min. headroom (A)	mm	285	316	367	409	428	504	637	735	1,036	1,031	1,149	1,557
Hand chain force	daN	22	22.1	33.2	32.3	43	40.6	33.8	45.1	36	38	40	40
Hand chain operation length	m	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Meters hand chain to pull to lift 1 m	m	14.8	29.5	39.4	60.8	60.8	96.7	193.3	290	290	386.7	580	773.3
Number of chain falls		1	1	1	1	1	1	2	3	6	8	12	16
Chain size	mm	4 × 12	5 × 15	6 × 18	8 × 24	8 × 24	10 × 30	10 × 30	10 × 30*	10 × 30	10 × 30	10 × 30	10 × 30
B (Dimensions)	mm	102	122	152	176	176	216	259	344	441	432	532	961
C	mm	112	117	144	156	156	167	167	167	221	222	220	282
D	mm	35	35	44	48	50	59	68	91	97	106	150	216
E	mm	23	23	30	31	34	40	47	61	65	73	92	148
F	m	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Weight with standard lift	kg	5.9	7.6	11.5	17.2	17.2	27	40.5	61.9	137.9	202.9	268.9	440
Weight for 1 m additional lifting height**	kg	1.2	1.4	1.7	2.3	2.3	3.1	5.3	7.5	14.9	19.3	28.1	36.9
PREMIUM PRO-II ... with 3 m lift	Order No.	G10310	G10311	G10312	G10313	G10314	G10315	G10316	G10317	G10308	G10318	G10319	G10309
PREMIUM PRO-II ... with 6 m lift	Order No.	G11310-6	G11311-6	G11312-6	G11313-6	G11314-6	G11315-6	G11316-6	G11317-6	G11318-6	G11319-6	G11320-6	G11321-6
PREMIUM PRO-II ... with 10 m lift	Order No.	G11310-10	G11311-10	G11312-10	G11313-10	G11314-10	G11315-10	G11316-10	G11317-10	G11318-10	G11319-10	G11320-10	G11321-10
Additional 1 m lift	Order No.	G10270	G10271	G10242	G10243	G10243	G10272	G10246	G10247	G10273	G10248	G10058	G10274
RFID-Chip incl. mounting	Order No.	G10600	G10600	G10600	G10600	G10600	G10600	G10600	G10600	G10600	G10600	G10600	G10600
Chain bag Size 1	max. lift in m	26	16	11	6	6	4	2	o. A.		o. A.		o. A.
	Order No.	G10500	G10501	G10502	G10503	G10504	G10505	G10506	G10507	on request		G10508	G10509
Chain bag Size 2	max. lift in m	32	19	14	8	8	5	2.5	o. A.		o. A.		on request
	Order No.	G10510	G10511	G10512	G10513	G10514	G10515	G10516	G10517	on request		G10518	G10519
Chain bag Size 3	max. lift in m	38	22	17	10	10	6	3	o. A.		o. A.		on request
	Order No.	G10520	G10521	G10522	G10523	G10524	G10525	G10526	G10527	on request		G10528	G10529

* Grade 100 **1 m operating length and 1 m lift



PLM-II
1

PLM-II
2



MANUAL CHAIN HOIST | **PULLMASTER-II**

The manual chain hoist PLANETA – Pullmaster-II is our valued price alternative to many hoists on the market. It complies fully with all relevant. International standards and the CE-regulations for Europe. Its solid design and easy way of handling made him many friends through the last years. You will find Pullmaster-II in many kinds of industry, shipyards, on cranes and also for maintenance.

Safety brake

The large sized safety brake works instantly when operation is stopped, holding the load safely in any position.

Reliable material

The housings are made of steel, the hook holder and sheeves are of cast steel. This makes Pullmaster-II robust and sturdy.

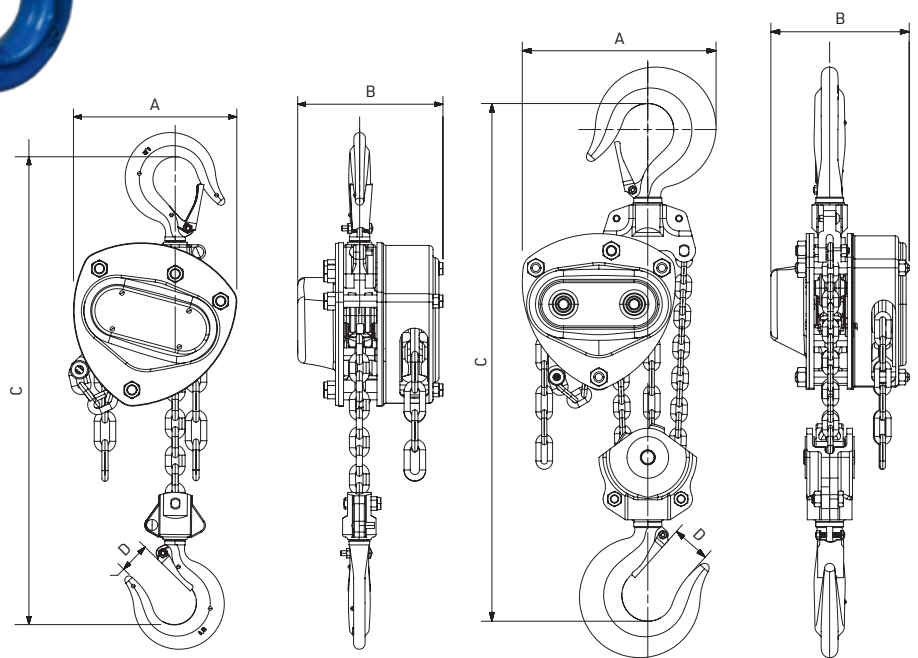
Swivel hook

Top and bottom hook are out of tempered high tensile steel. They have spring loaded, galvanized safety latches with side bending protection.

Luxery rust protection

Screws, nuts, discs, washers, bolts, the complete middle section and the chains are galvanized to offer a reliable corrosion protection. All other steel parts are painted or powder-coated with our best blue finish. Top quality load chain accords to EN 818-7-T and shines zinc galvanized.

Option: With RFID chip for digital equipment testing. More on page 08.



PULLMASTER-II 500-1,500 kg

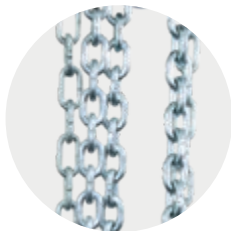
PULLMASTER-II 2,000-5,000 kg



Integrated chain guide



Chain mounting for lower terminal link



Tempered and galvanized load chain acc. EN 818-7-T



Forged top hook with galvanized safety latch



Gear wheels made case hardened steel



Reliable safety brake with 2 pawls keeps the load in position



Drop forged, quenched and tempered safety hook with precise safety latch

TYPE	PULLMASTER-II ...	0.5	1	1.5	2	3	5	10
Capacity	kg	500	1,000	1,500	2,000	3,000	5,000	10,000
Standard lift	m	3	3	3	3	3	3	3
Min. headroom (A)	mm	285	332	410	455	530	620	737
Hand chain force	daN	19	24	33	24	33	32	32
Hand chain operation length	m	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Meters hand chain to pull to lift 1 m	m	25.5	41.5	44.8	82.9	89.6	154.9	309.7
Number of chain falls		1	1	1	2	2	2	4
Chain size	mm	5 × 15	6 × 18	8 × 24	6 × 18	8 × 24	10 × 30	10 × 30
C (Dimensions)	mm	120	147	181	147	181	224	373
B	mm	116	136	147	136	147	177	177
D	mm	28	32	38	40	45	50	64
Weight with standard lift	kg	7.5	11.5	15.8	16	22	37	68
Weight for 1 m additional lifting height*	kg	1.3	1.6	2.2	2.4	3.6	5.2	9.6
PULLMASTER-II ... with 3 m lift	Order No.	G10530	G10531	G10538	G10532	G10533	G10534	G10535
PULLMASTER-II ... with 6 m lift	Order No.	G10530-6	G10531-6	G10538-6	G10532-6	G10533-6	G10534-6	G10535-6
PULLMASTER-II ... with 10 m lift	Order No.	G10530-10	G10531-10	G10538-10	G10532-10	G10533-10	G10534-10	G10535-10
Additional 1 m lift	Order No.	G10241	G10242	G10243	G10244	G10536	G10246	G10537
RFID-Chip incl. mounting	Order No.	G10600	G10600	G10600	G10600	G10600	G10600	G10600

*1 m operating length and 1 m lift

Manual chain hoist



MANUAL CHAIN HOIST | **PREMIUM PRO-E**

Available up to 1,000 kg capacity. The new PREMIUM PRO-E series hoist is a further development of our reliable PREMIUM PRO manual chain hoist. Instead of a hand chain, this hoist is driven by a cordless screwdriver. Corrosion protection and material are on the same high level. The work can now be done with less effort.

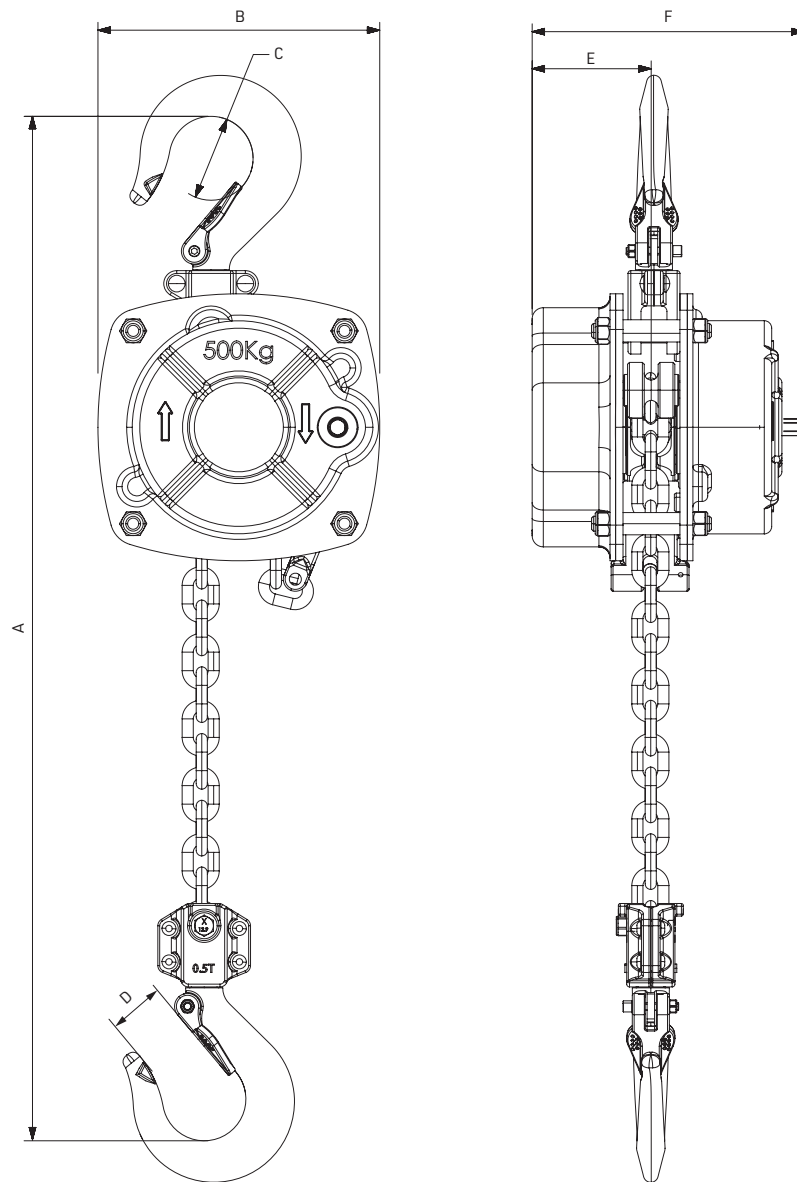
Product features:

- Galvanized load chain acc. EN 818-7-T
- Fully corrosion protected
- Closed housing against dust and dirt
- 360° free turnable load and top hook, made of tempered steel
- Driven by cordless screwdriver

Operate only in accu-/ battery-operation! No operation by pneumatic or hydraulic or mains-powered support.

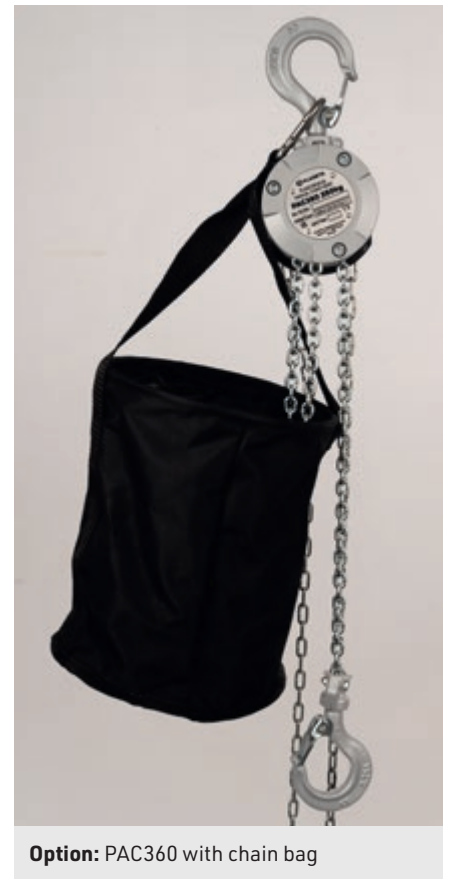
Option: With RFID chip for digital equipment testing.

More on page 08



TYPE	Premium Pro-E ...	0.25	0.5	1
Capacity*	kg	250	500	1,000
Chain size	mm	5 × 15	6 × 18	8 × 24
Number of chain falls		1	1	1
Min. headroom (A)	mm	318	390	417
Powerdrive speed	r/min	2,500	2,500	2,500
Lifting speed at max. drive speed	m/min	2.35	2.12	1.46
B (Dimensions)	mm	122	152	176
C	mm	35	45	50
D	mm	25	30	34
E	mm	54	64	76
F	mm	123	147	164
Net weight	kg	7.6	10.5	16.2
Weight for 1 m additional lifting height	kg	0.5	0.8	1.4
PREMIUM PRO-E with 3 m lift	Order No.	G10470	G10471	G10472
PREMIUM PRO-E with 6 m lift	Order No.	G10470-6	G10471-6	G10472-6
PREMIUM PRO-E with 10 m lift	Order No.	G10470-10	G10471-10	G10472-10
Additional 1 m lift	Order No.	G10473	G10474	G10475
RFID-Chip incl. mounting	Order No.	G10600	G10600	G10600

* Capacities 2,000 kg, 3,000 kg on request!



Option: PAC360 with chain bag

MINI-ALUMINIUM-MANUAL CHAIN HOIST | PAC360

Experience innovation and efficiency with the PAC360 mini aluminium manual chain hoist.

Why PAC360?

Compact, lightweight and portable

The PAC360 is ideal for mobile use. Its low weight and compact design make it an indispensable companion in any situation.

Robust and durable

The one-piece aluminium housing ensures maximum stability and durability, even under the toughest conditions.

Innovative 360° rotating hand chain guide.

Experience the freedom and flexibility of the 360° freely rotating hand chain guide, which makes working from any position easier.

Low hand chain pull forces

Minimum effort required for maximum lifting performance, in the case of protection through overload protection.

Larger hook openings

More application options for a wide range of industrial sectors thanks to the more flexible hooks.

High work safety.

The flexible handling and variable working angle allow you to work in safe areas, even near heavy loads.

Low overall height.

Perfect for confined spaces and demanding locations where space is at a premium.

Galvanised hand chain

Maximum corrosion protection and reliability, even in harsh environments.

Chain in accordance with DIN EN 818-7-T

Premium quality and safety, certified according to international standards.

Technical data:

- Capacities from 250 kg to 500 kg
- Standard lift: 3 m
- Hand chain: 2.5 m
- Freely rotatable 360° rotating hand chain guide
- Chain according to DIN EN 818-7 T
- Swivelling top and bottom hook
- Galvanised hand chain
- Overload protection

Option:

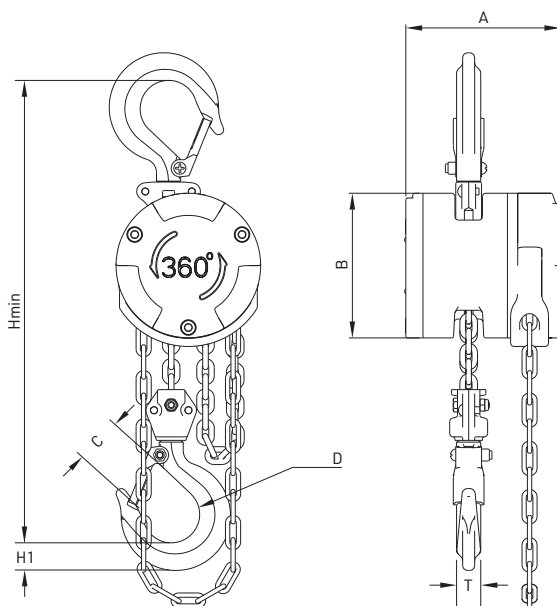
- Chain bag



Application example: Operator standing to the left of the load

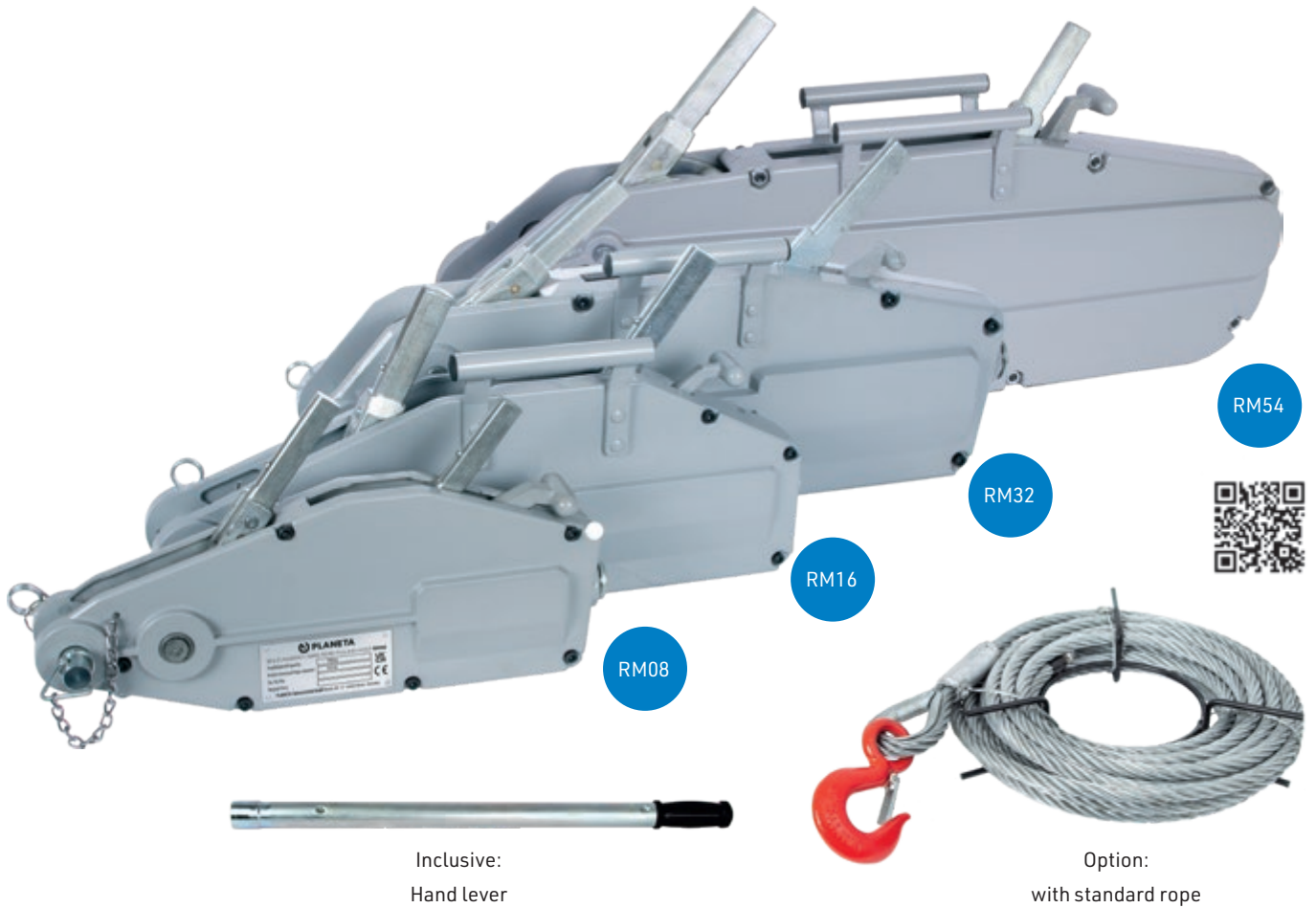


Application example: Operator standing to the right of the load



TYPE	PAC360...	250	500
Capacity	kg	250	500
Standard lift	m	3	3
Min. headroom (Hmin)	mm	263	290
Hand chain force	daN	15	19
Hand chain operation length (F)	m	2.5	2.5
Meters hand chain to pull to lift 1 m	m	33.2	60.8
Number of chain falls		1	1
Chain size	mm	3.2 × 9	4.3 × 12
A (Dimensions)	mm	91	103
B	mm	84	104
C	mm	20	25
D	mm	33	33
T	mm	12	16
H1	mm	16	20
Weight with standard lift	kg	1.8	2.8
Weight for 1 m add. lifting height*	kg	0.6	0.7
PAC360 with 3 m lift	Order No.	G10480	G10481
PAC360 with 6 m lift	Order No.	G10480-6	G10481-6
PAC360 with 10 m lift	Order No.	G10480-10	G10481-10
Additional 1 m lift	Order No.	G10485	G10486
Chain box	Order No.	S10490	S10490

* 1 m operating length and 1 m lift



Inclusive:
Hand lever

Option:
with standard rope

GRIP PULLER | ROPEMASTER

The housing is made of corrosion resistant lightweight durable aluminium die cast. This makes the hoist very robust and light enough to carry it around the job. We supply the puller complete with lever and spare overload protection pins, stowed conveniently inside the cap of the lever grip or carrying handle. The wire rope, wounded on a reel with hook, is Option.

Versatile

Cranes lift, winches pull, lever hoists span and tie. A PLANETA - ROPEMASTER is all in one! Four capacities up to 5.4 tons are offered and if you need more power, then wire rope blocks can multiply the force.

See the picture below how 10 tons can be moved! Please ask us for sheaves.

Simple operation

The unloaded ROPEMASTER allows you to pull the rope through the body quickly and to the right distance. Now anchor your ROPEMASTER safely! The long rope provides lots of play. Put the long lever pipe on handle 1 for pulling, on handle 2 for lowering. Simply pump the lever. Whenever you stop, the load will be held safely. It's that easy!

Overload protected

Protection pins in handle 1 break if the load is too high. No more pulling or lifting is possible then. But the break function is still active. Just replace the

pin quickly without unloading the puller.

Option accessories

- Sling per DIN 3088
- Shackle to secure the device
- Round slings
- Cable winch box

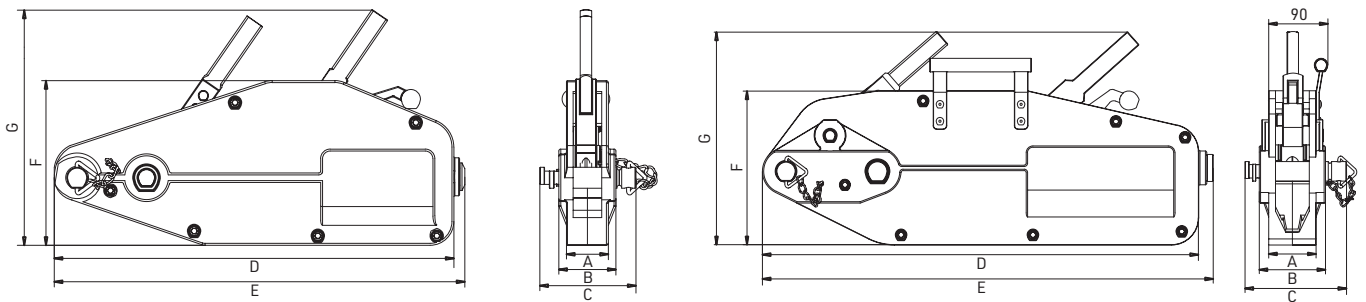


Overload protection thanks to shear pins

Simple cable insertion by opening the clamping jaw lever

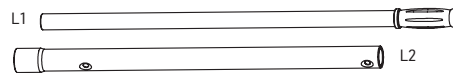
Robust detent pin

Housing made of high-strength aluminium alloy



RM08

RM32



TYPE		RM08	RM16	RM32	RM54
Capacity	kg	800	1,600	3,200	5,400
Rope movement per lever action	mm	52	55	28	30
Lever force at full load	daN	34	40	44	74
Lever length	mm	800	1,200	1,200	1,200
Rope diameter	mm	8.3	11	16	20
Weight of rope	kg/m	0.29	0.53	1	1.65
Standard rope length	m	20	20	20	20
A (Dimensions)	mm	44	56	70	90
B	mm	60	68	98	160
C	mm	101	120	150	200
D	mm	420	545	645	935
E	mm	430	556	666	940
F	mm	172	200	227	300
G	mm	240	270	320	410
L1	mm	800	800	800	880
L2	mm	-	1,200	1,200	1,350
Weight with rope	kg	6.4	12.4	21.2	58
Weight with rope and lever	kg	14.6	26.4	46.2	94.3
RM Puller without rope	Order No.	G10100	G10101	G10102	G10114
RM Puller with standard rope	Order No.	G10103	G10104	G10105	G10115
Guide roller	Order No.	D01160	D01162	D01162	D01169



BK 10



BEAM CLAMP | BK

Mobile attachment device

The girder clamp BK is a simple and safe load attachment tool. Its easy two-step operation makes it ideal for urgent tasks and assembly jobs. Twist and open the spindle to the width of the beam flange, push over the flange and close tightly. The clamp can also be used for the lifting and transfer of steel beams and as a pulling clamp.

Attachment point

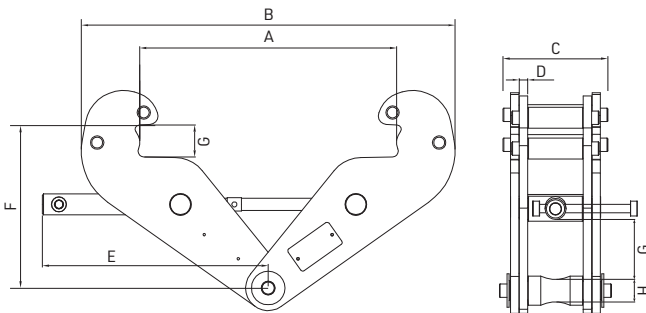
Attachment points can be established quickly to hold hoists and deflection pulleys on a wide range of beams, transporting beams and corresponding bearing structures, fast preparation of cross-beams – in particular for asymmetrical load distributions, preventing and damage to cables and chains.

Short set-up time

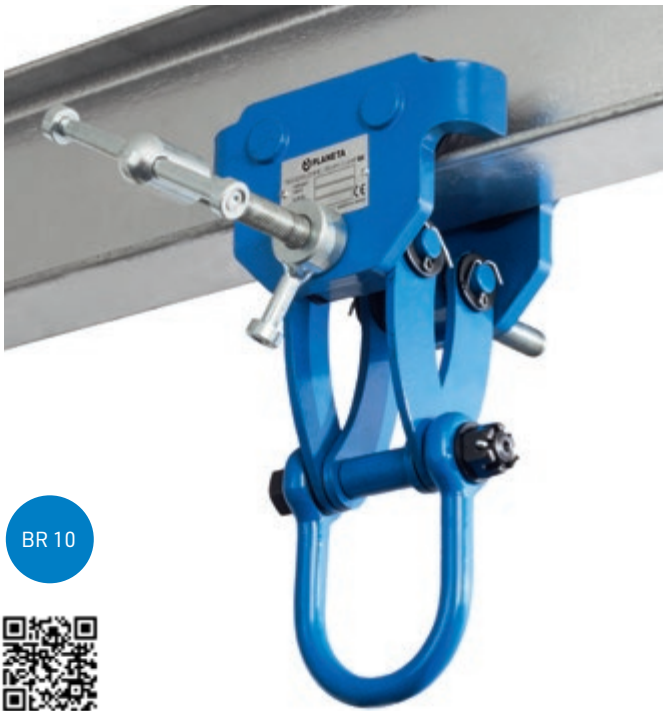
For assembly and repair work, beam clamps with changeable clamping ranges are ideal tools. The set-up times are shortened and missing, often improvised attachments points become safer.

Features

The frame of the beam clamp is made from solid steel plates and the spindle is made from high tensile galvanized steel that normally forgives a strong tightening.



TYPE	BK ...	10	20	30	50	100
Capacity	kg	1,000	2,000	3,000	5,000	10,000
Grip range A min.	mm	75	75	80	90	90
Grip range A max.	mm	230	230	320	320	320
Flange width J	mm	20.8	20.8	34.3	34.3	42.7
B (Dimensions)	mm	180	180	220	220	250
B max.	mm	375	375	498	498	514
C	mm	80	90	117	127	139
D	mm	5	5	8	10	16
E	mm	220	220	271	271	280
F min.	mm	102	102	168	168	172
F max.	mm	160	160	240	240	242
G min.	mm	29	28	60	57	55
H	mm	20	22	24	30	40
Weight	kg	4	5	9	11	18
	Order No.	F00031	F00032	F00033	F00034	F00035



BR 10



TROLLEY | BR

Trolley BR = clamp on wheels

The grip trolley type BR with its integrated push trolley is used as a helper for all kind of mounting, assembly and erection work. Setting to the beam flange width is performed by rotating the threaded spindle.

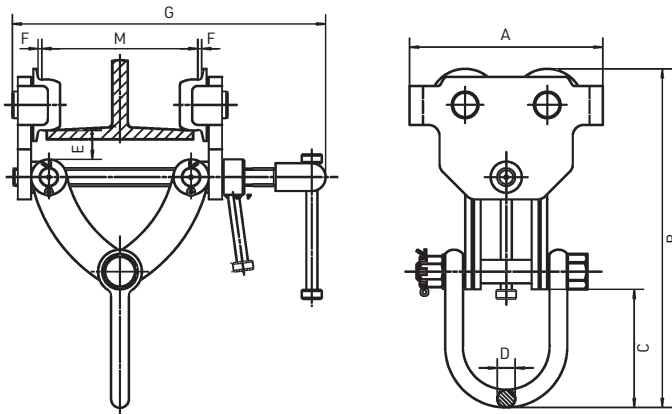
For security, the locking lever is turned against the side plate. It can be adjusted to a wide beam area and different profiles (e.g. INP, IPE and IPB).

Optimum run

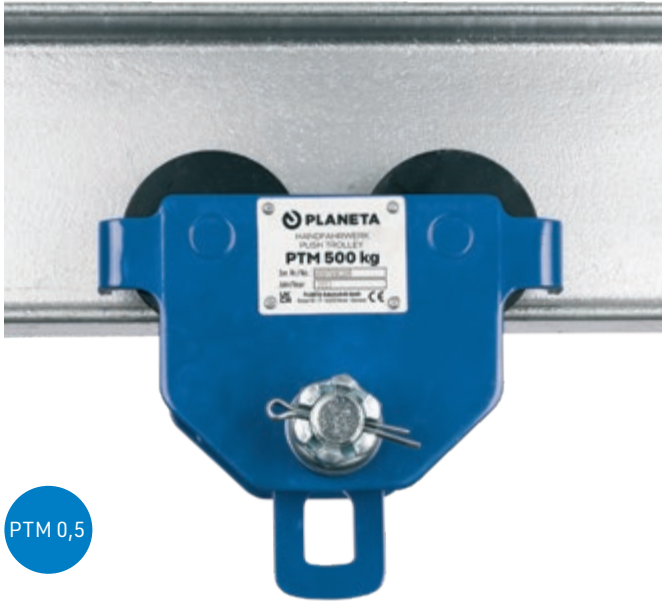
The mechanically machined steel rollers and the closed ball bearings are permanently lubricated. The spindle is protected against corrosion by zinc galvanization.

Accident prevention regulation safety

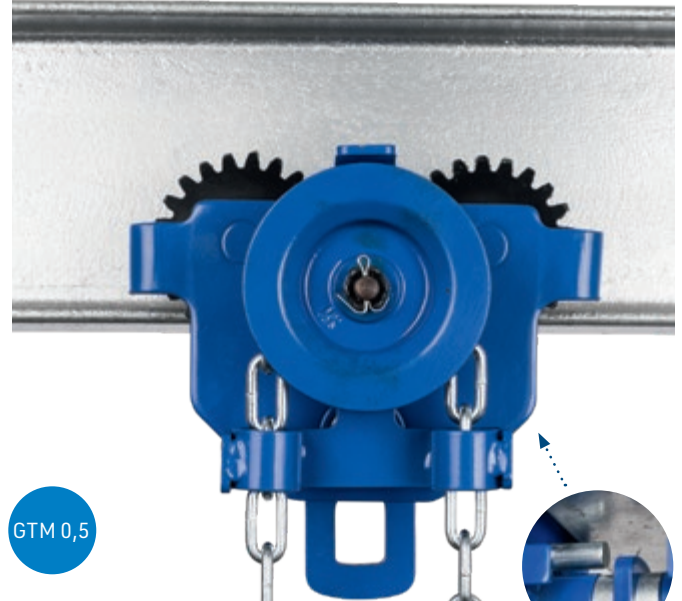
The beam clamp with integrated roller carriage complies with the accident prevention regulations for perpendicular lifting. Each model BR clamp is tested with excess loads. The devices are delivered with a test certificate specifying the serial number and an operating manual with an integrated EC Declaration Of Conformity.



TYPE	BR ...	10	20	30	50
Capacity	kg	1,000	2,000	3,000	5,000
Grip range M min.	mm	64	76	76	100
Grip range M max.	mm	203	203	203	305
Curve radius	m	1.1	1.3	1.4	1.5
A (Dimensions)	mm	174	280	340	385
B min./max.	mm	263 - 324	339 - 387	374 - 438	450 - 528
C	mm	105	111	127	135
D	mm	Ø 16	Ø 22	Ø 27	Ø 35
E	mm	25.4	25.4	26	81
F	mm	≈ 3	≈ 3	≈ 3	≈ 3
G	mm	340	340	345	465
Weight	kg	7	19.5	32	53
	Order No.	F00042	F00036	F00037	F00039



PTM 0,5



GTM 0,5

Falling down protection



Push trolley | **PTM**



Gear type trolley | **GTM**

TROLLEY | **PTM & GTM**

The manual trolleys are moved against the load by pressing; on the reel chain trolley, pulling the endless manual chain moves the goods to be transported to the right or left.

The PREMIUM PRO hoists with the same load bearing capacity can be attached to and removed from the longitudinal eye without problems using the hook, which compensates for swinging loads.

The manual chains are galvanised to protect the user and for a long service life. Installation is performed by sliding onto the open beam.

Robust side plates

Balanced load distribution on four wheels thanks to self-adjusting links

around the bolt axis! Four safety tabs on the ends of the side plates are used as wheel-break supports, rail cleaners and fall protection.

Ball bearings

The cast iron wheels are quiet and safe due to the lifetime lubricated, sealed ball bearings. They ensure that the trolleys run smoothly and safely.

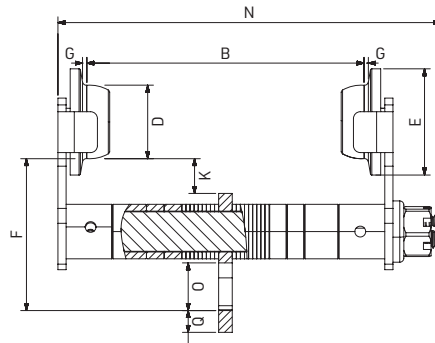
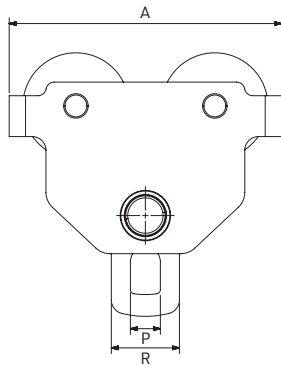
Large flange adjustability

PTM- & GTM-trolleys are adjustable for various beam sizes by simply changing the number of spacers. The standard bolts are for small flange widths, size 2 bolts allow the use on wider flanges like high HE-B-girders with 300 mm widths (for special beams: additional

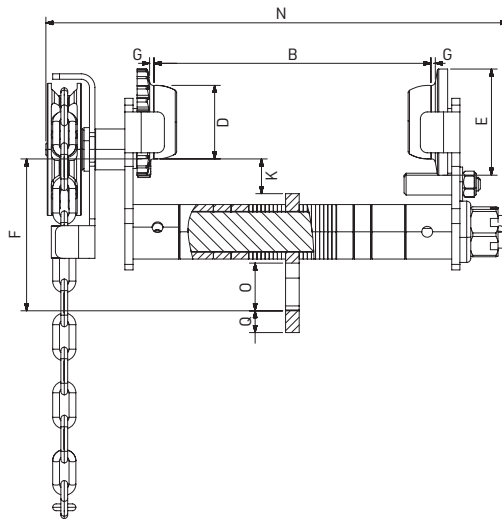
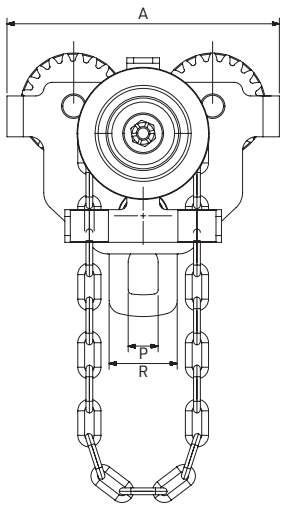
charge on request). A starting buffer can be supplied as an option.

Important: The manual trolleys shown are designed for use with manual hoists. use with manual lifting equipment.

PTM



GTM



TYPE	PTM ...	0.5	1	2	3	5	10	-
TYPE	GTM ...	0.5	1	2	3	5	10	20
Capacity	kg	500	1,000	2,000	3,000	5,000	10,000	20,000
Flange width B min. - max. PTM / GTM	mm	50 - 203 / 64 - 203	64 - 203	88 - 203	100 - 203	114 - 203	124 - 203	136 - 203
Min. curve radius	m	0.8	0.9	1	1.2	1.3	1.7	2.8
Hand chain operation length GTM	m	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Reel path for 1 m path GTM	m	3	3.6	4.7	5.7	6.3	8	10.6
A (Dimensions)	mm	200	236	276	326	380	426	522
D	mm	54	67	80	100	109	133	170
E	mm	78	96	110	134	145	176	228
F	mm	112	134	163	186	224	198	248
G	mm	3	3	3	4	4.5	4.5	4
K	mm	25	34	28	32	38	50	58
N	mm	281	292	305	321	328	341	-
N1	mm	339	351	362	375	386	410	466
O	mm	30	38	55	66	77	108	113
P	mm	22	30	37	42	50	86	106
Q	mm	16	20	25	26.5	34	48	57
R	mm	50	70	90	100	120	-	-
Net weight PTM	kg	7	10.5	17.5	27	41	74	-
Net weight GTM	kg	10.2	14.5	21.5	31	46	79	173
PTM	Order No.	G20000	G20001	G20002	G20003	G20004	G20005	-
GTM with 2.5 m operation length	Order No.	G20006	G20007	G20008	G20009	G20010	G20011	G20012
Larger flange width min. - max.	mm	64 - 305	64 - 305	88 - 305	100 - 305	114 - 305	124 - 305	136 - 305
	Order No.	G20013	G20014	G20015	G20016	G20018	G20019	G20047
Add. operator length hand chain per m	Order No.	G20017	G20017	G20017	G20017	G20017	G20017	G20017

More capacities on request!



PTS 1



GTS 1



Falling down protection



Push trolley | **PTS**



Gear type trolley | **GTS**

TROLLEY | **PTS & GTS**

The trolleys are manufactured in high quality and are designed for hard and durable operation. The PREMIUM PRO and PULLMASTER-II manual chain hoists with the same load capacity can be easily hooked in and out with the hook. The trolleys have rubber buffers on both sides! Can be used in ambient temperatures from -20 °C to +60 °C.

Wide adjustment range

By turning the threaded spindle, the trolley can be adjusted to many beam widths.

The profiled rollers are suitable for all common carrier profiles, so that this trolley can be used very flexibly.

The standard flange width can be up to 220 mm, but is reduced to 203 mm if the optional lock nuts are used to prevent rotation of the threaded spindle.

Once the trolley has been adjusted to the appropriate flange width and a hoist has been attached, the spindle can no longer rotate.

Important: The manual trolleys shown are designed for use with manual hoists. use with manual lifting equipment.

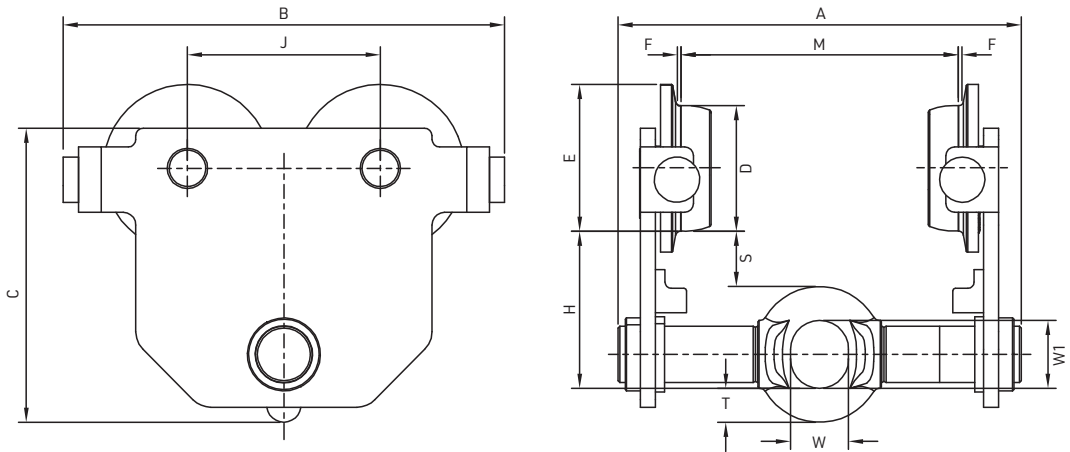


Option:
PTS with
manual chain
hoist PREMIUM
PRO

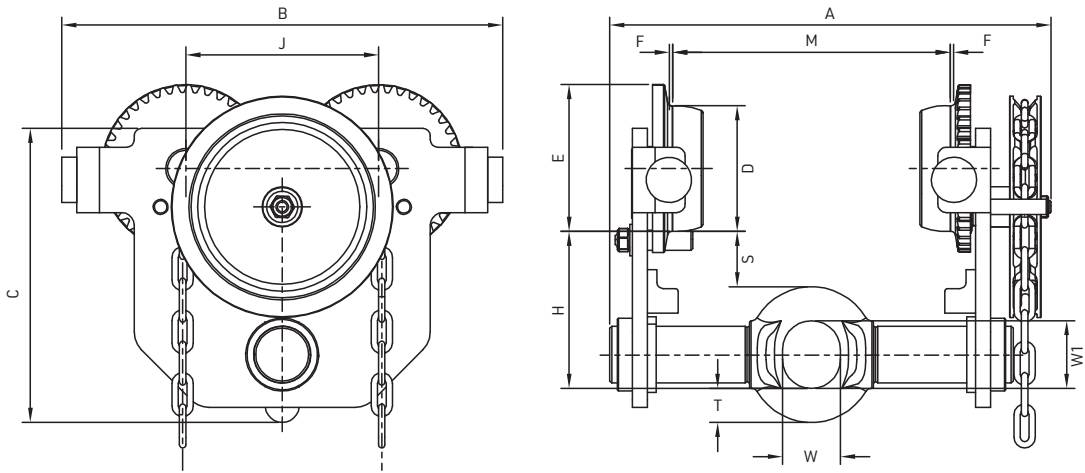


Option:
GTS with
manual chain
hoist PREMIUM
PRO

PTS



GTS

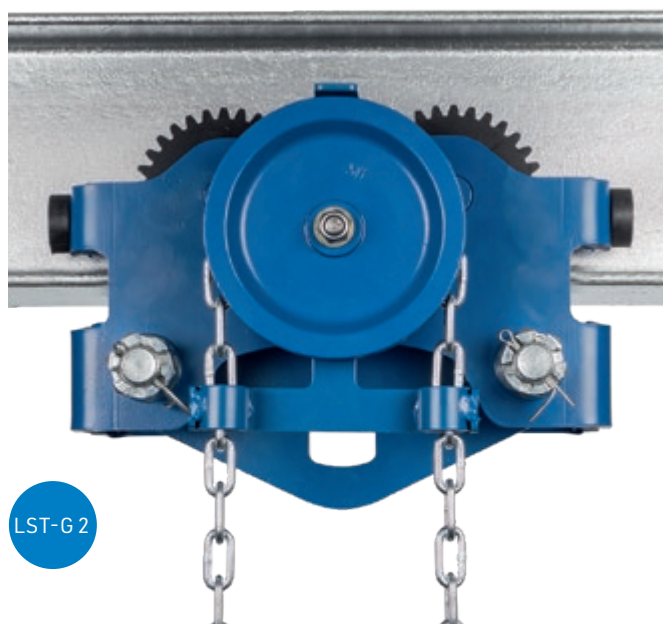


TYPE	Push trolley PTS...	0.5	1	2	3	5
TYPE	Gear type trolley GTS...	0.5	1	2	3	5
Capacity	kg	500	1,000	2,000	3,000	5,000
Flange width M min. - max. (without a locknut)	mm	50 - 220	58 - 220	66 - 220	74 - 220	90 - 220
Flange width M min. - max. (with a locknut)	mm	50 - 203	58 - 203	66 - 203	74 - 203	90 - 203
Min. curve radius	m	0.8	0.9	1	1.2	1.3
Hand chain operation length GTS	m	2.5	2.5	2.5	2.5	2.5
Hand chain size GTS	mm	5 × 25	5 × 25	5 × 25	5 × 25	5 × 25
Reel path for 1 m path GTS	m	3	3.6	4.7	5.7	6.3
A (Dimensions)	mm	292	300	310	320	336
A1	mm	330	336	346	350	363
B	mm	222	256	300	350	404
C	mm	133	160	193	234	260
D	mm	54	67	80	100	109
E	mm	66	82	95	117	127
H	mm	72	92	104	125	139
J	mm	102	112	131	153	168
S	mm	26	40	34	44	39
F	mm	2	2	2	3	3
W	mm	25	30	39	46	57
W1	mm	30	35	46	54	67
T	mm	16	17	24	27	33
Net weight PTS	kg	5.7	9.1	14.9	25.2	37.8
Net weight GTS	kg	8.7	12.1	18.1	28.7	41.6
PTS	Order No.	S20000	S20001	S20002	S20003	S20004
GTS with 2.5 m operation length	Order No.	S20006	S20007	S20008	S20009	S20010
Add. operator length hand chain per m	Order No.	G20017	G20017	G20017	G20017	G20017
Lock nut galvanized	Order No.	S20013	S20014	S20015	S20016	S20018

More capacities on request!



LST-H
0,5



LST-G 2



Push trolley | **LST-H**



Gear type trolley | **LST-G**

TROLLEY | **LST**

LST-trolleys are manufactured in a higher quality for a very rough and unusual use. The chain hoist PREMIUM PRO of the same capacity as the trolley fit easily into the lugs with their top hook, but these LST-trolleys are best combined with PREMIUM PRO. Trolleys have rubber buffers at both sides!

Wide adjustment for any flange width

Discs of different thicknesses are on the carrying bolts that allow to make the distance between side plates shorter or longer by exchanging them from outside to inside. There are two main bolt lengths. The standard bolts are adjustable

for normal width. Bolts of size 2 offer more possibilities up to beam flange sizes on HE-B-beams with 300 mm width. Prefer this when unclear for what kind of work you will use them.

Double safety

Climb stop on both side of the beam flange hinders the trolley to climb up the beam and prevents from falling down. Right angled side plates work as wheel shaft breakage protection, falling down protection and beam flange cleaner.

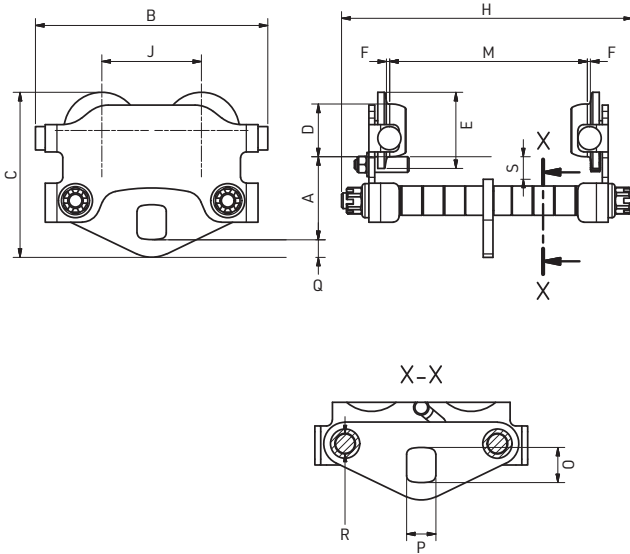
Sturdy side plates

The load is balanced by two carrying bolts on all four wheels because the castle nuts tie only one side. This gives

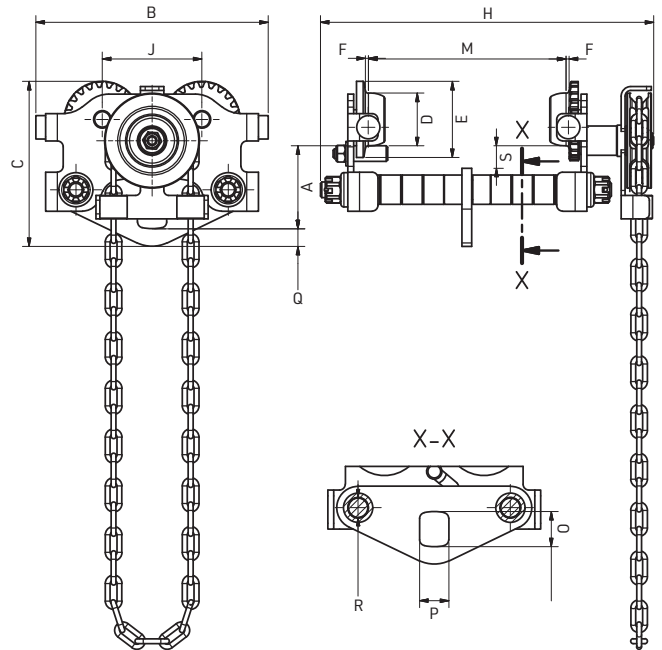
the bolts a bit of tolerance for movement and equalizes improper beam flanges.

Important: The manual trolleys shown are designed for use with manual hoists. use with manual lifting equipment.

LST-H



LST-G



TYPE	LST-H...	0.5	1	2	3	5	10	-
TYPE	LST-G...	0.5	1	2	3	5	10	20
Capacity	kg	500	1,000	2,000	3,000	5,000	10,000	20,000
Flange width M min. - max.	mm	50 - 203	64 - 203	88 - 203	100 - 203	114 - 203	124 - 203	136 - 203
Min. curve radius	m	0.85	1	1.1	1.3	1.4	2	a.A.
Hand chain operation length LST-G	m	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Reel path for 1 m path LST-G	m	2.96	3.63	4.65	5.66	6.34	7.98	10.63
A (Dimensions)	mm	85	104	115	125	143	187	250
B	mm	238	288	338	390	472	476	564
C	mm	169	207	237	271	307	381	514
D	mm	54	67	80	100	109	133	170
E	mm	78	96	111	133.5	145	176	228
F	mm	3	3	3	4	4	4	4
H (LST-H)	mm	298	314	325	355	381	388	-
H (LST-G)	mm	342	363	374	403	428	445	498
J	mm	102	112	131	153	168	194	234
O	mm	36	40	48	54	66	80	130
P	mm	30	36	40	46	52	64	100
Q	mm	18	22	26	29	37	40	65
R	mm	Ø 20	Ø 24	Ø 29	Ø 34	Ø 39	Ø 44	Ø 59
S	mm	23	24	28	26	28	50	55
Net weight LST-H	kg	9	14	22	36	55	86	-
Net weight LST-G	kg	11	16	24	39	59	89	190
LST-H	Order No.	G20340	G20341	G20342	G20343	G20344	G20345	-
LST-G with 2.5 m operation length	Order No.	G20350	G20351	G20352	G20353	G20354	G20355	G20356
Larger flange width min. - max.	mm	50 - 305	64 - 305	68 - 305	100 - 305	114 - 305	124 - 305	136 - 305
	Order No.	G20090	G20091	G20093	G20094	G20095	G20097	G20099
Add. operator length hand chain per m	Order No.	G20017	G20017	G20017	G20017	G20017	G20017	G20017

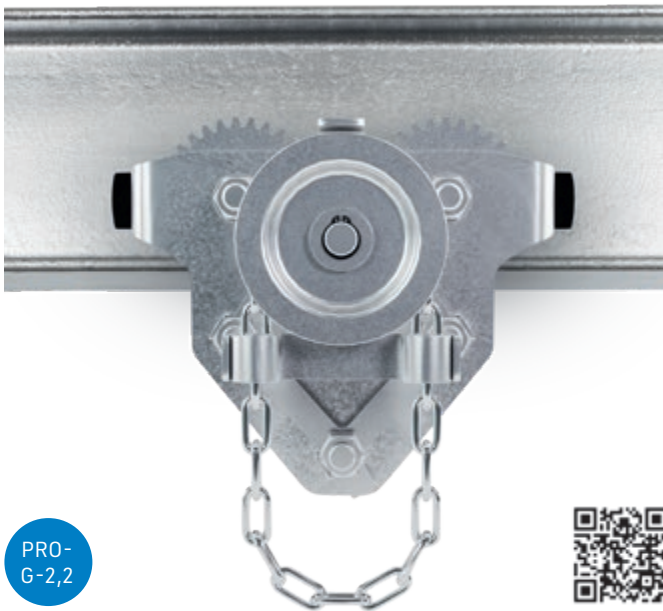
More capacities on request!



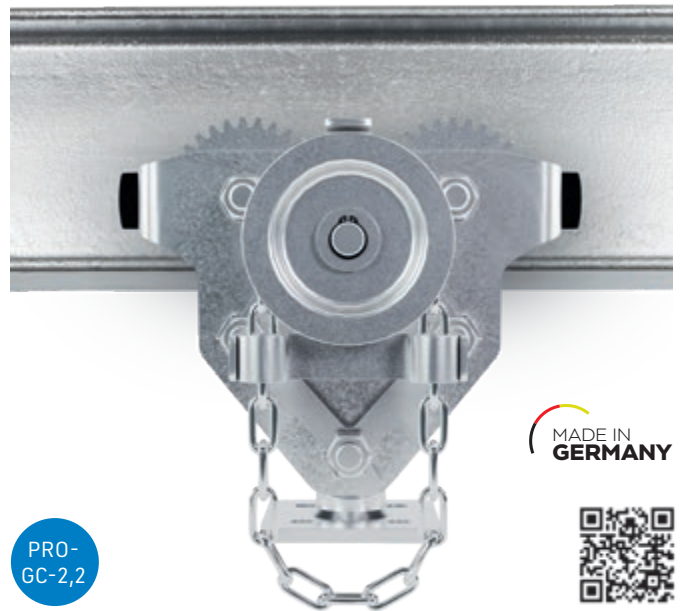
PRO-H-2,2



PRO-HC-2,2



PRO-G-2,2



PRO-GC-2,2



MADE IN GERMANY

 ATEX versions on request

TROLLEY | PRO

Our most adaptable trolley series! PRO trolleys are "Made in Germany" and suitable for demanding lifting processes with manual or motorized hoists.

Designed as roller and reel trolleys, they can be optionally extended with our crane joint mounts, block and tackle or chain hoists to create efficient crane systems. The simple replacement of spacers on the bolts enables the trolleys to be precisely adjusted on almost all steel girders.

The high-quality workmanship made of robust and galvanized steel ensures durability and high corrosion resistance.

Technical data:

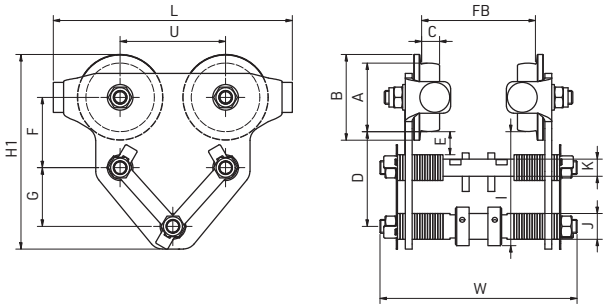
- 5 sizes, load capacities from 500 kg to 5,500 kg
- Up to 4 flange width ranges per size
- Single-flange wheels with 2RS deep-groove ball bearings, for straight and angled steel profiles
- Rubber bumpers

- Fall and climbing protection
- Infinitely adjustable load suspension centering

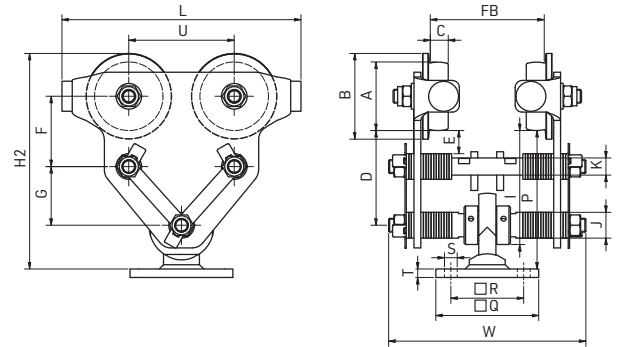
Special versions on request:

- Electric/ rack and pinion/
- curved trolleys
- NIROSTA version
- Higher load capacities up to 20,000 kg

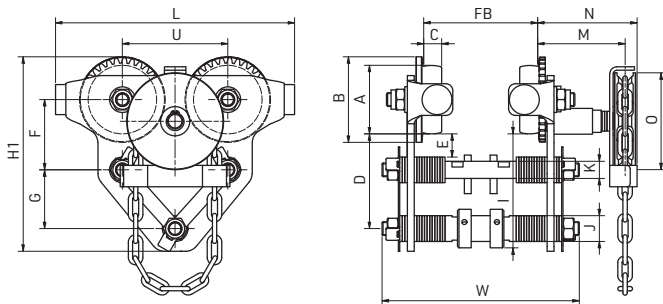
PRO-H



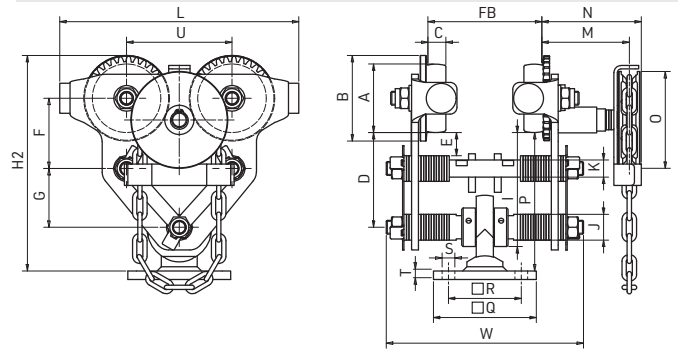
PRO-HC



PRO-G



PRO-GC



TYPE	PRO-H- / -HC- / -G- / -GC- ...	0.5	1.1	2.2	3.3	5.5
Capacity	kg	500	1,100	2,200	3,300	5,500
Flange width FB1 min. - max.	mm	55 - 100	55 - 100	70 - 130	90 - 150	100 - 160
Flange width FB2 min. - max.	mm	100 - 150	100 - 150	130 - 180	150 - 200	160 - 210
Flange width FB3 min. - max.	mm	-	150 - 200	180 - 240	200 - 250	210 - 260
Flange width FB4 min. - max.	mm	-	200 - 250	240 - 300	250 - 300	260 - 310
Min. curve radius	m	1	1.5	1.6	2	2.9
Hand chain operation length PRO-G/GC	m	2.5	2.5	2.5	2.5	2.5
A - E	∅ mm / mm / mm / mm / mm	45 / 60 / 15 / 70 / 15	60 / 75 / 17 / 89 / 20	80 / 100 / 21 / 111 / 27	100 / 120 / 24 / 132 / 35	125 / 150 / 28 / 155 / 38
F - G	mm	48 / 45	62 / 57	82 / 69	104 / 79	122 / 93
H1 (FB1 + 2) / (FB3 + 4)	mm	139 / -	176 / 179	223 / 229	270 / 274	324 / 327
H2 (FB1 + 2) / (FB3 + 4)	mm	-	201 / 207	252 / 262	303 / 311	361 / 369
I (FB1 + 2) / (FB3 + 4)	mm	86 / -	109 / 111	133 / 139	160 / 164	186 / 190
J (FB1 + 2) / (FB3 + 4)	∅ mm	20 / -	25 / 30	30 / 35	35 / 40	40 / 45
K - O	∅ mm / mm / mm / ∅ mm	12 / 171 / - / -	15 / 218 / 107 / 120 / 94	20 / 179 / 104 / 118 / 113	25 / 328 / 109 / 122 / 143	30 / 402 / 133 / 145 / 176
P (FB1 + 2) / (FB3 + 4)	mm	-	134 / 140	162 / 172	193 / 201	224 / 232
Q - T	mm	Plate dimensions of the crane joint mount (optionally available) depend on the crane bridge profile. Dimension definition on request / order.				
U	mm	75	99	123	144	174
W (FB1) / (FB2) / (FB3) / (FB4)	mm	165 / 215 / - / -	180 / 230 / 285 / 335	230 / 280 / 340 / 400	275 / 320 / 370 / 420	315 / 355 / 405 / 455
Net weight PRO-H (FB1 / FB2 / FB3 / FB4)	kg	3.1 / 3.5 / - / -	6.1 / 6.4 / 7.1 / 7.5	12.4 / 13.0 / 13.9 / 14.7	22.4 / 23.2 / 24.5 / 25.4	41.4 / 42.5 / 44.1 / 45.3
Net weight PRO-HC (FB1 / FB2 / FB3 / FB4)	kg	-	PRO-H +1.2 kg	PRO-H +1.2 kg	PRO-H +1.2 kg	PRO-H +1.2 kg
Net weight PRO-G (FB1 / FB2 / FB3 / FB4)	kg	-	8.8 / 9.1 / 9.8 / 10.2	15.2 / 15.8 / 16.7 / 17.5	25.6 / 26.4 / 27.7 / 28.6	45.3 / 46.4 / 48.0 / 49.2
Net weight PRO-GC (FB1 / FB2 / FB3 / FB4)	kg	-	PRO-G +1.2 kg	PRO-G +1.2 kg	PRO-G +1.2 kg	PRO-G +1.2 kg
PRO-H FB1	Order No.	G51101	G51111	G51121	G51131	G51141
PRO-H FB2	Order No.	G51102	G51112	G51122	G51132	G51142
PRO-H FB3	Order No.	-	G51113	G51123	G51133	G51143
PRO-H FB4	Order No.	-	G51114	G51124	G51134	G51144
PRO-HC FB1 incl. crane joint mount	Order No.	-	G51111 + G58011	G51121 + G58021	G51131 + G58031	G51141 + G58041
PRO-HC FB2 incl. crane joint mount	Order No.	-	G51112 + G58012	G51122 + G58022	G51132 + G58032	G51142 + G58042
PRO-HC FB3 incl. crane joint mount	Order No.	-	G51113 + G58013	G51123 + G58023	G51133 + G58033	G51143 + G58043
PRO-HC FB4 incl. crane joint mount	Order No.	-	G51114 + G58014	G51124 + G58024	G51134 + G58034	G51144 + G58044
PRO-G FB1	Order No.	-	G51211	G51221	G51231	G51241
PRO-G FB2	Order No.	-	G51212	G51222	G51232	G51242
PRO-G FB3	Order No.	-	G51213	G51223	G51233	G51243
PRO-G FB4	Order No.	-	G51214	G51224	G51234	G51244
PRO-GC FB1 incl. crane joint mount	Order No.	-	G51211 + G58011	G51221 + G58021	G51231 + G58031	G51241 + G58041
PRO-GC FB2 incl. crane joint mount	Order No.	-	G51212 + G58012	G51222 + G58022	G51232 + G58032	G51242 + G58042
PRO-GC FB3 incl. crane joint mount	Order No.	-	G51213 + G58013	G51223 + G58023	G51233 + G58033	G51243 + G58043
PRO-GC FB4 incl. crane joint mount	Order No.	-	G51214 + G58014	G51224 + G58024	G51234 + G58034	G51244 + G58044
Add. operator length hand chain per m	Order No.	on request	on request	on request	on request	on request

More capacities on request!

Low headroom trolley hoist



3
YEARS
Warranty

LHT-H
005L



Manual chain hoist in the push trolley | **LHT-H**



LHT-G
005L



Manual chain hoist in the gear type trolley | **LHT-G**



LOW HEADROOM TROLLEY HOIST | **LHT**

The LHT series combination trolleys combine the advantages of low overall height thanks to the direct suspension of the manual chain hoist without suspension hooks with the high quality of PREMIUM PRO chain hoists.

The smooth running of the devices with ball bearings in the wheels and gears as well as the unique finish of the surface coating meet even the highest demands. The standard overload protection also meets important regulations for use on seagoing vessels.

Standard version:

- PREMIUM PRO-II manual chain hoist with 3 m lifting and 2.5 m manual operating chain

- Available as a rolling trolley (type: -H) or as a reel chain trolley (type: -G)
- Thanks to the contoured wheel profiles, the LHT is suitable for I-NP beams with inclined flanges as well as for all other HE beams with parallel flanges.

Special equipment (on request):

- Chain container for suspended chain
- Fully galvanized version for rust-prone areas with special chains
- Special flange widths up to 305 mm are able if the specified adjustment range (dimension H) is no longer sufficient.
- Short combination trolley with locking device

info

LOWHEADROOM TROLLEY HOIST

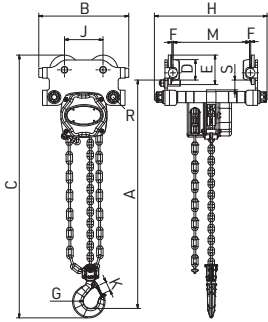
This combination of manual chain hoist and trolley with a low overall height is always used where optimum use of space is required. Because the chain hoist is attached directly to the trolley, the load hook can travel much higher than in the case of conventional combinations of trolley and chain hoist.

Benefits of a lowheadroom trolley hoist:

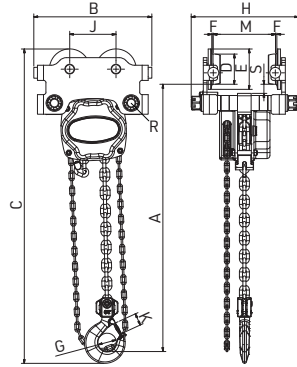
- Reduction of downtimes, e.g. in ship engine rooms
- Less expensive bridge and jib cranes
- Labor savings in the case of repair and maintenance work.

Low headroom trolley hoist

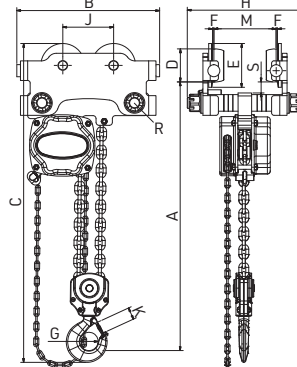
LHT-H 500 - 2.000 kg



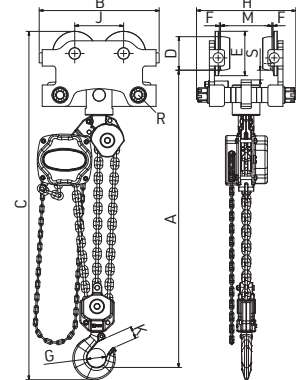
LHT-H 3.000 kg



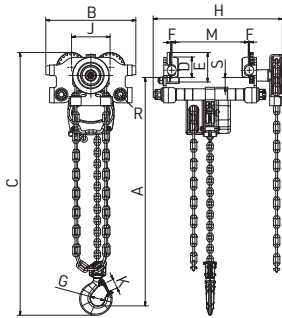
LHT-H 5.000 kg



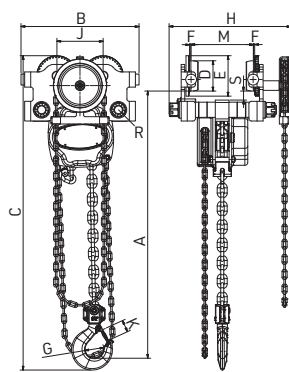
LHT-H 10.000 kg



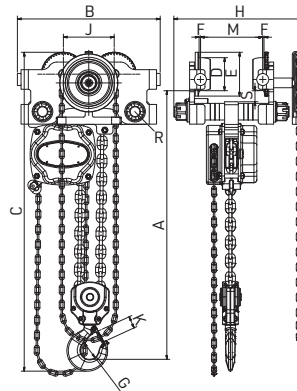
LHT-G 500 - 2.000 kg



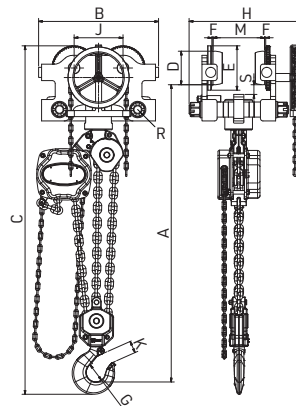
LHT-G 3.000 kg



LHT-G 5.000 kg



LHT-G 10.000 kg



TYPE	LHT...-H / -G	005L	010L	015L	020L	030L	050L	100L	200L
Capacity	kg	500	1,000	1,500	2,000	3,000	5,000	10,000	20,000
Standard lift	m	3	3	3	3	3	3	3	3
Number of chain falls		1	1	1	1	1	2	3	8
Chain size	mm	5 × 15	6 × 18	8 × 24	8 × 24	10 × 30	10 × 30	10 × 30*	10 × 30
Min. headroom (A)	mm	266	316	356	361	427	583	769	974
Beam flange width min. - max. (M)	mm	50 - 203	64 - 203	88 - 203	88 - 203	100 - 203	114 - 203	124 - 203	136 - 203
Min. curve radius	m	0.85	1	1.1	1.1	1.3	1.4	2	3.5
Meters hand chain to pull to lift 1 m	m	29.5	39.4	60.8	60.8	96.7	193.3	290	386.7
Reel path for 1 m path LHT-G	m	3	3.6	4.7	4.7	5.7	6.3	8	10.6
Dimension H min. LHT-H	mm	298	314	325	325	355	381	388	-
Dimension H min. LHT-G	mm	342	363	374	374	403	428	445	498
B	mm	238	288	338	338	390	472	476	564
C	mm	352	420	487	487	566	745	940	1165
D	mm	54	67	80	80	100	109	133	170
E	mm	78	96	111	111	133.5	145	176	228
F	mm	3	3	3	3	4	4	4	4
G	mm	∅38	∅44	∅50	∅50	∅63	∅60	∅75	∅120
J	mm	102	112	131	131	153	168	194	234
K	mm	24	28	31	31	40	40	48	96
R	mm	∅20	∅24	∅29	∅29	∅34	∅39	∅44	∅59
S	mm	23	24	28	28	26	28	50	55
Weight with 3 m lift LHT-H	kg	13.5	22	42	42	56	82	143	331
Weight with 3 m lift LHT-G	kg	14.8	23.5	43.7	43.7	58	85	148	353
LHT-H with 3 m lift	Order No.	G20300	G20301	G20302	G20303	G20304	G20305	G20307	G20309
Additional 1 m lift (LHT-H)	Order No.	G10271	G10242	G10243	G10243	G10272	G10246	G20077	G20079
LHT-G with 3 m lift	Order No.	G20310	G20311	G20312	G20313	G20314	G20315	G20317	G20319
Additional 1 m lift (LHT-G)	Order No.	G20320	G20321	G20322	G20323	G20324	G20325	G20327	G20329
Position lock device	Order No.	G10180	G10181	G10182	G10182	G10183	G10184	G10185	G10186
Larger flange width (M) min. - max.	mm	64 - 305	64 - 305	88 - 305	88 - 305	100 - 305	114 - 305	124 - 305	136 - 305
	Order No.	G20090	G20091	G20092	G20093	G20094	G20095	G20097	G20099

* Grade 100 / Chain bag (plastic) on request.

Combined geared-type trolley



COMBINED GEARED-TYPE TROLLEY | **LHT-HYPERLOW**

Extremely short design

The LHT-Hyperlow trolley is an extremely compact combination lifting equipment, consisting of a trolley and integrated chain hoist, with a very low overall height. The load hook is pulled directly under the flange of the beam - it doesn't get any shorter in the case of single-girder trolleys!

Features

- Low weight
- Extremely low overall height
- Low effort required in the case of manual chain operation
- Double safety locking pawls
- 2-layer surface coating in RAL 5010

Quality features

Solid steel construction with proven standard hoist components (including overload protection).

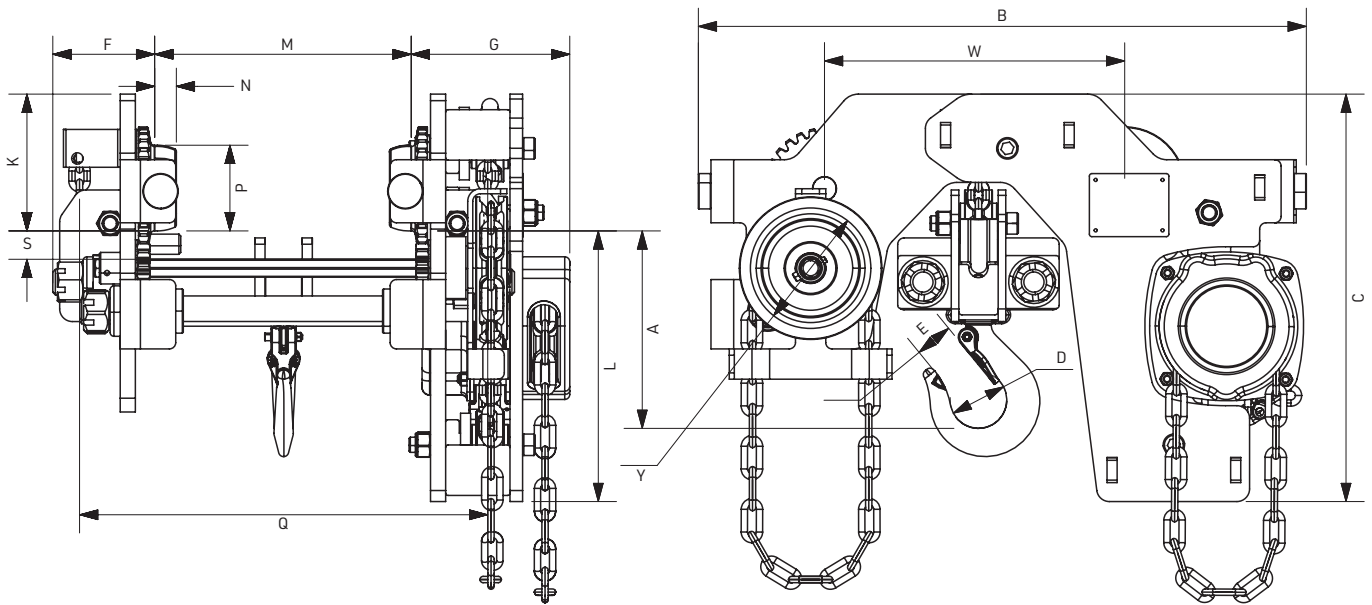
Basic equipment

- Contoured wheel profiles for flat and inclined beams.
- Tempered and galvanized load chain
Load chain with the properties of DIN EN 818-7-T, galvanized hand chain.
- Standard lift 3 m and hand chain operating length 2.5 m.
- Comprehensive operating instructions and test book.

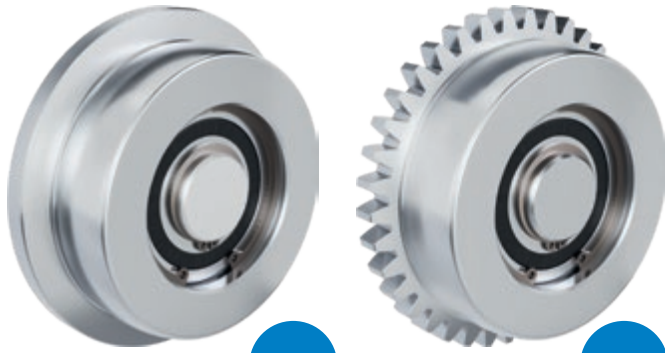
Special equipment

Special ATEX-protection with bronze parts and galvanization, chain bag, locking device: on request.

Combined geared-type trolley

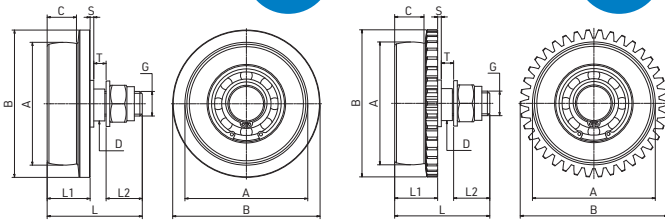


TYPE	LHT-Hypertow ...	10	20	32	63	100
Capacity	kg	1,000	2,000	3,200	6,300	10,000
Standard lift	m	3	3	3	3	3
Number of chain falls		2	2	2	2	4
Chain size	mm	5 × 15	6 × 18	8 × 24	10 × 30	10 × 30
Hand chain force	daN	29.5	33.2	34.4	43.2	33.8
Min. headroom (A)	mm	156	173	212	249	305
Beam flange width min. - max. (M)	mm	64 - 203	88 - 203	100 - 203	114 - 203	124 - 203
Meters hand chain to pull to lift 1 m	m	59.06	78.76	121.52	193.33	386.68
Reel path for 1 m path	m	3,575	4,630	5,643	5,708	6,701
Dimension B	mm	482	569	647	738	916
C	mm	323	393	487	592	580
D	mm	45	50	58	68	91
E	mm	30	34	38	47	61
F	mm	81	91	111	135	160
G	mm	126	154	162	194	192
K	mm	108	138	165	214	196
L	mm	215	254	322	378	384
N	mm	17	20	24	33	37
P	mm	68	80	100	109	133
Q	mm	324	340	381	427	426
S	mm	22	22	21	24	28
W	mm	238	280	330	375	480
Y	mm	95.5	127.3	159.2	160	222.8
Weight with 3 m lift	kg	59	68.8	139	227.5	340.7
Weight additional lift	kg	2.8	3.3	4.5	6.1	10.5
LHT-Hyperlow with 3 m lift	Order No.	G20380	G20381	G20382	G20383	G20384
Additional 1 m lift	Order No.	G20390	G20391	G20392	G20393	G20395
Larger flange width (M) min. - max.	mm	64 - 305	88 - 305	100 - 305	124 - 305	124 - 305
	Order No.	G20360	G20361	G20362	G20363	G20364



OZ 100

MZ 100



WHEELS FOR PRO-TROLLEY

Ready-to-fit wheels consisting of single-flange wheel, 2RS deep groove ball bearing, wheel axle and standard parts including self-locking nut. Made of robust and galvanised steel for long-lasting and corrosion-resistant use.

Technical data:

- 5 sizes, load capacities from 0.15 t to 1.4 t per wheel
- Suitable for straight and angled steel profiles
- Available in 2 versions: toothless 'OZ' or toothed 'MZ'

Special versions on request:

- Higher load capacities
- NIROSTA version



TYPE	OZ / MZ	Ø 45	Ø 60	Ø 80	Ø 100	Ø 125
Capacity	t	0.15	0.3	0.6	1.0	1.4
Barrel diameter A	Ø mm	45	60	80	100	125
Outer diameter B	Ø mm	60	75	100	120	150
Running width C	mm	15	17	21	24	28
Total length L	mm	44	53	65	78	93
Wheel width L1	mm	21	25	30	35	40
Thread length L2	mm	17	20	25	30	35
Bolt diameter D	Ø mm	15	18	23	28	33
Thread G		M10	M12	M16	M20	M24
Gap S	mm	2	2	2	3	3
Sheet thickness T min. - max.	mm	4 - 8	6 - 10	8 - 12	10 - 15	15 - 20
Number of teeth		-	23	31	38	48
Module		-	3	3	3	3
Weight	kg	0.3	0.6	1.2	2.3	4.1
OZ	Order No.	G59000	G59010	G59020	G59030	G59040
MZ	Order No.	-	G59011	G59021	G59031	G59041



BFZ 8

ROPE PULLEY | BFZ

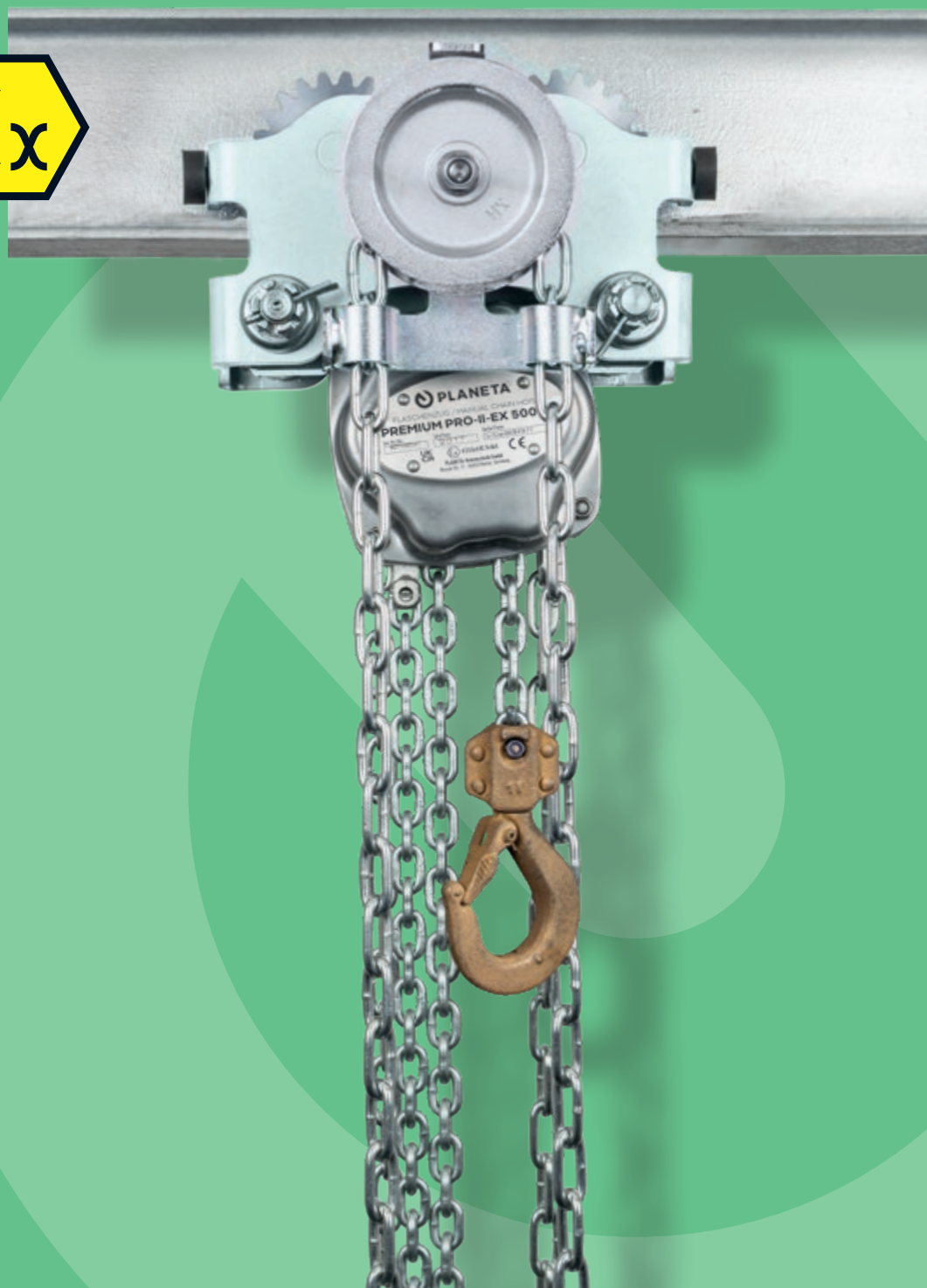
Complete with rope - ready for use

Ready-to-use rope pulley, with forged hook, 2 clamps, galvanized with three adjacent steel rollers, complete with spiral-braided rope made of BIROTEX (PP multifilament, high-strength, low-twist).



TYPE	BFZ ...	8	10	12	16
Capacity	kg	200	250	350	500
Rope diameter	mm	8	10	12	16
Roller diameter	mm	50	60	80	100
Rope length	m	20	25	30	40
Roll thickness	mm	12	12	16	20
	Order No.	H10270	H10271	H10272	H10273

ATEX-LIFTING EQUIPMENT



Information on EX protection p. 42

ATEX-Manual chain hoist p. 48

ATEX-Lever hoist p. 50

ATEX-Trolleys p. 52

ATEX-Combined trolleys p. 56



INFORMATION EXPLOSION PROTECTION



According to the **ATEX 2014/34/EU** directive, the manufacturer is obliged to manufacture his lifting equipment in accordance with the applicable rules, standards and regulations for explosion-protected equipment, to classify it in EX classes and to mark it.

The customer must specify either a classification or an EX zone.

Once the classification has been specified, we can make you an appropriate offer for the required hoist.

As an aid to orientation, we provide you here with an overview of the classification of explosion-protected equipment in accordance with the ATEX Directive.

The standards, regulations and guidelines of the responsible bodies, for example BG-Chemie, on the use of equipment in potentially explosive atmospheres must be observed by the operator when installing, assembling and operating EX-protected hoists. PLANETA offers hoists for the various applications, which are suitable for the following operating conditions in EX areas:



info

- Use in **zone 1, 2, 21, 22** as well as in underground and surface installations of mines according to **category M2***
- Temperature classes up to T4 or 135 °C
- Suitable for environments with gases and dusts according to **IIC* und IIC**

*** Restrictions:**

- Gases up to **IIC** except ethylene and hydrogen sulphide
- Special conditions of use for equipment of the **MEDIUM / HIGH version** intended for use in mining operations in accordance with category M2, in the event of the additional presence of flammable gases or combustible dust to the mine gas atmosphere, the classifications for gas or combustible dust also specified in the **MEDIUM / HIGH version** for gas or dust explosion protection shall apply. Dust explosion protection

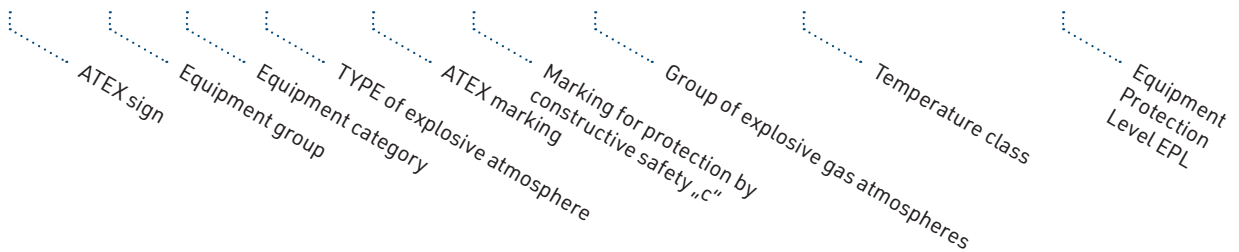
Explanation of the designation of an Ex classification:



II 2 G Ex h IIC T4 Gb



II 2 G Ex h IIIC T135 °C Db



Classification and marking of potentially explosive atmospheres

Flammable substances	Temporary behaviour flammable substances in Ex-area explosive medium	Classification of potentially explosive areas	Marking of the equipment			Equipment Protection Level EPL		
			Equipment group	Equipment category		Equipment Protection Level EPL		
Gases Fog Vapours (G)	is constant, long-lasting or frequent	Zone 0	II					
	occurs occasionally	Zone 1	II	1G	2G		Ga	Gb
	probably does not occur or occurs only very rarely	Zone 2	II			3G		Gc
Dusts (D)	is present constantly, for a long time or frequently	Zone 20	II					
	occurs occasionally	Zone 21	II	1D	2D		Da	Db
	Probably does not occur or occurs only very rarely	Zone 22	II			3D		Dc

Classification into explosion groups

Group II - explosive gas atmospheres			Group III - explosive dust atmospheres		
Propane Ammonia Methane Ethane	Acrylonitrile Ethylene Ethyl glycol Hydrogen sulphide	Hydrogen Acetylene Carbon disulphide	combustible suspended solids	non-conductive dusts	conductive dusts
IIA			IIIA		
IIB			IIIB		
IIC			IIIC		



Temperature classes

The max. surface temperature of the equipment must always be lower than the ignition temperature of the gas-vapour-air mixture. Equipment classified in higher temperature classes is also permitted in areas where a lower temperature class is required.

In potentially explosive atmospheres caused by combustible dusts, the surface temperature must not exceed 2/3 of the ignition temperature in °C of the dust/air mixture. The specification of the temperature class in relation to PLANETA hoists assumes a maximum ambient temperature between -20 °C and +40 °C.

Temperature classes for explosive gas atmospheres

(**Explosive dust atmospheres:** Indication of the maximum surface temperature e.g.: T 135 °C.)









Propane Ammonia Methane Ethane Acrylonitrile Hydrogen T1 max. 450 °C	Cyclohexane Ethyl alcohol n-Butane Ethylene Ethylene oxide Acetylene T2 max. 300 °C	Petrol Diesel Heating oil n-Hexane Ethyl glycol Hydrogen sulphide T3 max. 200 °C	Acetaldehyd Ethylether T4 max. 135 °C	T5 max. 100 °C	Carbon disulphide T6 max. 85 °C
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The following information is based on our internally gathered experience, based on the ATEX Directive 2014/34/EU and the DIN EN ISO 80079-36 and -37 standard. for use in potentially explosive atmospheres are deposited with TÜV SÜD Product Service GmbH.

BASIC	MEDIUM	HIGH
<ul style="list-style-type: none"> • Used in zone 2 and 22 • Suitable for environments with gases and dusts acc. to IIB and IIIB, except ethylene and hydrogen sulphide • Basic protection against sparks from fast moving moving contact parts and against corrosion of critical contact parts. <p>Versions:</p> <ul style="list-style-type: none"> • Load and hand chains in galvanised design • Trolley with pulp buffer • Wheels with special coating 	<ul style="list-style-type: none"> • Used in zones 1, 2, 21 and 22 as well as in underground and surface installations of mines according to category M2* • Suitable for environments with gases and dusts acc. to IIB and IIIB, except ethylene and hydrogen sulphide • Advanced protection against sparking of fast moving contact parts and against corrosion of critical contact parts <p>Versions:</p> <ul style="list-style-type: none"> • Support and load hooks treated with special coating • Load and hand chains in galvanised design • Trolley with pulp buffer • Wheels made of special material 	<ul style="list-style-type: none"> • Used in zones 1, 2, 21 and 22 as well as in underground and surface installations of mines according to category M2* • Suitable for environments with gases and dusts acc. to IIC* and IIIC, except ethylene and hydrogen sulphide • High protection against sparks from fast moving contact parts and against corrosion of critical contact parts. • Replacement of some components with non-corrosive and low-sparking materials (partly accompanied by load reduction due to new technological data) <p>Versions:</p> <ul style="list-style-type: none"> • Support and load hooks treated with special coating • Load and hand chains in NIROSTA-Design • Trolley with pulp buffer • Wheels made of special material

* with restrictions see page 43

Specified equipment protection levels and equipment markings for PLANETA-ATEX manual hoists and trolleys:

BASIC	MEDIUM	HIGH
<ul style="list-style-type: none"> •  II 3 G Ex h IIB T4 Gc or •  II 3 D Ex h IIIB T 135 °C Dc 	<ul style="list-style-type: none"> •  II 2 G Ex h IIB T4 Gb or •  II 2 D Ex h IIIB T 135 °C Db or •  I M 2 Ex h I T 135 °C (T4) Mb X 	<ul style="list-style-type: none"> •  II 2 G Ex h IIC T4 Gb X or •  II 2 D Ex h IIIC T 135 °C Db or •  I M 2 Ex h I T 135 °C (T4) Mb X



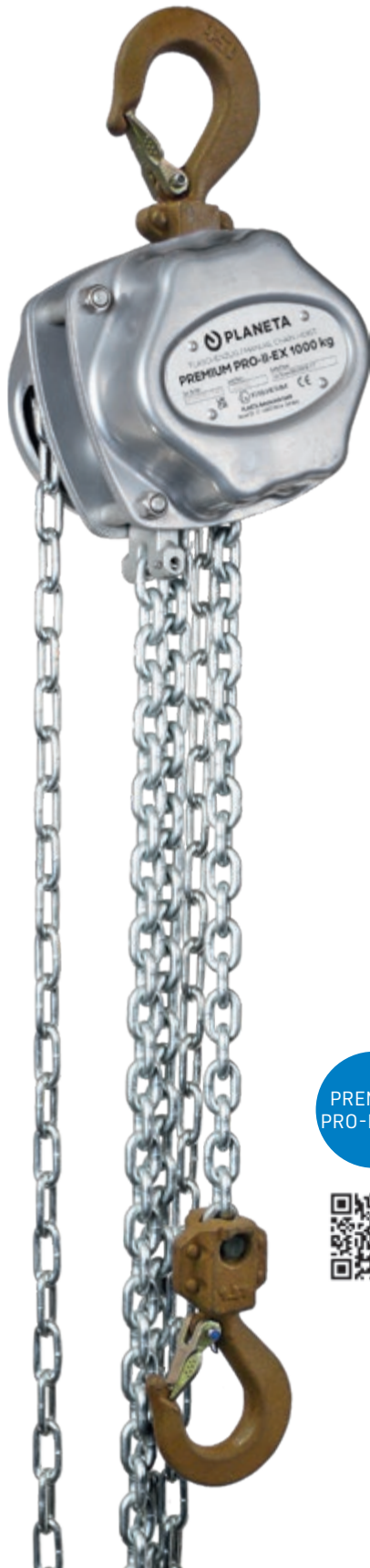
Load reduction of the standard chain hoists with „HIGH“ version

Example Manual chain hoist PREMIUM PRO-EX	Chain diameter in mm	Number of chain falls	Capacity in version BASIC / MEDIUM in kg	Reduced capacity with HIGH version in kg
PREMIUM PRO-II-EX 0.25	4 × 12	1	250	250
PREMIUM PRO-II-EX 0.5	5 × 15	1	500	500
PREMIUM PRO-II-EX 1	6 × 18	1	1,000	900
PREMIUM PRO-II-EX 1.5	8 × 24	1	1,500	1.250
PREMIUM PRO-II-EX 2	8 × 24	1	2,000	1.250
PREMIUM PRO-II-EX 3	10 × 30	1	3,000	2.000
PREMIUM PRO-II-EX 5	10 × 30	2	5,000	3.200
PREMIUM PRO-II-EX 10	10 × 30*	3	10,000	6.400

* Grade 100

 II 2 G Ex h IIC T4 Gb X

 II 2 D Ex h III C T 135 °C Db



PREMIUM
PRO-II-EX 1



ATEX-MANUAL CHAIN HOIST **PREMIUM PRO-II-EX**

Thanks to specially developed surface treatment and design measures, the PREMIUM PRO-II-EX can be used in hazardous areas. In accordance with the ATEX directives 2014/34/EU.

Depending on the explosion class, a distinction is made between the Basic, Medium and High. You can find more details on page 16.

From a load capacity of 500 kg, the device is equipped as standard with overload protection as standard. Delivery includes ATEX certificate!

Load chain

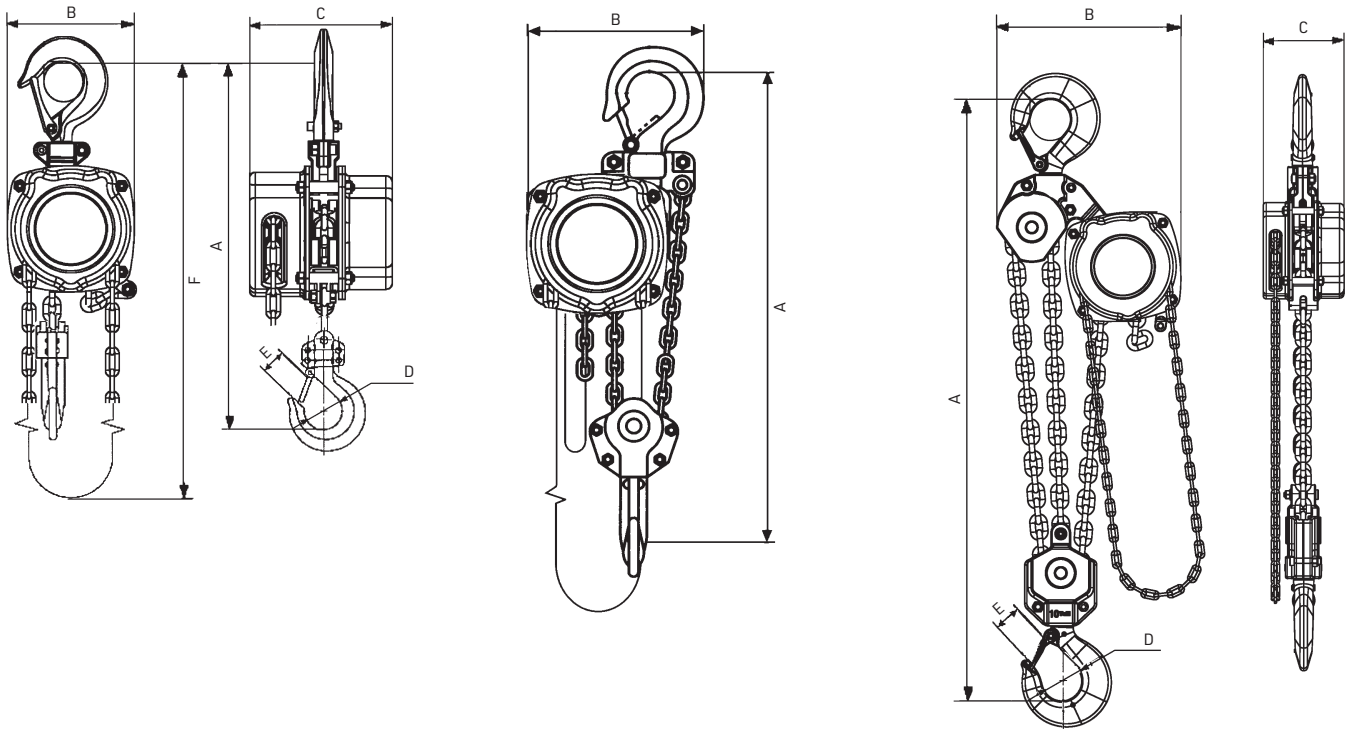
Tempered and galvanised load chain in accordance with DIN EN 818-7-T 'Made in Germany'. Even single-strand up to 3,000 kg. Extra chain available in any length on request.

Galvanised or powder-coated on all sides

Dirt and rain cannot harm cannot harm this device. Whether self-locking castellated nuts or housing parts - all connection and housing parts are protected against corrosion.

Chain attachment

The easily accessible chain attachment allows any user to pull in a longer chain if required.



PREMIUM PRO-II-EX 250 - 3,000 kg

PREMIUM PRO-II-EX 5,000 kg

PREMIUM PRO-II-EX 10,000 kg

TYPE	PREMIUM PRO-II-EX ...	0.25	0.5	1	1.5	2	3	5	10
Capacity (Basic/Medium)	kg	250	500	1,000	1,500	2,000	3,000	5,000	10,000
Capacity (High)	kg	250	500	900	1,250	1,250	2,000	3,200	6,400
Standard lift	m	3	3	3	3	3	3	3	3
Min. headroom (A)	mm	259	309	373	460	460	553	630	900
Hand chain force	daN	22	24	30,5	36	36	37	39	39,5
Hand chain operation length	m	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Meters hand chain to pull to lift 1 m	m	14.8	29.5	39.4	60.8	60.8	96.7	193.3	290
Number of chain falls		1	1	1	1	1	1	2	3
Chain size	mm	4 × 12	5 × 15	6 × 18	8 × 24	8 × 24	10 × 30	10 × 30	10 × 30*
B (Dimensions)	mm	95	114	152	190	190	240	240	391
C	mm	99.4	110	139	150	150	158	158	166
D	mm	30	33	40	52	52	62	72	85
E	mm	22	22	28	33	33	37	44	60
F	m	2.5	2.5	2,5	2.5	2.5	2.5	2.5	2.5
Weight with standard lift	kg	5.8	7.6	11.5	17.2	17.2	27	40.5	61.9
Weight per m additional lift**	kg	1.2	1.4	1.6	2.2	2.2	3.0	5.2	14.8
Version Basic: PREMIUM PRO-EX with 3 m lift	Order No..	G10360	G10361	G10362	G10363	G10364	G10365	G10366	G10367
Version Medium: PREMIUM PRO-EX with 3 m lift	Order No..	G10368	G10369	G10370	G10371	G10372	G10373	G10374	G10375
Version High: PREMIUM PRO-EX with 3 m lift	Order No..	G10376	G10377	G10378	G10379	G10380	G10381	G10382	G10383
Add. lifting height per m (Basic/Medium)	Order No..	G10270	G10271	G10242	G10243	G10243	G10272	G10246	G10247
Add. lifting height per m (High)	Order No..	G10170	G10171	G10172	G10173	G10174	G10175	G10176	G10177
Hand chain (Basic/Medium) 1 m more operating length	Order No..	G10178	G10178	G10178	G10178	G10178	G10178	G10178	G10178
Hand chain (High) 1 m more operating length	Order No..	G10179	G10179	G10179	G10179	G10179	G10179	G10179	G10179

Chain bags (plastic), from 5,000 kg (stainless steel) on request. Please enquire about other load capacities! * Grad 100 by versions Basic and Medium. ** 1 m operating length and 1 m stroke

Ex II 2 G Ex h IIC T4 Gb X

Ex II 2 D Ex h III C T 135 °C Db



Even with
5.000 kg
capacity only
one chain fall!

PREMIUM
PRO-EX3,2



ATEX-LEVER HOIST | PREMIUM PRO-EX

The next development stage of the reliable PLH-PREMIUM lever hoist is the PREMIUM PRO. Thanks to a significant weight saving, handling is improved. Despite this, the frame has been strengthened compared to the previous generation. Proven quality also ensures longevity and its design makes it very robust.

Free-running mode

When the selection switch is moved to the middle point, the unladen chain can easily be pulled through the device freely to the required usage length. This makes tensioning the chain easier.

Load chain

The tempered, galvanised load chain according to DIN EN 818-7-T is supplied with the unit. The standard lifting height is 1.5 m; any length required for higher lifting is possible.

New chain end piece

The robust chain end piece provides additional safety because it cannot be pulled through the device with the chain.

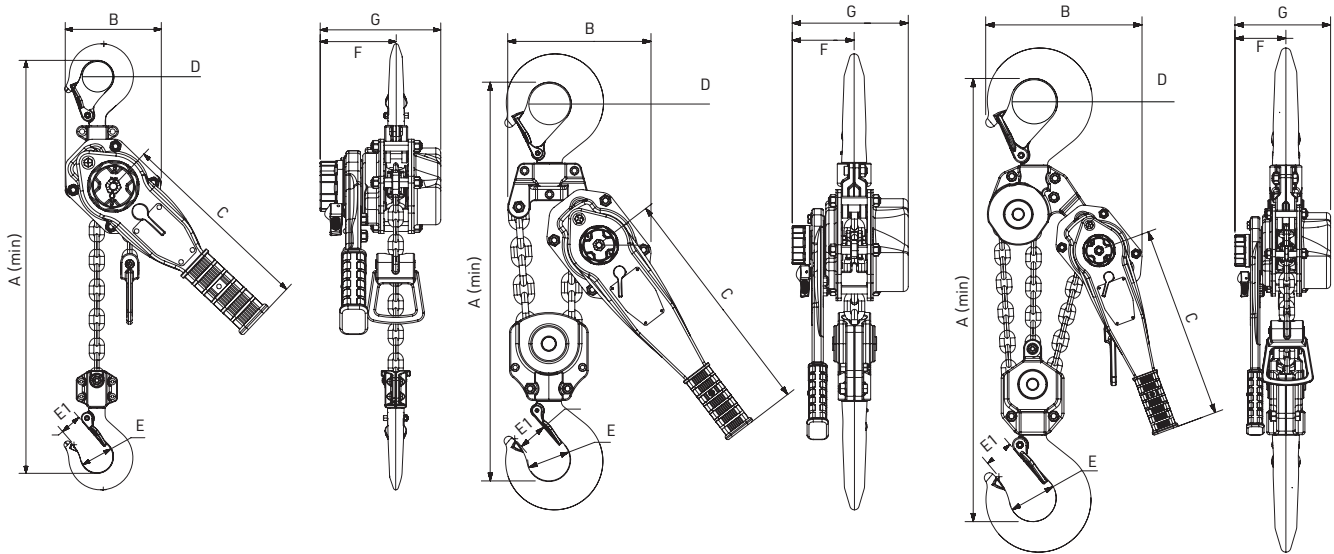
Protected handle

The ergonomic rubber handle on the end of the lever protects the user against injury and is also screwed in place to prevent it slipping.

Technical advantages

Hand lever can be used in any position thanks to the ratchet; safety automatic mechanical brake; galvanised connecting parts; cast hook clip; large, non-slip and closed hand wheel; safety chain end piece.

Ex Explosion class see page 44.



PREMIUM PRO-EX 800 – 3.200 kg

PREMIUM PRO-EX 6.400 kg

PREMIUM PRO-EX 9.600 kg

TYPE	PREMIUMPRO-EX...	0.8	1.6	3.2	5	6.4	9.6
Capacity (Basic/Medium)	kg	800	1,600	3,200	5,000	6,400	9,600
Capacity (High)	kg	600	1,200	1,600	3,300	3,200	4,800
Standard lift	m	1.5	1.5	1.5	1.5	1.5	1.5
Min. headroom (A)	mm	320	360	431	655	500	635
Lever force	daN	22	24	33	37	36	38
Meters load chain movement with 1 round 360°	m	0.019	0.015	0.016	0.009	0.008	0.005
Number of chain falls		1	1	1	1	2	3
Chain size	mm	8 × 16	7.1 × 21	9 × 27*	13 × 36	9 × 27*	9 × 27*
B (Dimensions)	mm	115	137	169	180	238	300
C	mm	239	259	374	400	374	374
D	mm	35	42	48	60	60	70
E	mm	35	38	46	43	59	54
E1	mm	23	28,5	33	41	39	51
F	mm	91	67	98	104	98	98
G	mm	146	162	187	213	187	187
Weight with standard lift	kg	6.3	8.8	16.4	32.5	24.9	42.1
Weight for 1m additional lifting height	kg	0.7	1.1	1.8	3.7	3.6	5.4
Version Basic: PREMIUM PRO-EX with 1,5 m lift	Order No..	G10320	G10321	G10322	G10323	G10324	G10325
Version Medium: PREMIUM PRO-EX with 1,5 m lift	Order No..	G10326	G10327	G10328	G10329	G10330	G10331
Add. lifting height per m (Basic/Medium)	Order No..	G10086	G10087	G10249	G10287	G10254	G10256
Version High: PREMIUM PRO-EX with 1,5 m lift	Order No..	G10338	G10339	G10340	G10341	G10342	G10343
Add. lifting height per m (High)	Order No..	-	G10345	G10346	G10347	G10348	G10349

* Grad 100

Ex II 2 G Ex h IIC T4 Gb X
Ex II 2 D Ex h IIIC T 135 °C Db



LST-H-EX
0,5
Version
Medium



Push trolley | **LST-H**



LST-G-EX
2
Version
Medium



Gear type trolley | **LST-G**

ATEX-TROLLEYS | **LST-EX**

The trolleys are manufactured to a high quality and are designed for tough and long-lasting operation.

The PREMIUM PRO and PULLMASTER-II pulley blocks with the same load capacity can be easily attached and detached using the lifting hook. The trolleys have rubber buffers on both sides! Can be used in ambient temperatures from -20 °C to +60 °C.

Large adjustment range

Due to the simple change of spacers, the trolleys offer the trolleys adjustability to many carriers.

There are two flange adjustment ranges. The standard bolts are adjustable for normal widths, the size 2 bolts offer an extended adjustment range up to large HE-B beams with 300 mm flange width.

Double safety

Double anti-tippers on both sides of all trolleys prevent the trolleys from climbing onto the girder. Angled side plates act as fall protection.

Stable side plates

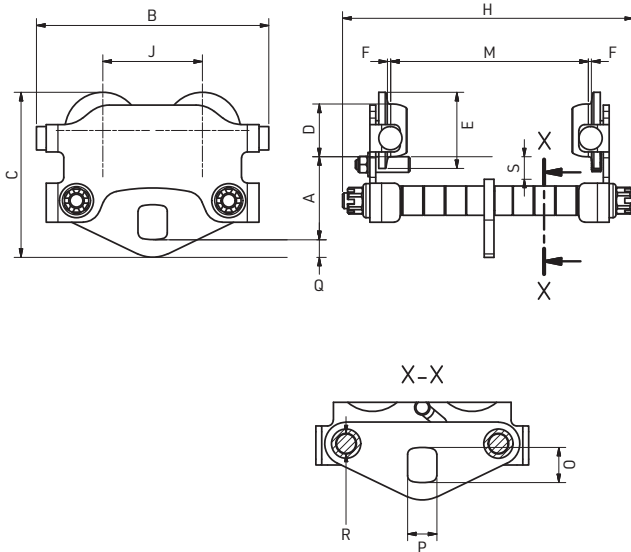
Balanced load distribution on four wheels due to Self-adjustment with two carrying bolts! Slightly movable support bolts allow the side plates to automatically adjust to any unevenness of the running surface.

EX-protection version

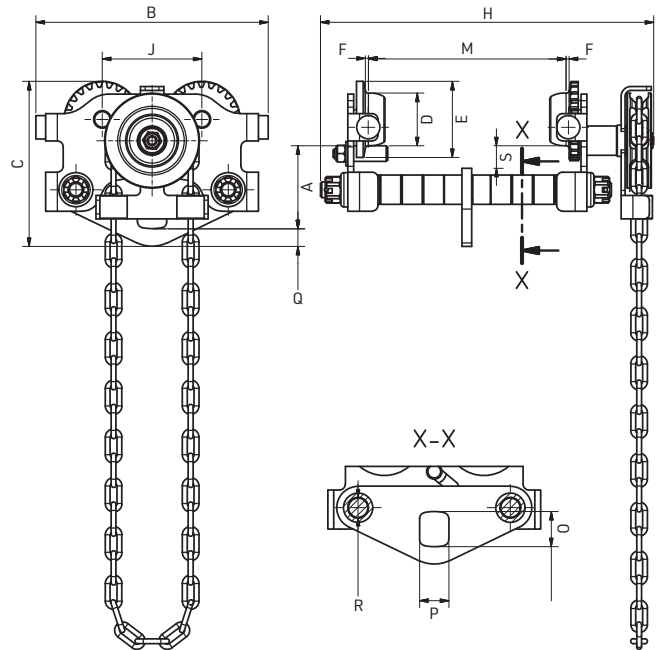
For EX-protected applications, specially treated wheels and hand treated wheels and hand chains made of stainless steel are available, which makes the trolleys suitable for **Ex**-areas up to zone 1 II 2 G IIC T4 the trolleys. The trolleys comply with the ATEX Directive 2014/34/EU.

Important: The manual trolleys shown are designed for use with manual use with manual hoists.

LST-H-EX



LST-G-EX



TYPE	LST-H-EX ...	0.5	1	2	3	5	10	-	
TYPE	LST-G-EX ...	0.5	1	2	3	5	10	20	
Capacity		kg	500	1,000	2,000	3,000	5,000	10,000	20,000
Flange width M min. - max.		mm	50 - 203	64 - 203	88 - 203	100 - 203	114 - 203	124 - 203	136 - 203
Min. curve radius		m	0.85	1	1.1	1.3	1.4	2	a.A.
Hand chain operation length LST-G-EX		m	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Reel path for 1 m path LST-G-EX		m	2.96	3.63	4.65	5.66	6.34	7.98	10.63
A (Dimensions)		mm	85	103	115	125	143	187	250
B		mm	238	288	338	390	472	476	564
C		mm	169	207	237	271	307	381	514
D		mm	54	67	80	100	109	133	170
E		mm	78	96	111	133.5	145	176	228
F		mm	3	3	3	4	4	4	4
H (LST-H-EX)		mm	298	314	325	355	381	388	-
H (LST-G-EX)		mm	342	363	374	403	428	445	498
J		mm	102	112	131	153	168	194	234
O		mm	36	40	48	54	66	80	130
P		mm	30	36	40	46	52	64	100
Q		mm	18	22	26	29	37	40	65
R		mm	∅ 20	∅ 24	∅ 29	∅ 34	∅ 39	∅ 44	∅ 59
S		mm	23	24	28	26	28	50	55
Net weight LST-H-EX		kg	9	14	22	36	55	86	-
Net weight LST-G-EX		kg	11	16	24	39	59	89	190
Version Basic: LST-H-EX	Order No..	G20400	G20401	G20402	G20403	G20404	G20405	-	
Version Medium: LST-H-EX	Order No..	G20410	G20411	G20412	G20413	G20414	G20415	-	
Version High: LST-H-EX	Order No..	G20420	G20421	G20422	G20423	G20424	G20425	-	
Version Basic: LST-G-EX with 2.5 m operation length	Order No..	G20430	G20431	G20432	G20433	G20434	G20435	G20436	
Version Medium: LST-G-EX with 2.5 m operation length	Order No..	G20440	G20441	G20442	G20443	G20444	G20445	G20446	
Version High: LST-G-EX with 2.5 m operation length	Order No..	G20450	G20451	G20452	G20453	G20454	G20455	G20456	
Add. hand chain operation length/m (Basic/Medium)	Order No..	G20017	G20017	G20017	G20017	G20017	G20017	G20017	
Add. hand chain operation length/m (High)	Order No..	G20520	G20520	G20520	G20520	G20520	G20520	G20520	
Larger flange width min. - max.	Order No..	mm	50 - 305	64 - 305	68 - 305	100 - 305	114 - 305	124 - 305	136 - 305
Position lock device	Order No..	G20521	G20522	G20524	G20525	G20526	G20527	G20528	
Extended handwheel shaft	Order No..	G20529	G20530	G20531	G20532	G20533	G20534	G20535	

Other capacities on request!

 II 2 G Ex h IIC T4 Gb X

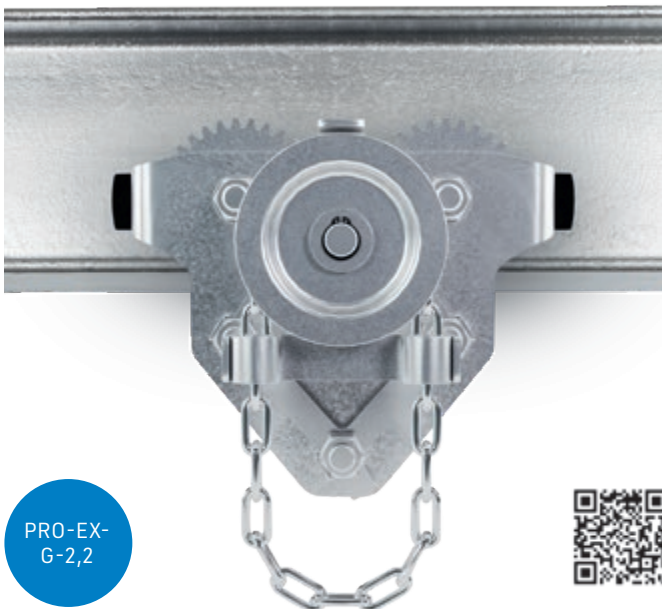
 II 2 D Ex h IIIC T 135 °C Db



PRO-EX-H-2,2



PRO-EX-HC-2,2



PRO-EX-G-2,2



PRO-EX-GC-2,2



 MADE IN GERMANY

TROLLEY | PRO

Our most adaptable trolley series! PRO trolleys are "Made in Germany" and suitable for demanding lifting processes with manual or motorized hoists.

Designed as roller and reel trolleys, they can be optionally extended with our crane joint mounts, block and tackle or chain hoists to create efficient crane systems. The simple replacement of spacers on the bolts enables the trolleys to be precisely adjusted on almost all steel girders.

The high-quality workmanship made of robust and galvanized steel ensures durability and high corrosion resistance.

Technical data:

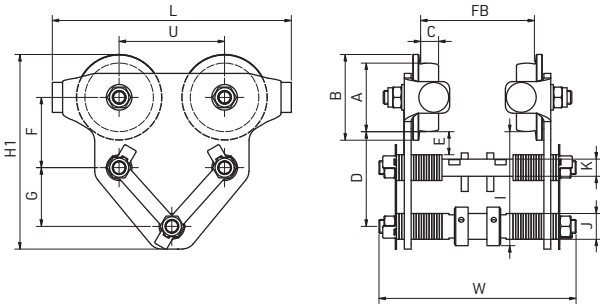
- 5 sizes, load capacities from 500 kg to 5,500 kg
- Up to 4 flange width ranges per size
- Single-flange wheels with 2RS deep-groove ball bearings, for straight and angled steel profiles
- Rubber bumpers

- Fall and climbing protection
- Infinitely adjustable load suspension centering

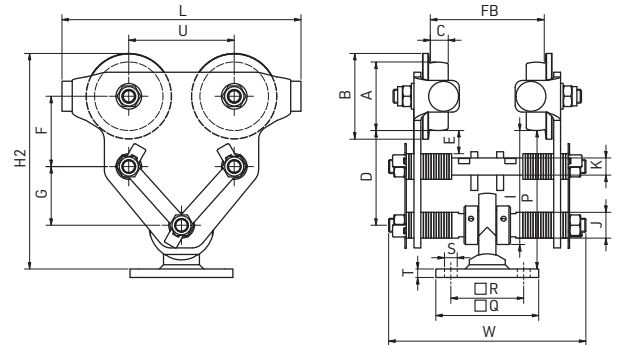
Special versions on request:

- Electric/ rack and pinion/
- curved trolleys
- NIROSTA version
- Higher load capacities up to 20,000 kg

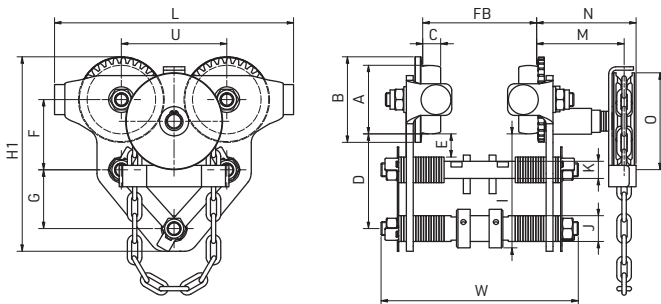
PRO-EX-H



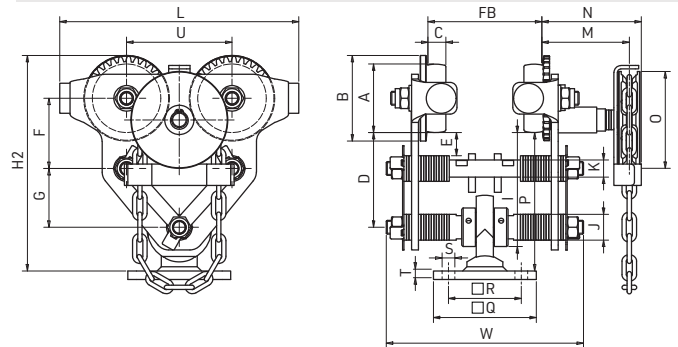
PRO-EX-HC



PRO-EX-G



PRO-EX-GC



TYPE	PRO-EX-H / -HC / -G / -GC- ...	0.5	1.1	2.2	3.3	5.5
Capacity	kg	500	1,100	2,200	3,300	5,500
Flange width FB1 min. - max.	mm	55 - 100	55 - 100	70 - 130	90 - 150	100 - 160
Flange width FB2 min. - max.	mm	100 - 150	100 - 150	130 - 180	150 - 200	160 - 210
Flange width FB3 min. - max.	mm	-	150 - 200	180 - 240	200 - 250	210 - 260
Flange width FB4 min. - max.	mm	-	200 - 250	240 - 300	250 - 300	260 - 310
Min. curve radius	m	1	1.5	1.6	2	2.9
Hand chain operation length PRO-EX-G/GC	m	2.5	2.5	2.5	2.5	2.5
A - E	∅ mm / mm / mm / mm / mm	45 / 60 / 15 / 70 / 15	60 / 75 / 17 / 89 / 20	80 / 100 / 21 / 111 / 27	100 / 120 / 24 / 132 / 35	125 / 150 / 28 / 155 / 38
F - G	mm	48 / 45	62 / 57	82 / 69	104 / 79	122 / 93
H1 (FB1 + 2) / (FB3 + 4)	mm	139 / -	176 / 179	223 / 229	270 / 274	324 / 327
H2 (FB1 + 2) / (FB3 + 4)	mm	-	201 / 207	252 / 262	303 / 311	361 / 369
I (FB1 + 2) / (FB3 + 4)	mm	86 / -	109 / 111	133 / 139	160 / 164	186 / 190
J (FB1 + 2) / (FB3 + 4)	∅ mm	20 / -	25 / 30	30 / 35	35 / 40	40 / 45
K - O	∅ mm / mm / mm / ∅ mm	12 / 171 / - / -	15 / 218 / 107 / 120 / 94	20 / 179 / 104 / 118 / 113	25 / 328 / 109 / 122 / 143	30 / 402 / 133 / 145 / 176
P (FB1 + 2) / (FB3 + 4)	mm	-	134 / 140	162 / 172	193 / 201	224 / 232
Q - T	mm	Plate dimensions of the crane joint mount (option. available) depend on the crane bridge profile. Dimension definition on request / order.				
U	mm	75	99	123	144	174
W (FB1) / (FB2) / (FB3) / (FB4)	mm	165 / 215 / - / -	180 / 230 / 285 / 335	230 / 280 / 340 / 400	275 / 320 / 370 / 420	315 / 355 / 405 / 455
Net weight PRO-EX-H (FB1 / FB2 / FB3 / FB4)	kg	3.1 / 3.5 / - / -	6.1 / 6.4 / 7.1 / 7.5	12.4 / 13.0 / 13.9 / 14.7	22.4 / 23.2 / 24.5 / 25.4	41.4 / 42.5 / 44.1 / 45.3
Net weight PRO-EX-HC (FB1 / FB2 / FB3 / FB4)	kg	-	PRO-EX-H +1.2 kg	PRO-EX-H +1.2 kg	PRO-EX-H +1.2 kg	PRO-EX-H +1.2 kg
Net weight PRO-EX-G (FB1 / FB2 / FB3 / FB4)	kg	-	8.8 / 9.1 / 9.8 / 10.2	15.2 / 15.8 / 16.7 / 17.5	25.6 / 26.4 / 27.7 / 28.6	45.3 / 46.4 / 48.0 / 49.2
Net weight PRO-EX-GC (FB1 / FB2 / FB3 / FB4)	kg	-	PRO-EX-G +1.2 kg	PRO-EX-G +1.2 kg	PRO-EX-G +1.2 kg	PRO-EX-G +1.2 kg
PRO-EX-H FB1	Order No.	G53101	G53111	G53121	G53131	G53141
PRO-EX-H FB2	Order No.	G53102	G53112	G53122	G53132	G53142
PRO-EX-H FB3	Order No.	-	G53113	G53123	G53133	G53143
PRO-EX-H FB4	Order No.	-	G53114	G53124	G53134	G53144
PRO-EX-HC FB1 incl. crane joint mount	Order No.	-	G53111 + G58011	G53121 + G58021	G53131 + G58031	G53141 + G58041
PRO-EX-HC FB2 incl. crane joint mount	Order No.	-	G53112 + G58012	G53122 + G58022	G53132 + G58032	G53142 + G58042
PRO-EX-HC FB3 incl. crane joint mount	Order No.	-	G53113 + G58013	G53123 + G58023	G53133 + G58033	G53143 + G58043
PRO-EX-HC FB4 incl. crane joint mount	Order No.	-	G53114 + G58014	G53124 + G58024	G53134 + G58034	G53144 + G58044
PRO-EX-G FB1	Order No.	-	G53211	G53221	G53231	G53241
PRO-EX-G FB2	Order No.	-	G53212	G53222	G53232	G53242
PRO-EX-G FB3	Order No.	-	G53213	G53223	G53233	G53243
PRO-EX-G FB4	Order No.	-	G53214	G53224	G53234	G53244
PRO-EX-GC FB1 incl. crane joint mount	Order No.	-	G53211 + G58011	G53221 + G58021	G53231 + G58031	G53241 + G58041
PRO-EX-GC FB2 incl. crane joint mount	Order No.	-	G53212 + G58012	G53222 + G58022	G53232 + G58032	G53242 + G58042
PRO-EX-GC FB3 incl. crane joint mount	Order No.	-	G53213 + G58013	G53223 + G58023	G53233 + G58033	G53243 + G58043
PRO-EX-GC FB4 incl. crane joint mount	Order No.	-	G53214 + G58014	G53224 + G58024	G53234 + G58034	G53244 + G58044
Add. operator length hand chain per m	Order No.	on request	on request	on request	on request	on request

More capacities on request!



LHT-H-EX
005L
Version
Medium

Ex II 2 G Ex h IIC T4 Gb X

Ex II 2 D Ex h IIIC T 135 °C Db



Manual chain hoist with push trolley | **LHT-H**



LHT-G-EX
005L
Version
Medium



Manual chain hoist with gear type trolley | **LHT-G**

ATEX-COMBINED TROLLEYS | **LHT-EX**

By directly connecting the manual chain hoist and the trolley, the upper hook of the conventional manual chain hoist is saved and thus the overall height is significantly reduced. Here we use our proven Premium Pro manual chain block in the explosion-protected version.

The PREMIUM PRO-II manual chain hoist with ball bearings is also suitable for heavy-duty use and protected against corrosion by its coated components. Additionally stainless steel components prevent sparking. The standard overload protection prevents overloading of the hoist and the supporting structure. If the Ex class Medium or High is required the load hook is additionally coated against sparking.

The LHT trolley is coated on all sides to reduce sparking and the stainless steel ball bearing wheels ensure smooth running. Wheels ensure smooth running.

Stainless steel load and hand chains are used depending on which Ex class is required.

Standard version:

- PREMIUM PRO-II-EX (Basic, Medium, Manual chain hoist with 3 m lift and 2.5 m manual chain)
- Available as push trolley (Typ: -H) or as gear type trolley (Typ: -G)
- Thanks to the crowned wheel profiles, the LHT is suitable for I-NP girders with inclined flanges as well as for all other HE girders with parallel flanges.

Special equipment (on request):

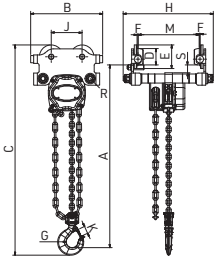
- Chain box for suspended chain
- Design for rust-prone areas with special chains
- Special flange widths up to 305 mm possible if the specified adjustment range (dimension H) is no longer sufficient.

info

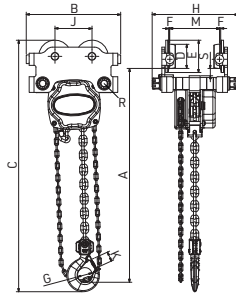
Advantages of a combined trolley:

- Optimum space utilisation
- Reduction of downtimes
z. e.g. in ship engine rooms
- Less expensive bridge and jib cranes
- Labour savings during repair and maintenance work.

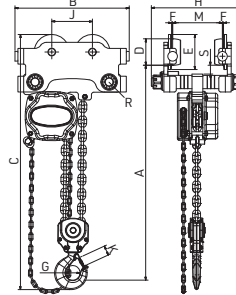
LHT-H-EX 500 – 2.000 kg



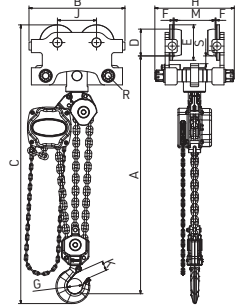
LHT-H-EX 3.000 kg



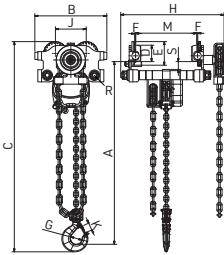
LHT-H-EX 5.000 kg



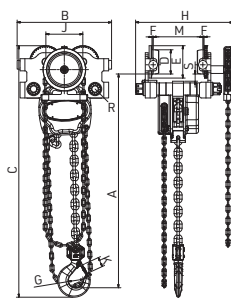
LHT-H-EX 10.000 kg



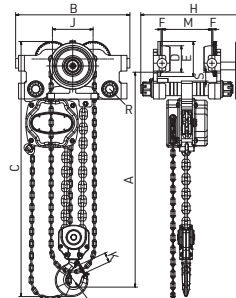
LHT-G-EX 500 – 2.000 kg



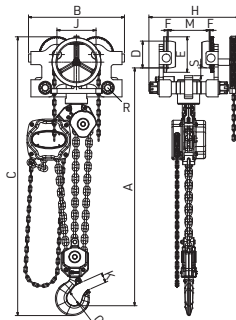
LHT-G-EX 3.000 kg



LHT-G-EX 5.000 kg



LHT-G-EX 10.000 kg



TYPE	LHT...-H/-G-EX	005L	010L	015L	020L	030L	050L	100L
Capacity Basic/Medium	kg	500	1,000	1,500	2,000	3,000	5,000	10,000
Capacity High	kg	500	900	1,250	1,250	2,000	3,200	6,400
Standard lift	m	3	3	3	3	3	3	3
Number of chain falls		1	1	1	1	1	2	3
Chain size	mm	5 × 15	6 × 18	8 × 24	8 × 24	10 × 30	10 × 30	10 × 30*
Min. headroom (A)	mm	266	316	356	361	427	583	769
Flange width min. - max. (M)	mm	50 - 203	64 - 203	88 - 203	88 - 203	100 - 203	114 - 203	124 - 203
Min. curve radius	m	0.85	1	1.1	1.1	1.3	1.4	2
Reel path for 1 m lift	m	29.5	39.4	60.8	60.8	96.7	193.3	290
Reel path for 1 m path LHT-G	m	3	3.6	4.7	4.7	5.7	6.3	8
Weight with 3 m lift LHT-H	kg	13.5	22	42	42	56	82	143
Weight with 3 m lift LHT-G	kg	14.8	23.5	43.7	43.7	58	85	148
Dimension H min. LHT-H	mm	298	314	325	325	355	381	388
Dimension H min. LHT-G	mm	342	363	374	374	403	428	445
B	mm	238	288	338	338	390	472	476
C	mm	352	420	487	487	566	745	940
D	mm	54	67	80	80	100	109	133
E	mm	78	96	111	111	133.5	145	176
F	mm	3	3	3	3	4	4	4
G	mm	∅ 38	∅ 44	∅ 50	∅ 50	∅ 63	∅ 60	∅ 75
J	mm	102	112	131	131	153	168	194
K	mm	24	28	31	31	40	40	48
R	mm	∅ 20	∅ 24	∅ 29	∅ 29	∅ 34	∅ 39	∅ 44
S	mm	23	24	28	28	26	28	50
Weight with 3 m lift LHT-H	kg	13.5	22	42	42	56	82	143
Weight with 3 m lift LHT-G	kg	14.8	23.5	43.7	43.7	58	85	148
Version Basic: LHT-H-EX with 3 m lift	Order No..	G20460	G20461	G20462	G20463	G20464	G20465	G20466
Version Medium: LHT-H-EX with 3 m lift	Order No..	G20470	G20471	G20472	G20473	G20474	G20475	G20476
Additional lift (Basic/Medium) per m (LHT-H)	Order No..	G10271	G10242	G10243	G10243	G10272	G10246	G20077
Version High: LHT-H-EX mit 3 m Hub	Order No..	G20480	G20481	G20482	G20483	G20484	G20485	G20486
Additional lift (High) per m (LHT-H)	Order No..	G10171	G10172	G10173	G10174	G10175	G10176	G10177
Version Basic: LHT-G-EX with 3 m lift	Order No..	G20490	G20491	G20492	G20493	G20494	G20495	G20496
Version Medium: LHT-G-EX with 3 m lift	Order No..	G20500	G20501	G20502	G20503	G20504	G20505	G20506
Additional lift (Basic/Medium) per m (LHT-G-EX)	Order No..	G20320	G20321	G20322	G20323	G20324	G20325	G20327
Version High: LHT-G-EX mit 3 m Hub	Order No..	G20510	G20511	G20512	G20513	G20514	G20515	G20516
Additional lift (High) per m (LHT-G-EX)	Order No..	G20536	G20537	G20538	G20539	G20540	G20541	G20542
Position lock device	Order No..	G20521	G20522	G20523	G20524	G20525	G20526	G20527
Larger flange width (M) min. - max.	mm	64 - 305	64 - 305	88 - 305	88 - 305	100 - 305	114 - 305	124 - 305
	Order No..	G20090	G20091	G20092	G20093	G20094	G20095	G20097

Chain bag (plastic) on request.

* Grade 100

WHAT'S YOUR CHALLENGE?



AIR HOISTS



Air chain hoists p. 60

Air rope hoists p. 67

Air supply p. 68

Air chain hoist

Ex II 2 G/D IIB T5 (X)



EHL-1TW

EHL-05TS

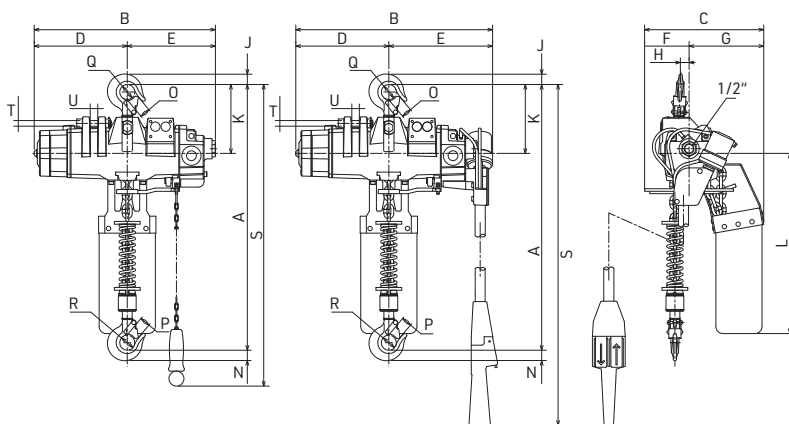
EHL-1TS

Incl.
Chain box for 6 m
stroke. Larger chain
boxes on request.

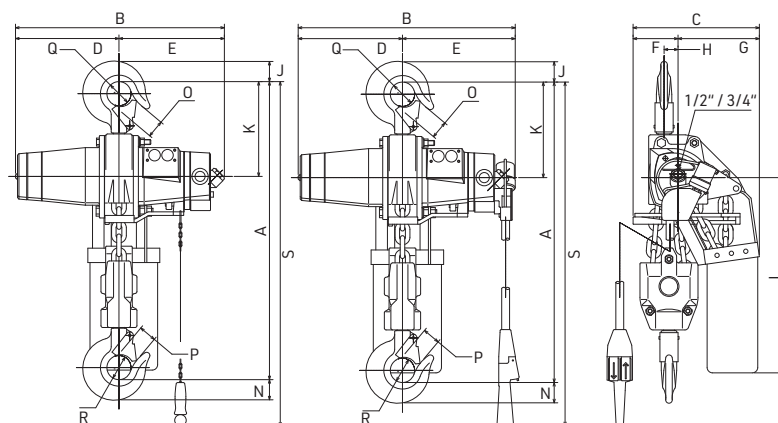
AIR CHAIN HOIST | EHL

The EHL air chain hoists with small and compact aluminium housings are characterised by easy handling. With high speeds and compressed air operation, they are well suited for explosive and aggressive areas, e.g. chemical plants, paint shops, etc. In the load capacity range from 500 kg to 6,000 kg, the pneumatic hoists are equipped with a chain control or optionally with a manual control button (PCS version).

The maximum operating length with push-button control is 8 metres.

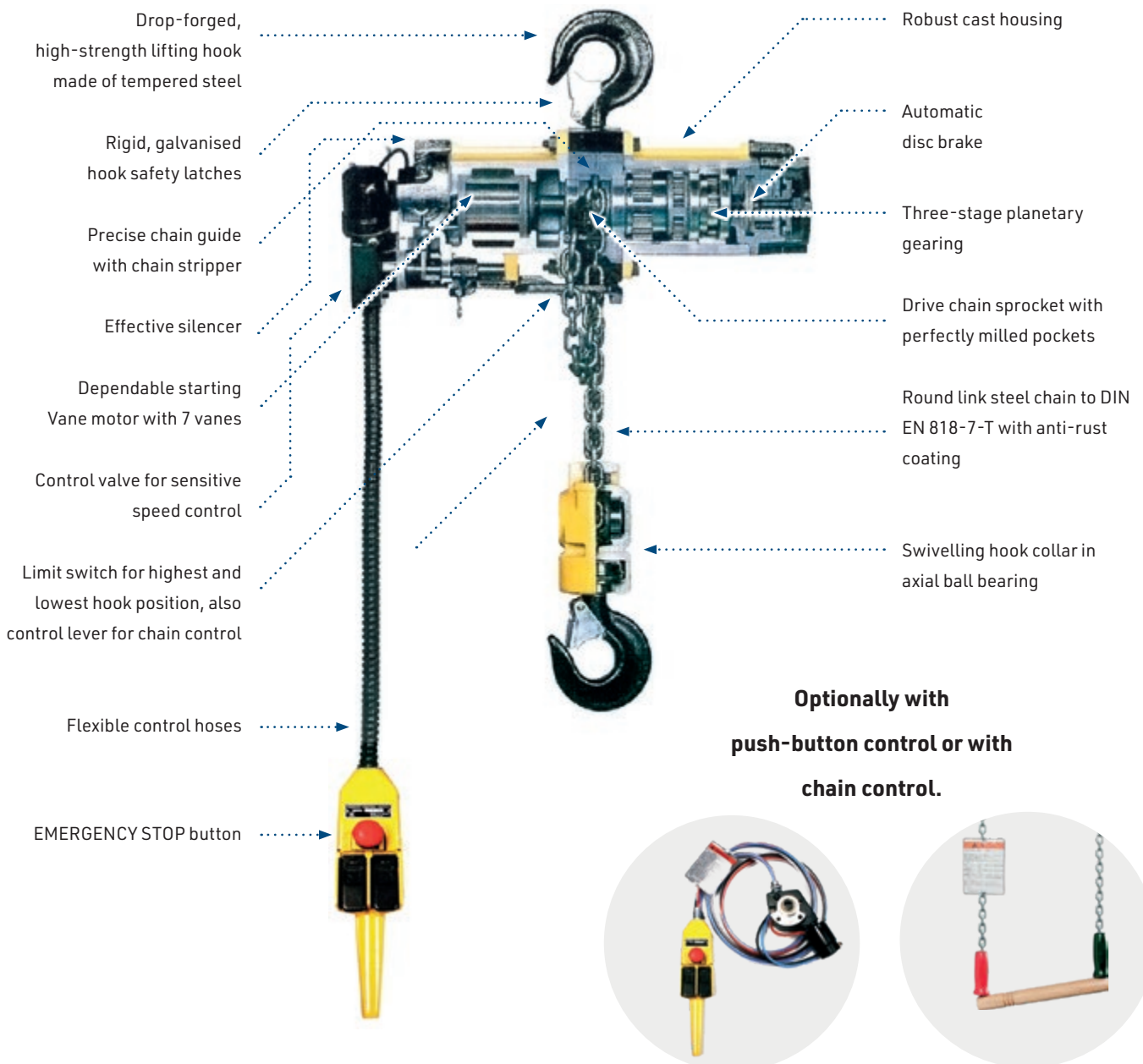


EHL-05TS / EHL-05 PCS-1 / EHL-1TW / EHL-1TW PCS-1



EHL-1TS / EHL-1TS PCS-2 - EHL-6TW / EHL-6TW PCS-2

TYPE	EHL-...	05TS	05TS PCS-1	1TW	1TW PCS-1	1TS	1TS PCS-2	2TW	2TW PCS-2	3TS	3TS PCS-2	6TW	6TW PCS-2
A (Dimensions) min.	mm	510	510	581	581	603	603	692	692	582	582	768	768
B	mm	387	420	387	420	487	518	487	518	583	599	583	599
C	mm	255	255	255	255	285	285	285	285	348	348	348	348
D	mm	199	199	199	199	242	242	242	242	287	287	287	287
E	mm	188	221	188	221	245	276	245	276	296	312	296	312
F	mm	95	95	95	95	119	119	119	119	124	124	124	124
G	mm	160	160	160	160	166	166	166	166	224	224	224	224
H	mm	18.5	18.5	26	26	27	27	27	27	38.5	38.5	38.5	38.5
J	mm	22	22	26	26	37	37	37	37	56	56	56	56
K	mm	147	147	155	155	184	184	184	184	264	264	264	264
L	mm	385	385	385	385	400	400	400	400	540	540	540	540
N	mm	22	22	26	26	31	31	37	37	44	44	56	56
O	mm	22	22	25	25	32	32	32	32	49	49	49	49
P	mm	22	22	25	25	29	29	32	32	36	36	49	49
Q	Ø mm	32	32	36	36	45	45	45	45	67	67	67	67
R	Ø mm	32	32	36	36	40	40	45	45	50	50	67	67
S	mm	2,260	2,490	2,270	2,500	2,300	2,560	2,300	2,560	2,400	2,640	2,400	2,640
T	Ø mm	12	12	12	12	-	-	-	-	-	-	-	-
U	mm	16	16	16	16	-	-	-	-	-	-	-	-



**Optionally with
push-button control or with
chain control.**

TYPE	EHL-...	05TS	1TW	1TS	2TW	3TS	6TW
Capacity	kg	500	1,000	1,000	2,000	3,000	6,000
Standard lift	m	3	3	3	3	3	3
Number of chain falls		1	2	1	2	1	2
Chain size (diameter)	mm	6.3	6.3	7.1	7.1	12.5	12.5
Min. Headroom	mm	510	581	603	692	582	768
Lifting speed at 6 bar	m/min	10.5	5.2	6	3	3	1.5
Air consumption	m ³ /min	1.65	1.65	1.8	1.8	3.14	3.14
Air inlet R	inch	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Weight with chain stay / manual control button	kg	20 / 22	26 / 28	34 / 37	42 / 44	79 / 81	101 / 103
EHL with chain control	Order No.	H10320	H10321	H10322	H10323	H10324	H10325
EHL with push-button control (PCS)	Order No.	H10326	H10327	H10328	H10329	H10330	H10331
Add. lift per meter	Order No.	H10332	H10333	H10334	H10335	H10336	H10337
Additional length chain control per m	Order No.	H10042	H10042	H10042	H10042	H10042	H10042
Additional length push-button control	Order No.	H10043	H10043	H10043	H10043	H10043	H10043
Maintenance unit	Order No.	H10054	H10054	H10054	H10054	H10055	H10055



Maintenance unit

The vane motor rotates up to 6,000 times a minute. To prevent dry running and malfunctions, a maintenance unit is recommended as close as possible to the air inlet.

Ex II 3 G Ex h IIB T4 Gc

Ex II 3 D Ex h III B T 135 °C Dc



TCR 1000C2
with cable control
(Chain control)

Air power trolley DLK (upon request)



AIR CHAIN HOIST | LIFTMASTER TCR

The areas of application

A hoist can not just be selected for its load bearing capacity. Easy operation, the type of task, the frequency of use, the required speed and precision of the control are important factors that must be considered. The LIFTMASTER compressed air hoist can basically be used wherever electric hoists are used. Furthermore, it is particularly suitable for explosive areas and corrosive atmospheres, as its motor is innately non-sparking and extremely resistant to environmental influences. Extensive protective measures are therefore not required.

Fault-free operation

Overloads cannot damage the LIFTMASTER, as there is no overheating and torsion that burns through. To protect the bearing structures and to conform with the CE Machinery Directive, as of a load bearing capacity of 1 t, adjustable overload cut-off devices are provided, which are also available as an option for smaller devices. Whether it's being stopped and started or operated continuously: you can expect reliable performance.

Compact and light

Small dimensions and a light structure make the LIFTMASTER ideal for low installation conditions

Variable speed

Unlimited speed changes make it possible to position loads accurately and precisely. The knotted link control can be controlled very precisely thanks to its direct connection to the control rod.

Soft start and stop

The LIFTMASTER provides high operational safety. A soft start-up reduces wear, as gentle operation of the compressed air hoists leads to fewer vibrations and a longer device service life.

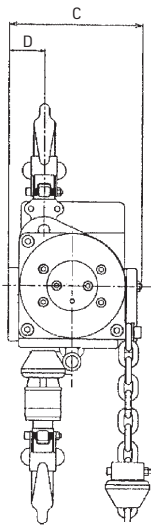
Best cost effectiveness

Thanks to the low air consumption and the low procurement cost, the LIFTMASTER is very cost-effective.

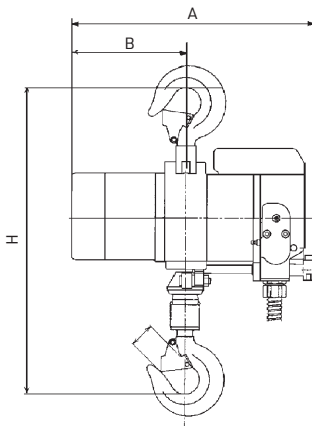
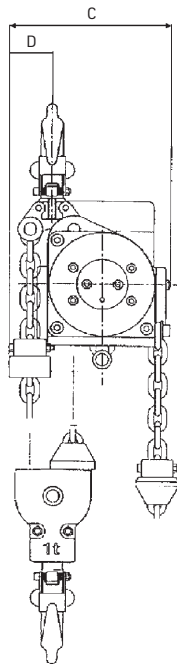
Air pressure

The LIFTMASTER achieves its specified performance data at 6 bar flow pressure. 4 or 5 bar is also sufficient, whereby only 70 or 85 % of the speeds are reached. The rated load is always lifted. The very comprehensive range of TCR compressed air

1-chain fall



2-chain falls



hoists from 0.25 to 100 tonnes has a very convenient ratio of size to performance. The speeds of the hoists can be varied infinitely and they are designed for continuous use, a switch-on duration of 100 % is no problem. Smooth starts and stops prevent "shock" movements. The TCR compressed air hoists are particularly suitable for continuous and safe use thanks to their compact cast steel housing.

Equipment features:

- Drop-forged, high-strength hook made of tempered steel
- Stable, galvanised hook aperture safeguards
- Effective noise suppressor
- Precise chain guide with chain wiper
- Reliably starting multi-disc motor with 7 discs
- Control valve for precise speed control
- Robust cast metal housing
- Drive chain sprocket with accurately fitting, milled recesses
- Limit switches for top and bottom hook position, and rocker switch for knotted link chain control
- Flexible control hoses
- Round steel chain in accordance with DIN EN 818-7-T, with rust protection coating
- Three-stage planetary gear
- Automatic disc brake
- EMERGENCY STOP button, also for 4-fold button control with trolley, in accordance with EN 418.
- Rotatable hook bundle in axial ball bearing

TYP	LIFTMASTER TCR ...	250C/P	500C/P	1000C2/P	1000C/P	2000C2/P
Capacity (Air pressure 6 bar - 1Bm)	kg	250	500	1,000	1,000	2,000
Lifting speed without load	m/min	20.5	20.5	10.3	11.3	5.7
Lifting speed with full load	m/min	10.5	10.5	5.3	6	3
Lowering speed with full load	m/min	13.4	13.4	6.7	6.8	3.4
Lowering speed with full load	m/min	17.9	17.9	9	10.3	5.2
Air consumption with full load	l/sec	25	25	25	25	25
Number of chain falls		1	1	2	1	2
Air inlet R	Zoll	1/2"	1/2"	1/2"	1/2"	1/2"
Chain size	mm	6.3 × 19.1	6.3 × 19.1	6.3 × 19.1	7.1 × 21	7.1 × 21
A (Dimensions)	mm	342	342	342	342	342
B	mm	156	156	156	156	156
C	mm	149	149	180	157	194
D	mm	52	52	47	40	50
E	mm	29	29	29	29	29
H	mm	462	462	519	466	580
Weight with standard lift	kg	31	31	34	35	40
TCR with 3 m Lift with rope control	Best.-Nr.	H10001	H10002	H10003	H10004	H10005
TCR with 3 m Lift with pendant control	Best.-Nr.	H10015	H10016	H10017	H10018	H10019
Add. lift per meter	Best.-Nr.	H10029	H10029	H10030	H10031	H10032
Maintenance unit	Best.-Nr.	H10054	H10054	H10054	H10054	H10054
Chain bag (plastic) to 3 m lift	Best.-Nr.	H10340	H10341	H10342	H10343	H10344
Add. air powered trolley DLK	Best.-Nr.	H10044	H10052	H10053	H10099	H10045
Add. control length rope control / m	Best.-Nr.	H10042	H10042	H10042	H10042	H10042
Add. control length pendant control / m	Best.-Nr.	H10043	H10043	H10043	H10043	H10043
Pneumatic-Special-Oil (Content: 2.5 Liter)	Best.-Nr.	H20566	H20566	H20566	H20566	H20566

Chain bags from 10,000 kg (sheet steel) on request!

 II 3 G Ex h IIB T4 Gc

 II 3 D Ex h III B T 135 °C Dc



TMH 3000



TMH 6000



TMH 25000



AIR CHAIN HOISTS | LIFTMASTER TMH


The LIFTMASTER TMH compressed air chain hoist has the highest lifting speeds with the smallest installation height on the hoist market. With an M4 "Class of Mechanism", this new hoist has a long service life, which guarantees continuity in your work. The TMH hoists have been designed with a fastening eye on the housing for easy installation and to affix the hoist for additional safety (while working).

Equipment features:

- Very accurate speed control (cable and pushbutton operation)
- Optimum checks and exact positioning of the load
- Closing valve for the main air passage
- Mechanical limit stop shut-off
- Integrated load limiter without losing the construction height
- Operational air pressure (4 – 6.3 bar)
- Exhaust air through the hose

Standard

Lifting height 3 m, control length 2 m, up to ATEX zone

 II 3 G Ex h IIB T4 Gc and

 II 3 D Ex h III B T135°C Dc.

See also chapter 2 'EX protection information'.

Higher EX protection on request!



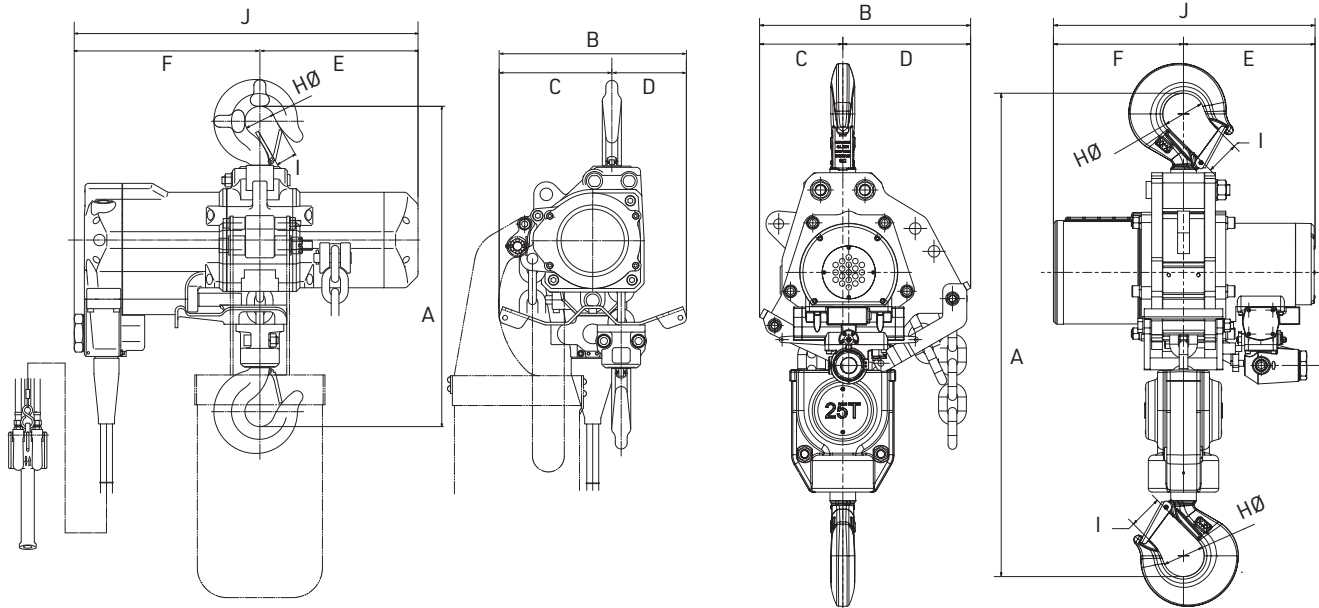
Manual push-button control



Rope control

TMH 3000

TMH 25000



TYPE	LIFTMASTER TMH ...	3000	6000	9000	12000	15000	25000
Capacity (Air pressure 6 bar - 1Bm)	kg	3,000	6,000	9,000	12,000	15,000	25,000
Lifting speed without load	m/min	10.8	5.4	3.6	2.7	2.16	2.7
Lifting speed with full load	m/min	5.4	2.7	1.8	1.35	1.08	1.4
Lowering speed with full load	m/min	10.2	5.1	5.1	2.5	2.04	3
Air consumption with full load	l/sec	58.3	58.3	58.3	58.3	58.3	108
Number of chain falls		1	2	3	4	5	2
Air inlet R	inch	3/4" BSPT	3/4" BSPT	3/4" BSPT	3/4" BSPT	3/4" BSPT	1 1/2" BSPT
Chain size	mm	13 × 36	13 × 36	13 × 36	13 × 36	13 × 36	23.5 × 66
A (Dimensions)	mm	537	742	800	856	855	1,290
B	mm	314	371	455	398	466	566
C	mm	189	245	295	249	313	223
D	mm	125	126	160	149	152	343
E	mm	265	265	310	266	275	356
F	mm	311	311	265	309	300	352
H	ø mm	50	65	53	83	84	100
I	mm	34	42	53	64	58	71
J	mm	576	576	576	575	575	708
Weight with standard lift	kg	99	124	170	190	280	581
TMH with 3 m Lift with rope control	Order No.	H10360	H10362	H10369	H10371	H10373	H10366
TMH with 3 m Lift with pendant control	Order No.	H10361	H10363	H10370	H10372	H10374	H10367
Add. lift per meter	Order No.	H10364	H10365	H10377	H10378	H10379	H10368
Maintenance unit	Order No.	H10054	H10054	H10056	H10056	H10056	H10090
Chain bag (galvanised steel) to 3 m lift	Order No.	H10345	H10345	H10345	H10345	H10345	-
Add. air powered trolley DLK	Order No.	H10046	H10047	H10047	H10047	H10047	H10051
Add. control length rope control / m	Order No.	H10042	H10042	H10042	H10042	H10042	H10042
Add. control length pendant control / m	Order No.	H10043	H10043	H10043	H10043	H10043	H10043
Pneumatic-Special-Oil (Content: 2.5 Liter)	Order No.	H20566	H20566	H20566	H20566	H20566	H20566

Other capacities on request!

Air chain hoists

Ex II 3 G Ex h IIB T4 Gc

Ex II 3 D Ex h IIIB T 135 °C Dc



TCRM 250C
with rope control
(chain control)

250 kg



TCS-980
with
chain case



Light

Very light weighted aluminium housing



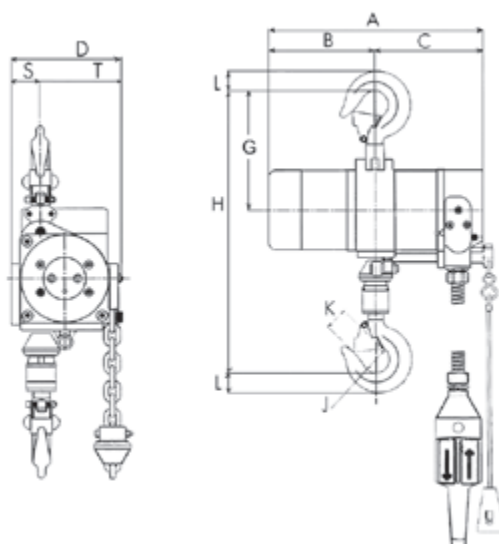
Fast

Lifting speed from 4.5 to 17 m/min with full load

MINI-HOIST | TCRM/TCS

If you are looking for an excellent technical, flexible and compact air hoist that works under many different situations, now here it is. The new model range TC. This series comprises the new 125 to 990 kg pneumatic chain hoists. The TC is one of the most compact and transportable air chain hoist you can get. The headroom of the TC hoist is only 305 mm (125/250 kg). Although the weight is only 7 kg with inclusive 3 m length of load chain, the air hoist can lift up to 17 meters per minute without any problem. The new TC is available with rope or pendant control including emergency stop. The keys allow optimal control over variable speeds. Use up to ATEX-Zone

Ex II 3 G Ex h IIA T4 Gc and Ex II 3 D Ex h IIIA T135°C Dc.



TYPE	TCR ...	M125 C/DP	M250 C/DP	M500 C2/DP2	TCS-500	TCS-980
Capacity	kg	125	250	500	500	990
Number of chain falls		1	1	2	1	2
Air pressure	bar	6	6	6	6	6
Lifting speed with full load	m/min	14	9.3	4.5	17	8.5
Lifting speed without load	m/min	19	19	9.5	33	16.5
Air consumption	l/s	11.7	11.7	11.7	33	33
Chain size	mm	4 × 12	4 × 12	4 × 12	6.3 × 19	6.3 × 19
Control length	m	2	2	2	2	2
Min. Headroom (H)	mm	305	305	365	414	456
A (Dimensions)	mm	230	230	230	365	365
B	mm	110	110	110	204	204
C	mm	120	120	120	161	161
D	mm	95	95	95	143	173
G	mm	130	130	130	151	173
K	mm	29	29	29	25	29
L	mm	15	15	15	15	29.5
S	mm	35	35	35	31	37
T	mm	60	60	60	112	136
Weight with standard lift	kg	7	7	8.5	15.9	16.8
Weight for 1 m additional lift	kg	0.35	0.35	0.7	0.9	1.8
TCR/TCS with 3 m lift and rope control	Order No.	H10070	H10071	H10072	H10088	H10108
TCR/TCS with 3 m lift and pendant control	Order No.	H10073	H10074	H10075	H10098	H10118
Additional lift per meter	Order No.	H10076	H10076	H10077	H10069	H10128
Chain case size 1 (chain length 12 m / TCR500 6 m)	Order No.	H10354	H10354	H10354	-	-
Chain case size 2 (chain length 20 m / TCR500 10 m)	Order No.	H10355	H10355	H10355	-	-

AIR ROPE HOIST | LIFTMASTER EHW

Mobile application

The pneumatic rope hoist LIFTMASTER EHW is a practical addition to the TC chain hoist program. This model is ideal for small load up to 120 KG that must be moved quite often. All hoists are equipped with a high-tensile steel rope which is spooled on a drum inside of the hoist body.

Two types of control

The EHW types are hand guided and have their control direct at the hoist body that allows one hand of operator to be free for other actions. The EHW-R hoists have a separate push key pendant control with one red emergency shut-off mushroom button that ensures safety and complies with CE-regulations.

Automatic Brake

All hoists have a fail-safe automatic disc brake which holds the load in any position even if the air supply fails.

Versatility of Service

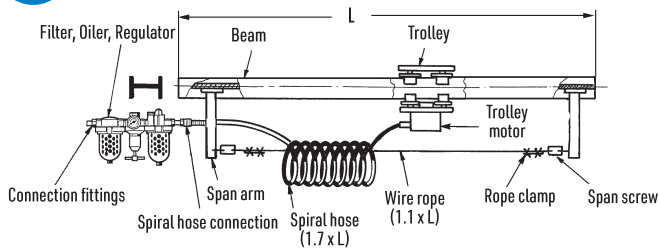
These hoist are perfectly used at pack tables, for lifting of barrels, bundles, parcels, over machine tools in slewing cranes etc. The hoists switch off automaticaly in highest and lowest hook position. Interesting is the combination with a pneumatic vacuum lifter, whereby both units can be served through one common air line. All hoists have a standard 2-meter rope which fits onto the drum. That is sufficient in most cases. However if you need a longer rope, perhaps to allow a higher suspension of the type EHW-R, we can extend the rope. But this additional length cannot be spooled on the drum. The control hoses can be made longer up to 10 m. The air pressure shall be max. 6.3 bar, but it can drop to 4 bar and the hoist still lifts its rated capacity, only much slower.



TYPE	EHW ...	60R	120R
Capacity	kg	60	120
Standard lift	m	2	2
Number of rope strands		1	1
Air pressure	bar	6	6
Lifting speed with full load	m/min	26	16
Air consumption	m ³ /min	0.9	0.9
Air inlet R	inch	3/8"	3/8"
Weight with standard lift	kg	10	10
EHW... with standard rope length	Order No.	H10083	H10084

More capacities on request.

TYP 1 SPIRAL HOSE

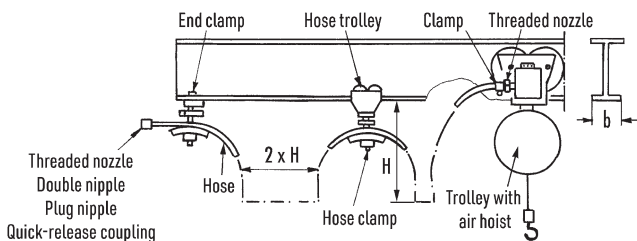


Beam length up to 10 m are best to serve with a spiral hose for air supply. A rope is spanned parallel to the beam between two holding arms. The spiral hose winds around it. The plastic hose acts like a spiral spring, gets longer or shorter with the moving trolley.

Complete set for 3 meter beam drive:

Spiral hose with reserve ($1.7 \times L$), twistable connections with male thread, 2 span arms, wire rope with reserve, 4 rope clamps and 2 span screws. The maintenance unit (filter, lubricator, regulator) should be fixed as near as possible to the trolley. Short beams may have it at the beginning of the beam.

TYP 2 DRAG HOSE



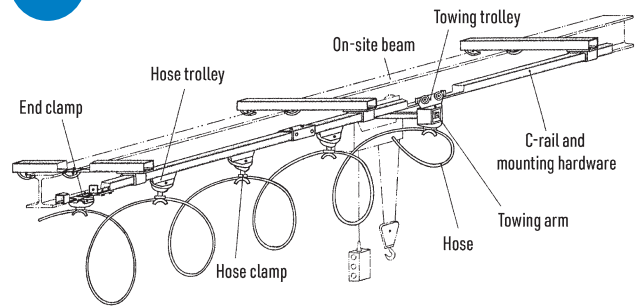
Pulling the air hose behind the trolley is the easiest way to bring air to the hoist. Small plastic trolleys carry the hose in certain distance behind the trolley. The hose hangs normally one meter down. So one hose carrier is needed each two meters. The hose is transparent with a strengthening textile inlet. It stands a pressure up to 15 bar. Water and oil cannot harm it. Since the trolleys are pushed together when the train comes into end position, the beam must be a little bit longer.

Complete set:

The beside mentioned order number includes all accessory for a beam length of 3 m. In details: air hose plus 3 meter addition for leading down to the ground where a ball valve cuts air supply off. Plastic trolleys, end clamp, nipples end other fittings. If the hose shall be detachable, a quick-acting coupling shall be ordered.

ATTENTION: Driving through curves need special equipment. Please inquire!

TYP 3 C-TRACK



A C-track is the most comfortable air supply. The total beam length can be used for driving. This type is mostly used with slewing cranes because the complete length of swing arm is necessary to drive on. Here the holding arm of C-rack can be fixed easily what is difficult in opposite under the ceiling in case of a double T-beam. C-tracks are available in lengths of 6 m. They are added with combiners to longer rails.

Complete set:

Basic set for 3 m travel: compressed air hose plus 3 metres extra for lowering to the floor, ball valve at the start of the hose for connection to your ring line, three support arms with brackets and screws, C-rail holder, C-rail, rail connector, driver arm, driver trolley, end clamp and cable trolley with hose holders.



TYPE		1	2	3
Standard driving length				
Complete 1/2 inch	Order No.	H10180	H10181	H10182
1 m more rail length 1/2 inch	Order No.	H10183	H10184	H10185
Complete 3/4 inch	Order No.	H10186	H10187	H10188
1 m more rail length 3/4 inch	Order No.	H10189	H10190	H10191
Complete 1 inch	Order No.	-	H10193	H10194
1 m more rail length 1 inch	Order No.	-	H10196	H10197
Special equipment:				
Quick-action coupling 1/2 inch	Order No.	-	H10199	H10200
Quick-action coupling 3/4 inch	Order No.	-	H10202	H10203
Quick-action coupling 1 inch	Order No.	-	H10205	H10206
Air hose 1/2 inch - 6 bar	Order No.	-	H10208	H10209
Air hose 3/4 inch - 6 bar	Order No.	-	H10211	H10212
Air hose 1 inch - 6 bar	Order No.	-	H10214	H10215
Air hose 1 1/4 inch - 6 bar	Order No.	-	H10217	H10218
Air hose 1 1/2 inch - 6 bar	Order No.	-	H10220	H10221

ELECTRIC CHAIN HOIST



Electric chain hoist PITCH	p. 72
Push trolleys for PITCH	p. 77
Electric trolleys for PITCH	p. 77
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Push trolleys for PEH	p. 90
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Power supply	p. 107
Electric rope hoist	p. 108
Heavy Lifting	p. 110
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PERFORMANCE LINE

ELECTRIC CHAIN HOIST PITCH PF

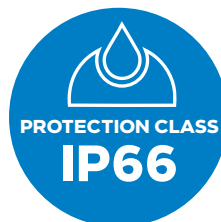
The intelligent generation of the electric chain hoist.

Frequency-controlled. Monitored. Precise.

For modern industrial processes in the case of which control, dynamics, and positioning accuracy are important.

Applications:

- Production lines
- Automated manufacturing
- Precision assembly
- Plant engineering
- Process integration
- High-cycle applications



FEATURES

- Standard frequency control
- Dynamically controlled load movement
- Reduced mechanical stress
- Maximum positioning accuracy
- Integrated safety monitoring
- Highest protection rating in the portfolio

Ideal for modern, process-integrated applications.

INDUSTRY LINE

ELECTRIC CHAIN HOIST PEH

The proven industrial electric chain hoist

**Robust technology. Mechanical reliability.
Maximum versatility.**

For users who rely on proven contactor technology, high mechanical safety, and extreme adaptability.

Applications:

- Workshops
- Trade & Construction
- Steel Construction
- Maintenance & Repair
- Harsh Environments
- Special Applications (ATEX, DGUV, Food Industry, etc.)



FEATURES

- Mechanical robustness
- Proven technology without sensitive electronics
- Wide range of variants
- Custom solutions & special designs
- Globally proven industrial system

Ideal for traditional industrial and heavy-duty applications.



PF25-S1-
2500



ELECTRIC CHAIN HOIST | **PITCH PF**

The PITCH PF sets the standard for performance and durability. Thanks to its innovative aluminum-magnesium construction and intelligent control system, it offers maximum reliability in daily use—without compromise.

Your benefits at a glance:

Maximum safety:

Dual protection provided by electronic monitoring and a mechanical slip clutch in the drivetrain.

Long service life:

Smooth acceleration and deceleration via a frequency converter reduces wear on mechanical components and the supporting structure.

Easy to maintain:

Easy access to the chain guide and sprocket; wear-free “lifetime brake”.

Optimal cooling:

The housing design, which facilitates efficient heat dissipation, eliminates the need for forced cooling.

Precise handling:

Full torque control across the entire speed range for smooth, jerk-free movement.

Low operating costs:

An efficient drive system and IP66-rated components reduce downtime.

Compact. Powerful. Cost-effective.



Compact and robust

The robust aluminum-magnesium die-cast housing allows for optimal cooling of the engine, transmission and control unit during operation.



Service-friendly

Easy replacement of chain guide and chain drive wheel without disassembling the chain hoist and without special tools.



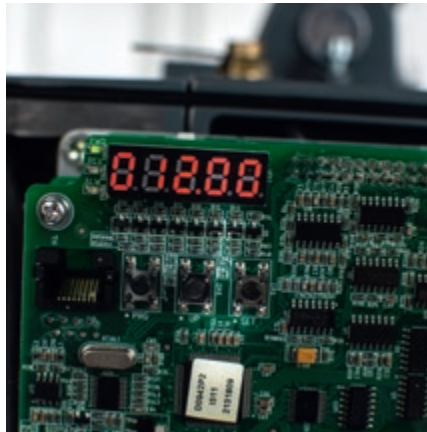
Suitable for outdoor use

By designing the chain hoist to protection class IP66, it is both dust-tight and protected against water jets.



Plug & Play/cable connectors for control cable and main power

No electrically competent person is required to connect the hoist.



Gentle lifting and lowering

Precise load control through frequency inverter. The control unit provides optimum monitoring of the hoist in its safety devices.



Maintenance-free brake

Positioning behind the slipping clutch for maximum safety.















PRECISE POSITIONING

Control down to the millimeter. Safety in every movement.

Modern industrial processes demand more than just lifting loads. They demand dynamism, repeatability, and absolute control.

With intelligent frequency control, sensitive torque monitoring, and controlled start-up and braking, our performance lifting equipment enables precisely controllable load movement—even in the case of high cycle rates and complex process sequences.

The result:

- **Less pendulum motion.**
- **Less mechanical stress.**
- **Greater process reliability.**

For us, precision is not an add-on—it is the system.





Electric chain hoist



ELECTRIC CHAIN HOIST | PEH

The PEH has a modular design and is equipped with a robust contactor control. Robust design thanks to the use of die-cast aluminium for the housing and cover. It is characterised by very smooth running and is designed for a long service life in tough applications.

YOUR BENEFITS:

Light and powerful.

The newest generation of PLANETA electrical chain hoists. Simple and easy to use – reliable and safe to operate – durable and maintenance-friendly.

Reliable and long-lasting

- No sensitive electronics used
- Aluminium casing and cover
- Minimum 1,600 operating hours with 40 % duty cycle, 240 s/h (FEM: 2 m, ISO M5)
- Dry-running slipping clutch
- Area of application –15 to +50 °C
- Gearbox with permanent lubrication
- High safety in operation
- Low-wear DC-spring-loaded brake
- Chain safety factor minimum 8-times (1-fall in FEM, 2 m, ISO, M5)
- Manganese phosphated profile steel chain with increased service life and improved dry-running properties



PEH 250/1
single-
stranded

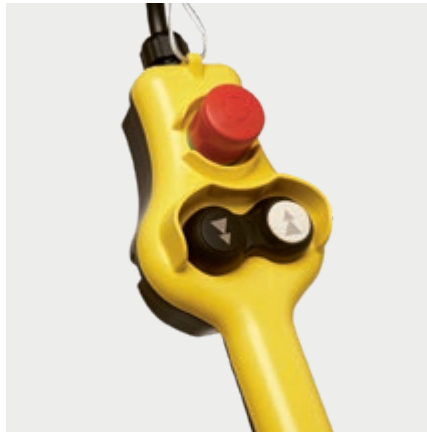


Easy to operate

- Low dead weight
- Compact housing with low headroom
- Protection class IP65; suitable for outdoor use
- Geared limit switches with high accuracy in positioning of the highest and lowest hook position
- Ergonomic control switch with emergency stop
- 42 V low voltage control
- Quiet running with 3-step drive and helical gearing
- 2 speeds as standard
- Load hook rotated through 360 degrees, with locking safety catch and rubber buffer
- Easy to maintain, wearing parts can be changed easily and quickly
- Short delivery time

Customer specific

- Three- or single-phase power
- Worldwide operation voltages
- Various control voltages
- Direct control, special control, radio remote control, frequency inverter
- Special speeds
- Special versions such as synchronised electric chain hoist, low headroom version, corrosion resistant version, ATEX
- Eyebolt or hook suspension
- Temperature monitoring
- Operating data counter
- Wide range of accessories and options
- DGUV V17/18 model available
- UP-SIDE-DOWN model available



Control switch

The control switch fits comfortably in your hand and is ergonomically designed. It is robust, impact-resistant, safe to operate and controlled by 42 V low voltage.

Push buttons placed in parallel increase the ease of operation. The external strain relief protects the control cable.



Profile steel chain

The higher cross-sectional area reduces wear and increases the lifetime of the chain. The PEH has a chain safety factor of at least 8-times (FEM, 2 m, ISO, M5). The case hardened and manganese phosphated profile steel chain provides about 15% more capacity at an identical nominal diameter compared to the round steel chain.



Polygonal connection

The inner part of the modularly designed chain hoist embodies real innovation. All shaft-hub connections are built to a polygonal design.

This allows significantly faster disassembly and assembly during maintenance and thus reduces service costs.



Protection class IP65

A feature of the hoist and the control switch is the protection class IP65.

It is dust proof and protected against water jets. As it is compact and robust designed, the GP is best suited for dusty environments as well as for outdoor operation.



PEH 250/1
single-
stranded



PEH 500/2
two-strand



PEH 2500/2
zweisträngig

Basic version with contactor control

Equipment:

- Lifting capacity: to 6,300 kg
- 3 × 400 V / 50 Hz
- 42 V low voltage control
- 3-phase motor (3 ph): 2 speeds
- 1-phase motor (1 ph): 1 speed
- Insulation class F (motor)
- DC spring-loaded brake
- Slipping clutch not in the flow of forces
- Geared limit switches

Accessories and options:

- Other operating voltages on request
- Other control voltages on request
- Single handed operation with controls on the handle
- Hook suspension
- Safety load hook
- Gearbox limit switch with two additional emergency stop contacts
- Synchronized hoists
- Operating hours and circuit counter
- Manual brake release
- Chain container for various lifting heights
- Lifting heights up to 160 m
- Manual and electric trolleys
- Gear grease for low temperature use / food industry
- DGUV V17/18 model available
- UP-SIDE-DOWN model available

TYPE	Capacities in kg acc. ISO (FEM)*					Lifting speed with load m/min. 50 Hz	Number of chain falls	Chain size mm	Motor power kW	3 x 400 V 50 Hz **1 x 230 V A	Weight with 3 m lift kg	Weight each meter add. lift kg	Order No. PEH with 3 m lift	Order No. Add lift per m
	A3/M3 15 (25 % ED)	A4/M4 30 (30 % ED)	A5/M5 60 (40 % ED)	A6/M6 120 (50 % ED)	A7/M7 240 (60 % ED)									
PEHM250/1NF	-	320	250	200	-	8/2	1	3.75 x 10.75	0.37/0.1	2.0/1.2	17	0.34	H21520	H21521
PEHM250/1SF	-	-	125	100	-	16/4	1	3.75 x 10.75	0.37/0.1	2.0/1.2	17	0.34	H21522	H21521
PEH250/1NF	400	320	250	200	160	8/2	1	3.75 x 10.75	0.72/0.18	2.8/1.7	24	0.34	H21524	H21521
PEH250/1SF	-	160	125	100	-	16/4	1	3.75 x 10.75	0.72/0.18	2.8/1.7	24	0.34	H21526	H21521
PEH250/1N	400	320	250	200	160	8	1	3.75 x 10.75	0.72	2.8	24	0.34	H21528	H21521
PEH250/2NF	-	630	500	400	320	4/1	2	3.75 x 10.75	0.72/0.18	2.8/1.7	25	0.68	H21534	H21535
PEH250/2N	-	630	500	400	320	4	2	3.75 x 10.75	0.72	2.8	25	0.68	H21536	H21535
PEH500/1NF	800	630	500	400	320	8/2	1	5.25 x 15	0.72/0.18	2.8/1.7	26	0.69	H21542	H21543
PEH500/1SF	-	320	250	200	160	16/4	1	5.25 x 15	0.72/0.18	2.8/1.7	26	0.69	H21544	H21543
PEH500/1N	800	630	500	400	320	8	1	5.25 x 15	0.72	2.8	26	0.69	H21546	H21543
PEH500/2NF	-	1,250	1,000	800	630	4/1	2	5.25 x 15	0.72/0.18	2.8/1.7	28	1.38	H21552	H21553
PEH500/2N	-	1,250	1,000	800	630	4	2	5.25 x 15	0.72	2.8	28	1.38	H21554	H21553
PEH1000/1NF	1,600	1,250	1,000	800	630	8/2	1	7.45 x 23	2.3/0.57	5.7/4.1	58	1.37	H21600	H21609
PEH1000/1SF	-	630	500	-	-	16/4	1	7.45 x 23	2.3/0.57	5.7/4.1	58	1.37	H21601	H21609
PEH1000/1N	1,600	1,250	1,000	800	630	8	1	7.45 x 23	2.3	6.4	57	1.37	H21602	H21609
PEH1000/1NL	1,600	1,250	1,000	800	630	4	1	7.45 x 23	1.5	3.7	57	1.37	H21603	H21609
PEH1000/2NF	-	2,500	2,000	1,600	1,250	4/1	2	7.45 x 23	2.3/0.57	5.7/4.1	62	2.74	H21604	H21610
PEH1000/2N	-	2,500	2,000	1,600	1,250	4	2	7.45 x 23	2.3	6.4	61	2.74	H21605	H21610
PEH1000/2NL	-	2,500	2,000	1,600	1,250	2	2	7.45 x 23	1.5	3.7	61	2.74	H21606	H21610
PEH1600/1NF	2,500	2,000	1,600	-	-	8/2	1	9.4 x 27.4	3.7/0.93	9.5/5.5	93	2.22	H21670	H21611
PEH1600/1SF	-	1,000	800	-	-	16/4	1	9.4 x 27.4	3.7/0.93	9.5/5.5	93	2.22	H21671	H21611
PEH1600/1NL	2,500	2,000	1,600	1,250	1,000	4	1	9.4 x 27.4	2.2	5.7	88	2.22	H21672	H21611
PEH1600/2NF	5,000	4,000	3,200	-	-	4/1	2	9.4 x 27.4	3.7/0.93	9.5/5.5	102	4.44	H21673	H21612
PEH1600/2NL	5,000	4,000	3,200	2,500	2,000	2	2	9.4 x 27.4	2.2	5.7	97	4.44	H21674	H21612
PEH2500/1NF	-	-	2,500	2,000	-	8/2	1	11.75 x 32.9	3.7/0.93	9.5/5.5	100	3.53	H21675	H21613
PEH2500/1SF	-	-	1,250	1,000	-	16/4	1	11.75 x 32.9	3.7/0.93	9.5/5.5	100	3.53	H21676	H21613
PEH2500/1NL	-	-	2,500	2,000	-	4	1	11.75 x 32.9	2.2	6.1	95	3.53	H21677	H21613
PEH2500/1BF	4,000	3,200	-	-	-	6.4/1.6	1	11.75 x 32.9	3.7/0.93	9.5/5.5	100	3.53	H21678	H21613
PEH2500/1BL	4,000	3,200	-	-	-	3.2	1	11.75 x 32.9	2.2	6.1	95	3.53	H21679	H21613
PEH2500/2NF	-	-	5,000	4,000	-	4/1	2	11.75 x 32.9	3.7/0.93	9.5/5.5	117	7.06	H21680	H21614
PEH2500/2NL	-	-	5,000	4,000	-	2	2	11.75 x 32.9	2.2	6.1	112	7.06	H21681	H21614
PEH2500/2BF	-	6,300	-	-	-	3.2/0.8	2	11.75 x 32.9	3.7/0.93	9.5/5.5	117	7.06	H21682	H21614
PEH2500/2BL	-	6,300	-	-	-	1.6	2	11.75 x 32.9	2.2	6.1	112	7.06	H21683	H21614

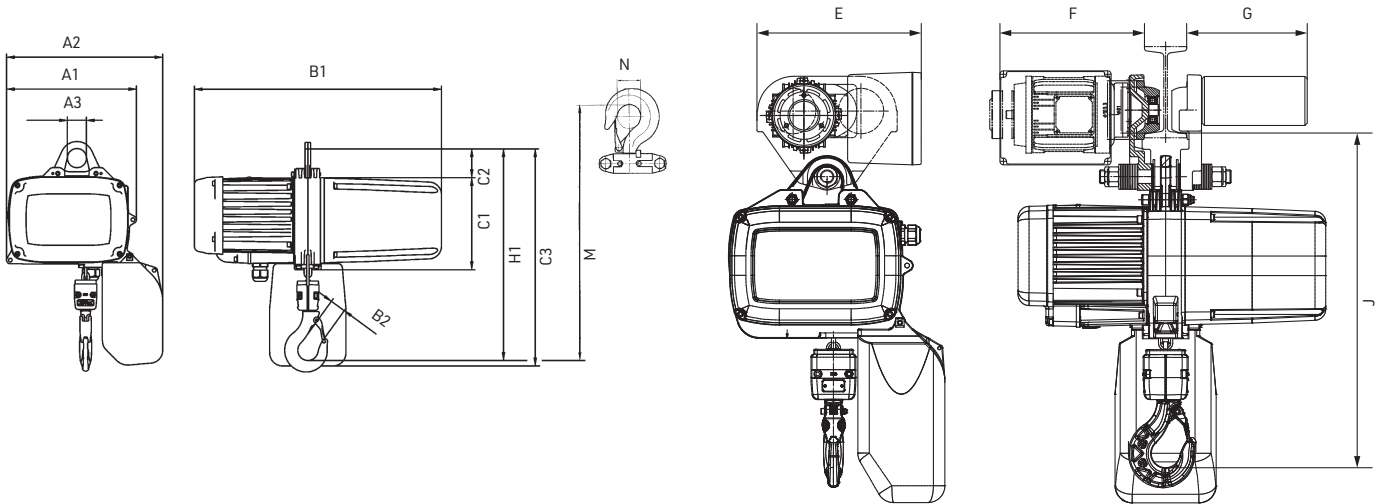
Now available with a lifting capacity of up to 8,000 kg! ■ Standard version

PEH / PEHM Electric Chain Hoists – Single-Phase Version

The PEH and PEHM electric chain hoists are available in a single-phase version. They are ideal for workshop applications where a three-phase power supply is not available, for mobile use, or for outdoor applications.

TYPE	Capacities in kg acc. ISO (FEM)*					Lifting speed with load m/min. 50 Hz	Number of chain falls	Chain size mm	Motor power kW	3 x 400 V 50 Hz **1 x 230 V A	Weight with 3 m lift kg	Weight each meter add. lift kg	Order No. PEH with 3 m lift	Order No. Add lift per m
	A3 (M3)	A4 (M4)	A5 (M5)	A6 (M6)	A7 (M7)									
PEH250/1N 1Ph	-	-	250	200	160	8	1	3.75 x 10.75	0.55	5.9	22	0.34	H21530	H21521
PEH250/1NL 1Ph	-	-	250	200	160	4	1	3.75 x 10.75	0.55	5.9	22	0.34	H21532	H21521
PEH250/2N 1Ph	-	-	500	400	320	4	2	3.75 x 10.75	0.55	5.9	22	0.68	H21538	H21535
PEH250/2NL 1Ph	-	-	500	400	320	2	2	3.75 x 10.75	0.55	5.9	22	0.68	H21540	H21535
PEH500/1N 1Ph	-	-	250	200	160	8	1	5.25 x 15	0.55	5.9	23	0.69	H21548	H21543
PEH500/1NL 1Ph	-	-	500	400	320	4	1	5.25 x 15	0.55	5.9	23	0.69	H21550	H21543
PEH500/2N 1Ph	-	-	500	400	320	4	2	5.25 x 15	0.55	5.9	23	1.38	H21556	H21553
PEH500/2NL 1Ph	-	-	1,000	800	630	2	2	5.25 x 15	0.55	5.9	23	1.38	H21558	H21553
PEH1000/1N 1Ph	-	-	500	400	-	8	1	7.45 x 23	1.5	6	48	1.37	H21685	H21609
PEH1000/1NL 1Ph	-	-	1,000	800	630	4	1	7.45 x 23	1.5	6	48	1.37	H21686	H21609
PEH1000/2N 1Ph	-	-	1,000	800	-	4	2	7.45 x 23	1.5	6	48	2.74	H21687	H21610
PEH1000/2NL 1Ph	-	-	2,000	1,600	1,250	2	2	7.45 x 23	1.5	6	48	2.74	H21688	H21610

Electric chain hoist



PEH with eye or hook

PEH with electric trolley

TYPE (Dimensions)	PEH 250/1	PEH 250/2	PEH 500/1	PEH 500/2	PEH1000/1	PEH1000/2	PEH1600/1	PEH1600/2	PEH2500/1	PEH2500/2	
A1	mm	246	246	246	246	328	328	380	380	380	380
A2	mm	296	296	296	296	385	385	452	452	452	452
A3	mm	Ø 40	Ø 40	Ø 40	Ø 40	Ø 52	Ø 52	Ø 75	Ø 75	Ø 62	Ø 62
B1	mm	444	444	444	444	548	548	650	650	650	650
B2	mm	24	24	24	24	33	33	35	35	41	41
C1	mm	162	162	162	162	212	212	237	237	237	237
C2	mm	49	49	49	49	85	85	135	135	132	132
C3	mm	462	462	462	462	598	598	870	870	870	870
E	mm	278	278	278	278	293	293	341	341	387	387
F	mm	250	250	250	250	253	253	337	337	343	343
G	mm	209	209	209	209	211	211	281	281	288	288
H1	mm	400	414	414	453	519	578	659	727	692	781
J	mm	455	481	463	502	594	654	690	758	728	817
M	mm	475	506	488	528	592	651	688	756	785	874
N	mm	Ø 42	Ø 42	Ø 42	Ø 42	Ø 51	Ø 51	Ø 35	Ø 35	Ø 41	Ø 41

PEH | ACCESSORIES & OPTIONS



Safety radio remote control

The 295 gram lightweight, very rugged handheld transmitter is powered by a rechargeable lithium ion battery and has a protection class of IP66. The receiver which is integrated in a stable housing has a protection class of IP65. With its certified STOP function the receiver meets the requirements of SIL 3 Performance Level PL e. The receiver connects with the chain hoist via a multi-pin plug.



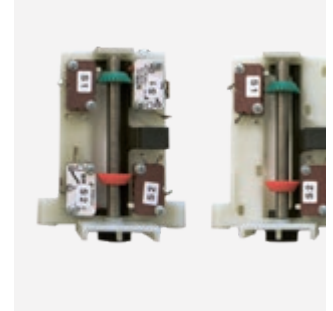
Safety load locking hook

The standard load hook has a spring mechanism that prevents the load from inadvertently detaching from the load hook. The mechanical interlocking of the hook lug of the 360° rotatable and 180° swivelling safety load hook secures the transported goods. The locking load hook closes automatically under load and must be manually unlocked for opening.



Operating data counter

The installation of an operating data counter gives the user additional safety during operation and can extend the life of the electric chain hoist when under-used. By analysing the operating hours and the number of circuits on a mobile reading device or a PC / laptop the optimum maintenance cycle can be set.



Geared limit switch

With the integrated geared limit switch (3 ph.) the upper and lower end position of the load hook can be set easily, precisely and are easily accessible. Optionally, to increase safety, two additional emergency stop contacts are available. High speed shutdown and external limit switch for high lifting heights are other options.



Frequency inverter

Electric chain hoist, motorised trolley or the complete crane system can be operated using frequency inverters. The soft start ensures the accurate and gentle start and positioning of goods and minimises oscillating motion. The speeds and ramps for

lifting and travelling can be programmed to suit the application.



Rotating limit switch

Switches the direction of movement of the electric trolley as a 1-stage pre-limit switch and as a 2-stage limit switch.



Switch controls

- Standard with strain relief
- 2-button: specially ergonomic
- Standard with EMERGENCY STOP
- Protection class: IP65 according to DIN 40050

GHF
1250 K



PUSH TROLLEY | GHF & PHF

Push trolley for steel girders, load capacity: up to 6,300 kg, manual movement of the manual or electric chain hoist

GHF 500 K

- Capacity: to 500 kg
- Glass fibre reinforced plastic castors
- Optimum ease of movement
- Smooth running
- Side signs made of die-cast aluminium with fall and climbing protection
- Low weight of only 2.5 kg
- Galvanised support bolt
- Flange width 50 – 149 mm
- Minimum curve radius 1,200 mm

PHF
1250



PHF 1250 – 6300

- Capacity: 1,250 – 6,300 kg
- Castors made of grey cast iron, cylindrical for flat track supports, ball bearing mounted
- Grey cast iron side plates with fall and climbing protection
- PHF 1250/2500 with 1 support bolt
- PHF 5000/6300 with 2 support bolts
- Galvanised support bolt
- Flange width infinitely adjustable
- Optional parking brake for PHF 1250
- Optional guide rollers
- Optionally available with crowned castors
- Optional Niro-Castors*
- Optional Plastic castors*

* Load reduction

Option: Guide castors



TYPE	Capacities in kg acc. ISO (FEM)*					Min. Curve radius mm	Weight kg	Flange width mm	Order No..	Flange size width mm	Order No..***
	A3/M3	A4/M4	A5/M5	A6/M6	A6/M6						
GHF 500K**	500	500	500	400	320	1,200	2.5	50 – 99	H20729	100 – 149	H20735
PHF 1250	1,250	1,000	800	630	500	1,000	10	70 – 140	H20800	70 – 240	H20745
PHF 2500	2,500	2,000	1,600	1,250	1,000	1,500	19	88 – 200	H20801	88 – 300	H20746
PHF 5000	5,000	4,000	3,200	2,500	2,000	1,800	32	91 – 300	H20802	91 – 300	H20802
PHF 6300	6,300	5,000	4,000	3,200	2,500	1,800	47	91 – 300	H20803	91 – 300	H20803

Only in conjunction with PEH 250/500 *Bolt sets without trolley



ELECTRIC TROLLEY | **PMF**

Motorised trolleys for steel girders,
load capacities: up to 6,300 kg

- 3 × 400 V / 50 Hz, 3 × 230 V / 50 Hz
- 1 × 115 V / 50 Hz, 1 × 230 V / 50 Hz
- Control 42 V low voltage
- 3-phase motor (3 Ph): 1 or 2 speeds
- 1-phase motor (1 Ph): 1 speed
- Protection class IP54
- Side plates and castors made of grey cast iron
- Castors for flat running surface (IPE/HEA/HEB)
- Flange width infinitely adjustable
- Galvanised support bolt
- Fall and climbing protection
- Ergonomic 4-button control switch with emergency stop
- Control switch with external strain relief
- Isolation class F (Motor)
- DC spring-applied brake
- Optionally with travelling limit switch
- Optionally with radio control
- Optionally available with crowned rollers
- Optional food grade grease
- Optional guide rollers

TYPE	Capacities in kg acc. ISO (FEM)*					Driving speed m/min. 50 Hz	Min, Curve radius mm	Motor power kW	3 x 400 V 50 Hz A	Weight kg	Flange width mm	Order No..	Flange size width mm	Order No..**
	A3/M3	A4/M4	A5/M5	A6/M6	A6/M6									
PMF1250/NF	1,250	1,000	800	6.30	500	12/4	1,000	0.15/0,045	0.65/0.75	30	70 – 140	H20804	70 – 240	H20745
PMF1250/SF	1,250	1,000	800	6.30	500	24/6	1,000	0.3/0,075	1.0/0.9	30	70 – 140	H20805	70 – 240	H20745
PMF1250/N	1,250	1,000	800	6.30	500	12	1,000	0.25	0.8	30	70 – 140	H20806	70 – 240	H20745
PMF2500/NF	2,500	2,000	1,600	1,250	1,000	12/4	1,500	0.15/0,045	0.65/0.75	38	88 – 200	H20809	88 – 300	H20746
PMF2500/SF	2,500	2,000	1,600	1,250	1,000	24/6	1,500	0.3/0,075	1.0/0.9	38	88 – 200	H20810	88 – 300	H20746
PMF2500/N	2,500	2,000	1,600	1,250	1,000	12	1,500	0.25	0.8	38	88 – 200	H20811	88 – 300	H20746
PMF4000/NF	4,000	3,200	2,500	2,000	1,600	12/4	1,800	0.15/0,045	0.65/0.75	55	91 – 300	H20814	-	-
PMF4000/SF	3,200	2,500	2,000	1,600	1,250	24/6	1,800	0.3/0,075	1.0/0.9	55	91 – 300	H20815	-	-
PMF5000/NF	-	5,000	4,000	3,200	-	12/4	1,800	2 × 0.15/0,045	2 × 0.65/0.75	63	91 – 300	H20816	-	-
PMF5000/SF	5,000	4,000	3,200	2,500	-	24/6	1,800	2 × 0.3/0,075	2 × 1.0/0.9	63	91 – 300	H20817	-	-
PMF6300/NF	6,300	5,000	4,000	3,200	-	12/4	1,800	2 × 0.15/0,045	2 × 0.65/0.75	78	91 – 300	H20818	-	-
PMF6300/SF	6,300	5,000	4,000	3,200	-	24/6	1,800	2 × 0.3/0,075	2 × 1.0/0.9	78	91 – 300	H20819	-	-

**Bolt sets without trolley

PMF electric trolleys in a single-phase version

TYPE	Capacities in kg acc. ISO (FEM)*					Driving speed m/min. 50 Hz	Min, Curve radius mm	Motor power kW	1 × 230 V 50 Hz A	Weight kg	Flange width mm	Order No..	Flange size width mm	Order No..**
	A3/M3	A4/M4	A5/M5	A6/M6	A6/M6									
PMF1250/N 1Ph	1,250	1,000	800	630	500	12	1,000	0.25	1.0	30	70 – 140	H20807	70 – 240	H20745
PMF2500/N 1Ph	2,500	2,000	1,600	1,250	1,000	12	1,500	0.25	1.0	38	88 – 200	H20812	88 – 300	H20746

* ISO (FEM) classification: Number of actuations on the control switch per hour: A3 (M3) = 150 actuations per hour, 25 % duty cycle, A4 (M4) = 180 actuations per hour, 30 % duty cycle
A5 (M5) = 240 actuations per hour, 40 % ED, A6 (M6) = 300 actuations per hour, 50 % ED, A7 (M7) = 360 actuations per hour, 60 % ED

**Bolt sets without trolley

ACCESSORIES | PEH & PHF / PMF-TROLLEY

Chain box


Chain box	Chain box size (Please note below!)	Version	Order No..*	
PEHM 250	up to 8 m Chain	Plastic	H21640	
	up to 18 m Chain	Textile	H21642	
	up to 32 m Chain	Textile	H21643	
PEH 250/500**	up to 8/6 m Chain	Plastic	H21647	
	up to 24/12 m Chain	Plastic	H21648	
	up to 40/20 m Chain	Textile	H21650	
PEH 250/500**	up to 60/30 m Chain	Textile	H21651	
	PEH 1000**	up to 6 m Chain	Plastic	H21655
		up to 10 m Chain	Textile	H21656
up to 20 m Chain		Textile	H21657	
PEH 1000**	up to 30 m Chain	Textile	H21658	
	up to 50 m Chain	Textile	H21659	
	up to 55 m Chain	Textile	H21660	
PEH 1600/2500**	up to 10/6 m Chain	Textile	H21661	
	up to 16/12 m Chain	Textile	H21662	
	up to 32/26 m Chain	Textile	H21663	
PEH 1600/2500**	up to 35/28 m Chain	Textile	H21664	

* Only in conjunction with electric chain hoist/trolley ** IMPORTANT: For 2-fall chain hoists, the required chain length is doubled in relation to the required lifting height. If necessary, a larger chain box size must be selected. For example: PEH 250/2NF, required lifting height: 5 m, 2 x 5 m chain = 10 m total chain length. Length. Required chain box: H21648.


Other accessories

Accessories	Order No..
Thermal motor protection / Klixon 140°C	H20073
Special motor voltage	H20076
Special control voltage	H20078
CEE-plug with 5m connection cable	H20080
Schuko plug with 5 m cable	H20081
Counter of operation hours	H20553
Remote control solo train PEH 250/500	H21692
Remote control solo train PEH 1000	H21724
Remote control solo train PEH 1600/2500	H21725
Remote control with electric trolley	H21726
Limit switches for electric motor trolley	H20559
Rain cover PEH 250/500	H21728
Rain cover PEH 1000	H21729
CSA/UL Version	H20563
Gear grease suitable for foodstuffs	H21702
Surcharge for unloading	H20726
Wear plate PEH 250/500 for UP-SIDE-DOWN	H21714
Wear plate PEH 1000 for UP-SIDE-DOWN	H21715
Wear plate PEH 1600 for UP-SIDE-DOWN	H21716
Wear plate PEH 2500 for UP-SIDE-DOWN	H21717

Safety load hook, self-closing

Safety load hook (instead of standard load hook) 	Order No..
PEHM 250/PEH 250	H21705
PEH 500	H21706
PEH 1000	H21707
PEH 1600	H21708
PEH 2500	H21709

Hook suspension

Hook suspension 	Order No..
PEHM 250	H21620
PEH 250 / 500	H21621
PEH 1000	H21622
PEH 1600	H21637
PEH 2500	H21638

Gearbox limit switch

Gear limit switch with 2 additional emergency stop switches 	Order No..
PEH	H21694

Wheels for PHF/PMF trolleys

convex, made of steel	Order No..
Convex steel wheels for PHF/PMF 1250	H20825
Convex steel wheels for PHF/PMF 2500	H20826
Convex steel wheels PHF/PMF 5000	H20827
Convex steel wheels PHF/PMF 6000	H20828

Special designs on request:

- Electric chain hoist for theatres, studios and stages
DGUV V17/18
- Electric chain hoists for dust Ex zone
Ex II 3D Ex tc IIA T130 °C Db
- Electric chain hoists with special voltage



PEH-
KH-Lift



ELECTRIC CHAIN HOIST | **PEH-KH-LIFT**

The PLANETA PEH-KH-Lift is based on the PEH electric chain hoist and is ideally suited to the safe and speedy handling of loads with single-handed operation. The load (hook or other receptacle upon request) is permanently connected to the controller. In this way, the operator only needs one hand to

operate the chain hoist and to guide the load securely.

- Standard left and right hand operation
- Standard equipment with two lifting speeds

- Step less speed control with frequency inverter available (optional)
- Allows the controlled and perfected handling of different (incl. liquids) transport goods



Protection class IP65

A feature of the hoist and the control switch is the protection class IP65. It is dust proof and protected against water jets. As it is compact and robust designed, the GP is best suited for dusty environments as well as for outdoor operation.

Operation

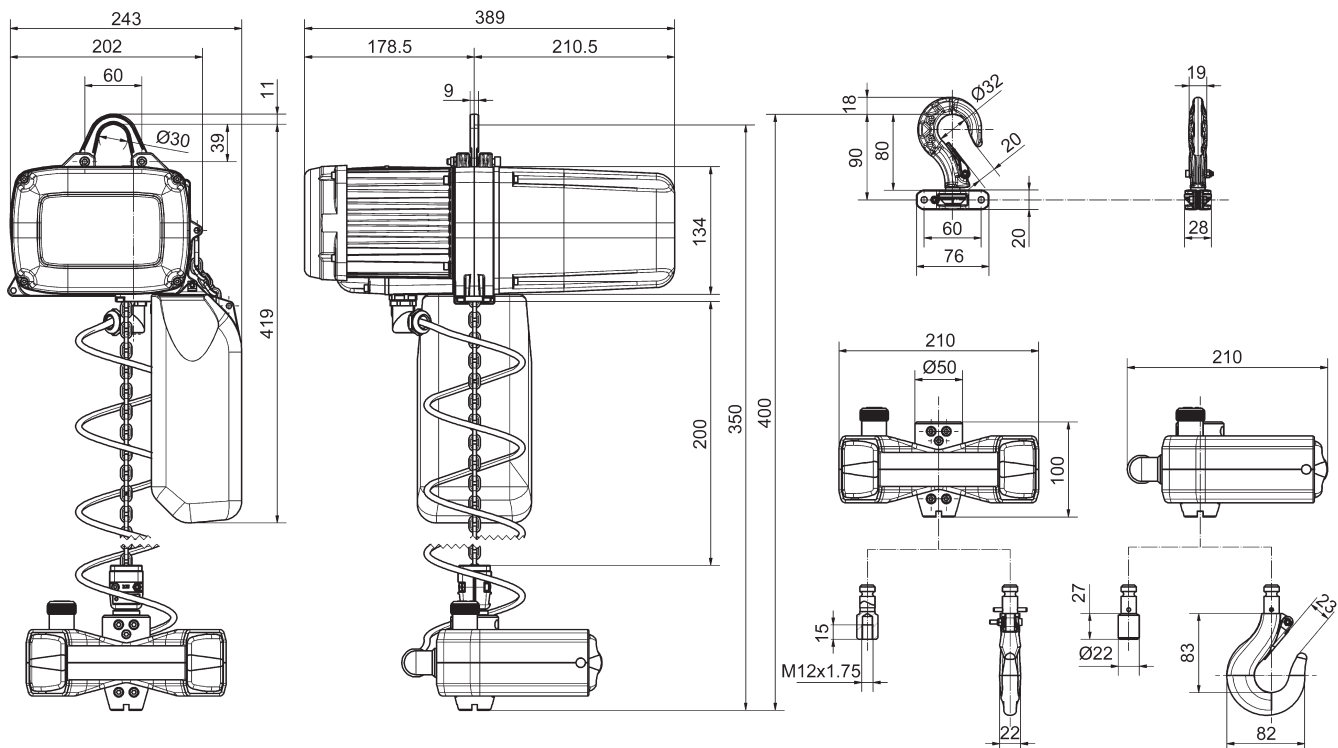
Comfortable one-hand operation for fast and precise Positioning of the load.

Suspensions

Optional eye or hook suspension for the stationary use.

Power supply

CEE plug with cable as option.



TYPE	Capacities in kg acc. ISO (FEM)*					Lifting speed with m/min.	Chain size mm	Motor power kW	3 x 400 V/50 Hz A	Weight with 3m lift kg	Order No..
	A5 (M5)	A6 (M6)	A6 (M6)	A6 (M6)	A6 (M6)						
PEH-KH Lift 250/1NF3	250	200	160	125	100	8/2	3.7 x 10.75	0.37/0.1	2.0/1.2	19	H20680
PEH-KH Lift 250/1SF3	125	100	80	-	-	16/4	3.7 x 10.75	0.37/0.1	2.0/1.2	19	H20681
PEH-KH Lift 500/1NF4	500	400	-	-	-	8/2	5.25 x 15	0.72/0.18	2.8/1.7	25	H20682
PEH-KH Lift 500/1SF4	250	200	-	-	-	16/4	5.25 x 15	0.72/0.18	2.8/1.7	25	H20683

* ISO (FEM) classification: Number of actuations on the control switch per hour









Electric chain hoist | Special versions

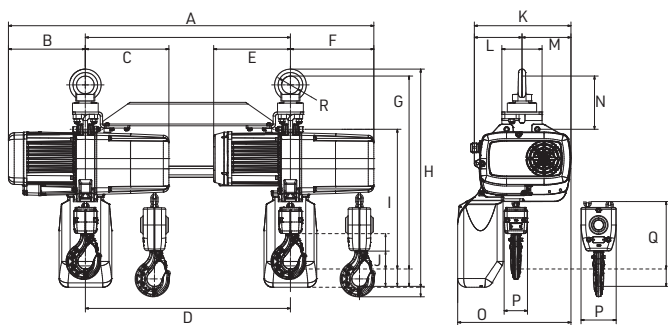


SYNCHRONISED LIFTING TECHNOLOGY WITH THE ELECTRIC CHAIN HOIST | PEHS

The synchronised hoist is particularly suitable for transporting long and bulky loads. The absolutely synchronous operation of the electric chain hoist and the levelling capability of the two hoists enable precise positioning of the load without it turning.

Features:

- Load capacities: PEHS 500: 2 × 630/2 × 1,250 kg, PEHS 1000: 2 × 1,250/2 × 2,500 kg
- With temperature monitoring
- Stepless control via frequency converter (FC) optionally available
- Hook height individually adjustable via geared limit switch
- Can be equipped with roller or electric trolley
- Protection class IP33



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	R mm
PEHS 500/1	1,227 - 5,527	286	238	700 - 5,000	203	241	496	560	365	104	272	142	130	131	299	49	185	Ø 40
PEHS 500/2	1,227 - 5,527	287	238	700 - 5,000	203	242	536	580	405	103	272	142	130	131	299	88	225	Ø 40
PEHS 1000/1	1,327 - 5,527	262	285	800 - 5,000	262	285	659	745	477	120	330	163	167	182	387	80	230	Ø 60
PEHS 1000/2	1,327 - 5,527	262	285	800 - 5,000	262	285	718	777	536	120	330	163	167	182	387	120	289	Ø 60

TYPE	Capacities in kg acc. ISO (FEM)*					Lifting speed m/min. 50 Hz	Chain size mm	Motor-power kW	3 × 400 V 50 Hz A	Weight with 3 m lift kg	Weight each meter add. lift kg
	A4 (M4)	A5 (M5)	A6 (M6)	A7 (M7)	A7 (M7)						
PEHS 500/1NF	2 × 630	2 × 500	2 × 400	2 × 320	2 × 250	8/2	5.25 × 15	2 × 0.72/0.18	2 × 2.8/1.7	50	0.69
PEHS 500/1SF	2 × 320	2 × 250	2 × 200	2 × 160	2 × 125	16/4	5.25 × 15	2 × 0.72/0.18	2 × 2.8/1.7	50	0.69
PEHS 500/2NF	2 × 1,250	2 × 1,000	2 × 800	-	-	4/1	5.25 × 15	2 × 0.72/0.18	2 × 2.8/1.7	54	1.38
PEHS 1000/1NF	2 × 1,250	2 × 1,000	2 × 800	2 × 630	2 × 500	8/2	7.45 × 23	2 × 2.3/0.68	2 × 5.7/4.1	132	1.37
PEHS 1000/1SF	2 × 630	2 × 500	2 × 400	-	-	16/4	7.45 × 23	2 × 2.3/0.68	2 × 5.7/4.1	132	1.37
PEHS 1000/2NF	2 × 2,500	2 × 2,000	2 × 1,600	2 × 1,250	2 × 1,000	4/1	7.45 × 23	2 × 2.3/0.68	2 × 5.7/4.1	141	2.74

* ISO (FEM) classification: Number of actuations on the control switch per hour: M4 (A4) = 180 actuations per hour, 30 % ED, M5 (A5) = 240 actuations per hour, 40 % ED, M6 (A6) = 300 actuations per hour, 50 % ED, M7 (A7) = 360 actuations per hour, 60 % ED



PEHK

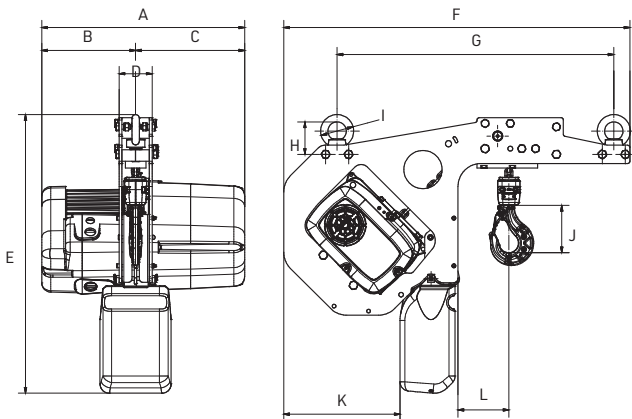


COMPACT DESIGN WITH THE ELECTRIC CHAIN HOIST | PEHK

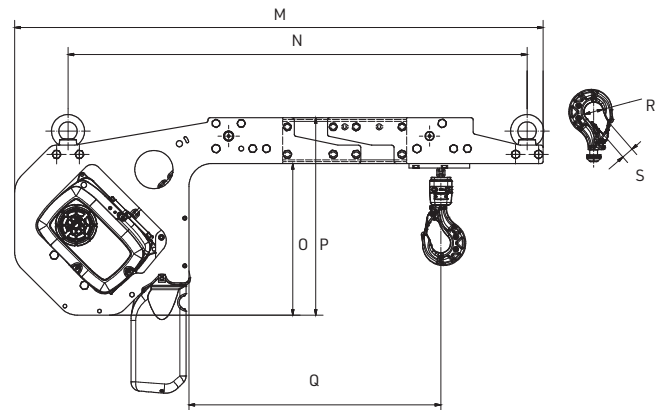
These electric chain hoists are designed for particularly low spaces. The chain is deflected upwards by a special guide to increase the lifting height.

- Load capacity: up to 2,000 kg
- Hook height individually adjustable via geared limit switch
- Infinitely variable control via frequency converter (FC) available (optional)
- Hook position can be extended as required
- Optionally with automatic chain oil dispenser
- Distance between load hook and lifting gear freely selectable thanks to extended design, e.g. for BIG-BAG transport
- Can be equipped with roller or electric trolley for I-beams
- Protection class IP55

Standard version



Extended version

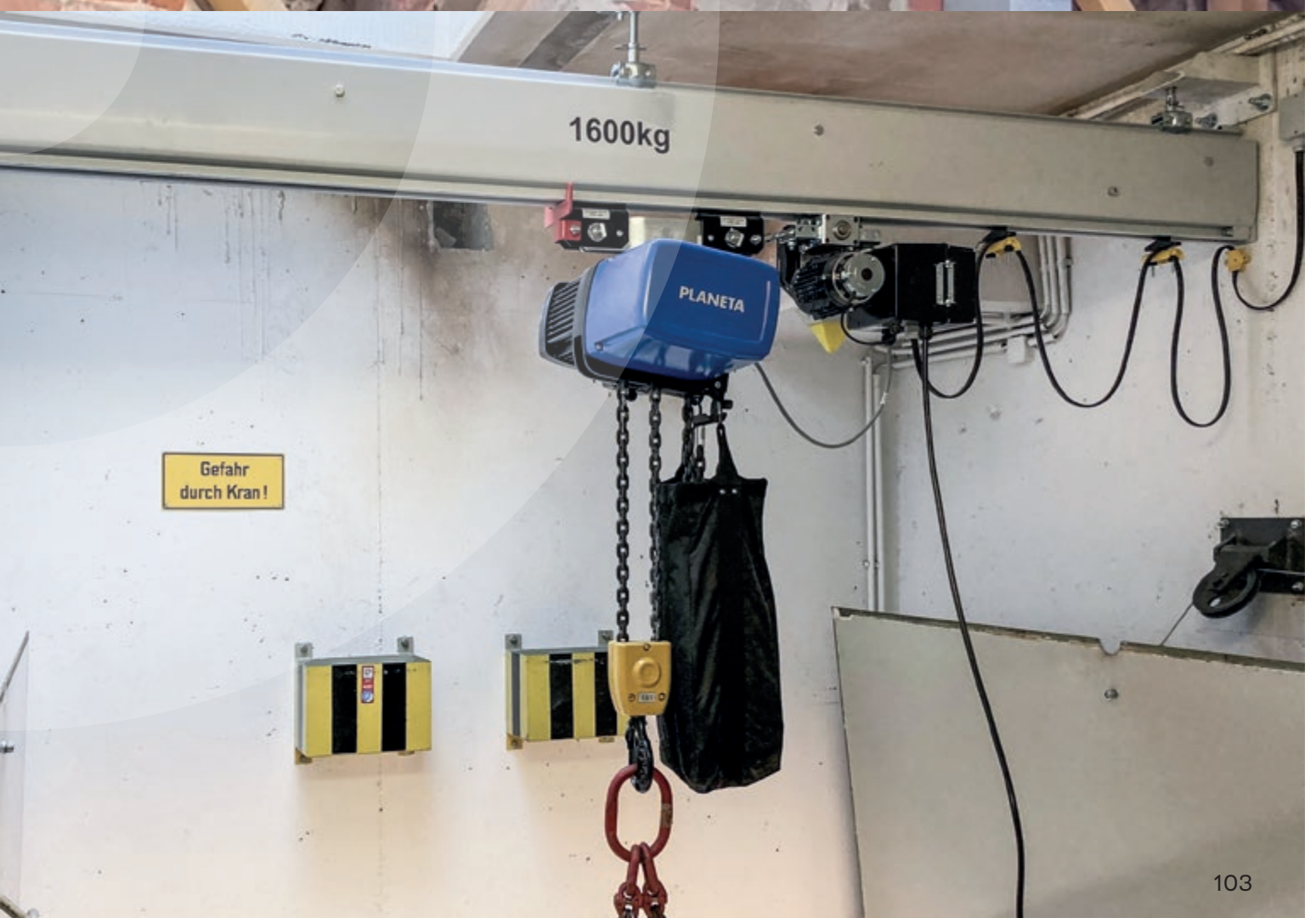


TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	R mm	S mm
PEHK 500/1	444	206	238	72	608	754	603	71	Ø 72	103	253	111	714	563	331	431	485 - 3,000	Ø 42	24
PEHK 500/2	444	206	238	72	608	754	603	71	Ø 72	103	253	135	714	563	331	431	505 - 3,000	Ø 42	24
PEHK 1000/1	548	263	285	96	829	1,110	833	90	Ø 50	120	385	202	972	696	491	631	718 - 3,000	Ø 51	33
PEHK 1000/2	548	263	285	96	829	1,110	833	90	Ø 50	120	385	238	972	695	491	631	754 - 3,000	Ø 51	33

TYPE	Capacities in kg acc. ISO (FEM)*				Lifting speed with load m/min. 50 Hz	Number of chain falls	Chain size mm	Motor power kW	3 x 400 V 50 Hz A	Weight with 3 m lift kg	Weight each meter add. lift kg
	A4 (M4)	A5 (M5)	A6 (M6)	A7 (M7)							
PEHK 500/1NF	500	400	320	250	8/2	1	5.25×15	0.72/0.18	2.8/1.7	45	0.69
PEHK 500/1SF	250	200	160	125	16/4	1	5.25×15	0.72/0.18	2.8/1.7	45	0.69
PEHK 500/1N	500	400	320	250	8	1	5.25×15	0.72	2.8	45	0.69
PEHK 500/2NF	1,000	800	630	500	8/2	2	5.25×15	0.72/0.18	2.8/1.7	47	1.38
PEHK 500/2N	1,000	800	630	500	8	2	5.25×15	0.72	2.8	47	1.38
PEHK 1000/1NF	1,000	800	630	500	8/2	1	7.45×23	2.3/0.68	5.7/4.1	100	1.37
PEHK 1000/1SF	500	400	-	-	16/4	1	7.45×23	2.3/0.68	5.7/4.1	100	1.37
PEHK 1000/1N	1,000	800	630	500	8	1	7.45×23	2.3	6.5	100	1.37
PEHK 1000/2NF	2,000	1,600	1,250	1,000	4/1	2	7.45×23	2.3/0.68	5.7/4.1	104	2.74
PEHK 1000/2N	2,000	1,600	1,250	1,000	4	2	7.45×23	2.3	6.5	104	2.74

* ISO (FEM) classification: Number of actuations on the control switch per hour: M4 (A4) = 180 actuations per hour, 30% ED, M5 (A5) = 240 actuations per hour, 40% ED, M6 (A6) = 300 actuations per hour, 50% ED, M7 (A7) = 360 actuations per hour, 60% ED





Gefahr
durch Kran!



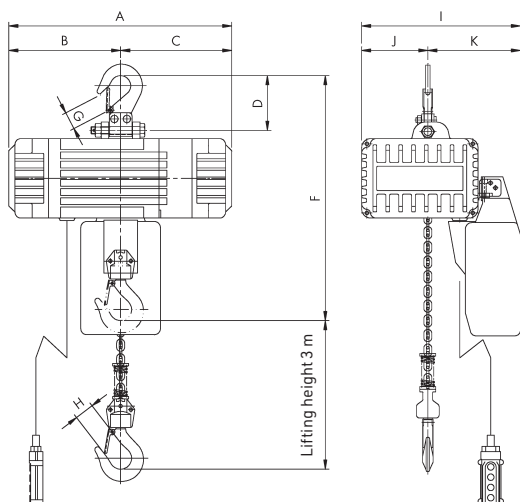


ELECTRIC CHAIN HOIST | MONTI

The new MONTI electric chain hoist is the ideal aid during assembly. Thanks to its light and compact construction, the chain hoist is easy to install and transport in the case supplied. It is ready for operation with a controller, chain and connection cable.

Features:

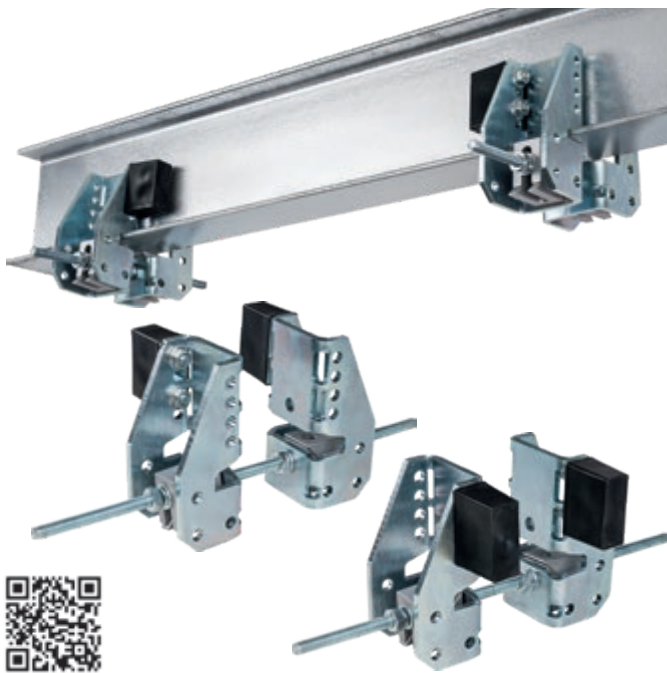
- 230 V / 1Ph / 50 Hz motor
- Soft start enables accurate placement
- 2 speeds: Main hoisting speed / precision hoisting speed infinitely adjustable
- Protection class IP54, insulation class F
- 24-Volt control voltage with EMERGENCY STOP
- FEM classification: M4 (1Am)
- Control cable length 2.5 m
- Connection cable with two-pin earthed plug 1.5 m
- Overload protection by slipping clutch
- Limit switch for top and bottom hook end position
- Includes chain box for 3 m standard lifting height and transport case



Chain box

Lift 1-fall (m)	Lift 2-fall (m)	Material	Dimensions (mm)	Order No..
0 - 6	0 - 3	Plastic	90 × 130 × 245	H20794
6 - 12	3 - 6	Plastic	120 × 160 × 230	H20795
12 - 18	6 - 9	Textile	131 × 166 × 260	H20796
18 - 24	9 - 12	Textile	131 × 166 × 310	H20797
24 - 30	12 - 15	Textile	131 × 166 × 390	H20798
30 - 36	15 - 18	Textile	131 × 166 × 470	H20799

TYPE	MONTI ...	240	480
Max. Load capacity	kg	240	480
Motor output	W	600	
Duty rating	% ED	30	
Operating voltage		230 V (5 A)	
Lifting speed	m/min.	0 - 3.4/12.8	0 - 1.6/6.3
Standard lifting height	m	3	
Number of chain falls		1	2
Load chain diameter	mm	4 x 12	
Net weight	kg	16.5	19.4
Packing (L x W x H)	mm	470 x 390 x 200	
A (Dimensions)	mm	364	364
B	mm	182	182
C	mm	182	182
D	mm	89	109
F	mm	400	497
G	mm	25	31
H	mm	25	30
I	mm	260	260
J	mm	108	84
K	mm	152	176
MONTI ... with 3 m lift	Order No..	H20780	H20781
Additional for more lift/m	Order No..	H20782	H20783
3 m Control cable extension package	Order No..	H20784	H20784
6 m Control cable extension package	Order No..	H20785	H20785
9 m Control cable extension package	Order No..	H20786	H20786



TROLLEY BUFFER

The ideal trolley limit stop, suitable for all types of manual trolley, reel chain trolley and electric trolley up to a maximum load bearing capacity of 10,000 kg! With just a few simple actions, it is clamped to the required end of the track on a parallel flange carrier section.

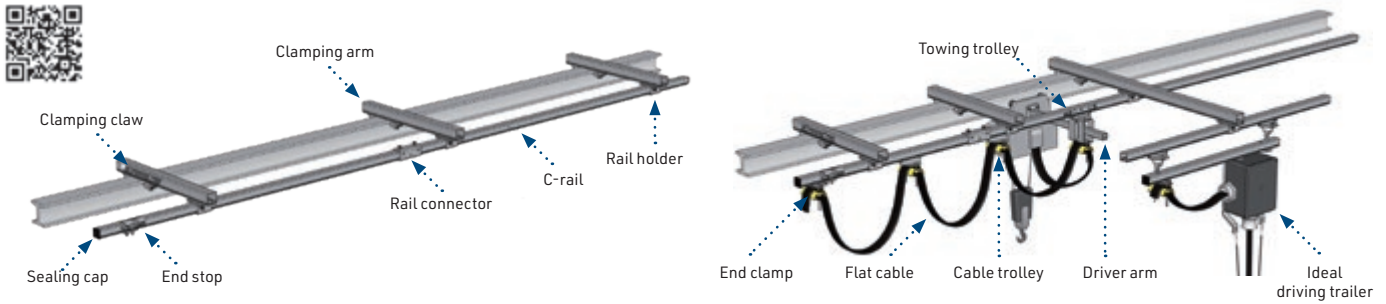
It fulfils various functions: Limiting the travel path to prevent a fall, fixing hoists in the desired position, preventing the trolley from rolling away unintentionally, absorbing impact energy and braking precisely.

TYPE	Beam widths (mm)	Order No.
P18-25*	100 - 160	H20400
P20-36*	150 - 300	H20401
P30-63*	300 - 550	H20402

* Set consisting of 2 pieces



Accessories for cranes and electric chain hoists	Order No.
a) Chain oil for electric chain hoist chains: Special adhesive lubricant for the maintenance of highly stressed, fast-running drive and timing chains, plain bearings, open gears, etc., silicone-free, viscoplastic, centrifugally resistant, compatible with O-rings. Areas of application: All types of chains, roller and ball bearings, gear and worm gears, joints, couplings, precision machine parts, etc. Contents: 100 ml	H20567
b) Chain and rope spray: This chain spray increases the service life of the load-bearing equipment and also results in an increase in safety. Advantages: Resistant to corrosive acids, alkalis, salt water and steam, Dissolves and prevents the formation of corrosion and rust, Ensures the internal lubrication of chains thanks to its high penetration capacity, Cleans and lubricates excellently, Reduces friction and therefore wear. Contents: 400 ml spray can	H20565
c) Information sign: „Hand signals for the banksman“ All important hand signals for crane operation, for communication between crane driver and ground staff Cellophane-wrapped cardboard box	H20570
d) Information sign: „Never stand underneath suspended loads!“ Cellophane-wrapped cardboard box	H20571
e) Information sign: „Warning of suspended load“ Cellophane-wrapped cardboard box	H20572
f) Information sign: „Operating specifications for cranes“ Trade association notice in acc. with sections 29-43 of the German accident prevention regulation specification for cranes, „Krane“, DGUV specification 54 (D 6). Cellophane-wrapped cardboard box	H20574
g) Information sign: „KG load-bearing panel“ Cellophane-wrapped cardboard box	H20573
h) Information sign: „Mains power isolator switch for crane“ Cellophane-wrapped cardboard box	H20575



POWER SUPPLY THROUGH | TRAILING CABLE S1

The C-rail, which runs parallel to the travelling girder, is an elegant way of conducting power to the hoist and trolley. A rail that is open at the bottom and looks like a C in cross-section is suspended from tensioning arms. Four-roller trolleys run in it, carrying a round or flat cable. As standard, we have provided a trolley every two metres so that the cable hangs down 1 metre when retracted.

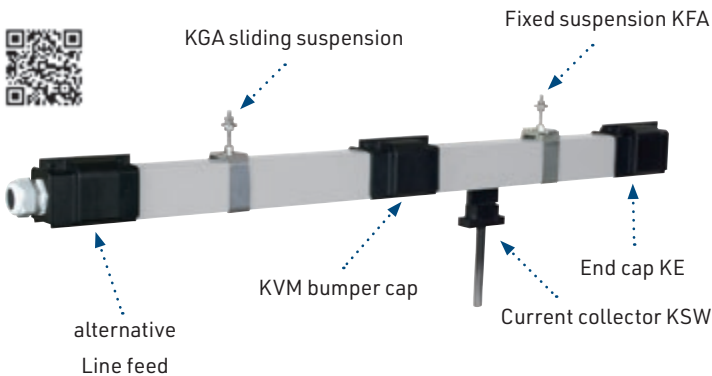
Scope of delivery (for 2 m):

- C-rail 30 x 32 mm made of galvanised steel
- Clamping arms, made of steel (every 2 m)
- Rail holder
- Clamping claws made of steel
- Extension arm
- Carrier trolley, carrier
- End stop
- Cable trolley, depending on cable

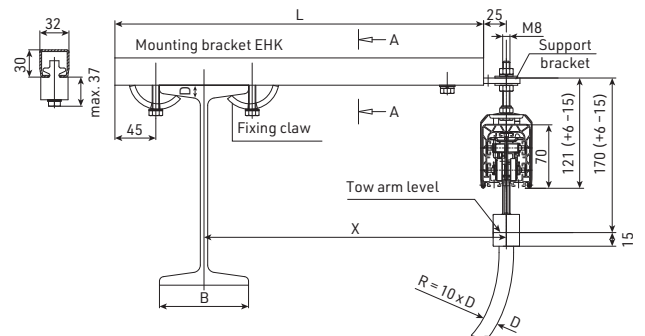
- End clamp
- Round or flat cable with allowance for mounting up to terminal box
- Transition terminal box

The two extension metres contain the length-dependent parts.

Power supply with C-rail complete	Order No..
Basic version 2 m track length	H20580
Extension per metre	H20581
Mains disconnecter up to 25 Amp.	H20582



Position of the clamping claw for D = 6 - 15 mm



POWER SUPPLY THROUGH | CONDUCTOR RAIL KBH

The KBH plastic conductor rail is a contact-protected safety conductor rail for trolley and longitudinal travel of cranes, monorail systems and electric hoists. It is an easy-to-install, pre-assembled connection technology with compact dimensions and high rigidity combined with low weight. This enables problem-free fastening to ceilings and steel structures.

The main power cable is integrated into the current collector trolley to prevent damage.

Scope of delivery:

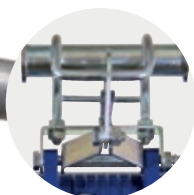
The scope of delivery for 8 m KBH (current 40 A) includes:

- 2 conductor rail straight sections with 4 suspensions
- 1 end feed

- 1 current collector trolley with 2 m cable, 40 A
- 1 MGF driver
- 1 end cap
- 4 screw brackets EHK 600

Power supply through Plastic conductor rail	Order No..
Basic version KBH in 8 m length including screw bracket EHK 600	H20583
KBH extension per metre	H20584
Carrier MGF	H20585

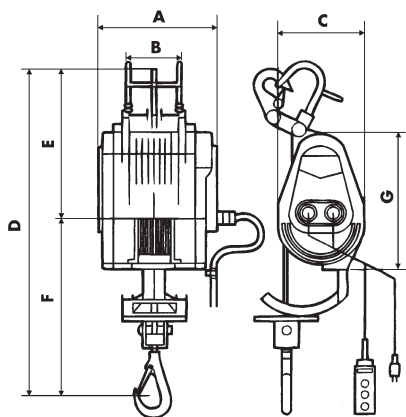
Electric rope hoist



The device is equipped with a safety hook as standard.



BW-230



ELECTRIC ROPE HOIST | **BW**

This small winch is mostly used for house repair, changing of windows, lifting cement sacks into the upper floor - just a quick installed tool for many applications in which the worker wants to carry loads up to higher floors or levels. They are not allowed to be used for moving of persons. The BW-rope hoist comes ready for use.

Features:

- Automatic upper limit switch
- With 5 m power lead and industry plug for your country
- Sensor arm automatically stops motor if the wire rope is completely unwound
- With 10 m pendant control
- 360° weight hook with safety latch
- Motor rating IP44
- IP65 control unit, water-protected, with EMERGENCY STOP

Options:

- Swivel jib arm, 180°
- 10 m control cable extension



Option: Combinable with LST-trolley

TYPE	BW ...	80	160	230	300
Capacity in all rope layers	kg	80	160	230	300
Rope lifting speed* 1st rope layer	m/min	18	15	9	9
Rope lifting speed * top layer	m/min	30	22	14	13
Motor data	230 V	0.8 kW/4 A/25% ED	1.2 kW/6 A/25% ED	1.3 kW/6.5 A/25% ED	1.5 kW/7.5A/25% ED
Lifting height (rope length)	m	23	30	24	24
Rope diameter	mm	4	5	5	5
A (Dimensions)	mm	200	244	244	244
B	mm	104	115	115	115
C	mm	168	182	182	182
D	mm	605	640	640	640
E	mm	266	280	280	280
F	mm	339	360	360	360
G	mm	270	285	285	285
Weight of complete hoist	kg	18	23	24	25
Rope hoist BW	Order No..	H20619	H20621	H20620	H20622
Control cable extension including plugs	Order No..	H20603	H20603	H20603	H20603

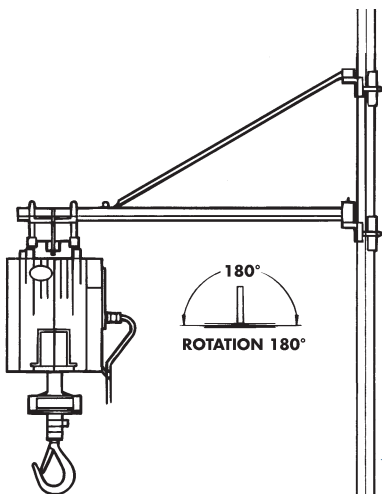
* Rope lifting speed at full load



SA-230



SA-250-600



Drawing without adapter

← Safe pillar is customer's responsibility

SWIVEL JIB ARM | SA

Attach the swivel arm with two clamps (Ø 40 - 55 mm) at a vertical strong and safely fixed pipe!

Hang hoist in - READY!

TYPE	SA-...	230	250	600
Max. capacity	kg	230	250	600
Max. length of jib	mm	1,000	1,100	750
Swivel jib arm	Order No..	H20602	H20607	H20608
Adapter for electric rope hoist	Order No..	-	H20630	H20631



Adapter for electric rope hoist

MANUAL HOISTS UP TO 50 TONNES. ELECTRIC HOISTS UP TO 37 TONNES.



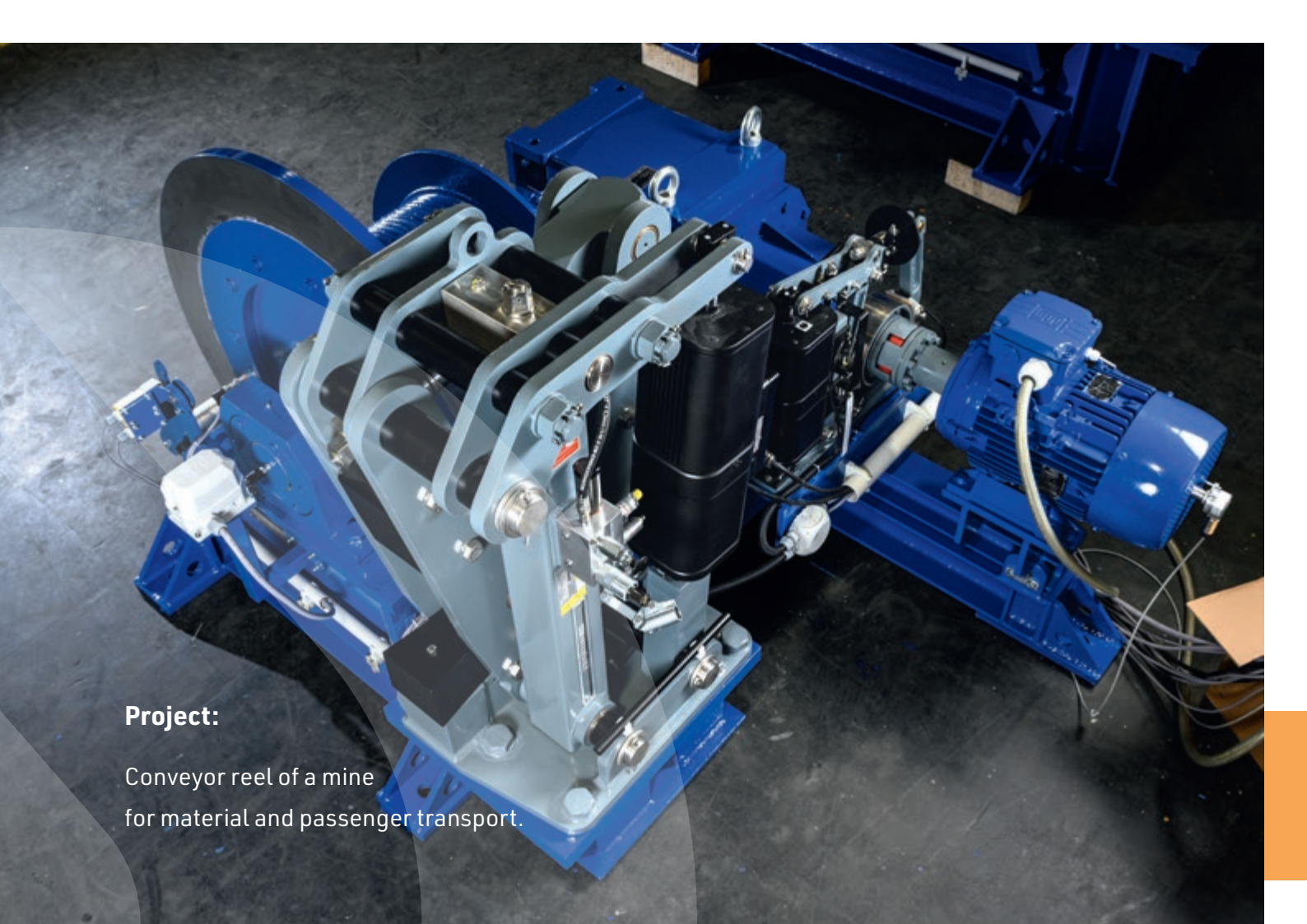
Project:

Electric chain hoist as part of the lifting beam of rotor blades for alignment during assembly on wind turbines.



Project:

Electric wire rope hoist for use within a nuclear power plant.



Project:

Conveyor reel of a mine
for material and passenger transport.

WHAT'S YOUR CHALLENGE? PLANETA HEAVY LIFTING.

For harsh environments, we offer specialised products that are designed and built to withstand the stresses to which they are exposed: Salt, chemicals, dust, heat, cold, humidity. We ensure that our solution remains safe and fully functional and fulfils the expected service life. This may involve the use of special materials such as duplex steel or stainless steel or additional surface protection through coating or chemical processes. Basically, we have a solution for all requirements.

Severe environmental conditions may also mean that we need to protect the working area for the use of the hoist. hoist must be protected. For example, the food industry, the pharmaceutical industry, LCD panels or the semiconductor industry require special measures to prevent contamination of the products. avoid contamination of the products.

Enquiry help electric hoists

1. For what work is the hoist used?

2. Hoist type:

Electric chain hoist Electric rope hoist

3. How often the nominal load is lifted?

_____ per day _____ per hour

4. How often is the partial load lifted?

_____ per day

5. How many load cycles per day?

6. Distance travelled per lifting cycle:

_____ m

7. Speed:

a) Desired main lifting speed

_____ m/min

b) 1 Speed

c) 2 Speeds

8. Overall height for electric hoist (short design required?):

_____ mm

9. Total weight of the load to be lifted incl. load handling attachment:

_____ kg

10. Lifting height (standard 3 m):

_____ m

11. Fastening height / trolley height (floor to lower edge of support):

_____ m

12. Operating height (distance from floor or operating platform to lower edge of beam):

_____ m

13. Length of the control cable:

_____ m

Operating voltage

_____ V with _____ Hz

Control voltage

_____ V

Direct control Contactor control Remote control

14. Operating environment / special features:

Dust Extreme temperatures (above _____ °C, below _____ °C) EX-protection required Splash water

Rainwater Air humidity Outdoor use Hook suspension Eyelet suspension

15. Trolley:

yes no

Manual drive

Reel drive

Electric drive

1 speed

2 speeds

16. Beam size:

a) Flange width

_____ mm

b) Trolley track length

_____ m

c) Min. curve radius

_____ m

17. Power supply required:

18. Trolley track buffer for carriageway boundary:

19. Information sign set according to DGUV:

20. Installation by PLANETA specialist fitter required:

21. Crane acceptance by our expert requested:

22. Offer for maintenance contract:

Company

Clerk

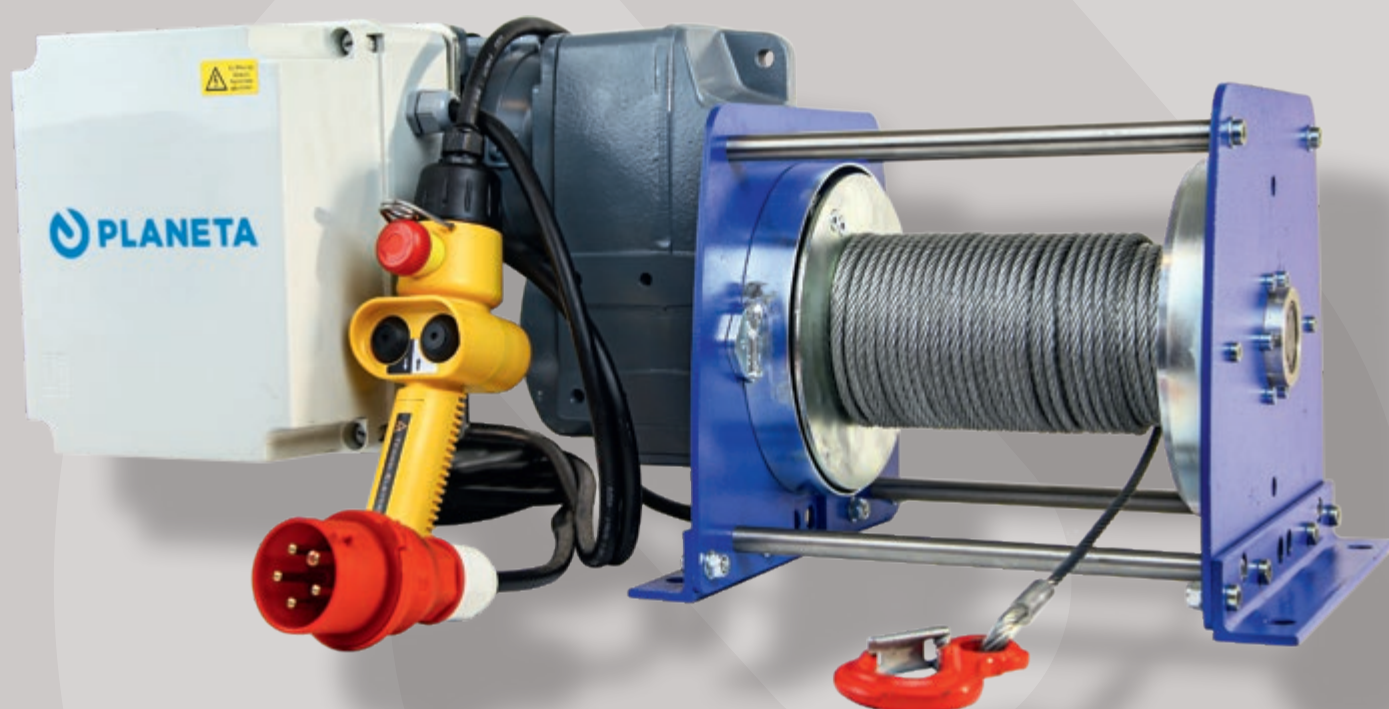
Address

Telephone

E-mail address

Company stamp / Signature

ROPE WINCHES



Electric rope winch PFW-C	p. 114
Electric rope winch PFW	p. 116
Compact electric rope winch PORTY-II	p. 120
Rope pulley block ULRB	p. 121
Rope winch accessories	p. 122
PLANETA Control engineering	p. 124
Enquiry form for rope winches	p. 125
Manual rope winch	p. 126



Available at
short notice

ELECTRIC ROPE WINCH | PFW-C

With four load capacities of 250, 500, 1,000 and 2,000 kg, this electric rope winch is one of the most modern devices for pulling, lifting and moving loads. It is approved as a lifting and pulling winch for material transport in accordance with DGUV regulation 54 (D8). Its extensive basic equipment makes it suitable for almost any application. The high duty cycle enables almost uninterrupted use under the toughest conditions.

Standard equipment:

- Disk brake and spur gear motor
- Grooved drum
- Safety contactor control with low control voltages
- Electric overload protection (over 1,000 kg load capacity)
- Pendant remote control with 3 m cable
- Power supply cable with 3 m cable
- Documentation in German or English
- Test certificate and EC installation declaration

Technical data:

- Operating voltage 3 Phases / 400 Volt / 50 Hz or 1 Phases / 230 Volt / 50 Hz (alternating current)
- Duty cycle 60% (reference cycle 10 min.)
- Up to 150 starts per hour
- Protection class: IP 55 (jet-water from all sides)
- FEM classification: M3 (1Bm) (e.g. 10 years one hour daily with medium loads)

Winch control system

The contactor control with a control voltage of 24 VAC combines a lot of safety devices in a compact housing. The use of an extra-low contactor voltage provides protection against dangerous contact voltage in the event of a fault (e.g. damage to the control cable to the control cylinder). Mains monitoring prevents unsafe conditions in the unsafe conditions in the event of a power supply fault.

Optional equipment:

- Lifting- or pulling rope with security hook
- Operational limit switch
- Protective drum cover
- Drum pressure roller
- CE-Label by full equipment

info

Made in Germany.

The PFW range combines a modern design, innovative technology and superlative components, which are produced exclusively in Germany. Prior to shipping, each winch is tested dynamically with 125% of the nominal load and leaves our factory with a 24 month guarantee.

Basic design

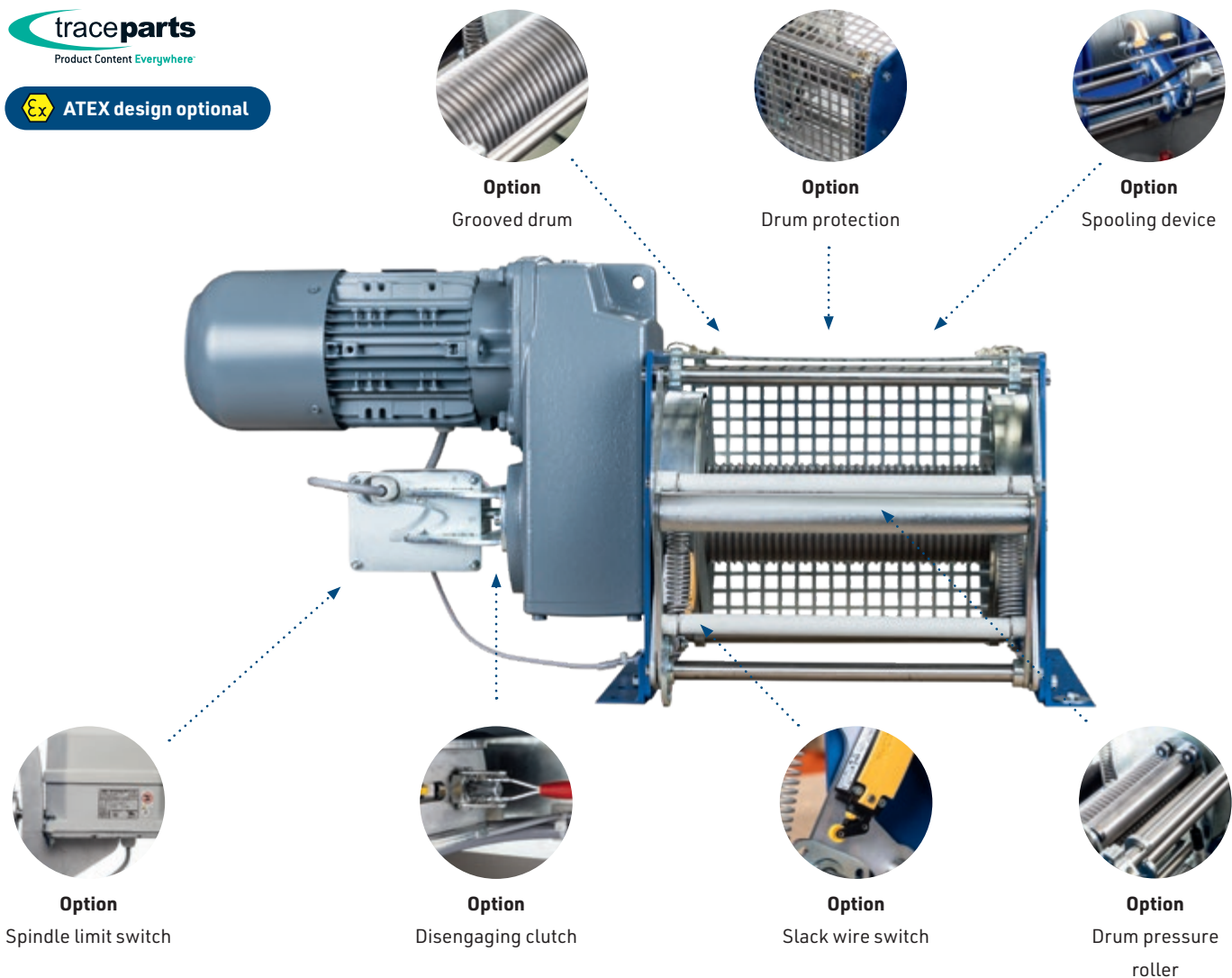
TYPE	PFW-C ...	250	500	990	2000
Lifting capacity in 1st rope layer to max. hoisting-/pulling distance	kg/m	250/7	500/7	990/6	2.000/5
Lifting capacity in 2nd rope layer to max. hoisting-/pulling distance	kg/m	220/16	440/16	865/16	1,750/14
Lifting capacity in 3rd rope layer to max. hoisting-/pulling distance	kg/m	195/27	390/27	770/26	1,550/24
Lifting capacity in 4th rope layer to max. hoisting-/pulling distance	kg/m	175/38	350/39	695/39	1,400/35
Lifting capacity in 5th rope layer to max. hoisting-/pulling distance	kg/m	160/51	320/52	630/51	1,270/48
Lifting capacity in 6th rope layer to max. hoisting-/pulling distance	kg/m	145/65	295/65	580/65	1,165/61
Lifting capacity in 7th rope layer to max. hoisting-/pulling distance	kg/m	135/81	270/81	535/80	1,075/75
Rope diameter	mm	5	6	8	12
Required rope length remaining on drum	m	1.0	1.2	1.6	2.4
Rope speed 1st rope layer	approx. m/min	8	8	8	8 (4)*
Rope speed 2nd rope layer	approx. m/min	9	9	9	9 (4)*
Rope speed 3rd rope layer	approx. m/min	10	10	10	10 (5)*
Rope speed 4th rope layer	approx. m/min	11	11	11	11 (5)*
Rope speed 5th rope layer	approx. m/min	12	12	12	12 (6)*
Rope speed 6th rope layer	approx. m/min	13	13	13	13 (6)*
Rope speed 7th rope layer	approx. m/min	14	14	14	14 (7)*
Motor power	kW	0.37	0.75	1.5	2.6 (1,5)*
PFW-C with 400 V	Order No.	H62100	H62110	H62130	H62150
PFW-C with 230 V (*)	Order No.	H62109	H62119	H62139	H62159

OPTIONS					
Protective drum cover	Order No.	H62840	H62841	H62843	H62845
Operational limit switch	Order No.	H62861	H62861	H62862	H62863
Drum pressure roller	Order No.	H62850	H62851	H62853	H62855
Pulling rope not rotation-resistant with eye hook 8 m**	Order No.	C62101	C62111	C62131	C62151
Additional pulling rope per m	Order No.	C05619	C06619	C08619	C12636
Hoisting rope rotation resistant with swivel hook 8 m**	Order No.	C62102	C62112	C62132	C62152
Additional hoisting rope per m	Order No.	C05177	C06177	C08177	C12177

Dimensions and weights of the standard designs (Special equipment may vary).

TYPE	PFW-C ...	250	500	990	2000
L1	mm	740	770	860	1,000 (1,050)*
L2	mm	360	360	400	470
B1	mm	270	320	400	550
B2	mm	380	420	470	550
H	mm	315	355	460	620
LTR	mm	200	200	200	200
DTR	mm	65	80	105	155
DFL	mm	155	190	250	370
LB	mm	330	330	360	420
BB1	mm	220	250	350	500
BB2	mm	-	-	220	320
DB	mm	11	12	12	16
Weight without accessories	approx. kg	40	65	110	240 (250)*

** Rope supplied loose as a coil



ELECTRIC ROPE WINCH | PFW

With a load bearing capacity from 250 to 3,000 kg this electrical cable winch with its modular construction principle is one of the most modern devices for pulling, lifting and moving loads. With its extensive range of configuration and finishing options it can be adapted to suit almost any installation situation.



The PFW range combines a modern design, innovative technology and superlative components, which are produced exclusively in Germany. Prior to shipping, each winch is tested

dynamically with 125% of the nominal load and leaves our factory with a 24 month guarantee.

Drive

In standard form the spur gear transmission is equipped with a 3-phase braked motor. The standard operating voltage is 3 Ph / 400 V / 50 Hz.

The duty cycle is around 60% thus enabling operation to continue almost without a break in the most difficult of conditions. For unprotected use outdoors the braked motor fulfils protection class IP55.

Base frame

Torsion-resistant yet flexible, it adapts to almost any surface. We install side guards as standard, which effectively prevent the cable from jumping off. It can be extended if the cable winch is to be attached to a concrete foundation.

End position switch-off

The spindle limit switch can be mounted on both sides depending on the size and can be extended by a further 4 contacts, external versions or a test button for checking the emergency limit positions. The limit switch can also be retrofitted and is customised to the cable path of the winch.



Drum guard

The cover prevents unintentional reaching into the rotating rope drum and can prevent injuries. Optionally, the covers can only be removed with tools.

Slack rope switch

The lowering movement of the cable winch stops automatically as soon as the load settles on the ground or a guided load becomes jammed during lowering and stops. This prevents accidents caused by falling loads.

Disengaging clutch

The rope drum can only be manually disengaged from the drive and brake for pulling applications where the load is travelling on a horizontal track and does not need to be held by the winch. The rope can then be pulled off by hand.

Rope drum

With a smooth drum as standard, we can add a grooved drum, extended versions, double drum diameter or double rope outlet on request. rope outlet. Versions in stainless steel, up to 8 rope outlets or for the use of synthetic ropes optional.

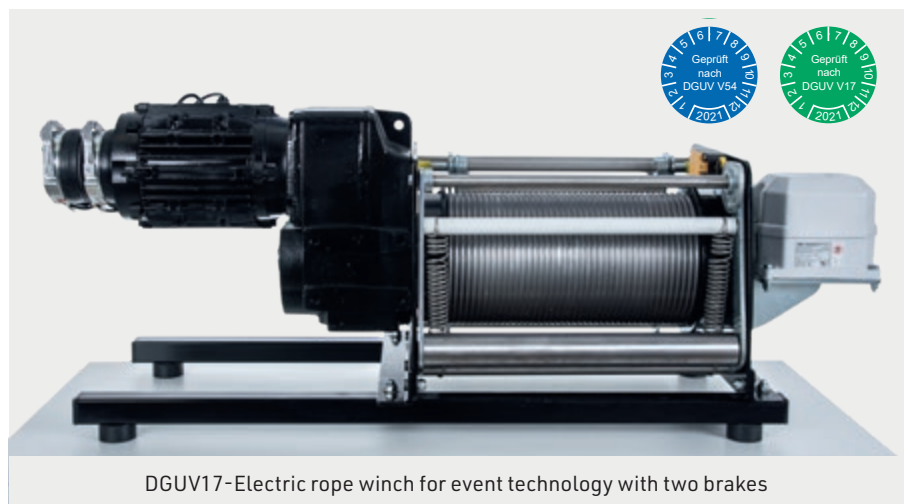
Organised rope winding

It is important to ensure that a fixed deflection is installed at a suitable distance from the centre of the rope

If the rope is still unloaded, the rope pressure roller helps to prevent the rope from moving and loosening on the drum by itself. Wire ropes must be cleaned and lubricated regularly.

Further versions

Move your winch in an emergency even without a power supply, either just the lowering movement using the hand brake release or lifting and lowering with our self-braking emergency hand crank. Protect your winch from various environmental conditions, e.g. outdoor installation, contact with sea water or air, potentially explosive environments, increased safety if the load is above people or even moving.



DGUV17-Electric rope winch for event technology with two brakes

drum, over which the rope runs first. In addition, at least 10 % of the specified nominal load must always be applied to the rope as a minimum load to ensure good winding. A grooved drum helps to improve the winding and also ensures smoother running and a shorter distance to the first deflection. Optional spooling devices can reduce this distance even further.



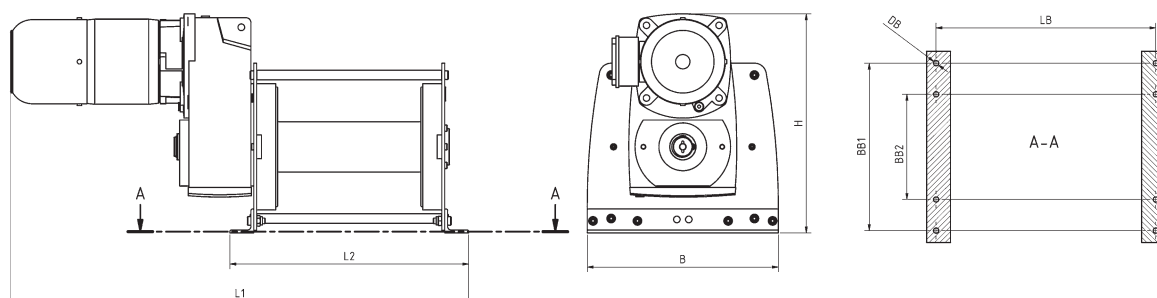
Electric rope winch

Basic design

TYPE	PFW-1D	250	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	250	500	750	1,000	1,500	2,000	3,000
Lifting capacity in 5th rope layer	kg	160	320	480	640	950	1,270	1,920
Rope diameter	mm	5	6	7	8	10	12	14
Rope length in 1st rope layer	m	11	11	11	10	10	9	9
Rope length in 5th rope layer	m	75	75	75	75	75	75	75
Expansion every 100 mm extended drum 1st/5th layer	approx. m	4/25	4/25	4/25	4/25	4/25	4/25	4/25
Rope speed 1st rope layer	approx. m/min	8	8	8	8	8	8	8
Rope speed 5th rope layer	approx. m/min	12	12	12	12	12	12	12
Motor power	kW	0.37	0.75	1.1	1.5	2.1	2.6	4
PFW-1D with standard speed	Order No.	H62101	H62111	H62121	H62131	H62141	H62151	H62161
Rope speed 1st rope layer	approx. m/min	4	4	4	4	4	4	4
Rope speed 5th rope layer	approx. m/min	6	6	6	6	6	6	6
Motor power	kW	0.18	0.37	0.55	0.75	1.1	1.5	2.2
PFW-1D with half speed	Order No.	H62104	H62114	H62124	H62134	H62144	H62154	H62164
Rope speed 1st rope layer	approx. m/min	12	12	12	12	12	12	12
Rope speed 5th rope layer	approx. m/min	19	19	19	19	19	19	19
Motor power	kW	0.55	1.1	1.5	2.1	3.2	4	5.5
PFW-1D with fast speed	Order No.	H62103	H62113	H62123	H62133	H62143	H62153	H62163
OPTIONS								
Grooved drum	Order No.	H62800	H62801	H62802	H62803	H62804	H62805	H62806
Longer drum each 100 mm	Order No.	H62810	H62810	H62811	H62811	H62812	H62812	H62813
Second rope outflow	Order No.	H62820	H62821	H62822	H62823	H62824	H62825	H62826
Manual free-wheeling coupling	Order No.	-	H62831	H62832	H62833	H62834	H62835	H62836
Protective drum cover	Order No.	H62840	H62841	H62842	H62843	H62844	H62845	H62846
Drum pressure roller	Order No.	H62850	H62851	H62852	H62853	H62854	H62855	H62856
Emergency limit switch	Order No.	H62861	H62861	H62861	H62862	H62862	H62863	H62863
Operational limit switch	Order No.	H62865	H62865	H62865	H62865	H62865	H62865	H62865
Emergency limit switch with incremental sensor	Order No.	H62866	H62866	H62866	H62866	H62866	H62866	H62866
Slack wire switch	Order No.	H62870	H62871	H62872	H62873	H62874	H62875	H62876
Manual brake release	Order No.	H62881	H62881	H62881	H62882	H62882	H62882	H62883
Manual brake release with crank	Order No.	H62884	H62884	H62884	H62885	H62885	H62885	H62886
Protective paint per ISO12944 C4 (high)	Order No.	H62891	H62891	H62892	H62892	H62893	H62893	H62894
Protective paint per ISO12944 C5 (very high / marine)	Order No.	H62895	H62895	H62896	H62896	H62897	H62897	H62898

Dimensions and weights of the standard design (special equipment may vary)

TYPE	PFW-1D	250	500	750	1000	1500	2000	3000
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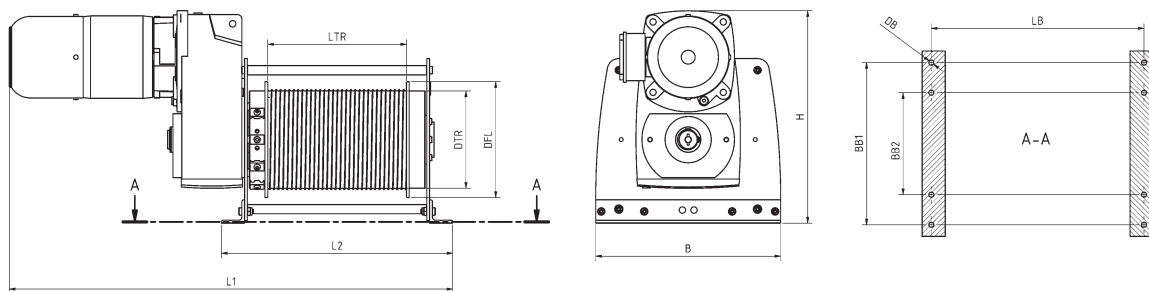
L1	mm	900	910	910	1,020	1,060	1,200	1,300
L2	mm	460	460	460	500	500	570	570
B	mm	270	320	360	400	460	550	620
H	mm	325	360	420	460	550	630	690
LTR	mm	300	300	300	300	300	300	300
DTR	mm	65	80	92	105	130	155	185
DFL	mm	155	190	220	250	310	370	430
LB	mm	430	430	430	460	460	520	520
BB1	mm	220	250	310	350	410	500	560
BB2	mm	-	-	-	220	280	320	380
DB	mm	13.5	13.5	13.5	13.5	13.5	17.5	17.5
Weight without accessories	approx. kg	35	60	75	110	155	240	380

Double diameter drum, stage & studios

TYPE	PFW-2D	250	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	125	250	375	500	750	1,000	1,500
Rope diameter	mm	5	6	7	8	10	12	14
Rope length in 1st rope layer	m	20	20	20	20	19	18	17
Expansion every 100 mm extended drum 1st layer	approx. m	7	7	7	7	7	7	7
Rope speed 1st rope layer	approx. m/min	15	15	15	15	15	15	15
Motor power	kW	0.37	0.75	1.1	1.5	2.1	2.6	4
PFW-2D with standard speed	Order No.	H62201	H62211	H62221	H62231	H62241	H62251	H62261
Rope speed 1st rope layer	approx. m/min	7	7	8	9	8	7	7
Motor power	kW	0.18	0.37	0.55	0.75	1.1	1.5	2.2
PFW-2D with half speed	Order No.	H62204	H62214	H62224	H62234	H62244	H62254	H62264
Rope speed 1st rope layer	approx. m/min	22	22	22	22	22	22	22
Motor power	kW	0.55	1.1	1.5	2.1	3.2	4	5.5
PFW-2D with fast speed	Order No.	H62203	H62213	H62223	H62233	H62243	H62253	H62263
TYPE	PFW stages and studios	250	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	100	200	300	400	630	900	1,200
Rope diameter	mm	5	6	7	8	10	12	14
Rope length in 1st rope layer	m	19	19	19	19	18	17	16
Expansion every 100 mm extended drum 1st layer	approx. m	7	7	7	7	7	7	7
Rope speed 1st rope layer	approx. m/min	15	15	15	15	15	15	15
Motor power	kW	1.1	1.1	1.1	1.1	2.2	2.2	3.0
	Order No.	H62301	H62311	H62321	H62331	H62341	H62351	H62361
OPTIONS								
Grooved drum	Order No.	incl.	incl.	incl.	incl.	incl.	incl.	incl.
Longer drum	Order No.	H62814	H62814	H62815	H62815	H62816	H62816	H62817
Second rope outflow	Order No.	H62820	H62821	H62822	H62823	H62824	H62825	H62826
Manual free-wheeling coupling (not for stages and studios)	Order No.	-	H62831	H62832	H62833	H62834	H62835	H62836
Protective drum cover	Order No.	H62840	H62841	H62842	H62843	H62844	H62845	H62846
Drum pressure roller	Order No.	H62850	H62851	H62852	H62853	H62854	H62855	H62856
Emergency limit switch	Order No.	H62861	H62861	H62861	H62862	H62862	H62863	H62863
Operational limit switch	Order No.	H62865	H62865	H62865	H62865	H62865	H62865	H62865
Emergency limit switch with incremental sensor	Order No.	H62866	H62866	H62866	H62866	H62866	H62866	H62866
Slack wire switch	Order No.	H62870	H62871	H62872	H62873	H62874	H62875	H62876
Manual brake release	Order No.	H62881	H62881	H62881	H62882	H62882	H62882	H62883
Manual brake release with crank	Order No.	H62884	H62884	H62884	H62885	H62885	H62885	H62886
Protective paint per ISO12944 C4 (high)	Order No.	H62891	H62891	H62892	H62892	H62893	H62893	H62894
Protective paint per ISO12944 C5 (high)	Order No.	H62895	H62895	H62896	H62896	H62897	H62897	H62898

Dimensions and weights

TYPE	PFW-2D	250	500	750	1000	1500	2000	3000
------	--------	-----	-----	-----	------	------	------	------



L1	mm	880	920	920	1,040	1,080	1,200	1,200
L2	mm	460	460	460	500	500	570	570
B	mm	270	320	360	400	460	550	620
H	mm	315	360	420	460	550	630	660
LTR	mm	300	300	300	300	300	300	300
DTR	mm	130	160	185	210	260	310	350
DFL	mm	155	190	220	250	310	370	430
LB	mm	430	430	430	460	460	520	520
BB1	mm	220	250	310	350	410	500	560
BB2	mm	-	-	200	220	280	320	380
DB	mm	13.5	13.5	13.5	13.5	13.5	17.5	17.5
Weight without accessories	approx. kg	40	65	85	120	170	280	425

Compact electric rope winch



COMPACT ELECTRIC ROPE WINCH | PORTY-II

Electric rope winch as a hoist winch for material transport

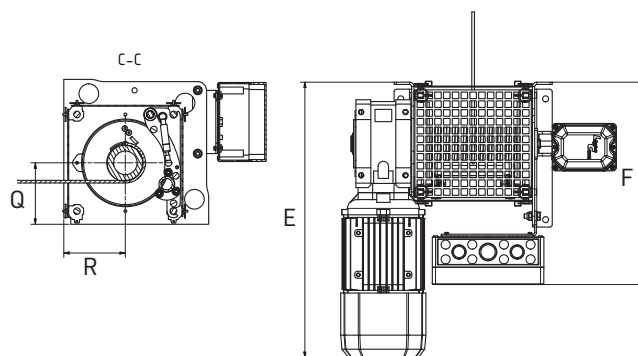
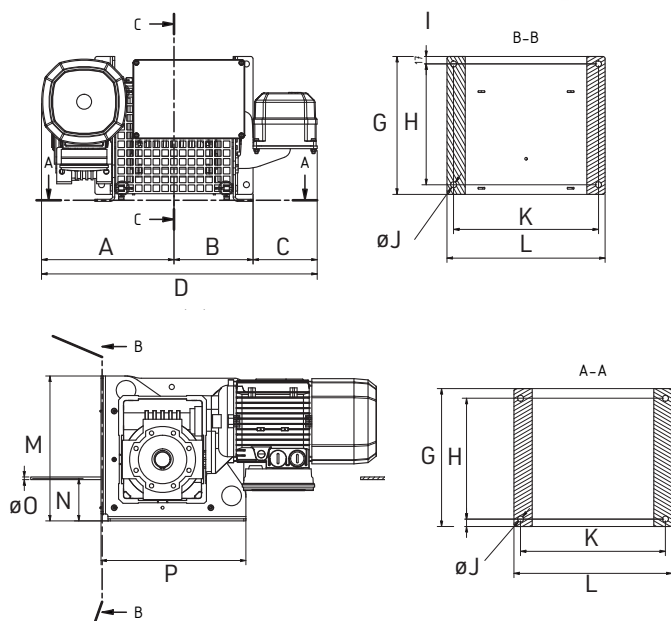


Standard features:

- Incl. contactor control 3ph / 400V / 50Hz
- Incl. 40 m rope with thimble and eye load hook, ready mounted on winch
- Grooved drum
- Up to 80 m rope length in 7 layers
- Incl. control switch (2-button and emergency stop) on 3 m control cable
- Ambient temperature -10 to +40 °C
- Standard mechanism group acc.FEM 1,001: T4-L1 - M3(1Bm)
- Protection class IP54 (control button IP65)
- Frame components galvanized
- Incl. CEE plug on 3 m power supply cable
- 2 years warranty

Options:

- Protective drum cover
- Operational limit switch
- Drum pressure roller



TYPE	PORTY-II	500
Lifting capacity 1st/2nd/3rd/4th/5th/6th/7th rope layer	kg	710/625/555/500/455/420/385
Rope length 1st/2nd/3rd/4th/5th/6th/7th rope layer	m	7/16/27/38/51/65/80
Rope speed 1st/2nd/3rd/4th/5th/6th/7th rope layer	approx. m/min	8/9/10/12/13/14/15
Rope diameter	mm	6
Motor power	kW	1.5
Dimensions (A)	mm	302
B	mm	180
C	mm	146
D	mm	628
E	m	627
F	mm	461
G	mm	314
H	mm	275

TYPE	PORTY-II	500
I	mm	17
J	mm	Ø 13.5
K	mm	330
L	mm	360
M	mm	330
N	mm	97
O	mm	Ø6
P	mm	330
Q	mm	140
R	mm	140
DTR drum diameter	mm	80
Weight	kg	68

Order No. H64110



ROPE PULLEY BLOCK | ULRB



PLANETA deflection pulley blocks are designed for demanding wire rope deflections in electrically operated systems and manually operated applications and can withstand the respective full load in any desired deflection direction regardless of their mounting position.

The housings are made of bent sheet steel or welded sheet steel for higher load capacities. The rope pulleys with turned precision grooves in accordance with DIN 15061 and design for drive unit group 1Bm/M3 in accordance with DIN 15020 minimise possible wear on the rope and rope pulley.

The 2RS ball bearings pressed into the rope pulley ensure maintenance-free and quiet running, while the axle holder anti-jump plates secure the bolt and prevent the rope from jumping off the rope pulley. They can also be quickly adjusted by hand to the desired deflection direction.



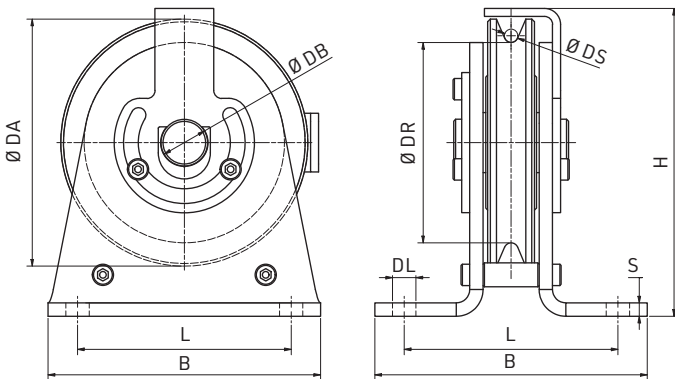
Option: Load measuring pin

Technical data:

- 8 sizes, total capacities from 500 kg to 14,000 kg
- Full load at 180°-deflection in all directions possible
- Mechanism group 1Bm/M3
- Factor of Safety FoS 4

Special designs on request:

- Stainless steel version
- Mechanism group 1Am/M4 and 2m/M5 possible for H68121 - H68161
- Load measuring pin



TYPE	ULRB ...	5-75	6-90	8-120	10-150	12-180	14-210	16-240	20-304
Capacity	kg	500	1,000	2,000	3,000	5,000	7,500	10,000	14,000
Rope force with 180° turn max	kg	250	500	1,000	1,500	2,500	3,750	5,000	7,000
Rope diameter max. (DS)	Ø mm	5	6	8	10	12	14	16	20
Groove base diam. of rope pulley (DR)	Ø mm	75	90	120	150	180	210	240	304
Outer diameter of rope pulley (DA)	Ø mm	100	115	150	185	220	260	295	374
Bolt diameter (DB)	Ø mm	15	20	30	35	40	50	60	70
Hole spacing (L)	mm	80	95	130	160	195	230	250	325
Hole diameter (DL)	Ø mm	9	13.5	15.5	17.5	22	26	33	39
Sheet thickness (S)	mm	5	6	8	10	12	15	15	20
Width (B)	mm	104	130	169	204	250	294	330	421
Height (H)	mm	124	144	188	231	274	326	365	462
Weight approx.	kg	2	4	8	14	23	42	55	110
Rope pulley block ULRB	Order No.	H68051	H68061	H68081	H68101	H68121	H68141	H68161	H68201



SIKA swivel load hook, grade 8

TYPE	Capacity kg	Weight kg	Order No.
WHS-1.25	1,250	0.4	D00150
WHS-1.6	2,000	0.9	D00151
WHS-3.2	3,200	1.6	D00152
WHS-5.4	5,400	3.5	D00153
WHS-8-8	8,000	6.5	D00154
WHS-11.5	11,500	8.5	D00155



SIKA hook with eye, grade 8

TYPE	Capacity kg	Weight kg	Order No.
OHS-06	1,120	0.6	D00160
OHS-08	2,000	1.0	D00161
OHS-10	3,150	1.5	D00162
OHS-13	5,300	3.5	D00163
OHS-16	8,000	5.5	D00164
OHS-20	12,500	7.6	D00165



Stainless steel swivel load hook

TYPE	Capacity kg	Weight kg	Order No.
WHN-05	500	0.3	D02151
WHN-1	1,000	1.0	D02152
WHN-2.4	2,400	1.4	D02153
WHN-3.8	3,850	2.3	D02154
WHN-5	5,000	3.8	D02155



Stainless steel hook with eye

TYPE	Capacity kg	Weight kg	Order No.
OHN-025	250	0.1	D02160
OHN-045	450	0.2	D02161
OHN-1.5	1,500	0.8	D02162
OHN-2.4	2,400	1.4	D02163
OHN-3.8	3,850	3.0	D02164
OHN-5	5,000	4.8	D02165

Wire ropes

Rope diameter mm	TYPE 6 × 19 + IWRC, 6 × 36 + IWRC (as of 10 mm) 1960 N/mm ² galvanised, non-rotation resistant		TYPE 17 × 7 + IWRC, 1960 N/mm ² galvanised, rotation resistant		plus assembly of the rope on reel if necessary / one side pointed, other side with thimble Order No.
	Min. breaking force kN	Order No. per metre	Min. breaking force kN	Order No. per metre	
4	10.4	C04619	10.3	C04177	C04001
5	16.2	C05619	16.1	C05177	C05001
6	23.4	C06619	23.1	C06177	C06001
7	31.8	C07619	31.5	C07177	C07001
8	41.6	C08619	41.1	C08177	C08001
9	52.7	C09619	52.1	C09177	C09001
10	69.8	C10636	64.3	C10177	C10001
11	84.4	C11636	77.8	C11177	C11001
12	100.5	C12636	92.6	C12177	C12001
13	118	C13636	109	C13177	C13001
14	136.8	C14636	126	C14177	C14001
16	178.7	C16636	165	C16177	C16001
18	226.2	C18636	208	C18177	C18001
20	279.3	C20636	257	C20177	C20001
22	337.9	C22636	-	-	C22001
24	402.2	C24636	-	-	C24001
26	472	C26636	-	-	C26001
28	547.4	C28636	-	-	C28001

WIRE ROPES AND LIMIT STOP EQUIPMENT

In the majority of cases, wire ropes in accordance with DIN EN 12385-4 are used. Depending on the application, we also equip cable winches with high-strength wire ropes or stainless steel ropes. The ropes differ in terms of their different designs, e.g. flexibility, strength and robustness.

For unguided loads lifted in a single line, a wire rope must be selected that does not untwist under load. These ropes belong to the group of rotation-resistant wire ropes. The rope type is selected according to your application. It is helpful to have as many parameters as possible to make the right choice.

Due to the large number of different ropes, the PLANETA PFW, PCW and PHW wire rope winches are offered without rope in the basic version. You can choose between a smooth rope end, a crimped end or a crimped end with load hook as a sling.

Wire ropes are supplied loose in a bundle as standard.

We can also coil the rope on request.



Stainless steel wire ropes

Rope diameter mm	TYPE 7 × 19 1570 N/mm ² stainless steel (V4A) non-rotation resistant		TYPE 18 × 7 1570 N/mm ² stainless steel (V4A) rotation resistant		plus assembly of the rope on a reel if necessary / one side pointed, other side with thimble Order No.
	Min. breaking force kN	Order No. per metre	Min. breaking force kN	Order No. per metre	
4	8.34	C04719	9	C04187	C04002
5	13	C05719	13	C05187	C05002
6	18.7	C06719	19	C06187	C06002
8	33.3	C08719	34	C08187	C08002
9	-	-	-	-	-
10	52.1	C10719	53	C10187	C10002
11	-	-	-	-	-
12	75	C12719	77	C12187	C12002
13	-	-	-	-	-
14	102	C14719	107	C14187	C14002
16	133	C16719	135	C16187	C16002

Design:

6 × 19 + IWRC, 6 × 36 + IWRC: Robust winch rope with independent wire rope core

17 × 7 + IWRC: High tensile lifting rope, twist-poor

7 × 19, 18 × 7: Stainless Steel: Corrosion free rope from material 1,4401

WIRE CABLE BLOCKS

With rotatable load hook in accordance with DIN 15401, with hook clip.

PA/R = with polyamide roller(s) with slide bearing
up to 150 mm external roller diameter

ST/R = with steel roller(s) with plain bearing

ST/K = with steel roller(s) with ball bearing

Wire cable block, single-roll



Load bearing capacity at hook t	Roller outer Ø mm	Roller basic Ø mm	Max. wire rope Ø mm	Housing-width mm	Base width mm	Axis length mm	Installation length at hook mm	Weight approx. kg	Order No. PA/R	Order No. ST/R	Order No. ST/K
500	100	80	7	130	25	55	385	3.5	D01500	D01508	D01516
1,000	125	105	9	150	30	55	430	4.5	D01501	D01509	D01517
2,000	150	125	11	165	33	65	500	7.5	D01502	D01510	D01518
3,000	175	145	12	210	41	82	640	15	-	D01511	D01519
3,000	200	170	15	210	41	82	640	15.5	-	D01512	D01520
5,000	225	185	16	265	45	85	740	24	-	D01513	D01521
5,000	250	210	18	265	45	85	740	25	-	D01514	D01522
8,000	310	260	23	325	52	110	890	45	-	D01515	D01523

Wire cable block, double-roll



Load bearing capacity at hook t	Roller outer Ø mm	Roller basic Ø mm	Max. wire rope Ø mm	Housing-width mm	Base width mm	Axis length mm	Installation length at hook mm	Weight approx. kg	Order No. PA/R	Order No. ST/R	Order No. ST/K
1,000	100	80	7	130	30	81	410	5	D01530	D01537	D01544
1,600	125	105	9	150	33	86	440	7	D01531	D01538	D01545
3,000	150	125	11	165	41	113	525	12	D01532	D01539	D01546
5,000	175	145	12	210	45	130	680	23	-	D01540	D01547
5,000	200	170	15	210	45	130	680	24	-	D01541	D01548
8,000	225	185	16	265	52	150	785	38.5	-	D01542	D01549
8,000	250	210	18	265	52	150	785	40.5	-	D01543	D01550

Wire cable block, single-roll, hinged



Load bearing capacity at hook t	Roller outer Ø mm	Roller basic Ø mm	Max. wire rope Ø mm	Housing-width mm	Base width mm	Axis length mm	Installation length at hook mm	Weight approx. kg	Order No. PA/R	Order No. ST/R	Order No. ST/K
500	100	80	7	130	25	55	350	3.5	D01560	-	D01576
1,000	125	105	9	150	30	61	390	4.5	D01561	-	D01577
2,000	150	125	11	165	33	73	435	7.5	D01562	-	D01578
3,000	175	145	12	210	41	90	580	15	-	D01571	D01579
3,000	200	170	15	210	41	90	580	15.5	-	D01572	D01580
5,000	225	185	16	265	45	105	700	24	-	D01573	D01581
5,000	250	210	18	265	45	105	700	25	-	D01574	D01582
8,000	310	260	23	325	52	120	810	41	-	D01575	D01583

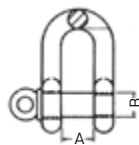
Other sizes on request.

HIGH-STRENGTH GALVANISED SHACKLE



Design A | G 209

(curved) with eye bolt



Design B | G 210 (straight) with eye bolt

(Dimensions the same as design A)



Design C | G 2130

(curved with nut and cotter pin)

(Dimensions the same as design A)



Design D | G 2150

(straight with nut and cotter pin)

(Dimensions the same as design A)

Capacity kg	Nominal size, inches	Bore (A) mm	Bolt Ø (B) mm	Order No. Design A	Order No. Design B	Order No. Design C	Order No. Design D
*330	3/16	9.65	6.35	D00278	-	D00312	-
500	1/4	11.9	7.87	D00279	D00296	D00313	D01191
750	5/16	13.5	9.65	D00280	D00297	D00314	D01192
1,000	3/8	16.8	11.2	D00281	D00298	D00315	D01193
1,500	8/16	19.1	12.7	D00282	D00299	D00316	D01194
2,000	1/2	20.6	16	D00283	D00300	D00317	D01195
3,250	5/8	26.9	19.1	D00284	D00301	D00318	D01196
4,750	3/4	31.8	22.4	D00285	D00302	D00319	D01197
6,500	7/8	36.6	25.4	D00286	D00303	D00320	D01198
8,500	1	42.9	28.7	D00287	D00304	D00321	D01199
9,500	1 1/8	46	31.8	D00288	D00305	D00322	D01200
12,000	1 1/4	51.5	35.1	D00289	D00306	D00323	D01201
13,500	1 3/8	57	38.1	D00290	D00307	D00324	D01202
17,000	1 1/2	60.5	41.4	D00291	D00308	D00325	D01203
25,000	1 3/4	73	51	D00292	D00309	D00326	D01204
35,000	2	82.5	57	D00293	D00310	D00327	D01205
55,000	2 1/2	105	70	D00294	D00311	D00328	D01206

* Only as eye bolt available.

Rope winch options

PLANETA CONTROL ENGINEERING

BASIS-control for hoist, traversing and pulling winches up to 4 kW. Only for PFW-E and PKW-E winches.

Standard:

- Plastic box IP 55
- Control voltage 24 VDC
- Mains monitoring
- Control switch on 3 m control cable
- Mains plug on 3 m supply cable
- Compatible with TN networks (3Ph)

Options:

- Mounted and wired to winch
- Overload protection
- Motor temperature monitoring
- Radio control

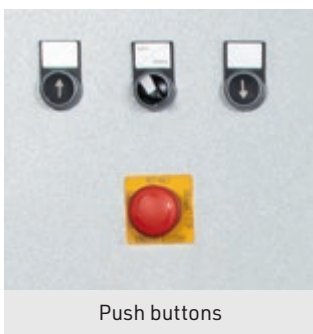
Motor power kW	Overload protection	Motor temperature monitoring	Mounted and wired to winch	Order No.
1 Ph. / 230 V / 50 Hz				
1.5				H69910
1.5	X			H69911
1.5		X		H69912
1.5	X	X		H69913
1.5			X	H69915
1.5	X		X	H69916
1.5		X	X	H69917
1.5	X	X	X	H69918
3 Ph. / 400 V / 50 Hz				
1.5				H69920
1.5	X			H69921
4.0		X		H69922
4.0	X	X		H69923
1.5			X	H69925
1.5	X		X	H69926
4.0		X	X	H69927
4.0	X	X	X	H69928



Frequency inverter control



Contactor control



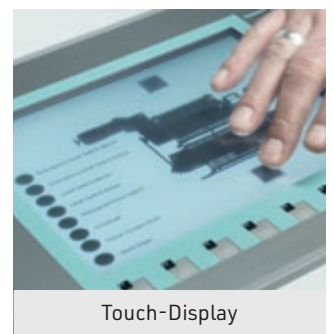
Push buttons



Radio control



Manual control button for contactor control



Touch-Display

1. Kind of drive and quantity*

- manually
- electric, operating voltage phases / VAC / Hz
- pneumatic, flow volume l/sek bar
- hydraulic, flow volume l/min bar
- Requested quantity

2. Site of Operation and capacity*

- Pulling winch
 daN pulling force and m rope length
- Lifting winch
 kg Hubblast and m rope length
- Traversing winch
 daN pulling force and m rope length

If the pulling or lifting capacity is not known, please describe your application with the length of the path, weight of load and rolling conditions for your pulling applications. For lifting applications please also describe the angle or slope of the path.

3. Rope speed

- slow (1-5m/min) medium (5-15m/min)
- fast (>15m/min) exactly m/min
- adjustable from m/min up to m/min
- 2-speed m/min and m/min

4. Site of Operation

- Distance to the first reeving m
- inside outside outside with seawater

5. Load type

- Goods Pending goods above people
- Goods to be moved above people People
- Load guided Load not guided

6. Winch options

- Rope m Rope enclosed loose
- Rope coiled Rope-end, plain
- Rope-end with thimble Load hook

- Grooved drum Drum pressure roller
- Spindle limit switch Slack wire switch
- Disengaging clutch Spooling gear
- Drum guard
- Second brake acting on drum
 - mechanic automatic
- Emergency crank Manual brake release
- Two rope exits with m distance
- More rope exits like shown on sketch
- Explosion-proof protection class:**

7. Steuerung

- Low voltage control box
 - Panel mounted on winch frame
 - for mounting on walls, with m distance to winch
- Frequency inverter
 - mounted on winch frame
 - for mounting on walls, with m distance to winch

8. Operation

- Push buttons in the control panel door
- Pendant control with m control cable
- Radio Remote control
- Wall-mounted push-button
- Foot pedal
- Several with selector switch in the control panel door

9. Options for control

- Panel mounting appliance inlet
- Power supply cable with m cable
- Power shut-off switch
- Electric overload protection
- Full motor protection (Temperature monitoring)

10. Other requirements

11. Please sketch your application as required on a DIN A4 sheet of paper

* Please note the required fields!

Company

Contact person

Adress

Phone

E-Mail

Company stamp / Signature

All gear parts are galvanized, very durable and corrosion resistant



BHW-1200



Rope enclosed loose



BHW-1200 with rope and hook



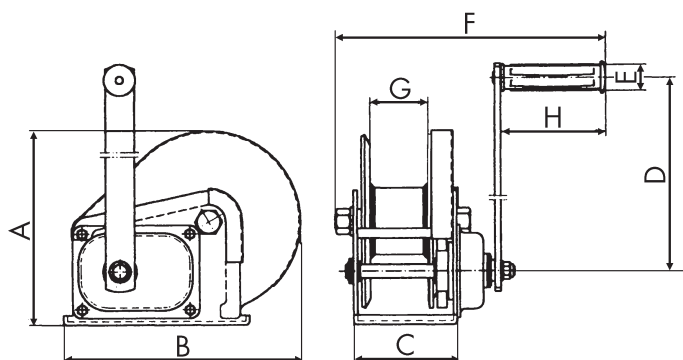
MANUAL ROPE WINCH | BHW

The moderately priced BHW winch is a technical solution to lift and pull loads up to 1,200 kg. The winch has to be fixed with a foot plate by bolts on a solid pedestal. Then the crank can be turned freely in both directions.

Winches in stainless steel upon request.

Features:

- Zinc plated protection
- Dismountable hand crank
- Automatic load-pressure brake
- Gear and brake in closed housing
- Rope easy to assemble



TYPE	BHW-...	1200	1800	2600
Max. pulling force bottom (1st) cable layer	daN	550 / 330*	820 / 660*	1,200 / 960*
Max. pulling force top (9th) cable layer	daN	200	300	475
Drum diameter	mm	47.8	57.7	75.7
Gearing ratio		4.2:1	5:1	10:1
Lift per crank handle rotation	mm	35	35	25
Lever force	daN	15	22	19
Rope diameter (Construction 2160 N/mm ²)	mm	5	7	8
Standard rope length	m	20	20	18
Plate size Length × Width	mm	140 × 88	194 × 107	240 × 127
Hole distance Length × width / Diameter	mm	95 × 40 / 10	135 × 70 / 10	162 × 77 / 10
A (Dimensions)	mm	156	203	216
B	mm	184	256	293
C	mm	88	107	127
D	mm	210	319	319
E	mm	27	27	27
F	mm	272	283	305
G	mm	51	60	63
H	mm	109	109	109
Weight without rope	kg	3.7	7.7	10.1
BHW (without rope) zinc galvanized	Order No.	H30024	H30026	H30028
BHW complete with rope and hook**	Order No.	H30041	H30042	H30043
BHW (without rope) Stainless steel version	Order No.	H30290	H30291	H30292

*Stainless steel version / **Standard rope length

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