



PLANETA

Hoists and winches since 1861



ATEX Catalogue
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 Hebe-technik 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

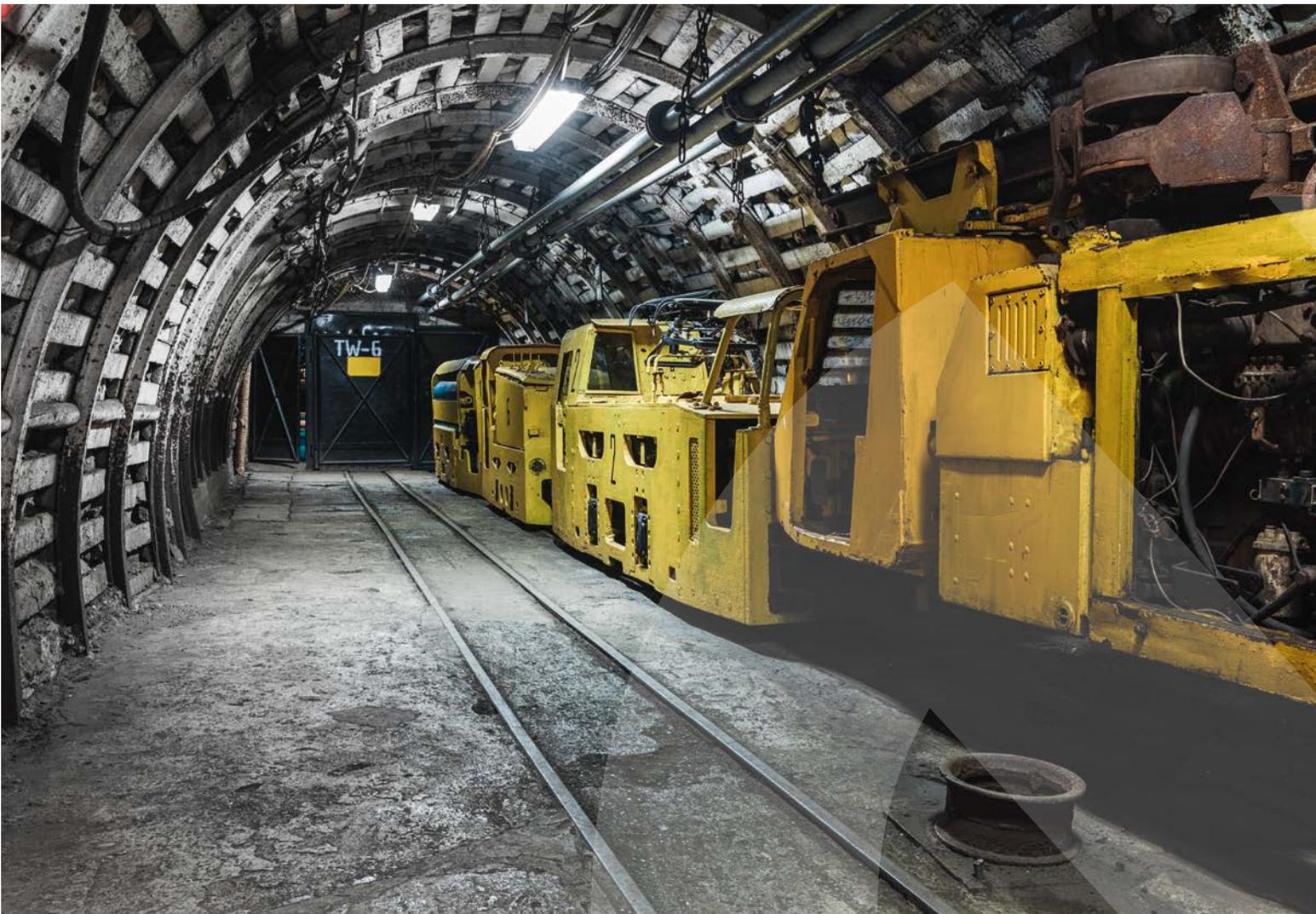
Consistency and innovation are in fact two sides of the same coin, because only a constant willingness to innovate makes sustainable developments possible.

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.



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.

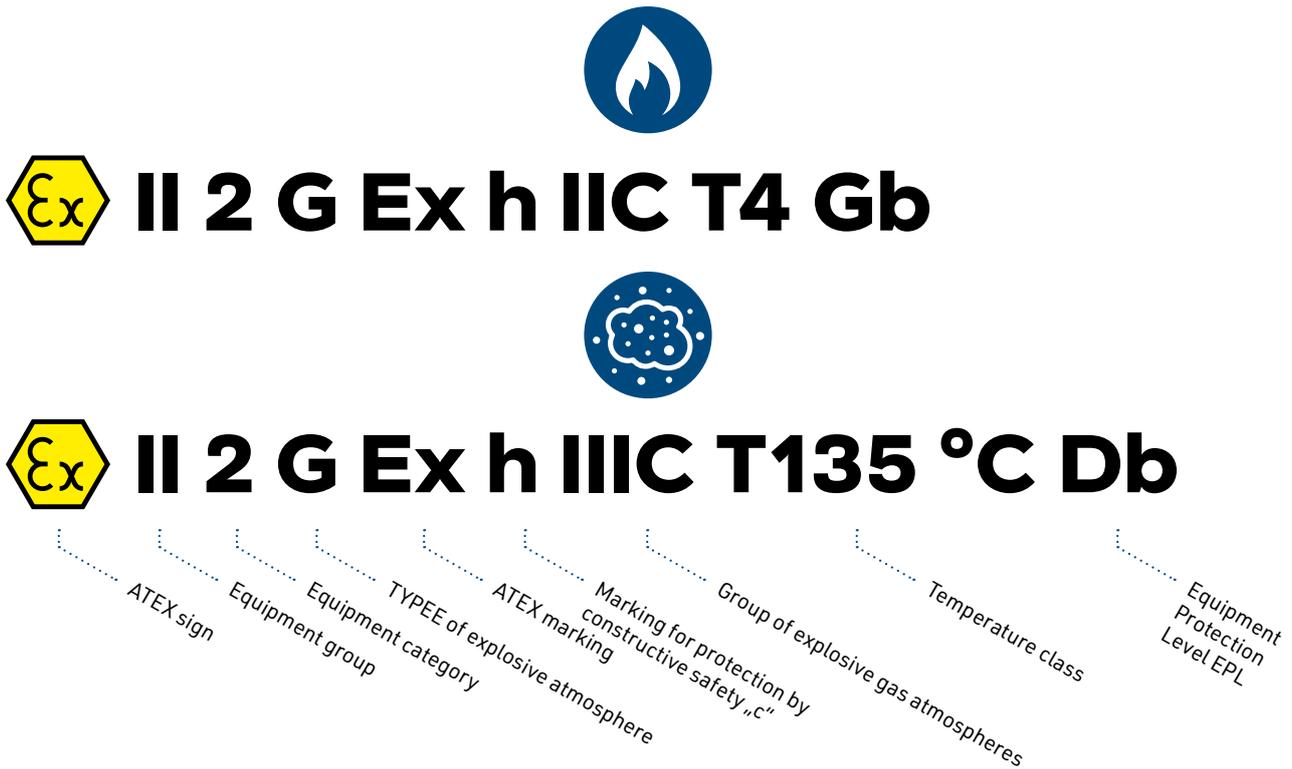
The standards, regulations and guidelines of the responsible bodies, for example BG-Chemie, on the use of equipment in potentially explosive atmospheres must be observed by the operator when installing, assembling and operating EX-protected hoists. PLANETA offers hoists for the various applications,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



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 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 5

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 x 12	1	250	250
PREMIUM PRO-II-EX 0.5	5 x 15	1	500	500
PREMIUM PRO-II-EX 1	6 x 18	1	1,000	900
PREMIUM PRO-II-EX 1.5	8 x 24	1	1,500	1.250
PREMIUM PRO-II-EX 2	8 x 24	1	2,000	1.250
PREMIUM PRO-II-EX 3	10 x 30	1	3,000	2.000
PREMIUM PRO-II-EX 5	10 x 30	2	5,000	3.200
PREMIUM PRO-II-EX 10	10 x 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-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 8.

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

Load chain

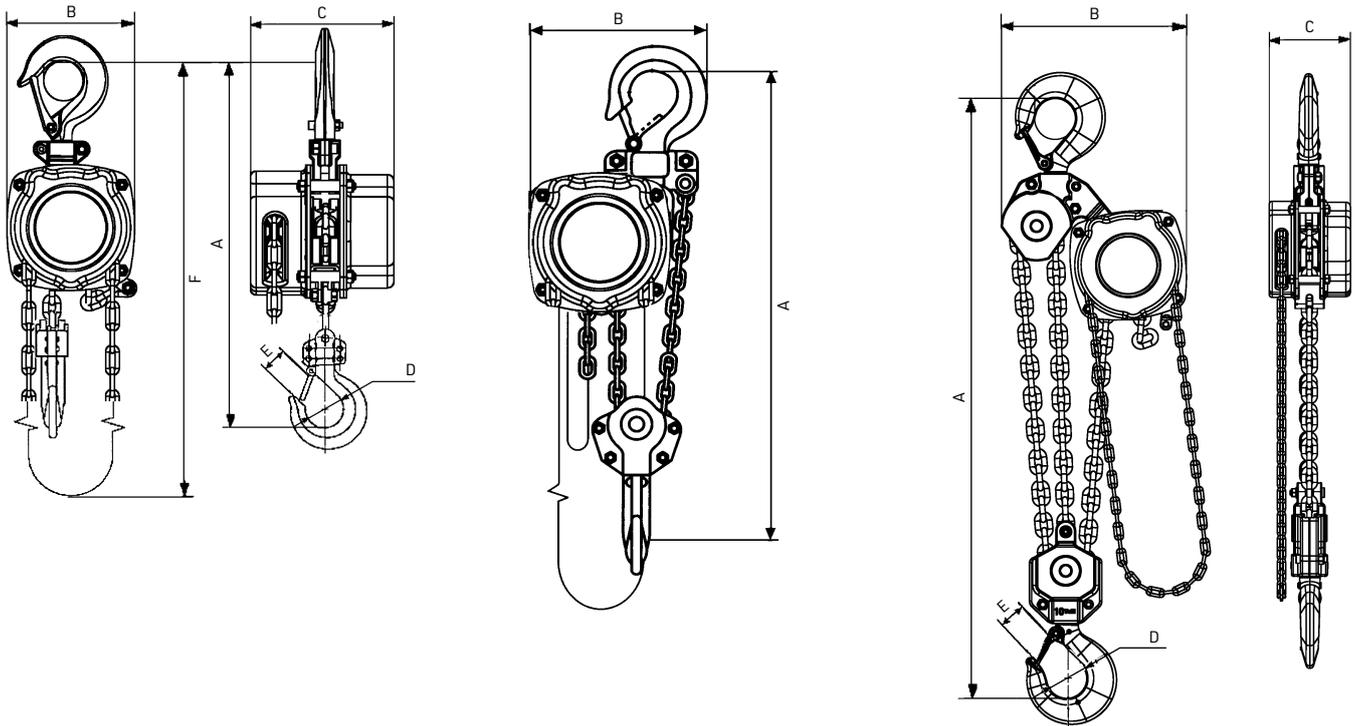
Tempered and galvanised load chain in accordance with DIN EN 818-7-T 'Made in Germany'. Even single-strand up to 3,000 kg. Extra chain available in any length on request.

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 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

TYPEE	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 x 12	5 x 15	6 x 18	8 x 24	8 x 24	10 x 30	10 x 30	10 x 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

 II 2 G Ex h IIC T4 Gb X

 II 2 D Ex h III C T 135 °C Db



Even with
5.000 kg
capacity only
one chain fall!

PREMIUM
PRO-EX 3,2



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.

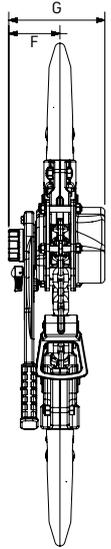
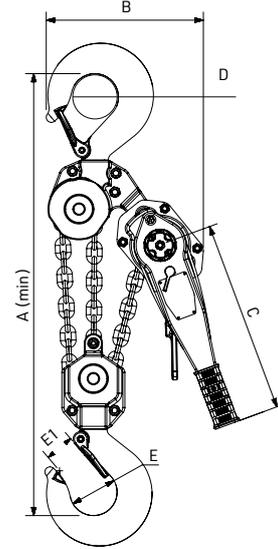
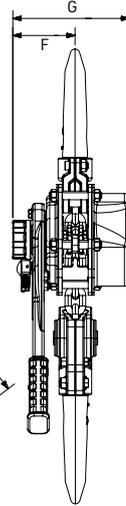
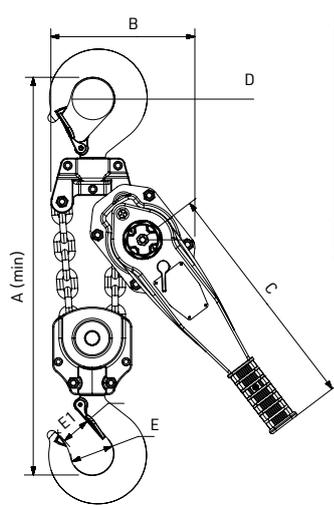
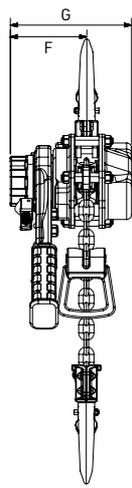
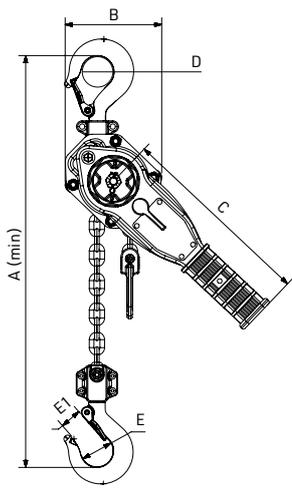
Protected handle

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.

 Explosion class see page 8.



PREMIUM PRO-EX 800 – 3.200 kg

PREMIUM PRO-EX 6.400 kg

PREMIUM PRO-EX 9.600 kg

TYPEE	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 x 16	7.1 x 21	9 x 27*	13 x 36	9 x 27*	9 x 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 ** chromated

Ex II 3 G Ex h IIB T4 Gc X

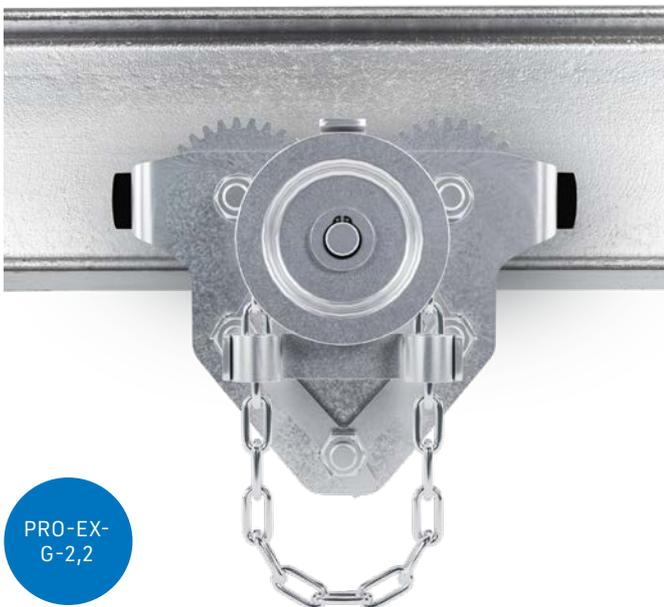
Ex II 3 D Ex h III B T135°C Dc



PRO-EX-H-2,2



PRO-EX-HC-2,2



PRO-EX-G-2,2



PRO-EX-GC-2,2



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:

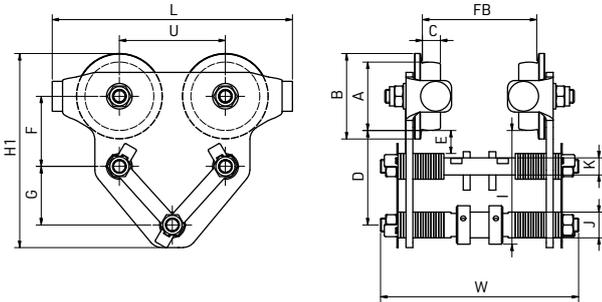
- 5 sizes, load capacities from 500 kg to 5,500 kg
- Up to 4 flange width ranges per size
- Single-flange wheels with 2RS deep-groove ball bearings, for straight and angled steel profiles
- Rubber bumpers

- Fall and climbing protection
- Infinitely adjustable load suspension centering

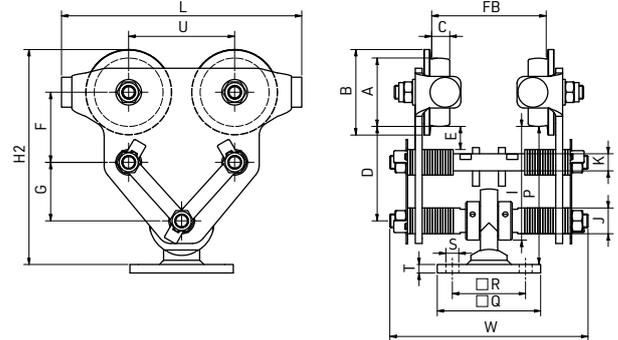
Special versions on request:

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

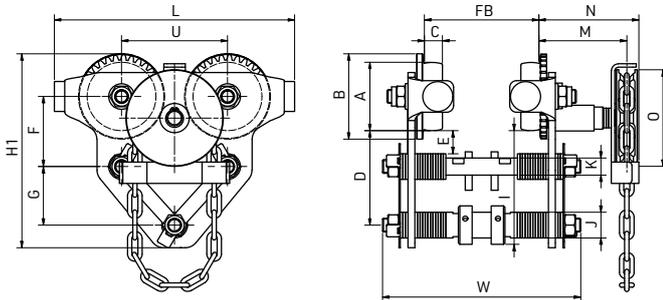
PRO-EX-H



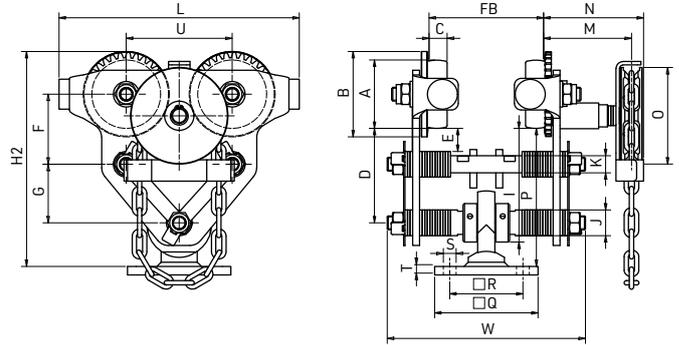
PRO-EX-HC



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

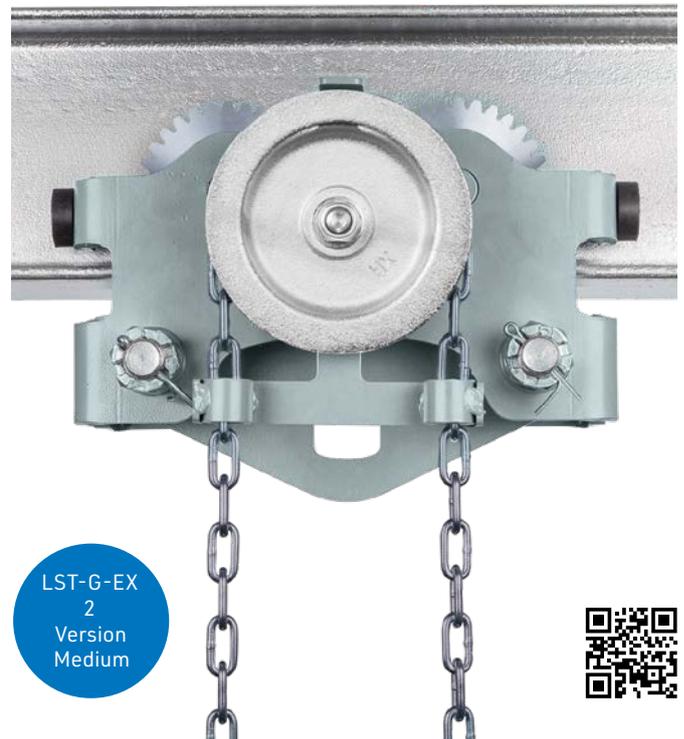
More capacities on request!



LST-H-EX
0,5
Version
Medium



Push trolley | **LST-H**



Gear TYPEe 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

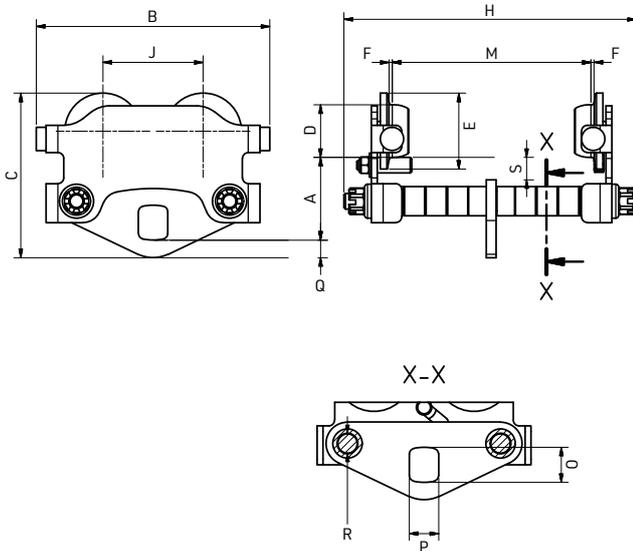
Balanced load distribution on four wheels due to Self-adjustment with two carrying bolts! Slightly movable support bolts allow the side plates to automatically adjust to any unevenness of the running surface.

EX-protection version

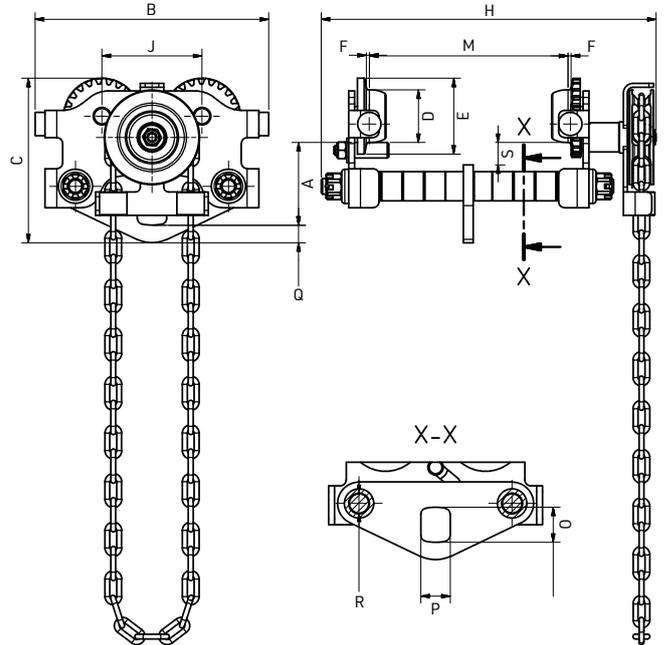
For EX-protected applications, specially treated wheels and hand chains made of stainless steel are available, which makes the trolleys suitable for Ex-areas up to zone 1 II 2 G IIC T4 the trolleys. The trolleys comply with the ATEX Directive 2014/34/EU.

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

LST-H-EX



LST-G-EX



TYPEE		LST-H-EX ...	0.5	1	2	3	5	10	-
TYPEE		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		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-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	G20017
Add. hand chain operation length/m (High)	Order No..	G20520	G20520	G20520	G20520	G20520	G20520	G20520	G20520
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	-
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!



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 TYPEe 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 (TYPE: -H) or as gear TYPEe trolley (TYPE: -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):

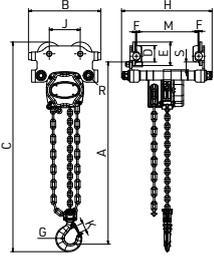
- Chain box for suspended chain
- Design for rust-prone areas with special chains
- Special flange widths up to 305 mm possible if the specified adjustment range (dimension H) is no longer sufficient.

info

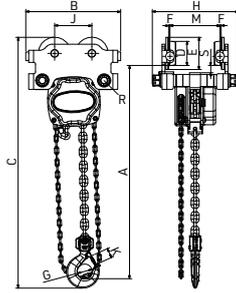
Advantages of a combined trolley:

- 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.

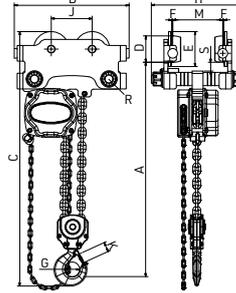
LHT-H-EX 500 – 2.000 kg



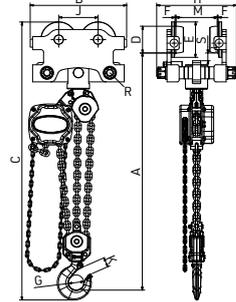
LHT-H-EX 3.000 kg



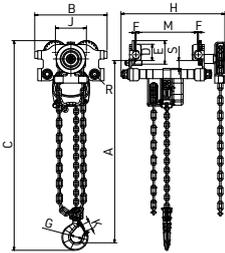
LHT-H-EX 5.000 kg



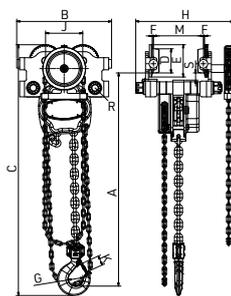
LHT-H-EX 10.000 kg



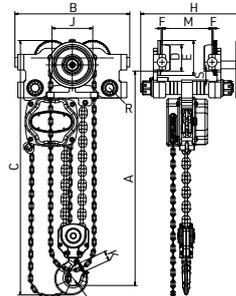
LHT-G-EX 500 – 2.000 kg



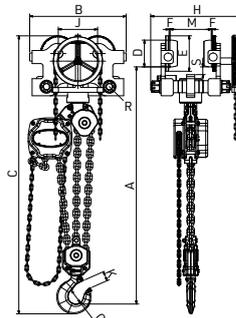
LHT-G-EX 3.000 kg



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 x 15	6 x 18	8 x 24	8 x 24	10 x 30	10 x 30	10 x 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	Ø 38	Ø 44	Ø 50	Ø 50	Ø 63	Ø 60	Ø 75
J	mm	102	112	131	131	153	168	194
K	mm	24	28	31	31	40	40	48
R	mm	Ø 20	Ø 24	Ø 29	Ø 29	Ø 34	Ø 39	Ø 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

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 TYPEe 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. Expensive 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.

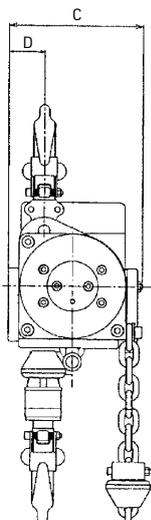
Best cost effectiveness

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

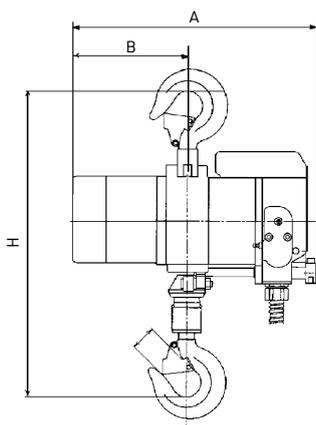
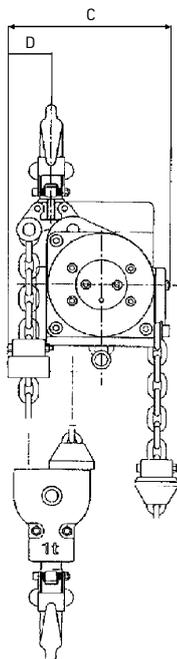
Air pressure

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

TYPE	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 without 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 x 19.1	6.3 x 19.1	6.3 x 19.1	7.1 x 21	7.1 x 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 3m Lift with rope control	Order No.	H10001	H10002	H10003	H10004	H10005
TCR with 3m Lift with pendant control	Order No.	H10015	H10016	H10017	H10018	H10019
Add. lift per meter	Order No.	H10029	H10029	H10030	H10031	H10032
Maintenance unit	Order No.	H10054	H10054	H10054	H10054	H10054
Chain bag (plastic) to 3 m lift	Order No.	H10340	H10341	H10342	H10343	H10344
Add. air powered trolley DLK	Order No.	H10044	H10052	H10053	H10099	H10045
Add. control length rope control / m	Order No.	H10042	H10042	H10042	H10042	H10042
Add. control length pendant control / m	Order No.	H10043	H10043	H10043	H10043	H10043
Pneumatic-Special-Oil (Content: 2.5 Liter)	Order No.	H20566	H20566	H20566	H20566	H20566

Chain bag up 10 t (steel plate) 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!



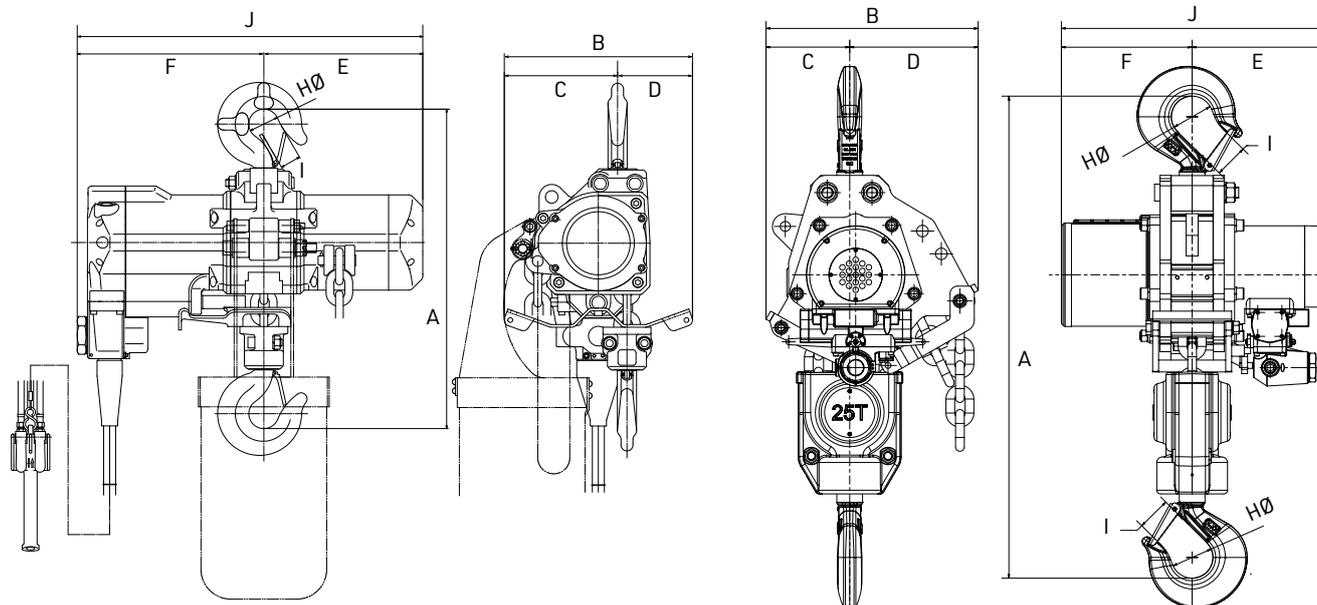
Manual push-button control



Rope control

TMH 3000

TMH 25000



TYPEE	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	1 1/2" BSPT				
Chain size	mm	13 x 36	23.5 x 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 IIB T 135 °C Dc



TCRM 250C
with rope control
(chain control)

250 kg



TCS-980
with
chain case



Light
Very light weighted
aluminium housing

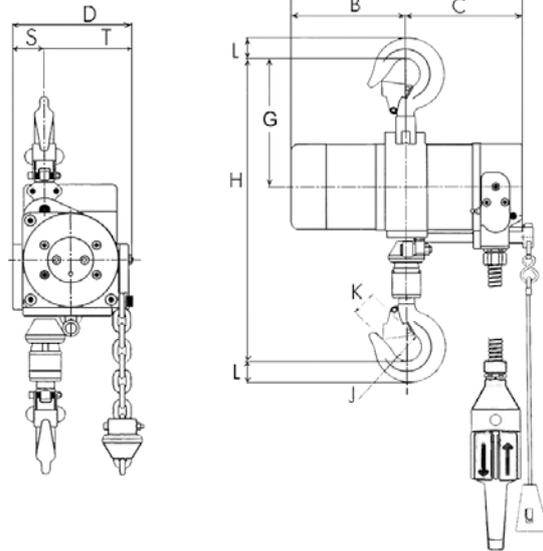


Fast
Lifting speed from
4.5 to 17 m/min with
full load

MINI-HOIST | TCRM/TCS

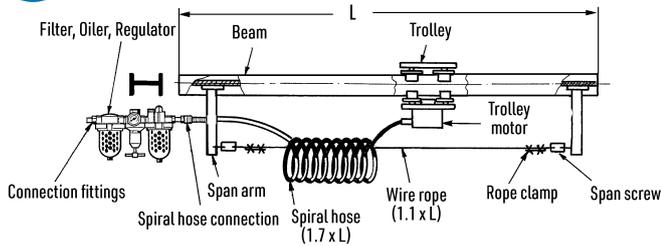
If you are looking for an excellent technical, flexible and compact air hoist that works under many different situations, now here it is. The new model range TC. This series comprises the new 125 to 990 kg pneumatic chain hoists. The TC is one of the most compact and transportable air chain hoist you 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 IIA 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 dimensions	mm	4 x 12	4 x 12	4 x 12	6.3 x 19	6.3 x 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	-	-

TYPE 1 SPIRAL HOSE

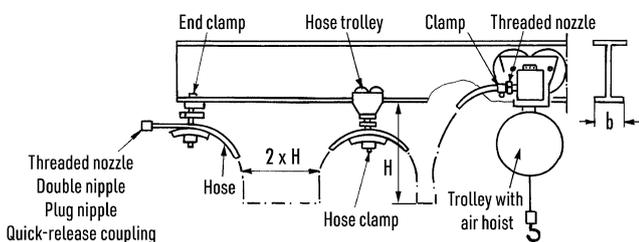


Beam length up to 10 m are best to serve with a spiral hose for air supply. A rope is spanned parallel to the beam between two holding arms. The spiral hose winds around it. The plastic hose acts like a spiral spring, gets longer or shorter with the moving trolley.

Complete set for 3 meter beam drive:

Spiral hose with reserve (1.7 x 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.

TYPE 2 DRAG HOSE



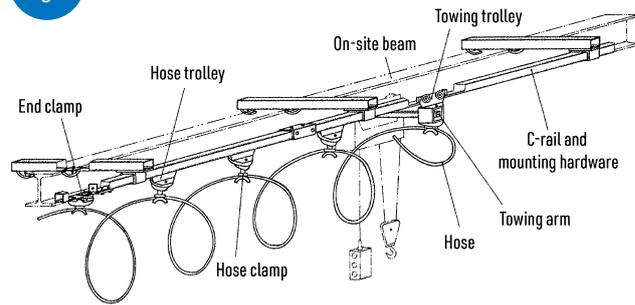
Pulling the air hose behind the trolley is the easiest way to bring air to the hoist. Small plastic trolleys carry the hose in certain distance behind the trolley. The hose hangs normally one meter down. So one hose carrier is needed each two meters. The hose is transparent with a strengthening textile 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!

TYPE 3 C-TRACK



A C-track is the most comfortable air supply. The total beam length can be used for driving. This TYPEe 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.



Ball valve

Quick-action coupling



TYPEE		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 | PEH-EX

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

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.

Electric chain hoist

Ex II 3D Ex tc IIIA T130°C Dc



PEH 500/2
two-stran

Equipment:

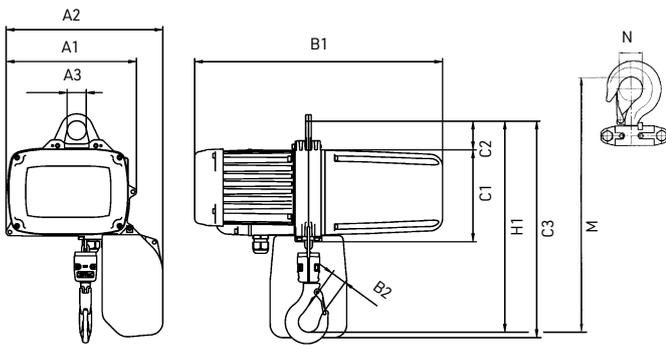
- Lifting capacity: to 2,500 kg
- 3 × 400 V / 50 Hz
- 42 V low voltage control
- 3-phase motor (3 ph): 2 speeds
- Control cable length: 1,8 m
- Gearbox limit switch
- Ergonomic control switch with emergency stop
- Protection class IP65
- Temperature monitoring by thermocouple (Klixon)
Lift movement is monitored

Accessories and options:

- Control switch in ATEX version
2 buttons or 4 buttons with emergency stop
- Other operating / control voltages on request
- Hook suspension / Safety load hook, self-closing
- Geared limit switches with high accuracy in positioning of the highest and lowest hook position
- Operating data counter
- 2nd brake
- External limit switch
- Compact design
- Manual trolleys
- Frequency control
- Corrosion-resistant design
- DGUV V17/18 model available
- UP-SIDE-DOWN model available

TYPEE	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)									
PEHM250/1NF	-	320	250	200	-	8/2	1	3.75 x 10.75	0.72/0.18	2.8/1.7	17	0.34	H21520	H21521
PEHM250/1SF	-	-	125	100	-	16/4	1	3.75 x 10.75	0.72/0.18	2.8/1.7	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	2.8/1.7	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	2.3/0.68	5.7/4.1	58	1.37	H21600	H21609
PEH1000/1SF	-	630	500	400	320	16/4	1	7.45 x 23	2.3/0.68	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	6.5	57	1.37	H21602	H21609
PEH1000/1NL	1,600	1,250	1,000	800	630	4	1	7.45 x 23	1.5	6.5	62	1.37	H21603	H21609
PEH1000/2NF	-	2,500	2,000	1,600	1,250	4/1	2	7.45 x 23	2.3/0.68	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	6.5	61	2.74	H21605	H21610
PEH1000/2NL	-	2,500	2,000	1,600	1,250	2	2	7.45 x 23	1.5	6.5	66	2.74	H21606	H21610

* 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



PEH with eye or hook

TYPEE (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

Electric rope winch



Ex II 2 GD de IIB T4 T 135°C



EX-proof wall-mounted switch



Stainless steel swivel load hook with niro wire rope.

ELECTRIC ROPE WINCH | PFW-EX

With a load bearing capacity from 250 to 3000 kg this electrical rope 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-EX version is build according the CE directive 2006/42/EC and European ATEX-guidelines 2014/34/EU. With its special equipment and configuration these winches may be used in areas at risk of explosion. 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.

Equipment:

- Electrical control in pressure-resistant casing EX II 2 GD de IIB T4 T 135°C
- Standard Protection Classification IP55 with isolation F
- Standard ambient temperature from -10 °C to +40 °C
- Standard mechanism group acc. FEM 1,001: M3 (1Bm)
- Standard supply voltage of 3 PH / 400 Volt / 50 Hz Preisvorteil
- Contactor control available for areas at risk of explosion or standard version for installation in safe areas to combine safe equipment with price advantages
- Pendant remote control and radio remote control available for areas at risk of explosion

Available options:

- Grooved drum with drum length on customer demand for higher rope storage and better spooling
- Different voltage and frequency
- Adjustable speed with frequency converter
- Free spooling clutch
- Special paintings and higher protection class of electrical equipment for outdoor and offshore applications
- Drum pressure roller
- Multi rope strands or drum divider
- Drum cover
- Limit switches according to ATEX guidelines
- Overload protection
- Special ropes with bronze coated hooks or solid steel version

Basic design

TYPEE	PFW-1D-EX	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 in 1st rope layer	approx. m/min	8	8	8	8	8	8	8
Rope speed in 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-EX with standard speed	Order No.	H62401	H62411	H62421	H62431	H62441	H62451	H62461

Dimensions und weights

TYPEE	PFW-1D-EX	250	500	750	1000	1500	2000	3000
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

TYPEE	PFW-2D-EX	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 in 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-EX with standard speed	Order No.	H62501	H62511	H62521	H62531	H62541	H62551	H62561

Dimensions und weights

TYPEE	PFW-2D-EX	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

Ex II 2 GD c T4 135°C



PNEUMATIC WINCH | PFW-L-SERIE

For pneumatic winch applications, demanding a modular and solid design, this range of explosion proof winches provides the solution.

The use of vane TYPEE motors and spring applied pneumatic disc brakes ensures trouble free operation and low maintenance requirements

These winches find their use in general industry, oil and gas exploration and in many places where compact, explosion proof hoisting gear is required. Because of the modular design of the PFW winch also the pneumatic version can be delivered with advantageous delivery times.

Faster rope speeds are available upon request.

Equipment:

- High efficiency spur gear box
- Rotary vane motor with pneumatic fail-safe disc brake
- Steel drum (not grooved) with rope fixing point at flange
- Two drum supports
- Double layer 2 component coating, colour RAL 5010

Available options:

- Manual disengaging clutch
- Grooved drum
- Drum pressure roller
- Alternative speeds
- Alternative drum dimensions / split drums / additional rope anchors / etc.
- Drum guard
- Marine / offshore coating systems
- Proportional control valve, local or remote
- Pneumatic limit switch
- Pneumatic slack wire switch

Basic design

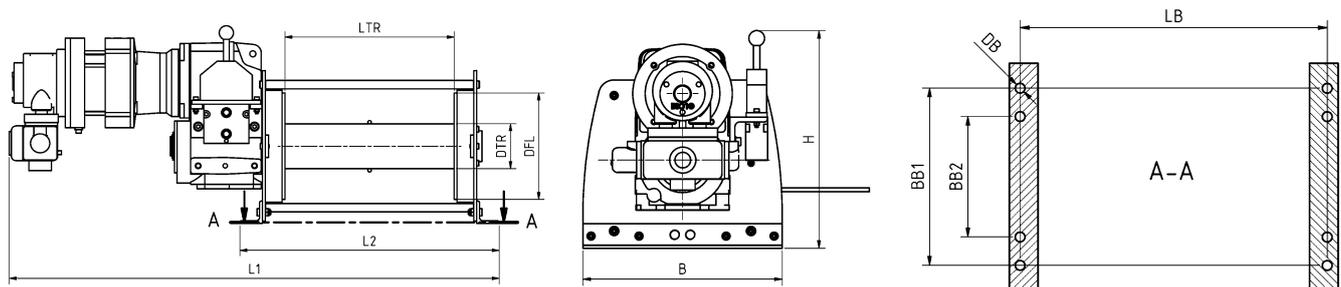
TYPE	PFW-L-1D	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	500	750	1,000	1,500	2,000	3,000
Lifting capacity in 5th rope layer	kg	320	480	640	950	1,270	1,920
Rope diameter	mm	6	7	8	10	12	14
Rope length in 1st rope layer	m	11	11	10	10	9	9
Rope length in 5th rope layer	m	75	75	75	75	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
Rope speed in 1st rope layer	approx. m/min	9	10	8	12	8	5
Rope speed in 5th rope layer	approx. m/min	14	15	13	18	12	8
Motor power	kW	1.8	2.2	2.2	3.5	3.5	3.5
Air pressure	bar	6	6	6	6	6	6
Air consumption	l/min	45	55	55	80	80	80
PFW-L-1D with standard speed	Order No.	H62611	H62621	H62631	H62641	H62651	H62661

Double diameter drum

TYPE	PFW-L-2D	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	250	375	500	750	1,000	1,500
Rope diameter	mm	6	7	8	10	12	14
Rope length in 1st rope layer	m	20	20	20	19	18	17
Erw. je 100 mm verlängerte Trommel 1. Lage	approx. m	7	7	7	7	7	7
Rope speed in 1st rope layer	approx. m/min	18	19	15	22	15	9
Motor power	kW	1.8	2.2	2.2	3.5	3.5	3.5
Air pressure	bar	6	6	6	6	6	6
Air consumption	l/min	45	55	55	80	80	80
PFW-L-2D with standard speed	Order No.	H62711	H62721	H62731	H62741	H62751	H62761

Dimensions and weights

TYPE	PFW-L-1D/ PFW-L-2D	500	750	1000	1500	2000	3000
------	--------------------	-----	-----	------	------	------	------



L1	mm	890	980	1,050	1,110	1,210	1,275
L2	mm	460	460	500	500	570	570
B	mm	320	360	400	460	550	620
H	mm	330	410	460	540	620	680
LTR	mm	300	300	300	300	300	430
DTR	mm	80/160	92/185	106/210	130/260	155/310	186/350
DFL	mm	190	220	250	310	370	430
LB	mm	430	430	460	460	520	520
BB1	mm	250	310	350	410	500	560
BB2	mm	-	-	220	280	320	380
DB	mm	13.5	13.5	13.5	13.5	17.5	17.5
Weight without accessories	approx. kg	50	80	105	140	230	355

Ex II 2 GD c T4 135°C



PSW-L-1D
(image shows
options)

PNEUMATIC WINCH | PSW-L-SERIE

For pneumatic winch applications, demanding a modular and solid design, this range of explosion proof winches provides the solution.

The use of vane TYPE motors in combination with a self-braking worm gearbox ensures trouble free operation and low maintenance requirements without the need of an additional brake. These winches find their use in general industry, oil and gas exploration and in many places where compact, explosion proof hoisting gear is required. Because of the modular design of the PSW winch it can be delivered with advantageous delivery times.

Upon request faster or slower rope speeds are available.

Equipment:

- Self-braking worm gearbox
- Low maintenance vane air motor
- Steel drum (not grooved) with cable fixing point at flange
- Two drum supports
- Double layer 2 component conservation, colour RAL 5010

Available options:

- Manual disengaging clutch
- Grooved drum
- Drum pressure roller
- Alternative speeds

- Alternative drum dimensions / split drums / additional rope anchors / etc.
- Drum guard
- Marine / offshore coating systems
- Proportional control valve, local or remote
- Pneumatic limit switch
- Pneumatic slack wire switch

Basic design

TYPE	PSW-L-1D	250	500	750	1000	1500	2000
Lifting capacity in 1st rope layer	kg	250	500	750	1,000	1,500	2,000
Lifting capacity in 5th rope layer	kg	160	320	480	640	950	1,270
Rope diameter	mm	11	6	7	8	10	12
Rope length in 1st rope layer	m	75	11	11	10	10	9
Rope length in 5th rope layer	m	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
Rope speed in 1st rope layer	approx. m/min	8	8	8	8	8	8
Rope speed in 5th rope layer	approx. m/min	12	12	12	12	12	12
Air pressure	bar	6	5	6	6,5	6	5
Air consumption	l/min	35	45	80	90	120	190
PFW-L-1D with standard speed	Order No.	H64601	H64611	H64621	H64631	H64641	H64651

Basic design

TYPE	PSW-L-2D	250	500	750	1000	1500	2000
Lifting capacity in 1st rope layer	kg	125	250	375	500	750	1,000
Rope diameter	mm	5	6	7	8	10	12
Rope length in 1st rope layer	m	20	20	20	20	19	18
Erw. je 100 mm verlängerte Trommel 1. Lage	approx. m	7	7	7	7	7	7
Rope speed in 1st rope layer	approx. m/min	15	15	15	15	15	15
Air pressure	bar	6	5	6	6,5	6	5
Air consumption	l/min	35	45	80	90	120	190
PFW-L-2D with standard speed	Order No.	H64701	H64711	H64721	H64731	H64741	H64751

Dimensions and weights

TYPE	PSW-L-1D/ PSW-L-2D	500	500	750	1000	1500	2000
L1	mm	552	563	624	667	707	782
L2	mm	460	460	460	500	500	570
B	mm	270	320	360	400	460	550
H	mm	234	283	368	410	485	560
LTR	mm	300	300	300	300	300	300
DTR	mm	65/130	80/160	92/185	105/210	130/260	155/310
DFL	mm	155	190	220	250	310	370
LB	mm	430	430	430	460	520	520
BB1	mm	220	250	310	350	410	500
BB2	mm	-	-	-	220	280	320
DB	mm	13.5	13.5	13.5	13.5	13.5	17.5
Weight without accessories	approx. kg	35	50	88	120	172	250



TCN
9355EX

SPRING BALANCERS | **TCN**

PLANETA TCN-AX balancers have been specially developed for use in ATEX-classified zones and offer maximum safety where even the smallest sparks pose a risk. Depending on the model, they are suitable for almost all combustible vapours and gases – including propane, ethylene, acetylene and hydrogen (Group IIC) – as well as combustible dusts.

Balancers stand for ergonomics, precision and reliability. They must adapt flexibly to the user and every work situation. With the TCN-AX series, PLANETA goes one step further: these balancers accompany you safely even in highly hazardous environments, without compromising on ease of use or performance.

ATEX certification sets the highest standards: complete electrical conductivity, safe earthing and the use of spark-free materials. The PLANETA TCN-AX balancer line consistently meets these requirements – and exceeds them with well-thought-out design details and durable quality.

Thanks to their robust construction and reliable function, PLANETA TCN-AX balancers are ideal for:

- Oil and gas industry
- Oil platforms and refineries
- Chemical plants
- Tank cleaning applications
- Areas with flour or airborne combustible powders

Standard version

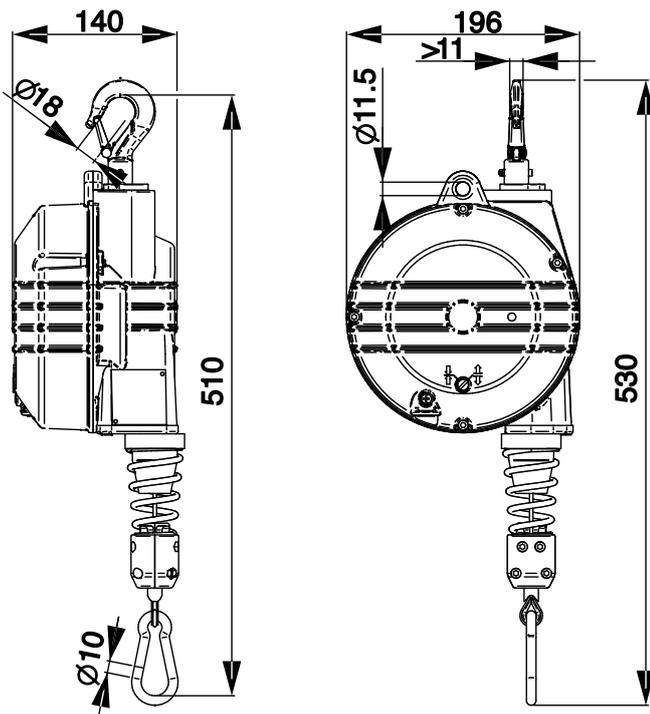
- Closed, ribbed construction made of high-quality aluminium alloy
- Stainless steel cable
- Precise adjustment of the load capacity range via endless screw
- Safety suspension
- Fall protection in case of spring breakage (from load capacity > 3 kg)
- Rotatable upper suspension with safety hook
- Locking device for securing and releasing the load at the desired height
- Adjustable extension limit
- Conical rotating drum with ball bearings
- Low-friction cable guide
- Rotating hook with ball bearings
- Powerful spring assembly

Ergonomics that impresses

The conical side drum ensures that the attached load almost floats when released. Thanks to the almost linear retraction force, the implement can be positioned and moved with minimal effort. This reduces strain on the operator, increases precision and boosts productivity in the long term.

Ex classifications

- Gas:  II 2G Ex h IIA T6 Gb (Modelle 9356AX – 9359AX)
- Gas:  II 2G Ex h IIB T6 Gb (Modelle 9354AX – 9355AX)
- Dust:  II 2D Ex h IIIC T85°C Db (Modelle 9354AX – 9359AX)



TCN 9354EX-9359EX

TYPE	Capacity in kg	Rope length m	Rope-Ø mm	Weight kg	Dimensions in mm						Order no.
					A	B	C	D	E	F	
9354EX	4 - 7	2	3	4.94	196	502	140	11	10	18	G30130
9355EX	7 - 10	2	3	5.3	196	502	140	11	10	18	G30131
9356EX	10 - 14	2	3	5.67	196	502	140	11	10	18	G30132
9357EX	14 - 18	2	3	6.26	196	502	140	11	10	18	G30133
9358EX	18 - 22	2	3	5.39	196	502	140	11	10	18	G30134
9359EX	22 - 25	2	3	6.53	196	502	140	11	10	18	G30135

Types of protection for non-electrical equipment in explosive atmospheres

Type of protection	Symbol	Standard
Constructional safety, "c"	h	EN ISO 80079-37
Control of ignition sources, "p"	h	EN ISO 80079-37
Liquid immersion, "k"	h	EN ISO 80079-37
Flameproof enclosures, "d"	h	EN 60079-1
Protection by enclosure, "t"	h	EN 60079-31
Pressurized enclosure, "p"	h	EN 60079-2

Equipment category 1:
Very high degree of safety -
Use in **zone 0/20** (permanent)
1/21 (occasionally)
2/22 (rare)

Equipment category 2:
High degree of safety -
Use in **zone 1/21** (occasionally)
2/22 (rare)

Equipment category 3:
Standard degree of safety -
Use in **zone 2/22** (rare)

Equipment group I:
Equipment intended for use in underground mining works and surface mining works that may be exposed to the hazard of firedamp and/or combustible dust.

Equipment group II:
Equipment for use outside mining which may be endangered by explosive dust and gas atmospheres.

Type of explosive atmosphere:
G = Mixture of air and gases, vapours or mists
D = Dust-air mixtures

Gas

Ex **II** **2** **G** **EX** **h** **IIC** **T 4** **Gb**

Ex **II** **2** **D** **EX** **h** **IIIC** **T 135 °C** **Db**

Dust

Group	Explosive gas atmospheres
IIA	Propane Ammonia Methane
IIB	Ethylene Ethyl Glycol Hydrogen sulphide
IIC	Hydrogen Acetylene Carbon disulphide

Equipment Protection Level EPL
EPL Ga/Da: Equipment with a very high level of protection (corresponds to the category 1G/1D)
EPL Gb/Db: Equipment with a high level of protection (corresponds to the category 2G/2D)
EPL Gc/Dc: Equipment with extended level of protection (corresponds to the category 3G/3D)

Explosive gas atmospheres:
Temperature class **Maximum surface temperature in °C**

T1	450
T2	300
T3	200
T4	135
T5	100
T6	85

Explosive dust atmospheres:
Indication of the maximum surface temperature e.g.: **T135 °C**.

Information from the regulations

PLANETA hoists and crane systems are manufactured in accordance with the applicable Machinery Directive 2006/42 EC and the applicable EN standards and technical regulations.

We supply every hoist and crane system with an EC declaration of conformity or an EC manufacturer's declaration. For load-bearing parts such as chains and hooks, you will also receive a factory certificate in accordance with EN 102014-2.2.

At the time of going to press, Germany has a dual occupational safety system consisting of government regulations (Industrial Safety Regulation) and the rules and regulations of the German Social Accident Insurance (DGUV):

- DGUV Regulation 52 (Cranes)
- DGUV Regulation 54 (Winches, Lifting and Pulling Equipment)
- BetriSichV

In accordance with these regulations and rules, hoisting equipment and crane systems must be inspected by qualified persons or inspection experts before commissioning and at regular intervals. The tables in BetriSichV Section 1 Cranes provide information on inspection responsibilities and inspection intervals. According to BetriSichv §3, the operator is obliged to prepare a risk analysis for each hoist and crane system, which specifies, among other things, the regular inspection intervals.

If necessary, we will be happy to assist you with the risk analysis.

If you use PLANETA hoists and crane systems in other countries, the regulations applicable in the respective country with regard to occupational safety must be observed.

PLANETA - Hebetchnik GmbH

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