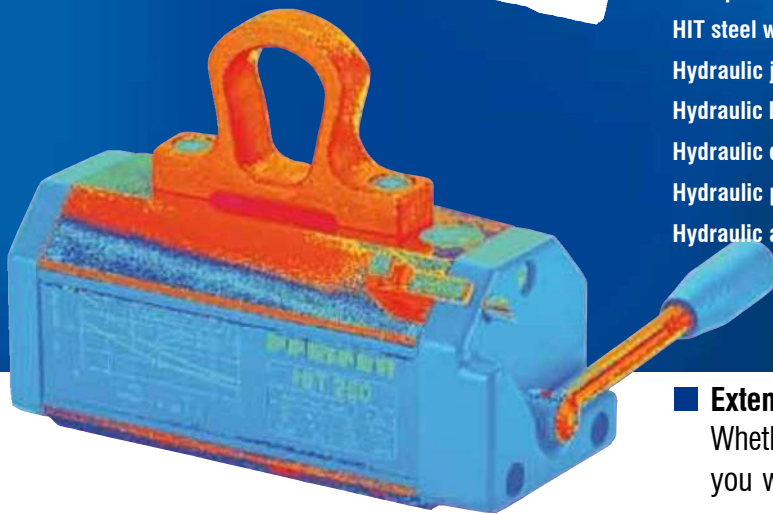


Transport and lifting devices



Weighing equipment	18
Load-lifting magnets	26
Chain hooks	30
Manual hoists (lever hoists and pulley blocks)	31
Manual hoists	
Explosion-proof	37
Electric chain hoists	39
Rope hoists	50
Rope pulleys	51
Wire rope traction hoists	52
Manual rope winches	55
Electric rope winches	57
HIT fork pallet trucks	58
Fork pallet truck	59
Transport rollers	62
HIT steel winches	66
Hydraulic jacks	67
Hydraulic bottle jacks	68
Hydraulic cylinders	69
Hydraulic pumps	72
Hydraulic accessories	73



■ Extensive range

Whether loads need to be weighed, lifted or moved, you will find a suitable product here.

■ Comprehensive testing and quality assurance

Guaranteed by means of rigorous product tests or in collaboration with suppliers who also take up the cause of quality.

■ Special solutions

Our application engineers will provide advice and assistance for the joint development of a cost-effective solution for requirements which cannot be met by the standard products.

■ All-inclusive service

We will provide support for all your needs – whether this is competent advice prior to purchase or through our inspection service afterwards.

Weighing equipment

PFEIFER Loadlink Plus Dynamometer

► Suitable for use as a crane scales or for measuring tensile forces

► Horizontal and vertical use possible!

Acoustic warning signal in case of overload
 Many units of measurement kg, t, kN, lbs
 80 hours continuous operation with one battery
 Uses a conventional 9V block battery
 Peak value memory, tare function
 up to 250 tonnes

3-year manufacturer's warranty!
Packed in a high-quality aluminium case
Calibration certificate included

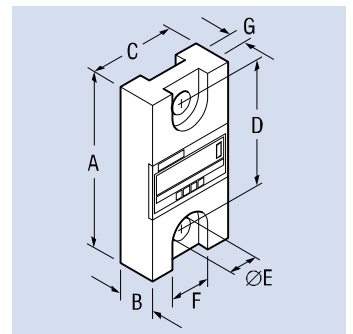
Ingeniously simple!



Type		PLL250KG	PLL500KG	PLL1T	PLL2T5	PLL5T	PLL12T	PLL25T	PLL50T	PLL100T	PLL200T	PLL250T
Measuring range	t	0.25	0.5	1	2.5	5	12	25	50	100	200	250
Resolution	kg	0.05	0.2	0.5	1	1	2	5	10	50	100	100
Units		kg, kN, lbs	t, kg, kN, lbs	t, kg, kN, lbs	t, kg, kN, lbs	t, kg, kN, lbs	t, kg, kN, lbs	t, kg, kN, lbs	t, kg, kN	t, kN	t, kN	t, kN
Dead weight	kg	1.5	1.5	1.5	1.5	2.2	3.5	5.2	10.9	37	80	80
Safety factor		50:1	25:1	12:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1
Protection class		IP65										
Battery type		9V block battery										
Battery lifetime		80 hours continuous operation										
Display type		25mm LCD										
Ambient temperature	°C	-10 – +50										
Accuracy		+/- 0.3 % of the suspended weight										
Dimension A	mm	204	204	204	204	249	305	340	424	608	690	690
Dimension B	mm	43	43	43	43	43	47	60	75	99	150	150
Dimension C	mm	101	101	101	101	101	101	110	163	255	305	305
Dimension D	mm	146	146	146	146	165	193	215	230	320	350	350
Dimension E	mm	24.5	24.5	24.5	24.5	38	47.5	55	76	108	125	125
Dimension F	mm	47.5	47.5	47.5	47.5	66	—	—	—	—	—	—
Dimension G	mm	19	19	19	19	32	—	—	—	—	—	—
Reference no.		217158	217159	217160	217161	217162	217164	217166	217167	217168	217169	217170

2 suitable shackles

Reference no.		218251	218251	218251	218251	218252	218253	218254	218255	on enquiry	on enquiry	on enquiry
---------------	--	--------	--------	--------	--------	--------	--------	--------	--------	------------	------------	------------



PFEIFER Radiolink Plus Remotely readable dynamometer



Simply comfortable!

- ▶ Suitable for use as a crane scales or for measuring tensile forces
- ▶ Horizontal and vertical use possible!
- ▶ Measured values are transmitted by radio to the read-out device, no bothersome cable, easy read-out of the values

Handy! Extremely small and light read-out device
 Overload indicator
 Battery monitoring of the measuring device and read-out device
 Range up to 100 m (less inside buildings)
 400 hours continuous operation with one battery
 Use of conventional 1.5V batteries
 Tare function
 up to 250 tonnes



Transportand lifting devices

3-year manufacturer's warranty!

Read-out device and calibration certificate included

Packed in a high-quality aluminium case

Type		PRLP250KG	PRLP500KG	PRLP1T	PRLP2T5	PRLP5T	PRLP12T	PRLP25T	PRLP50T	PRLP100T	PRLP200T	PRLP250T
Measuring range	t	0.25	0.5	1	2.5	5	12	25	50	100	200	250
Resolution	kg	0.05	0.1	0.5	1	1	2	5	10	50	100	100
Units		t	t	t	t	t	t	t	t	t	t	t
Dead weight	kg	1.5	1.5	1.5	1.5	2.2	3.5	5.2	10.9	37	80	80
Safety factor		50:1	25:1	12:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1
Protection class		IP65										
Battery type		4 x AA 1.5V										
Battery lifetime		400 hours continuous operation										
Display type		8.8mm LCD										
Ambient temperature	°C	-10 – +50										
Accuracy		+/- 0.3 % of the suspended weight										
Dimension A	mm	204	204	204	204	249	305	340	424	608	690	690
Dimension B	mm	43	43	43	43	43	47	60	75	99	150	150
Dimension C	mm	101	101	101	101	101	110	110	163	255	305	305
Dimension D	mm	146	146	146	146	165	193	215	230	320	350	350
Dimension E	mm	24.5	24.5	24.5	24.5	38	47.5	55	76	108	125	125
Dimension F	mm	47.5	47.5	47.5	47.5	66	—	—	—	—	—	—
Dimension G	mm	19	19	19	19	32	—	—	—	—	—	—
Reference no.		217171	217172	217173	217174	217175	217177	217179	217180	217181	217182	217183

2 suitable shackles

Reference no.		218251	218251	218251	218251	218252	218253	218254	218255	on enquiry	on enquiry	on enquiry

Other units of measurement on enquiry.

NEW: The PFEIFER-plus crane scales series – plus points with PFEIFER

We offer you:

- + **Trust** – 3-year manufacturer's warranty! We are sure!
- + **Optimum price** – performance ratio
- + **Long service life** – devices protected against dampness and dust - protection class IP65 - solid housing (aluminium, sheet steel)
- + **Handling** – extremely compact design, low dead weight.
- + **Easy to use** – switch on, weigh, done.
- + **Safety** – integrated overload protection in all devices (a warning signal sounds on overloading)
- + **Reliability** – maximum accuracy +/- 0.3 % of the suspended weight
- + **Flexibility** – versatile in use, compact and light, many units of measurement can be set
- + **Selection** – the right device for every application
- + **Advice** – we advise you before and after the purchase. Our extensive network of technical advisors and our inspection service will be only too pleased to help!

= 10 plus points for our customers!

PFEIFER Multi Plus

Up to 12 remote-readable dynamometers on one read-out device!



new!

- ▶ Up to 12 dynamometers can be connected to one handheld device
- ▶ Displays all individual values or the total value of all connected dynamometers
- ▶ Optional thermal printer can be supplied. By pressing a button, the individual values and the total value are sent wirelessly to the printer
- ▶ Individual! Choose the system configuration yourself
- ▶ Plug & Play – the required system is supplied already configured
- ▶ No troublesome cables – wireless connection (2.4 GHz) between dynamometers, read-out devices and optional printer

Handy! Extremely small and light read-out device

Range up to 100 m (less inside buildings)

Use of conventional 1.5V batteries

Caution: The following table relates only to the dynamometer! Please order the read-out device and optional printer separately!

Caution: Please order dynamometers, read-out devices and optional printers separately!



Type		RLPM250KG	RLPM500KG	RLPM1T	RLPM2T5	RLPM5T	RLPM12T	RLPM25T	RLPM50T	RLPM100T	RLPM200T	RLPM250T
Measuring range	t	0.25	0.5	1	2.5	5	12	25	50	100	200	250
Resolution	kg	0.05	0.1	0.5	1	1	2	5	10	50	100	100
Units		t	t	t	t	t	t	t	t	t	t	t
Dead weight	kg	1.5	1.5	1.5	1.5	2.2	3.5	5.2	10.9	37	80	80
Safety factor		50:1	25:1	12:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1
Protection class		IP65										
Ambient temperature	°C	-10 – +50										
Accuracy		+/- 0.3 % of the suspended weight										
Dimension A	mm	204	204	204	204	249	305	340	424	608	690	690
Dimension B	mm	43	43	43	43	43	47	60	75	99	150	150
Dimension C	mm	101	101	101	101	101	110	110	163	255	305	305
Dimension D	mm	146	146	146	146	165	193	215	230	320	350	350
Dimension E	mm	24.5	24.5	24.5	24.5	38	47.5	55	76	108	125	125
Dimension F	mm	47.5	47.5	47.5	47.5	66	—	—	—	—	—	—
Dimension G	mm	19	19	19	19	32	—	—	—	—	—	—
Reference no.		241705	241706	241707	241708	241709	241710	241711	241712	241713	241714	241715
2 suitable shackles												
Reference no.		218251	218251	218251	218251	218252	218253	218254	218255	on enquiry	on enquiry	on enquiry

3-year manufacturer's warranty!

Packed in a high-quality aluminium case

PFEIFER Multi Plus read-out device

Reference no.
241717



PFEIFER Multi Plus wireless thermal printer

Complete with paper roll (57 mm wide) and power supply unit

Reference no.
241718



PFEIFER Wirelink Plus

Dynamometer with wired remote read-out device



- ▶ No batteries in the measuring device – can be fitted even in inaccessible locations
- ▶ Attractive price/performance ratio
- ▶ Suitable for use as a crane scales or for measuring tensile forces
- ▶ Horizontal and vertical use possible!

Acoustic warning signal in case of overload
 Many units of measurement kg, t, kN, lbs
 80 hours continuous operation with one battery
 Uses a conventional 9V block battery
 Peak value memory, tare function
 up to 250 tonnes



Transport and lifting devices

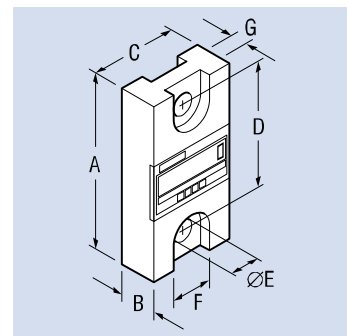
3-year manufacturer's warranty!
Read-out device and calibration certificate included

Complete with 10 m cable
Packed in a high-quality aluminium case

Type		WLP250KG	WLP500KG	WLP1T	WLP2T5	WLP5T	WLP12T	WLP25T	WLP50T	WLP100T	WLP200T	WLP250T
Measuring range	t	0.25	0.5	1	2.5	5	12	25	50	100	200	250
Resolution	kg	0.05	0.1	0.5	1	1	2	5	10	50	100	100
Dead weight	kg	1.5	1.5	1.5	1.5	2.2	3.5	5.2	10.9	37	80	80
Safety factor		50:1	25:1	12:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1
Protection class		IP65										
Battery type		9V block battery (only in the handheld device)										
Battery lifetime		80 hours continuous operation										
Display type		25 mm LCD										
Ambient temperature	°C	-10 – +50										
Accuracy		+/- 0.3 % of the suspended weight										
Dimension A	mm	204	204	204	204	249	305	340	400	608	690	690
Dimension B	mm	43	43	43	43	43	47	60	75	99	150	150
Dimension C	mm	101	101	101	101	101	101	110	151	255	305	305
Dimension D	mm	146	146	146	146	165	193	215	230	320	350	350
Dimension E	mm	24.5	24.5	24.5	24.5	38	47.5	55	66	108	125	125
Dimension F	mm	47.5	47.5	47.5	47.5	66	—	—	—	—	—	—
Dimension G	mm	19	19	19	19	32	—	—	—	—	—	—
Reference no.		225746	225747	225748	225749	225750	225751	225752	225753	225754	225755	225756

2 suitable shackles

Reference no.		218251	218251	218251	218251	218252	218253	218254	218255	on enquiry	on enquiry	on enquiry
---------------	--	--------	--------	--------	--------	--------	--------	--------	--------	------------	------------	------------



On enquiry:
 Signal outputs for connection to PLCs and other controllers (0 – 10V, 4 – 20 mA, etc.)

PFEIFER Compact Plus The mini crane scales



- ▶ **Extremely compact crane scales, optimally usable everywhere**
- ▶ **Lightweight! A 1 tonne weigher weighs only 1.5 kg!**

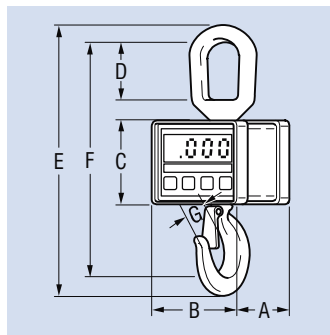


Acoustic warning signal in case of overload
Many units of measurement kg, t, kN, lbs
80 hours continuous operation with one battery
Uses a conventional 9V block battery
Peak value memory, tare function

3-year manufacturer's warranty!
Packed in a high-quality aluminium case
Calibration certificate included

Crane scales serve to determine the weight of a load.
As every experienced user knows, the dead weight of a scales plays a significant part, in particular in applications where the scales must be hooked on or off frequently. In addition, the quality must be high, especially in such cases, since the scales is strongly strained and used frequently.
Many models available on the market impress with their price, but have an impracticable dead weight that is several times higher. Apart from the weight, the seemingly inexpensive price also affects the stability and quality of the product.

Not the new Compact Plus from Pfeifer! It is so light and small that it can be taken anywhere and can be handled without effort. Quality with safety – 3-year manufacturers warranty!



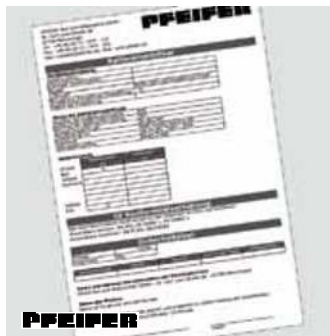
Type		PCP1T	PCP2T	PCP5T
Measuring range	t	1	2	5
Resolution	kg	0.5	1	1
Dead weight	kg	1.5	3.1	8.7
Safety factor		5:1	5:1	5:1
Protection class		IP65		
Battery type		9V block battery		
Battery lifetime		80 hours continuous operation		
Display type		25mm LCD		
Ambient temperature	°C	-10 – +50		
Accuracy		+/- 0.3 % of the suspended weight		
Dimension A	mm	82	117	136
Dimension B	mm	113	112	112
Dimension C	mm	81	92	92
Dimension D	mm	50	64	98
Dimension E	mm	240	320	444
Dimension F	mm	208	271	365
Dimension G	mm	22	28	42
Reference no.		217184	217185	217186



We supply all devices from the PFEIFER plus crane scales series in a high-quality aluminium case!

A calibration certificate is attached to each device, from which the individual measuring accuracy can be discerned.

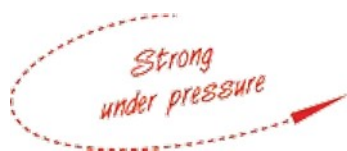
3-year manufacturer's warranty on all PFEIFER plus scales!



PFEIFER Loadblock Plus Compression load cell with digital display



- ▶ For measuring the weight of objects – just place it under the load
- ▶ Used, for example, to measure the weight of machines before relocating them with transport rollers. Overloading of the chassis is avoided.



Simple! – Weight display directly on the device
TOP handling! – Extremely small and light!
Acoustic warning signal in case of overload
Many units of measurement kg, t, kN, lbs
Uses a conventional 9V block battery

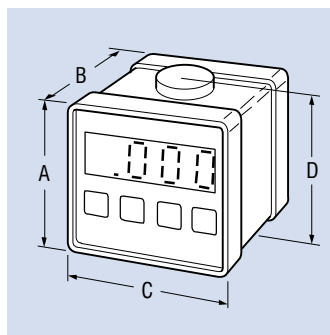
3-year manufacturer's warranty!
Packed in a high-quality aluminium case
Calibration certificate included

Before relocating machines or other heavy objects by means of transport devices, it is frequently necessary to determine the weight of the part to be moved. In particular in the case of objects that have an uneven weight distribution, it is important to determine the load acting, for example, on the transport roller at the appropriate point before it is loaded.

If this is not done, there is a danger of overloading and thus a defect of the transport roller and, under certain circumstances, also the object being transported.

A good solution to this is a compression load cell. Before loading the transport device, the Loadblock Plus is pushed under the object. The weight is measured by the pressure of the object on the load cell standing on the floor and is shown on the display.

The total weight can be determined if the object is placed completely on 3 or 4 load cells, for example. In this case all values are added; the sum is the total weight.



Type		PLBP200	PLBP500	PLBP1000	PLBP2000	PLBP5000
Measuring range	t	0.2	0.5	1	2	5
Resolution	kg	0.1	1	1	1	2
Dead weight	kg	0.9	0.9	0.9	1.5	3.5
Safety factor		4:1	5:1	5:1	5:1	5:1
Protection class		IP65				
Battery type		9V block battery				
Battery lifetime		50 hours continuous operation				
Display type		25mm LCD				
Ambient temperature	°C	-10 – +50				
Accuracy		+/- 0.3 % of the suspended weight				
Dimension A	mm	81	81	81	92	92
Dimension B	mm	81	81	81	117	136
Dimension C	mm	103	103	103	112	112
Dimension D	mm	90	90	90	104	115
Reference no.		217187	217188	217189	217190	217191



Transport and lifting devices

PFEIFER Handheld Plus – wired remote read-out device
Compatible with Loadlink Plus, Compact Plus and Loadblock Plus



new!

- ▶ Measured values can be read easily and reliably
- ▶ Compact and light – weighs only 1 kg. Ergonomic handle
- ▶ Easy to upgrade – no calibration required
- ▶ Can be operated at the handheld device and the measuring device
- ▶ Plug & Play! Plug in – switch on – weigh

3-year manufacturer's warranty!
 Packed in a high-quality aluminium case
 Complete with 10 or 20m cable



Type		HHP-LLP/10	HHP-LLP/20
Cable length	m	10	20
Reference no.		225721	225722

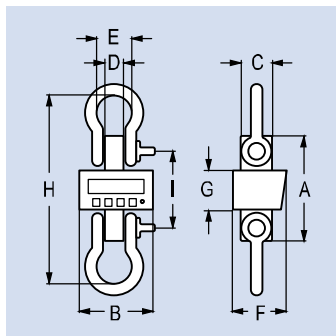
Caution: Not compatible with Wirelink Plus!
 For other cable lengths, please consult Pfeifer!

Crane scales



Light, reliable crane scales for in-plant use

Three-range implementation enables the highest possible accuracy even with low weights (adapted scale divisions)
 LCD display, height 25 mm
 Accuracy 0.03% of full scale reading
 Moisture-protected keypad with 4 keys:
 ON/OFF zero / automatic tare subtraction, F1, F2
 Configurable function, optionally as PEAK (peak value) or HOLD (hold function)
 Infrared remote control: configurable as automatic tare subtraction or 4-key remote keypad
 Digital calibration, programmable directly with sample weight via keypad
 Automatic power-off programmable
 Max. permissible overload: 200% of full scale reading max. overload protection: 500 % of full scale reading
 Alkaline 9 V battery (not rechargeable) in pull-out compartment for easy replacement; continuous operation approx. 35 hrs. (with power-saving circuit up to 3 months)
 Temperature range -10 °C to +40 °C
 Transport case (41 x 26 x 24 cm)



Weighing range kg	Scale division kg	Dead weight	Dimensions in mm									Reference no.
			A	B	C	D	E	F	G	H	I	
1500/3000/6000	0.5/1.0/2.0	10.0	214	171	59	33	58	125	94	353	158	197922
3000/6000/9500	1.0/2.0/5.0	11.5	241	171	64	46	75	125	94	419	171	197923

Load display

Hydraulic, maintenance-free measuring system
Sturdy, with stable cast housing
Accuracy approx. 1% FSR.
Operating temperature range
-20 °C to +60 °C
Easily legible scales due to 12mm high numbers
Zero taring
Rubber collar safety device

CE

PFEIFER



Transport and lifting devices

Weighing range kg	Scale division kg steps	Length mm	Dead weight kg	Reference no.
0-1250	5	230	5.0	156140
0-2000	10	230	5.0	156141
0-3200	20	280	5.5	156142
0-5000	20	300	6.5	156143

PFEIFER Weighing

Calibration and repair service

Long waiting times? Not at Pfeifer!

Fast service for all our products is guaranteed. We will take care of the annual calibration of your dynamometers and crane weighers at our head office in Memmingen

- **fast**
- **reliably**
- **professionally**

We will also undertake any repairs which are due on PFEIFER-plus devices quickly and without fuss at our head office in Memmingen.

Just give us a call
Phone + 49 (0)8331/937-377



Load-lifting magnets

HIT permanent load lifting magnet The high-grade standard!

- ▶ Top handling – compact dimensions and low dead weight
- ▶ Only small sheet thicknesses required
- ▶ Safe – 2-hand operation is required to release the magnet
- ▶ Guaranteed compliance with a safety factor of 3
- ▶ High-quality European devices

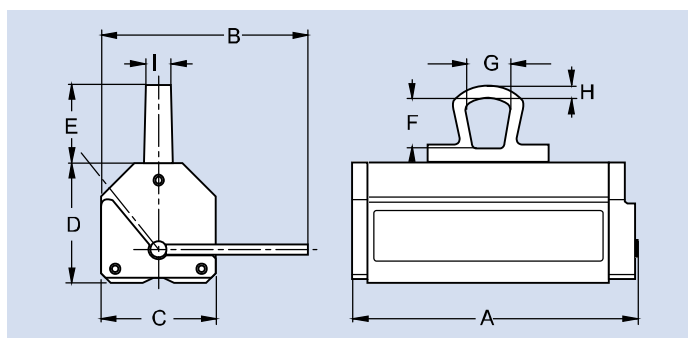
Suitable for both flat and round material
Operating temperature range: -10 to +60 °C

CE

new!



Flat material		Round or tubular material				Dimensions in mm										Weight	Reference no.
WLL	required minimum sheet metal thickness	WLL	for pipe diameters from – to	min. wall thickness	max. load length	A	B	C	D	E	F	G	H	I	kg		
kg	mm	kg	mm	mm	mm												
125	20	50	40–300	10	1000	121	185	79	79	106	53	32	13	13	3.7	239929	
250	20	100	40–300	10	1500	189	185	79	79	63	35	43	11	14	6.0	239930	
500	25	200	60–400	15	2000	249	235	106	101	88	52	60	13	22	15.0	239931	
1000	40	400	100–450	25	3000	342	316	133	131	88	52	60	13	22	36.0	239932	
1500	45	600	120–500	30	3000	383	457	166	171	122	64	87	18	30	66.0	239933	
2000	55	800	150–600	35	3000	457	457	166	171	122	64	87	20	30	80.0	239934	



HIT permanent load-lifting magnet, type DB

Particularly suitable for extremely thin sheets



new!

- ▶ Safe and reliable, even with extremely thin sheets and thin-walled tubes
- ▶ Top handling – compact dimensions and low dead weight
- ▶ Only small sheet thicknesses required
- ▶ Safe – 2-hand operation is required to release the magnet
- ▶ Guaranteed compliance with a safety factor of 3
- ▶ High-quality European devices

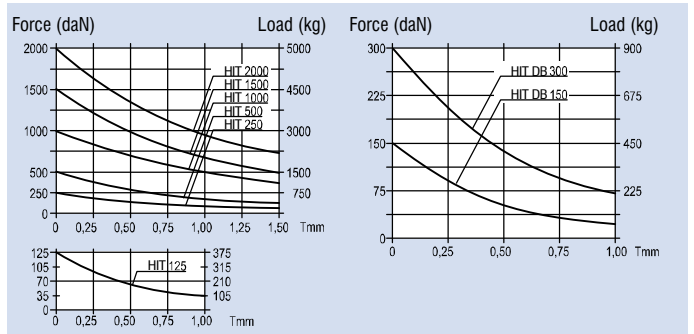
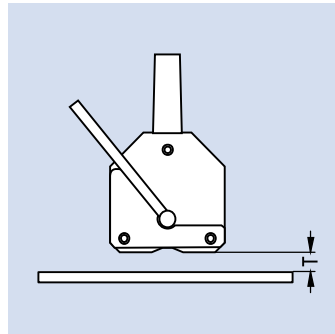
Suitable for both flat and round material
 Can be used from 4 mm sheet thickness at about 50% of the working load limit
 Operating temperature range: -10 to +60 °C



Transport and lifting devices

Flat material		Round or tubular material				Dimensions in mm										Weight kg	Reference no.
WLL kg	required minimum sheet metal thickness mm	WLL kg	for pipe diameters from – to mm	min. wall thickness mm	max. load length mm	A	B	C	D	E	F	G	H	I			
150	8	60	40–240	8	1500	189	185	79	79	63	35	43	11	14	6	239935	
300	10	1200	60–290	10	2000	250	235	106	101	88	52	60	13	22	16	239936	

Characteristic curves – force/load-air gap



HIT-NEO permanent load lifting magnet

Extremely suitable with long loads and round material!



new!

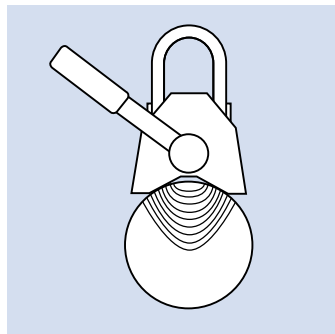
Extremely sturdy, welded design!

- ▶ High WLLs, also for round material due to pole point with deep prism
- ▶ Sturdy, fully welded design with solid handle for "tough" operations
- ▶ Suitable for taking up especially long loads
- ▶ Unlocking and loosening possible with one hand
- ▶ Safety factor 3.2
- ▶ Supplied with individual test certificate
- ▶ High-quality European devices

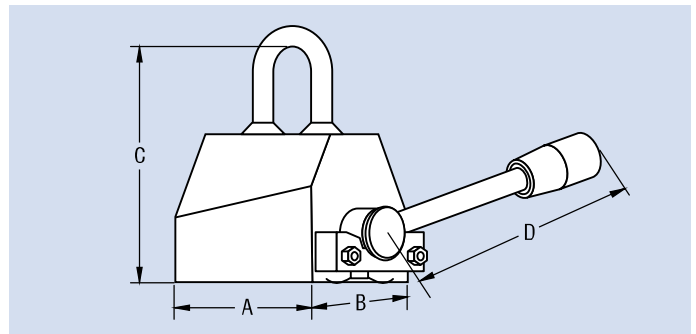
Operating temperature range -10 to +80 °C



Flat material		Round or tubular material			max. load length	Dimensions in mm				Weight	Reference no.
WLL	required minimum sheet metal thickness	WLL	for pipe diameters from - to	min. wall thickness		A	B	C	D		
kg	mm	kg	mm	mm	mm					kg	
125	20	60	50-100	10	2500	93	60	110	137	2.6	245565
250	25	125	60-200	15	3500	152	101	164	186	10.0	245566
500	30	250	65-270	15	4000	246	121	164	186	20.0	245567
1000	40	500	100-300	20	4500	305	147	217	248	40.0	245568
1500	60	750	150-350	25	4500	373	165	254	338	82.0	245569
2000	60	1000	150-350	30	5000	480	165	254	419	90.0	245570



Due to the deep prism in the pole piece the round material is taken up safely.



WLL Chart HIT-NEO (L=length of load, W=width of load)

HIT-NEO 125	Air Gap < 0.1 mm		Air Gap 0.1-0.3 mm		Air Gap 0.3-0.5 mm		HIT-NEO 250	Air Gap < 0.1 mm		Air Gap 0.1-0.3 mm		Air Gap 0.3-0.5 mm				
	Material thickness mm	Max. L mm	Max. WLL kg	Max. L mm	Max. WLL kg	Max. L mm		Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg		
>=20	1500	125	1250	75	1000	60	>=25	2250	1000	250	2000	1000	170	1500	1000	105
>=15	1500	115	1250	70	1000	55	>=15	2250	1000	205	2000	1000	150	1500	1000	90
>=10	1250	110	1000	65	750	50	>=10	2250	1000	170	2000	1000	130	1500	1000	85
>=4	800	45	600	40	500	30	>=6	1750	1000	100	1500	1000	80	1350	1000	60
>=2	500	15	400	13	400	12	>=4	1600	1000	50	1400	1000	45	1000	1000	36
Ø 50-100mm	2500	60	2500	40	2500	25	Ø 50-200mm	3500	-	125	3000	-	100	2500	-	70

HIT-NEO 500	Air Gap < 0.1 mm			Air Gap 0.1-0.3 mm			Air Gap 0.3-0.5 mm			HIT-NEO 1000	Air Gap < 0.1 mm			Air Gap 0.1-0.3 mm			Air Gap 0.3-0.5 mm		
	Material thickness mm	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm		Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm
>=30	2500	1500	500	2350	1250	380	2150	1000	255	>=40	3000	1500	1000	3000	1500	845	2500	1250	650
>=20	2500	1500	425	2350	1250	320	2150	1000	220	>=30	3000	1500	860	3000	1500	730	2500	1250	565
>=15	2500	1500	400	2350	1250	300	2150	1000	205	>=25	3000	1500	830	3000	1500	705	2500	1250	550
>=10	2500	1500	270	2350	1250	220	2150	1000	165	>=20	3000	1500	745	3000	1500	640	2500	1250	510
>=8	2300	1500	195	2250	1250	160	2000	1000	125	>=15	3000	1500	500	3000	1500	445	2500	1250	380
>=6	2000	1500	125	2000	1250	100	2000	1000	80	>=10	2750	1500	285	2500	1500	240	2000	1250	200
Ø 65-270mm	4000	-	250	3500	-	200	3000	-	150	Ø 100-300mm	4500	-	500	4000	-	400	3500	-	300

WLL chart HIT-NEO – continuation

HIT-NEO 1500	Air Gap < 0.1 mm			Air Gap 0.1–0.3 mm			Air Gap 0.3–0.5 mm		
	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg
>=60	3500	2000	1500	3500	2000	1240	2500	2000	975
>=50	3500	2000	1300	3500	2000	1100	2500	2000	880
>=30	3500	1500	1000	3500	1500	860	2500	1500	750
>=20	3000	1500	825	3000	1500	750	2500	1500	675
>=15	3000	1500	480	3000	1500	450	2500	1500	410
Ø 150–350 mm	4500	–	750	4000	–	675	3500	–	600

HIT-NEO 2000	Air Gap < 0.1 mm			Air Gap 0.1–0.3 mm			Air Gap 0.3–0.5 mm		
	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg	Max. L mm	Max. W mm	Max. WLL kg
>=60	3500	2000	2000	3500	2000	1650	3000	1500	1300
>=50	3500	2000	1600	3500	2000	1300	3000	1500	1100
>=30	3500	2000	1350	3500	2000	1150	2500	1500	1000
>=20	3000	2000	1100	3000	1500	1000	2500	1500	900
>=15	3000	1500	650	3000	1500	600	2000	1500	550
Ø 150–350 mm	5000	–	1000	4500	–	900	4000	–	800

Permanent magnet transporter



For manual operation: Model SH 12/4 (not suitable for crane operation)

For manual and crane operation: Model SH 35 K

Easy handling of sheet steel and laminar steel parts in the production plant, flame cutting plant, sheet metal warehouse etc.

The full adhesive force is reached on smooth, also untreated surfaces

Oil and fat hardly impair the adhesive force at all

Removal of the magnet transporter from the load using a free-moving, mechanical pressing device

Temperature range up to 80 °C

Type		SH 12/4	SH 35 K
Holding surface	mm	133 x 106	190 x 110
Lifting capacity (SF:3)	kg	90	250
Tractive force	kg	50	110
Sheet metal thickness	mm	from 1.0	from 3.0
Weight	kg	1.5	4
Reference no.		114592	114593



Left: Permanent magnet with vertical loading device for lifting and swivelling flat material by 90° on enquiry



Centre: Load lifting magnets with battery and infrared remote control on enquiry



Right: Magnetic cross-beam for HIT & BUX magnets on enquiry



Transport and lifting devices

Pipe hooks

PFEIFER pipe hook with impact protection

Type PPHC for sensitive pipes

- ▶ Careful handling of pipes without damaging the ends of the pipe
- ▶ Optimum handling due to ergonomic arrangement of the handle
- ▶ Maximum service life, since the impact cheeks are replaceable
- ▶ BGR test is not a problem, because the opening width of the hook is measurable thanks to a punch mark
- ▶ Serial number and working load limit can be read off from the handle and are undetachable

The soft, extremely well-adhering coating as well as the plastic impact cheeks enable the careful handling of pipes, whose ends have been machined precisely.
Example: Pipelines

The pipe hooks are attached in two-line suspension by means of shackles.
In order to attach the pipe, one pipe hook is fastened at each end of the pipe.

**Dimensions of the required shackle: Eyebolt diameter max. 27.5mm;
clearance width of the shackle min. 33mm
Maximum pipe wall thickness 43mm**

WLL kg	Reference no.
6700	212044

PFEIFER pipe hooks

Type PPH for standard applications in the factory

- ▶ Optimum handling due to ergonomic arrangement of the handle
- ▶ BGR test is not a problem, because the opening width of the hook is measurable thanks to a punch mark
- ▶ Serial number and working load limit can be read off from the handle and are undetachable

These pipe hooks are used for the in-plant handling of pipes where the ends of the pipe do not require special protection.

The pipe hooks are attached in two-line suspension by means of shackles.
In order to attach the pipe, one pipe hook is fastened at each end of the pipe.

**Dimensions of the required shackle: Eyebolt diameter max. 27.5mm;
clearance width of the shackle min. 33mm
Maximum pipe wall thickness 43mm**

WLL kg	Reference no.
6700	212043



PFEIFER pipe hooks in use for the handling of sensitive pipes. Impact protection and coating reliably prevent damage to the ends of the pipe.

Manual hoists (lever hoists and pulley blocks)



Which is the correct one? It all depends on the application!

The relevant questions are:

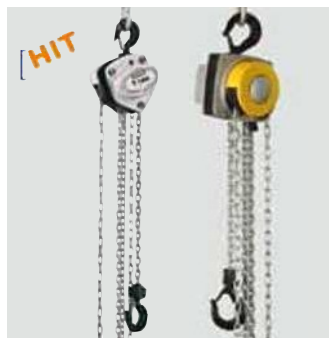
- Level of mechanical stress on the chain hoist
- Ambient conditions (humidity, dust, explosive environment, effects of weather)
- Other influences (e. g. vibration, oscillation, short-term relief)
- Dimensional requirements for the chain hoist
- Stroke per lever movement or per meter of hand chain?
- Dead weight

Now with full protection programme!

new!

HIT CHROME hoists
100% tested before dispatch
in Germany from PFEIFER

Consider the following when making the selection:



Standard application?

For standard applications the chrome HIT lever hoists and pulley blocks are the best choice. But what counts as a standard? A standard can be defined as:

- no excessive exposure to moisture and dust.
- no extreme mechanical stresses (impacts and shocks)
- no explosion protection required.

Sheet steel vs. cast devices?

For lever hoists a distinction is made between devices made of sheet steel and those which are cast. Sheet steel devices are generally lighter and cheaper. Cast devices have a higher stability and longer lifetime.

Load chain?

Appreciate the value of a lifting chain made in Europe. We have detected considerable safety deficiencies in some chains from the Far East. Our chain hoists always use chains from Europe.

Not much space?

When space is limited (installation in inaccessible locations), then the dimensions are of utmost importance. For these applications we suggest the lever hoist P07 and 360° pulley block, devices with the smallest dimensions and at the same time reduced manual force.

Dead weight?

The dead weight is of particular importance when the device has to be lifted as well. The lever hoists made from sheet steel have the edge here. The extremely sturdy malleable cast iron device P95 is only marginally heavier.

Moisture and dust?

Devices made from sheet steel have an open chain path. Moisture and dust can therefore get into the brake or the gear mechanism through holes for bolts etc. This does not adversely affect the device either outside or inside during normal use. Devices which are frequently exposed to considerable moisture (e. g. rain) or dust and dirt should be sealed accordingly. In such cases the most suitable lever hoists are the P95, P85 and AL devices as these have a closed chain path. The best pulley block is the 360° type, also with a closed chain path.

Frequent use or large lifting height?

With frequent use or a large lifting height, the lift for each lever rotation for lever hoists or per meter movement of the hand chain for pulley

blocks plays an important role. This turns out to be relatively small due to the gear ratio in the gear mechanism. Check the suitability of the relevant device for your application in the technical data.

Mechanical strain?

The hoist will be under more or less strain depending on the application. The so-called sheet steel devices are ideal for standard applications. For lever hoists subject to higher stresses e.g. impacts or shocks, it is best to use devices made of malleable cast iron (e.g. P95 and P85). Although the purchase costs are higher at the outset, these hoists are actually considerably more economical calculated over the lifetime of the device. The aluminium lever hoist made from cast aluminium offers an optimum price-stability ratio.

Please note that all parameters
are always to be seen in
connection with one another!

In the following we offer you a selection of manual hoists, in which we already offer devices as a standard according to application.

We will be only too pleased to assist you in selecting the optimum hoist for your application! Just contact us!

Talk to your sales advisor or give us a call on:

+49 (0) 8331-937-112 – We look forward to hearing from you.

HIT Chrome lever hoists

Top quality for all-round use!

CE

- ▶ Optimum corrosion protection thanks to chrome plated, closed sheet-steel housing and galvanised inner plates
- ▶ Proven quality – 100% tested before shipment in the Pfeifer headquarters, Memmingen
- ▶ European, high-tensile, galvanised load chain according to EN
- ▶ Low hand force due to optimum gear ratio and high-quality steel plain bearings
- ▶ Top price-performance ratio!

100% tested before dispatch in Germany

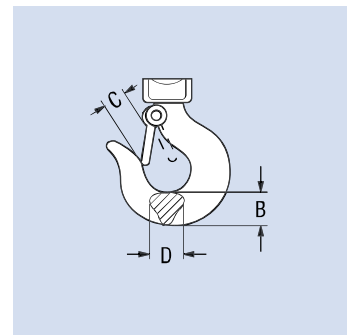
Usable from –25 °C to +40 °C

360° swivelling hooks

Can be used anywhere for lifting, pulling, tensioning and lashing!

WLL	kg	750	1500	3000	6000
Number of chain legs	Piece	1	1	1	2
Lever pressure at full load	kg	14	22	32	34
Stroke for each lever rotation	mm	20	21	17	8
Overall height of hook from inner edge to inner edge	mm	325	380	480	620
Hook dimension, mm	B	20.5	28	44	53
Hook dimension, mm	C	30	36	40	50
Hook dimension, mm	D	15	19	28	34
Weight with 1.5 m stroke	kg	7	11	21	31
Reference no. with 1.5 m stroke		218953	218954	218955	218956
Reference no. with 3 m stroke		218957	218958	218959	218960

Additional lifting heights on enquiry!



The compact one – P07 lever hoist

Compact, with low hand force – ideal for assembly works!

CE

- ▶ Pleasant handling due to extremely compact dimensions, reduced lever force and low dead weight! You will be surprised!
- ▶ Virtually wear-free brake, hence less maintenance costs, higher safety!
- ▶ Maximum service life due to closed bearings, specially adapted lifting chain and extremely robust housing!
- ▶ Compact dimensions enable it to be used in tight spaces.
- ▶ High-quality European lifting chain according to EN

The compact version!

360° swivelling hooks

Forged hook safety latches

WLL	kg	800	1600	2500	3200	6000	9000
Number of chain legs	Piece	1	1	1	1	2	3
Load chain	mm	5.6×15.8	7.1×20.1	9×24.8	10×28.1	10×28.1	10×28.1
Smallest hook dimensions	mm	280	335	375	395	540	680
Lever force	kg	29	36	34	37	38	39
Weight with 1.5 m stroke	kg	5.7	8	11.2	15	26	40
Reference no. with 1.5 m stroke		217225	217226	217227	217228	217229	217230
Reference no. with 3 m stroke		217231	217232	217233	217234	217235	217236

Other lifting heights on enquiry!



The mini – XXS lever hoist

Small and light – fits in every toolbox!

CE

- ▶ Affordable mini lever hoist for light assembly work
- ▶ Fits in every toolbox
- ▶ High-quality European lifting chain according to EN
- ▶ Sturdy sheet-steel casing

The mini version!

This mini lever hoist is so small and light that it can be taken anywhere. Whether for machine maintenance or other light-duty applications, this mini is ideal!

Operating temperature range: -25 °C to +40 °C

WLL	kg	250
Overall height of hook from inner edge to inner edge	mm	230
Lever pressure at full load	mm	25
Lift for each lever rotation	mm	72
Weight with 1.5m lift	kg	2
Reference no. with 1.5m stroke		160246
Reference no. with 3m stroke		191817



The robust one – AL lever hoist

The perfect combination – Top in stability, weight and cost!

CE

- ▶ Long-lasting because it is not susceptible to moisture and dust thanks to the closed chain path
- ▶ Extremely robust and corrosion-resistant due to the cast aluminium housing
- ▶ Cannot twist or bend – even suitable for heavy-duty applications
- ▶ Attractive price/performance ratio
- ▶ Compact dimensions
- ▶ High-quality European lifting chain according to EN

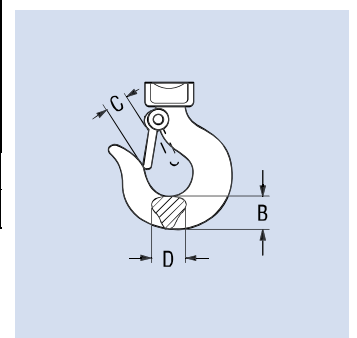
The aluminium one

High stability at a fair price

Cast aluminium housing – does not bend or twist. So this hoist is suitable for heavy-duty applications!

Operating temperature range: -25 °C to +40 °C

WLL	kg	750	1000	1500	3000
Number of chain legs	Piece	1	1	1	1
Overall height of hook from inner edge to inner edge	mm	315	325	380	455
Lift for each lever rotation	mm	30.8	30.8	16.4	14.8
Lever pressure at nominal load	daN	16.8	22.4	18.7	28
Hook dimension, mm	B	20	23	27	36
Hook dimension, mm	C	22	23	26	33
Hook dimension, mm	D	14	16	20	24
Weight with 1.5m lift	kg	6.4	6.6	10	18
Reference no. with 1.5m stroke		115136	115139	115142	115147
Reference no. with 3m stroke		238978	238979	227284	210758



Indestructible – P95 lever hoist, malleable cast iron

Maximum stability and extremely low dead weight!

CE

The extremely robust one

Working load limit up to 3,000 kg

- ▶ Extremely light, scarcely any heavier than a unit with sheet-metal casing
- ▶ Ultra-robust due to the malleable cast iron housing – bending or twisting is not possible
- ▶ High grade 100 chain gives extremely compact dimensions and low dead weight
- ▶ Long-lasting because it is not susceptible to moisture and dust thanks to the closed chain path
- ▶ Unaffected by vibrations and oscillations due to self-locking, flat brake thread with heavy-duty construction
- ▶ Maximum safety from compulsory switching sequence of “Lift-Lower-Free” – accidental switchover is not possible
- ▶ Ideally suited for cargo lashing

Operating temperature range: –25 °C to +40 °C

WLL	kg	1500	3000
Number of chain legs	Piece	1	1
Overall height of hook from inner edge to inner edge	mm	314	376
Stroke for each lever rotation	mm	35	38
Lever pressure at full load	daN	27	49
Hook dimension, mm	B	23	30
Hook dimension, mm	C	23	25
Hook dimension, mm	D	18	22
Weight with 1.5m stroke	kg	9.9	16.5
reference no. with 1.5 m stroke		115185	115187
Reference no. with 3 m stroke		233927	233928

Other lifting heights on enquiry!

Indestructible – P85 lever hoist, malleable cast iron

Maximum stability!

CE

new!

The unbreakable!

WLL up to 10,000 kg

- ▶ Ultra-robust due to the malleable cast iron housing – bending or twisting is not possible
- ▶ Long-lasting because it is not susceptible to moisture and dust thanks to the closed chain path
- ▶ Unaffected by vibrations and oscillations due to self-locking, flat brake thread with heavy-duty construction
- ▶ Maximum safety from compulsory switching sequence of “Lift-Lower-Free” – accidental switchover is not possible
- ▶ High-quality European lifting chain according to EN
- ▶ As an option, also available with roller chain – the chain cannot twist!

WLL	kg	750	1500	3000	6000	10000
Number of chain legs	Piece	1	1	1	2	3
Overall height of hook from inner edge to inner edge	mm	322	389	403	532	805
Stroke for each lever rotation	mm	111	45	33	17	11
Lever pressure at full load	daN	38	31	40	42	37
Hook dimension, mm	B	21	27	35	48	61
Hook dimension, mm	C	27	30	34	46	54
Hook dimension, mm	D	15	20	25	40	40
Weight with 1.5m stroke	kg	8.2	17	22.2	38	67
reference no. with 1.5 m stroke		238982	115085	171526	183550	238983
Reference no. with 3 m stroke		238984	238985	238986	238987	238988

Also available with friction coupling at extra cost.

Other lifting heights on enquiry!

Also available with roller chain – please consult PFEIFER.



HIT Chrome spur wheel pulley blocks

Top quality for all-round use!

CE

- ▶ Optimum corrosion protection thanks to chrome plated, closed sheet-steel housing and galvanised inner plates
- ▶ Proven quality – 100% tested before shipment in the Pfeifer head-quarters, Memmingen
- ▶ European, high-tensile, galvanised load chain according to EN
- ▶ Long-life, stable hand chain
- ▶ Compact design with small overall height

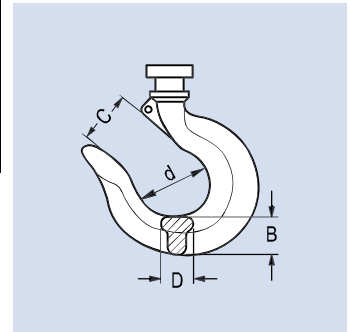
100% tested before dispatch in Germany



Usable from -25 °C to +40 °C

WLL	kg	250	500	1000	2000	3000	5000
Number of chain legs	Piece	1	1	1	1	2	2
Overall height of hook from inner edge to inner edge	mm	220	270	317	414	465	636
Tensile force of hand chain at nominal load	daN	19	23	31	36	34	42
Stroke per 1 m unreeling of the hand chain	mm	21	37	25	14	7	6
Hook dimension, mm	B	16	18.5	26	40	44	53
Hook dimension, mm	C	25	30	28	33.5	40	50
Hook dimension, mm	D	12	15	17	22	28	34
Hook dimension, mm	d	30	35	35.5	42.5	50	64
Weight with 3m stroke	kg	5	10	12	20	27	45.5
Reference no. with 3m stroke		218919	218920	218921	218922	218923	218924
Reference no. with 6m stroke		218925	218926	218927	218928	218929	218930

Other lifting heights on enquiry!



Transport and lifting devices

The adaptable one – 360° spur wheel pulley block



Operate it safely from outside the danger area!

- ▶ Hand chain can be rotated by 360° – facilitates operation at a safe distance from the load
- ▶ Can also be operated without difficulty from above or from the side – perfect for pulling and tensioning
- ▶ Long-lasting because it is not susceptible to moisture and dust thanks to the closed chain path
- ▶ Top handling – compact dimensions and low hand force
- ▶ High-quality European lifting chain according to EN
- ▶ Robust, powder-coated sheet steel design

Operate it safely and conveniently next to the load. The rotatable hand chain makes this unit particularly suitable for bulky loads.



WLL	kg	500	1000	2000	3000	5000
Number of chain legs	Piece	1	1	1	1	2
Overall height of hook from inner edge to inner edge	mm	300	335	395	520	640
Tensile force of hand chain at nominal load	daN	21	30	32	38	34
Stroke per 1 m unreeling of the hand chain	mm	33.3	20.4	14.1	11.5	5.8
Hook dimension, mm	B	17	22	30	38	45
Hook dimension, mm	C	24	29	35	40	47
Hook dimension, mm	D	14	19	22	30	37
Weight with 3m stroke	kg	8.7	10.6	15	23.4	37.5
Reference no. with 3m stroke		169228	169229	169230	169231	169232
Reference no. with 6m stroke		238991	238992	238993	238994	238995

Other lifting heights on enquiry!

The miracle space-saver – 360° pulley block with integrated roller running gear



Makes best use of the height!

- ▶ Optimum utilisation of the ceiling height thanks to its own extremely small height
- ▶ Inherently stable – no wobbling or rocking since the pulley block is rigidly attached to the geared trolleys
- ▶ Hand chain can be rotated by 360° – facilitates operation at a safe distance from the load
- ▶ Fast assembly due to infinite adjustment of the round nuts
- ▶ Tipping protection, wheel-fracture protection, and approach buffers as a standard
- ▶ Long-lasting because it is not susceptible to moisture and dust thanks to the closed chain path
- ▶ High-quality European lifting chain according to EN
- ▶ Robust, powder-coated sheet steel design

Operate it safely and conveniently next to the load. The rotatable hand chain makes this unit particularly suitable for bulky loads.

Roller and ball bearings on all rotary parts

WLL	kg	500	1000	2000	3000	5000
Number of chain legs		1	1	1	1	2
Overall height of hook from inner edge to inner edge	mm	245	272	323	382	550
Tensile force of hand chain	daN	21	30	32	38	34
Beam flange width	mm	50–180	50–180	58–180	74–180	98–180
Weight with 3m stroke	kg	20	27	44	77	125
Reference no. with 3m stroke		161263	161264	161265	161266	161267
Reference no. with 6m stroke		238997	238998	238999	239000	239001



Higher working load limits and carrying flange widths up to 300mm and with winder running gear on enquiry. Other lifting heights on enquiry!

Manual hoists explosion-proof



Uno-Ex lever hoist

For use in potentially explosive environments

- ATEX classification:
 - I M2
 - II 2 GD c IIB T4 T120° C X
- Copper-plated hook
- Galvanised load chain, optionally in stainless steel
- Special brake for reduced heat generation
- Robust sheet steel construction
- Low dead weight



new!

Explosion-proof version – Pulley block 360°

For use in potentially explosive environments

- ATEX classification:
 - II 2 GD c IIB T4 T 125° C X and
 - II 2 GD c IIB T3 T 145° C
- Copper-plated hook
- Special brake for reduced heat generation
- Hand chain in stainless steel, galvanised load chain, optionally in stainless steel
- Top corrosion prevention from MKS coating of all metal surfaces
- Protection from soiling and corrosion thanks to closed housing and closed chain path.
- Lift safely outside the danger zone. The 360° revolving hand chain enables operation from the side at a safe distance from the load.
- Can also easily be operated from above or from the side. Also ideal for tensioning or pulling.



Explosion-proof version 360° pulley block with integrated trolley

- ATEX classification:
 - II 2 GD c IIB T4 T 125° C X
 - II 2 GD c IIB T3 T 145° C
- Copper-plated hook, rollers made from solid bronze
- Special brake for reduced heat generation
- Hand chain in stainless steel, galvanised load chain, optionally in stainless steel
- Top corrosion prevention from MKS coating of all metal surfaces
- Protection from soiling and corrosion thanks to closed housing and closed chain path.
- Maximum use of room height thanks to very small overall chain hoist height.
- No shaking, no swinging. Very stable in itself as the pulley block is mounted securely on the trolley.
- Trolley with wheel fracture protection and approach buffers
- Lift safely outside the danger zone. The 360° revolving hand chain enables operation from the side at a safe distance from the load.



Roller running gear



Suitable for manual, electric and pneumatic hoists
 Very simple, virtually infinite adaptation to various beam flange widths
 Adjustable for wide range of beams and different profiles (e.g. INP, IPE, IPB)
 Optimum running characteristics due to ball-bearing-mounted rollers
 Tipping protection and wheel fracture protection as standard
 Centric suspension of the hoist in the eye cross beam – no lateral wandering on the cross beam
 500/1000/2000 versions, small flange widths in blue



WLL kg	Beam flange width mm	max. flange thickness mm	smallest curve radius m	Weight kg	Reference no.
500	50–220	24	0.90	5.2	115188
500	160–300	40	0.90	10.6	115189
1000	58–220	30	1.00	9.0	115190
1000	160–300	40	0.90	12.0	115191
2000	66–220	36	1.10	13.5	115192
2000	160–300	40	1.15	19.3	115193
3000	74–220	25	1.40	32.0	115194
3000	160–300	40	1.40	35.8	115195
5000	90–220	25	1.80	48.0	115196
5000	180–300	40	1.80	52.2	115197

Reel running gear



Version like roller running gear; however, driven by means of hand chain via a hand chain sprocket. With galvanised hand chain for 3m running track height.

Other chain lengths for higher running tracks on enquiry.

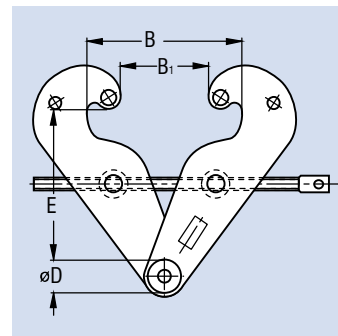


WLL kg	Beam flange width mm	max. flange thickness mm	smallest curve radius m	Manual force at rated load daN	Weight kg	Reference no.
500	50–220	25	0.90	3	9.7	168186
500	160–300	40	0.90	3	12.6	168187
1000	58–220	25	0.90	6	11.2	168188
1000	160–300	40	0.90	6	14.1	168189
2000	66–220	25	1.15	7	18.0	168190
2000	160–300	40	1.15	7	21.3	168191
3000	74–220	25	1.40	7	35.4	168192
3000	160–300	40	1.40	7	39.2	168193
5000	90–220	25	1.80	9	51.8	168194
5000	180–300	40	1.80	9	56.0	168195

Beam clamps



For fastening an attachment point to an I-beam
 Also suitable for the lifting of I-beams in a vertical direction
 Easy and simple assembly, adjustable to the beam size using the screw jack
 For the vertical suspension of hoists
 Low overall height
 Also suitable for I-sections with inclination of the lower flange up to 20%



WLL kg	Dimensions in mm						Weight kg	Reference no.
	B _{min.}	B _{max.}	B1 _{max.}	D	E _{min.}	E _{max.}		
2000	75	260	215	23	102	155	5.2	136879
3000	80	354	320	24	140	225	10.0	198086
5000	80	354	320	28	140	225	11.3	136881

Electric chain hoists



The selection of the correct electric chain hoist depends primarily on the application.

The following questions arise:

- Necessary hook travel
- Suspension height
- Frequency of application (rarely, more frequently, continuous operation)
- Type of operation (longer distances without a break or frequent switching/lifting/lowering)
- Environmental conditions (temperature, hygiene requirements, aggressive environment, e.g. offshore or explosive environment)

Depending upon the individual application, the correct hoist can then be selected with the following parameters:



Duty cycle

Specifies the operating/pause ratio of the electric chain hoist.

This is specified in %. Although the minimum values are specified in the standards, the performance of many chain hoists is better than that demanded by the standard.

Full load hours

This number indicates the period of operation after which the chain hoist must be subjected to a "big" service or a general overhaul. This limit is reached sooner or later, depending upon the application or frequency of operation.

It is calculated on the basis of the hook travel employed, the number of operations per day and the lifting speed.

Motor group according to FEM 9.511

The FEM is divided into the classes 1DM to 5 m, whereby 5 m is the best class. The following are indicated for each class in the FEM:

- The minimum requirement for the duty cycle
- The maximum length of time that the chain hoist may be operated without a break
- The maintenance intervals in full load hours

The correct class is to be selected here depending on the application!

Number of legs

There are electric chain hoists with one or more legs. The more legs, the higher the working load limit of the chain hoist for the same motor power. However, many legs mean a lower lifting speed and cause long chain lengths = high weight, large chain store.

Limit switches

There are limit switches for lifting and lowering. The load movement is stopped if the load hook reaches a certain position at the top or bottom. This prevents the hook from being driven against the housing at the top or to the stop of the load chain at the bottom. The integrated friction coupling is relieved as a result, extending the service life.

Type of control

In general there are two types of control. Direct control and contactor control. Direct control means that the operating voltage (400 V) is switched directly in the pendant control panel. In the case of contactor control, the operating voltage is converted to a low voltage and this is switched in the pendant control panel.

This option may be useful depending on the environment, e.g. humidity. Certain other parameters, such as stroke limit switches, may make contactor control necessary.

In the following we offer you a selection of electric chain hoists, in which we already offer devices as a standard according to application.

We will be only too pleased to assist you in selecting the optimum hoist for your application! Just contact us!

Speak to your technical advisor or call us:

+49 (0)83 31-937-112 – we look forward to your call!

Please note that all parameters are always to be seen in connection with one another!

The standard from 250 kg to 2,000 kg

Electric chain hoists for
standard service with
standard lifting height, hook
suspension and 2 lifting
speeds

new!

*Outstanding
price-performance ratio*

- ▶ Selection criteria: flexibly usable with good price-performance ratio thanks to high degree of standardisation
- ▶ Fast lifting or exact positioning possible by means of two lifting speeds
- ▶ Safe! Protected against overload by friction coupling
- ▶ Pleasant handling due to compact dimensions and low dead weight.
- ▶ Long life! Dust and splash-proof (protection class IP55 / insulation class F)
- ▶ High performance chain hoist, made in Germany

All models include chain store

With hook suspension

This chain hoist is characterised by its great flexibility. The hook suspension can be hung up in an eye, a ring or optional running gear – depending upon needs.



WLL	kg	250	500	1000	2000
Model		250/1-8/2	500/1-10/2.5	1000/2-5/1.25	2000/2-3/0.75
Main stroke	m/min	8	10	5	3
Fine stroke	m/min	2	2.5	1.25	0.75
Number of chain legs		1	1	2	2
Motor group FEM 9.511		2m	2m	2m	1 Am
Duty cycle, main	%	40	60	60	60
Duty cycle, fine	%	25	25	25	25
Dimension of load chain	mm	4 x 12	7.2 x 21	7.2 x 21	7.2 x 21
Lifting motor (400V 50 Hz)	kW	0.32/0.08	0.9/0.2	0.9/0.2	1.1/0.2
Reference no. with 3m stroke, 1.5 m control cable and hook suspension		237401	237404	237407	237410
Reference no. with 10m stroke, 8.5 m control cable and hook suspension		237403	237406	237409	237412

Other lifting heights on enquiry!



Suitable beam trolleys and beam clamps on page 38

The simple ones from 250 kg to 6,300 kg

Electric chain hoists for occasional use! One lifting speed, directly controlled.

The simple ones!

- ▶ Selection criteria: application-specific implementation with top price-performance ratio
- ▶ Long life! Dust and splash-proof (protection class IP55 / insulation class F)
- ▶ Safe! Protected against overload by friction coupling

Usable e. g. in the workshop or for the occasional movement of loads in industry and handicraft

All models include chain store

Directly-controlled 5 tonne and 6.3 tonne version, contactor-controlled with limit switch

Operating voltage 400 V AC/50 Hz

One speed for lifting and lowering

With eye or hook suspension or with manual or electric running gear

Further options available from standard. Please enquire:

Other lifting heights (higher and lower) and other lifting speeds

Contactor control or radio remote control, e. g. in a damp environment or in the case of heavy demands on the pendant control panel. – For additional safety!

Hoist limit switch for lifting and lowering. Reliably prevents the load hook from driving into the stop at the top or bottom.

Electric running gear with other driving speeds up to 25 m/min or 2 driving speeds

Tip: Electric running gear should be used for loads of 1,000 kg or more! Such heavy loads can no longer or hardly be moved at all by a manual running gear!



Transportand lifting devices

WLL	kg	250	500	800	1000	1600	2000	2500	3200	5000	6300
Model		020/52	020/53	050/53	030/52	070/54	070/55	070/56	090/55	110/52	110/54
Description		250/2-4	500/2-3	800/2-5	1000/2-4	1600/2-4	2000/2-3	2500/2-4	3200/2-4	5000/2-5	6300/2-4
Main stroke	m/min	4	3	5	4	4	3	4	4	5	4
Number of chain legs		2	2	2	2	2	2	2	2	2	2
Motor group FEM 9.511		2m	3m	1Am	1Bm	2m	1Am	1Bm	2m	2m	1Bm
Motor group load chain EN 818-7		2m	2m	1Bm	1Bm	2m	1Bm	1Bm	2m	2m	1Bm
Duty cycle, main	%	60	60	50	40	60	40	60	60	60	60
Duty cycle, fine	%	—	—	—	—	—	—	—	—	—	—
Max. permissible switchings per hour		360	240	240	240	240	240	240	240	240	240
Dimensions of load chain	mm	4×12	4×12	5.2×15	5.2×15	7.2×21	7.2×21	7.2×21	9×27	11.3×31	11.3×31
Lifting motor (400V 50 Hz)	kW	0.175	0.55	0.75	0.55	1.1	1.1	1.7	2.2	4	4
Reference no. with 3m stroke, 1.5 m control cable and eye suspension		217773	217774	217775	217776	217777	217778	217779	217780	217781	217782
Reference no. with 6m stroke, 4.5 m control cable and eye suspension		217783	217784	217785	217786	217787	217788	217789	217790	217791	217792
Reference no. with 10m stroke, 8.5 m control cable and eye suspension		217793	217794	217795	217796	217797	217798	217799	217800	217801	217802

Other suspension gear (please order in addition to the chain hoist!)

Reference no., hook suspension gear		218151	218153	218154	218155	218156	218157	218158	218159	218160	218161
Reference no., manual running gear type N		218189	218192	218193	218194	218195	218196	218197	218198	—	—
Reference no., electric running gear type N		218208	218209	218210	218211	218212	218216	218217	218218	218219	218220
Driving speed, electric running gear type N	m/min	16	16	16	16	16	16	8	8	4/16	4/16
Beam flange width, running gear type N	mm	50–106	50–106	66–135	66–135	66–135	66–135	82–155	82–155	90–155	90–155

Caution! In the case of the chain hoists with the reference numbers 217800, 217801 and 217802, an additional attachment point is required in order to relieve the chain store. In the case of chain hoists with running gear, a trailing running gear is required. Please order at the same time!

Trailing running gear

Reference no.	
	218233

The continuous runners from 250 kg to 5,000 kg

Electric chain hoists that
are used frequently and
often switched on/off!

The continuous runners!

- ▶ Selection criteria: High duty cycle, high motor group, number of permissible switchings per hour
- ▶ Fast lifting and positioning to the exact millimetre due to 2 lifting speeds
- ▶ Low-maintenance due to high motor group
- ▶ Long life! Dust and splash-proof (protection class IP55 / insulation class F)
- ▶ Safe! Protected against overload by friction coupling

Employed wherever the chain hoist is used very frequently or switched frequently on the pendant control panel, e.g. on swivelling cranes at a loading point etc.

Directly controlled, operating voltage 400V AC/50 Hz

Models 091/56 and 111/52 include contactor controller and limit switch

With eye or hook suspension or with manual or electric running gear

Further options available from standard. Please enquire:

Other lifting heights (higher and lower) and other lifting speeds

Contactor control or radio remote control, e.g. in a damp environment or in the case of heavy demands on the pendant control panel. – For additional safety!

Hoist limit switch for lifting and lowering. Reliably prevents the load hook from driving into the stop at the top or bottom.

Trolleys for other flange widths and other driving speeds



WLL	kg	250	500	1000	2000	3200	5000
Model		021/53	051/55	071/53	091/51	091/56	111/52
Description		250/2-4/1	500/2-9/2.3	1000/2-5/1.25	2000/2-4/1	3200/2-5/1.25	5000/2-5/1.25
Main stroke	m/min	4	9	5	4	5	5
Fine stroke	m/min	1	2.3	1.25	1	1.25	1.25
Number of chain legs		2	2	2	2	2	2
Motor group FEM 9.511		3m	3m	2m	3m	2m	2m
Motor group load chain EN 818-7		2m	1.8m	2m	3m	2m	2m
Duty cycle, main	%	50	60	60	60	60	40
Duty cycle, fine	%	40	25	25	25	25	24
Max. permissible switchings per hour		240	240	240	240	240	240
Dimensions of load chain	mm	4×12	5.2×15	7.2×21	9×27	9×27	11.3×31
Lifting motor (400V 50 Hz)	kW	0.32/0.08	1.1/0.2	1.1/0.2	1.5/0.37	3.0/0.75	4.4/1.0
Reference no. with 3m stroke, 1.5 m control cable and eye suspension		218111	218112	218113	218114	218115	218116
Reference no. with 6m stroke, 4.5 m control cable and eye suspension		218117	218118	218119	218120	218121	218122
Reference no. with 10m stroke, 8.5 m control cable and eye suspension		218123	218124	218125	218126	218127	218128

Other suspension gear (please order in addition to the chain hoist!)

Reference no., hook suspension gear		218162	218163	218164	218165	218166	218167
Reference no., manual running gear type N		218199	218200	218201	218202	218203	—
Reference no., electric running gear type N		218221	218222	218223	218224	218225	218226
Driving speed, electric running gear type N, slow/fast	m/min	5/20	5/20	5/20	5/20	5/20	4/16
Beam flange width, running gear type N	mm	50–106	50–106	66–135	82–155	82–155	90–155

Caution! In the case of the chain hoists with the reference numbers 218126, 218127 and 218128, an additional attachment point is required in order to relieve the chain store. In the case of chain hoists with running gear, a trailing running gear is required. Please order at the same time!

Trailing running gear

Reference no.
218233

The fast ones from 250 kg to 3,200 kg

Electric chain hoists for high lifting heights or fast lifting!

- ▶ Selection criteria: High lifting speed, single leg, high duty cycle, high motor group, stroke limit switch
- ▶ Fast lifting and positioning to the exact millimetre due to 2 lifting speeds
- ▶ With stroke limit switches – reliably prevent the load hook from driving into the stop at the top or bottom.
- ▶ Long life! Dust and splash-proof (protection class IP55 / insulation class F)
- ▶ Safe! Protected against overload by friction coupling
- ▶ Low-maintenance due to high motor group

Used wherever loads are to be lifted over great heights without a break or have to be moved fast.

All models include chain store

Contact control 24VDC, operating voltage 400V AC/50 Hz

With eye or hook suspension or with manual or electric running gear

Further options available from standard. Please enquire:

Other lifting heights (higher and lower) and higher lifting speeds

Trolleys for other flange widths and other driving speeds

Radio remote control



WLL	kg	250	500	1000	1600	2500	3200
Model		051/52	071/53	091/52	091/56	111/52	111/54
Description		250/1-12/3	500/1-10/2.5	1000/1-10/2.5	1600/1-10/2.5	2500/1-10/2.5	3200/1-8/2
Main stroke	m/min	12	10	10	10	10	8
Fine stroke	m/min	3	2.5	2.5	2.5	2.5	2
Number of chain legs		1	1	1	1	1	1
Motor group FEM 9.511		3m	2m	3m	2m	2m	1Bm
Motor group load chain EN 818-7		2m	2m	3m	2m	2m	1Bm
Duty cycle, main	%	40	60	60	60	40	25
Duty cycle, fine	%	10	25	25	25	25	25
Max. permissible switchings per hour		240	240	240	240	240	150
Maximum hook travel without a break in operation*	m	360	300	300	300	300	120
Dimensions of load chain	mm	5.2×15	7.2×21	9×27	9×27	11.3×31	11.3×31
Lifting motor (400V 50 Hz)	kW	0.6/0.1	1.1/0.2	0.75/3.0	3.0/0.75	4.4/1.0	4.4/1.0
Reference no. with 10m stroke, 8,5m control cable and eye suspension		217808	217809	217810	217811	217812	217813
Reference no. with 15m stroke, 13.5m control cable and eye suspension		217814	217815	217816	217817	217818	217819
Reference no. with 20m stroke, 18.5m control cable and eye suspension		217820	217821	217822	217823	217824	217825
Reference no. with 25m stroke, 23.5m control cable and eye suspension		217826	217827	217828	217829	217830	217831

Other suspension gear (please order in addition to the chain hoist!)

Reference no., hook suspension gear		218168	218169	218171	218172	218173	218174
Reference no., manual running gear type N		218204	218205	218206	218207	—	—
Reference no., electric running gear type N		218227	218228	218229	218230	218231	218232
Driving speed, electric running gear type N	m/min	5/20	5/20	5/20	5/20	4/16	4/16
Beam flange width, running gear type N	mm	50–106	66–135	82–155	82–155	90–155	90–155

Caution! In the case of the chain hoists with the reference numbers 217818, 217819, 217823, 217824, 217825, 217827, 217828, 217829, 217830, 217831, an additional attachment point is required in order to relieve the chain store. In the case of chain hoists with running gear, a trailing running gear is required. Please order at the same time!

* The hook travel describes the entire distance (lifting and lowering) travelled by the hook. If the maximum hook travel is used, then the chain hoist must cool down completely afterwards.

Trailing running gear

Reference no.
218233

The indestructible ones from 2,500 kg to 30,000 kg

Electric chain hoists for extreme stresses

- ▶ **Selection criteria: High duty cycle, high motor group, sturdy and precise manufacture, best material and construction, lowest wear**
- ▶ **Long life, low wear inner workings**
- ▶ **Extremely sturdy design**
- ▶ **High basic standard**

This chain hoist is used in applications where the equipment is subjected to extreme stresses. The entire construction is designed down to the tiniest detail for extreme loads. Whether it be for offshore, drilling rigs, tunnel construction, military, mining or other extreme applications, this chain hoists copes with just anything!

Extremely wear-resistant, because: the chain driving sprocket is milled from special steel; highly precise, diagonally-toothed gears; German lifting chain specially matched to the sprocket, defined chain intake with twist protection

Overload protection by means of friction coupling or power-off

Motor group 2 m also for high working load limits – therefore low maintenance; high duty cycle – therefore frequent loading possible

Defined sealing of the equipment with o-rings (is also sealed 100% again after service)

Extra-sturdy, ventilated brake motor with thermal monitoring (switches off before overheating)

Extra-sturdy steel housing, dust and splash-proof – protection class IP55/insulation class F

All models include chain store

Contact control 42 V DC. Greater safety in damp environments or in the case of heavy demand on the pendant control panel

Fast lifting and positioning to the exact millimetre due to 2 lifting speeds

With stroke limit switches – reliably prevent the load hook from driving into the stop at the top or bottom.

Operating voltage 400V AC/50 Hz



WLL	kg	2500	5000	10000	15000	20000	25000	30000
Description		AK825	AK850	AK910	AK915	AK920	AK925	AK930
Main stroke	m/min	8	4	2.8	1.8	1.35	1.1	1
Fine stroke	m/min	2	1	0.7	0.45	0.35	0.27	0.2
Number of chain legs		1	2	2	3	4	5	6
Motor group FEM 9.511		2m	2m	2m	2m	2m	2m	2m
Duty cycle, main	%	40	40	40	40	40	40	40
Duty cycle, fine	%	25	25	40	40	40	40	40
Dimensions of load chain	mm	11.3×31	11.3×31	16×45	16×45	16×45	16×45	16×45
Lifting motor (400V 50 Hz)	kW	4.0/1.1	4.0/1.1	5.5/1.4	5.5/1.4	5.5/1.4	5.5/1.4	5.5/1.4
Reference no. with 3m stroke, 1.5 m control cable and eye suspension		218375	218376	218377	218378	218379	218380	218381
Reference no. with 6m stroke, 4.5 m control cable and eye suspension		218382	218383	218384	218385	218386	218387	218388
Reference no. with 10m stroke, 8.5 m control cable and eye suspension		218389	218390	218391	218392	218393	218394	218395

Other suspension gear (please order in addition to the chain hoist!)

Reference no., hook suspension gear		218399	218400	—	—	—	—	—
Reference no., reel running gear		218401	218402	218403	218404	218405	218406	218407
Reference no., electric running gear		218408	218409	218410	218411	218412	218413	218414
Driving speed, electric running gear type N, slow/fast	m/min	16/4	16/4	16/4	16/4	16/4	16/4	16/4
Beam flange width, running gear	mm	74–196	74–192	119–215	131–221	160–310	160–310	160–310

Other working load limits from 500 kg on enquiry.

Plug & Play electric chain hoists

Electric chain hoists for the “normal” 230V socket!
Incl. 1 m cable and plug.

- ▶ Plug in and start working!
Operation with 230 V socket
- ▶ With hook suspension for flexible use
- ▶ Long life! Dust and splash-proof (protection class IP55 / insulation class F)
- ▶ Safe! Protected against overload by friction coupling

For the 230V socket

Chain hoists from this series are particularly suited for installation work. The particular advantage is the flexibility. The chain hoist can be used wherever there is a mains socket.

All models include chain store

Directly controlled

Operating voltage 230V AC/50 Hz



WLL	kg	250	500	1000	2000
Model		020/01	020/01	050/02	070/01
Description		250/1-8	500/2-4	1000/2-4	2000/2-3
Main stroke	m/min	8	4	4	3
Number of chain legs		1	2	2	2
Motor group FEM 9.511		2m	2m	1Am	1Am
Motor group load chain EN 818-7		1Bm	1Bm	1Bm	1Bm
Duty cycle, main	%	40	40	40	40
Max. permissible switchings per hour		240	240	240	240
Dimensions of load chain	mm	4×12	4×12	5.2×15	7.2×21
Lifting motor (230V 50 Hz)	kW	0.25	0.25	0.55	1.1
Reference no. with 3m stroke, 1.5 m control cable and hook suspension		218129	218130	218131	218132
Reference no. with 6m stroke, 4.5 m control cable and hook suspension		218133	218134	218135	218136
Reference no. with 10m stroke, 8.5 m control cable and hook suspension		218137	218138	218139	218140

Further options available from standard. Please enquire:

Other lifting heights (higher and lower) and other lifting speeds

Electric or manual running gear

PFEIFER is your specialist for electric chain hoists ...

... far beyond the catalogue!

- ▶ Are you looking for an electric chain hoist for a special application?
We know what it depends on and will select the correct equipment for you! ✓
- ▶ Do you have special requirements and wishes?
We will be only too pleased to determine the correct chain hoist for you, even far beyond the offer in our catalogue! ✓
- ▶ Do you need neutral advice and selection of a suitable chain hoist?
We offer you the correct chain hoist – neutrally, objectively and independent of the manufacturer! ✓
- ▶ Do you need an on-site consultation?
Our technical advisors will be only too pleased to visit you and discuss your application! ✓
- ▶ Our inspection service takes care of the annual inspection as well as the servicing of your equipment, either on-site or at one of our service centres! ✓

Our claim:

We advise you on your individual application professionally and objectively!

We offer the correct electric chain hoist including service for every customer and every application!

Just contact us: +49 (0) 83 31-937-112



■ Electric chain hoists for special applications



Handymaster

For crane-assisted working

This chain hoist facilitates working wherever loads need to be lifted and guided precisely without problems. Load hooks and pendant control panel thereby form an ergonomically shaped, fixed unit.

Suitable for any kind of workplace where moderate to heavy loads need to be moved frequently. e.g. assembly, dispatch and logistics etc.

The load can be lifted and guided with just one hand!

- Lower hook lockable, facilitates work in the case of constantly repeated operational sequences
- No separate, bothersome pendant control panel
- Available with hook suspension, eye, roller running gear or electric running gear



Electric chain hoist with stainless steel chain

For work in hygienic or particularly aggressive environments

Equipped with a stainless steel chain and optional food-safe lubrication, this chain hoist is particularly suitable for use in clean environments. Together with the food-safe lubrication, it is outstandingly well suited for use in the food industry. e.g. dairies, breweries, mineral water wells.

In aggressive environments, where a galvanised lifting chain corrodes fast, the stainless steel chain extends the service life enormously.



Electric chain hoist in explosion-proof design

For use in potentially explosive environments

In the chemical and pharmaceutical industry as well as in other fields, gases or dusts may be generated that can explode due to unprotected electrical appliances.

In order to prevent this, PFEIFER offers a wide range of explosion-proof chain hoists complying with the latest ATEX standard, including all necessary approvals and documents. In addition, a suitable main switch and installation cable can be delivered together with the chain hoist.

We offer the following safety classes:

- Gas-Ex: ATEX II2G Eex cde IIB T4, zone 1
ATEX II2G Eex cde IIC T4, zone 1
ATEX II3G Eex nA II T3, zone 2
- Dust-Ex: ATEX II2D Eex cde IIB T4 IP65, zone 21
ATEX II3D IP55, 135°, zone 22



Pneumatic hoists from 250 kg to 6,000 kg

- ▶ Usable in continuous operation, duty cycle 100%
- ▶ Optimum handling due to infinitely variable lifting speed and low dead weight
- ▶ Fast working – high lifting speed shortens the idle stroke time, especially in the unloaded condition
- ▶ Safe and insensitive since no electricity present. Also no problem to use outdoors
- ▶ Proven in many applications!
- ▶ E.g. chemical and pharmaceutical industry (explosion-proof version), automotive industry, shipbuilding, paint shops, refineries, foundries, paper and food industry... no doubt in your application too!

Duty cycle 100 %

Pneumatic hoists have a duty cycle of 100%. That means that these devices can be used without any breaks in operation at all.

Furthermore, they offer the advantage of a relatively low dead weight, in particular for high working load limits. The lifting speed is also high, especially in the unloaded condition.

Robust cast steel housing

Supplied with chain store

Standard lifting height 3m, rope control (2.5m), suspension hook

WLL	kg	250	500	1000	2000	3000	6000
Number of chain legs		1	2	2	2	1	2
Lifting speed	m/min	9.3	4.5	5.3	3	2.8	1.4
Full load/no load		19	9.5	10.3	5.7	5.7	2.9
Air consumption	l/sec.	11.7	11.7	25	25	33	33
Air connection	Inch	3/8	3/8	1/2	1/2	1/2	1/2
Weight with 3m stroke	kg	7.3	10.6	34	40	69	90
A	mm	230	230	321	321	430	430
B	mm	110	110	156	156	202	202
C	mm	120	120	165	165	228	228
D	mm	95	95	180	194	245	275
G	mm	240	240	177	203	249	275
H	mm	305	365	469	503	563	673
K	mm	29	29	34	32	41	50
L	mm	15	15	29	37	45	49
S	mm	35	35	47	50	47	63
T	mm	60	60	133	144	168	212
Reference no.		156054	156055	156056	156057	156058	156059

We will be only too pleased to advise you on the right hoist for your application – our range extends far beyond this page! Please contact us! Phone +49 (0) 8331-937-112

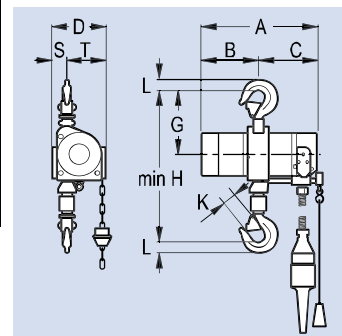
Further options, please enquire:

Pushbutton control

Design with pneumatic crab

Explosion-proof design in accordance with the latest ATEX standard

Water separator and oiler



Transport and lifting devices

Aluminium gantry crane



- ▶ folding side frames
- ▶ height adjustable
- ▶ simplified assembly
- ▶ only plugged, not screwed connections
- ▶ for lifting in inaccessible places
- ▶ including lockable trolley
- ▶ including integrated horizontal adjuster

Working load limit 2,000 and 3,000 kg: Design with double beam

WLL	kg	1000	1000	1000	2000	3000
Beam length	mm	4000	4000	4000	4000	4000
Suspension point	mm	1360–2360	1750–3000	2325–4025	2709–4409	2645–3795
Overall height	mm	1735–2735	2125–3375	2700–4400	2784–4484	2720–3870
Weight	kg	95	105	166	237	267
Reference no.		201022	201023	201024	201025	201026

Pulley block is not part of the scope of supply.



Aluminium gantry crane

movable under load



- ▶ folding side frames
- ▶ height adjustable
- ▶ simple assembly
- ▶ only plugged, not screwed connections
- ▶ with stretcher strut between side frame and aluminium beam for additional stability
- ▶ including lockable trolley
- ▶ including integrated horizontal adjuster

WLL	kg	1000	1000	1000
Beam length	mm	4000	4000	4000
Suspension point	mm	1720–2120	2160–3010	2490–3790
Overall height	mm	2095–2495	2535–3385	2865–4165
Weight	kg	166	192	214
Reference no.		201029	201030	201031

Pulley block is not part of the scope of supply.



Aluminium tripod



- ▶ telescopic feet
- ▶ foldable
- ▶ Overall length (e. g. in transport state) 2,000 mm
- ▶ non-slip rubber metal applications on the underside of the adjustable feet, to guarantee stability

WLL	kg	1000
Suspension point	mm	1722–3113
Weight	kg	54
Reference no.		201034

Pulley block is not part of the scope of supply.



Swivelling crane

Swivelling range 270° or 180° in column or wall-mounted version

Steel construction according to EN regulations and EU machinery directive for light industrial use

Design:

- Working load limit up to 500 kg
- Outreach up to 5000 mm
- Basic electrical connection with electricity supply to the hoist
- Boom with plain bearing
- Swivelling resistance infinitely adjustable
- Trolley driving buffer
- Quality corrosion protection by means of mechanical steel shot rust removal
- Primer yellow-green, RAL 6018



Electrical connection:

Lockable main connection switch, round electricity supply cable, with cable support eye for outreaches up to 3,000 mm and round trailing cable for outreaches from 4,000 mm onward

Documentation:

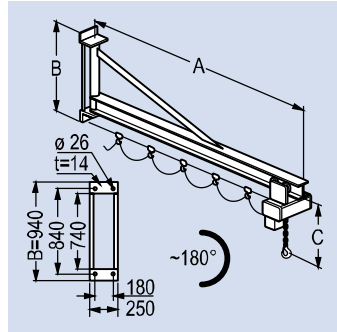
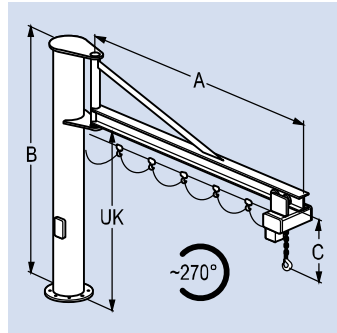
Crane documents with certified preliminary and construction testing, complete labelling according to UVV (German accident prevention regulations), illustrated installation instructions

Electric chain hoist

(main and fine stroke) with manual sliding running gear.

Operating and control voltage:

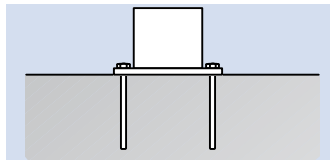
400 V/50 Hz, with emergency stop button



Choice of two mounting systems:

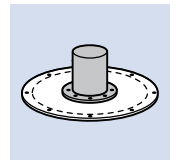
Anchor bolts and foundation template

Foundation depth at least 1,000 mm



SHEAR CONNECTOR system

For direct mounting on reinforced or unreinforced concrete floors. Concrete quality B25, Thickness at least 200 mm Package including shear connectors and bolts



Column swivelling crane, swivelling range 270°										
WLL	kg	125	125	125	250	250	250	500	500	500
Outreach (A)	mm	3000	4000	5000	3000	4000	5000	3000	4000	5000
Lower edge of crane boom (UK)	mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Overall height (B)	mm	3290	3290	3290	3290	3290	3290	3290	3290	3290
Height of hoist (C)	mm	415	415	415	470	470	470	520	520	520
Crane with electric chain hoist and manual running gear Main stroke + fine stroke	Reference no.	201437	201438	201439	201440	201441	201442	201443	201444	201445
	m/min	8 + 2	8 + 2	8 + 2	4 + 1	4 + 1	4 + 1	4 + 1	4 + 1	4 + 1
Accessories										
Anchor bolts with foundation template (Foundation depth 1,000 mm)	Reference no.	201494	201494	201494	201494	201494	201494	201494	201495	201495
	<input type="checkbox"/> foundation/mm	1000	1200	1400	1200	1300	1400	1400	1600	1800
SHEAR CONNECTOR system (alternative) Direct mounting on concrete floor Minimum thickness 200 mm	Reference no.	201490	201490	201490	201490	201493	201493	201493	201491	201492
	<input checked="" type="checkbox"/> plate/mm	680	680	680	680	850	850	850	1050	1200

Wall-mounted swivelling crane, swivelling range 180°										
WLL	kg	125	125	125	250	250	250	500	500	500
Outreach (A)	mm	3000	4000	5000	3000	4000	5000	3000	4000	5000
Overall height (B)	mm	940	940	940	940	940	940	940	940	940
Height of hoist (C)	mm	415	415	415	470	470	470	520	520	520
Horizontal force H max.	daN	874	1224	1572	1503	2066	2723	2846	3885	5036
Vertical force V max.	daN	251	273	286	410	433	475	753	790	866
Crane with electric chain hoist and manual running gear Main stroke + fine stroke	Reference no.	201446	201447	201448	201449	201450	201451	201452	201453	201454
	m/min	8 + 2	8 + 2	8 + 2	4 + 1	4 + 1	4 + 1	4 + 1	4 + 1	4 + 1



Transportand lifting devices

Rope hoists

- ▶ Robust multi-purpose device for pulling, lifting, lowering, tensioning and securing
- ▶ For unlimited rope lengths
- ▶ Jerk-free working to the exact millimetre
- ▶ Use in every position, in every direction
- ▶ Simple, easy and safe handling
- ▶ Very high work safety
- ▶ Virtually maintenance-free
- ▶ Long service life

Original Greifzug rope hoists



Type		T 508 D	T 516 D	T 532 D
WLL	kg	800	1600	3200
Rope feed by double stroke	mm	40	42	23
Lever pressure at nominal load	daN	29	40	45
Lever length	mm	690	1150	1150
Rope diameter	mm	8.4	11.5	16
Weight without rope	kg	6.6	13.5	23
Rope weight	kg/m	0.29	0.53	1
Reference no. (without rope)		115963	115893	115848



Additional accessories for rope tensioning on enquiry: wedge clamps, rope tensioning clamps, screw clamps, pulley blocks, shackles, ground anchors, rope slings

PFEIFER rope hoists

For pulling, tensioning, lifting and lowering loads

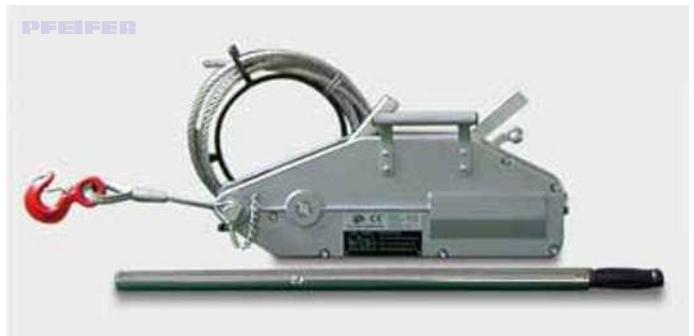


For unlimited rope lengths
The clamping jaws hold the load securely in each position

With overload protection by means of shear pins
With rope release for pulling off the unloaded rope
With corrosion-protected, insensitive aluminium housing
Complies with UVV BGV D8

The low-priced one

WLL	kg	800	1600	3200
Rope diameter	mm	8.4	11.5	16
Rope travel per double stroke	mm	52	55	28
Lever pressure at nominal load	daN	34	44	44
Lever length	mm	800	1200	1200
Suspension bolt	Ø mm	Ø22	Ø25	Ø30
Weight without rope	kg	6	11	22
Reference no. (without rope)		156256	156257	156258



Rope selection made easy

The correct rope for your device can be found on this page.

Ropes for PFEIFER rope hoists

Rope with press-fitted hook at one end for general securing

Rope diameter	mm	8.4	11.5	16
Weight per unit length	approx. kg/m	0.677	1.004	2.33
Reference no.		236527	236529	236530

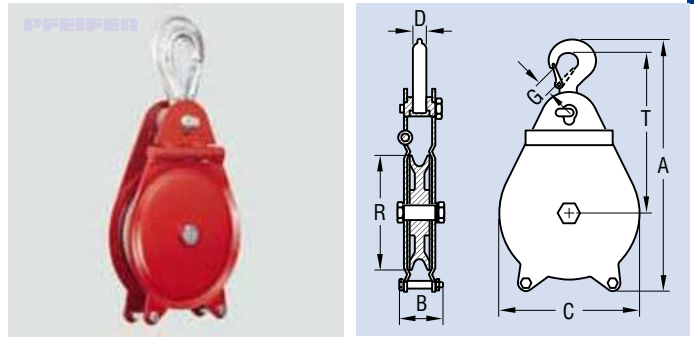
Rope pulleys



Rope pulley, can be opened, with high-tensile, swivelling hook



Galvanised steel roller with ball bearings
Side plates plastic-coated
Ropes are fitted by swinging open a side plate
Safety factor with the stated permissible tensile force is 2

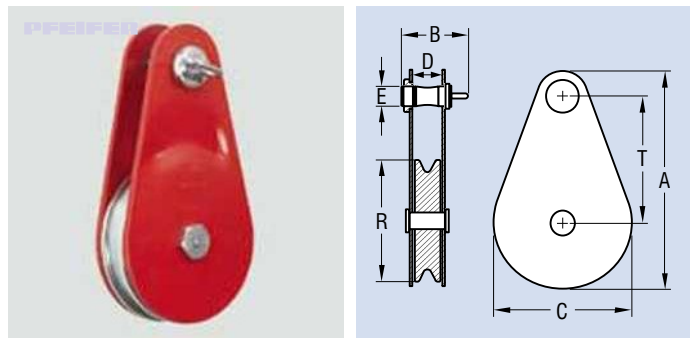


permissible tensile force kN	Max. winch tensile force kN	max. rope Ø mm	Dimensions in mm							Weight kg/pc.	Reference no.
			A	B	C	D	G	R	T		
40	20	12	397	59	190	20	32	160	255	6.2	231857
60	30	12	458	71	220	25	39	190	305	9.5	231858
100	50	14	553	84	256	30	48	222	375	15.3	231859

Rope pulley with bolt for fastening



Galvanised steel roller with ball bearings
Side plates plastic-coated
Ropes are fitted by removing the bolt
Safety factor with the stated permissible tensile force is 2



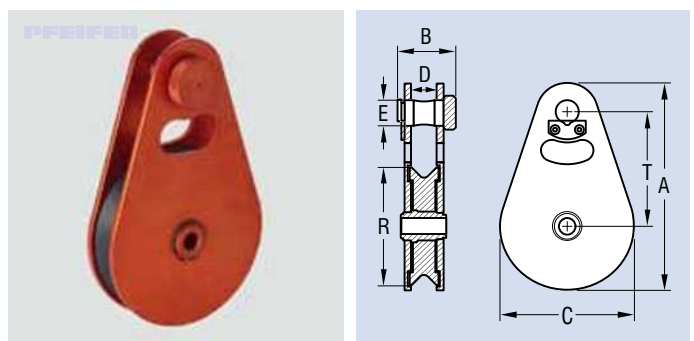
permissible tensile force kN	Max. winch tensile force kN	max. rope Ø mm	Dimensions in mm							Weight kg/pc.	Reference no.
			A	B	C	D	E	R	T		
10	5	10	173	58	96	21.5	18	95	100	1.8	231850
20	10	14	222	72	134	28.0	20	128	130	3.7	231855
160	80	16	323	113	190	55.0	58	188	188	10.5	235600
240	120	20	390	134	240	61.0	68	236	220	19	243993

Aluminium rope pulley with bolt for fastening



new!

Rugged polyamide roller (from aluminium as of 170 kN), roller bearing
Ropes are fitted by turning the movable side plates
Safety factor with the stated permissible tensile force is 2



permissible tensile force kN	Max. winch tensile force kN	max. rope Ø mm	Dimensions in mm							Weight kg/pc.	Reference no.
			A	B	C	D	E	R	T		
100	50	14	270	72	164	31	36	158	150	2.4	237727
150	75	16	343	86	210	38	42	198	190	3.9	237728
170	85	22	343	86	210	38	42	198	190	5.1	243992

Wire rope traction hoists

dual lift® – wire rope traction hoist transporting persons and material

new!

Worldwide position fixing using GPS

Top quality at an unmatched price-performance ratio and delivery from stock

- ▶ Top quality! The best materials for the longest service life
- ▶ Innovation! If required, telematics system with GPS module
- ▶ Top price-performance ratio!
- ▶ Top service! Guaranteed by the certified PFEIFER inspection service
- ▶ Availability! All winches in stock
- ▶ Small dimensions, easy to transport

You need a mobile rope winch...
 that is as light and easy to use as possible?
 that can cope with large heights without becoming heavy and unwieldy because of a rope drum?
 that is suitable and approved for transporting not just material, but persons as well?
 that can be used in all directions with great adaptability?
 that is still stable and robust after years and does its job?
 ...then the dual lift® continuous winch will satisfy you!



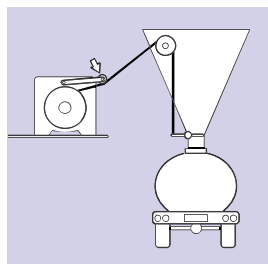
Transport of persons

Model	WLL kg	Rope diameter, guided load mm	Rope diameter, unguided load mm	Rope speed m/min	Power kW	Three-phase V	Dead weight kg	Reference no.
P508 CE9	600	8.4	8	9	1.5	400	53	233702
P508 CE18	600	8.4	8	18	3	400	53	233703
P809 CE9	800	9.0	9	9	1.5	400	53	233704
P809 CE18	800	9.0	9	18	3	400	53	238521
P1010 CE9	1000	10.2	10	9	1.8	400	53	233705
P1010 CE18	1000	10.2	10	18	3.6	400	54	233706

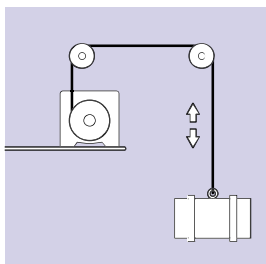
Transport of material

Model	WLL kg	Rope diameter, guided load mm	Rope diameter, unguided load mm	Rope speed m/min	Power kW	Three-phase V	Dead weight kg	Reference no.
M508 CE9	600	8.4	8	9	1.5	400	53	233692
M508 CE18	600	8.4	8	18	3	400	54	233697
M808 CE9	800	8.4	8	9	1.5	400	54	233698
M809 CE18	800	8.4	8	18	3	400	54	233699
M1009 CE9	980	9.0	9	9	1.8	400	53	233700
M1009 CE18	980	9.0	9	18	3.6	400	53	235496

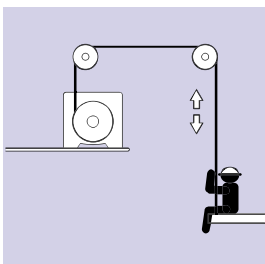
Special designs on request



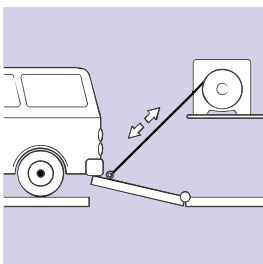
With slack rope switch



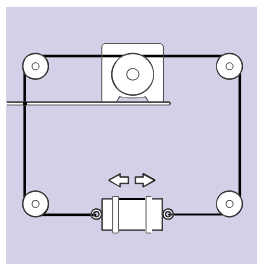
Infinitely variable speed



For the transport of persons



With electronic overload protection



For moving loads



■ Ropes for traction hoists

Ropes for traction hoists have to meet specific requirements (e.g. pre-forming) and have special properties (such as extreme crushing strength). The unrivalled manufacturing expertise of our subsidiary PFEIFER DRAKO in Mülheim/Ruhr enables it to ensure the highest quality and wear-resistance for a long service life. You can identify original PFEIFER DRAKO continuous winch ropes by the blue strand.

Ropes for guided loads

You can use these ropes when your loads are guided by rollers, rails, etc. so that untwisting of the ropes is prevented.

Rope diameter	mm	8.4	9	10.2
Rope-end style		Press-fitted eye hook at one end	Press-fitted eye hook at one end	Press-fitted eye hook at one end
Minimum breaking force rope F_{min}	kN	55	65.7	86
Weight per unit length	approx. kg/m	4.304	4.458	4.757
Reference no.		235866	235867	235868

Ropes for unguided loads

These cables are extremely rotation-resistant, meaning they do not rotate under load and can therefore be used for lifting where it is not possible to guide the load.

Rope diameter	mm	8	9	10
Rope-end style		Press-fitted swivel hook at one end	Press-fitted swivel hook at one end	Press-fitted swivel hook at one end
Minimum breaking force rope F_{min}	kN	55.3	69.2	83
Weight per unit length	approx. kg/m	4.736	5.077	5.599
Reference no.		235869	235870	235871

Rope handling

Reel Winding Device Winder Willi

new!

Careful rope handling and protection from mechanical damage

Further information on how to handle your ropes expertly with the winder willi can be found on page 236.

■ Accessories

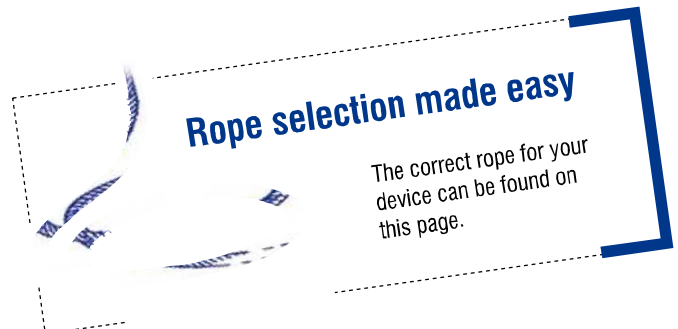
dual lift® arresting device

In accordance with the requirements of EN 1808, every winch for the transportation of persons requires a safety system on an independent safety rope. The OSL (Overspeed Safety Lock) trips a clamping jaw mechanism if the fall speed reaches 30 m/min. The ISL is a mechanism closing at a rope inclination or an inclination of the platform of $>10^\circ$

Description		OSL508 CE	OSL1010 CE	OSL809 CE
Reference no.		238481	238488	238483

Description		ISL508 CE	ISL1010 CE	ISL809 CE
Reference no.		238489	238491	238490

PFEIFER is an authorised service company for the inspection of dual lift® wire rope traction hoists



dual lift® connection adapter

Apart from the four mounting holes, the wire rope traction hoists can also be connected via an adapter. This can be used on various connections. A custom-made connection can also be supplied.

Description		Adapter with round link	Adapter with chain	Adapter with shackle
Reference no.		240285	240284	239459



Further accessories and special equipment

Rope deflection 180°

Reference no.	239484
---------------	--------

surcharge remote control

Reference no.	239518
---------------	--------

rope winder 9 m/min

Reference no.	239516
---------------	--------

rope winder 18 m/min

Reference no.	239517
---------------	--------

minifor – portable motorised rope hoists

Working load limits from 0.1 – 0.5 tonnes

For fast installation use

Instantly ready for use

230V AC motor

Simple operation/unlimited rope length/light and handy

Stroke limitation and rope run-out protection by means of limit switches (the scope of supply of the motorised rope hoist includes a 2.5m control cable, winder with 10m rope with hook, 2 limit switch springs with hexagonal wrench in cardboard packing.)

Model		Tr 11	Tr 31	Tr 30S	Tr 50
WLL	kg	100	300	300	500
Rope diameter	mm	6.5	6.5	6.5	6.5
Rope speed	m/min	15	5	12	7
Power	kW	0.37	0.37	1.1	1.1
Dead weight	kg	21	21	31.6	31.6
Reference no.		136430	136431	136432	136433

CE



PFEIFER is an authorised service company for the inspection of wire rope traction hoists.

Manual rope winches



Rope winch, manually operated

- Tensile force 900 daN
- Easy, jerk-free lifting, lowering and pulling
- Load pressure brake
- Drive crank removable (version with automatic unroll function)
- Also usable with belt; note: order belt fastener at the same time



Type		SSW 900/1 Automatic unroll function	SSW 900/2
Tensile load in the 1st rope position	daN	900	900
Tensile load in the uppermost rope position	daN	330	330
Wire rope diameter	mm	7	7
Total rope uptake	m	25	25
Gear assistance		8.75:1	8.75:1
Weight without rope	kg	7.5	7.5
Reference no.		136442	136443
Description		Rope, 20 m, with hook	Rope, 20 m, with hook
Reference no.		148439	148439
Description		Belt fastener	Belt fastener
Reference no.		188349	188349
Description		Belt, 5.5 m, with triangular hook	Belt, 5.5 m, with triangular hook
Reference no.		181051	181051

Wall-mounted rope winch with aluminium housing




- Self-locking
- Removable crank
- Low crank force
- Low noise
- Corrosion-resistant
- Surface powder-coated
- Compact form, encapsulated housing

Tensile load	daN	50	100
maximum rope uptake	m	12	8
Rope diameter	mm	2	3
Stroke per crank revolution	mm	96	38
crank pressure	kg	8	6
Weight	kg	1	2
Reference no., winch		156037	156038
Reference no., rope with thimble		236541	236542

Rope and end fittings for the rope on enquiry.



Transport and lifting devices



Rope selection made easy

The correct rope for your device can be found on this page.

Wall-mounted rope winch galvanised, with wall mounting



Self-locking
Direction-independent rope outlet, large rope capacity
Low noise
Corrosion-resistant
Compact form, encapsulated housing
Folding crank handle

Tensile load	daN	300	500
maximum rope uptake	m	29	22
Rope diameter	mm	4	5
Rope drum diameter	mm	60	60
Stroke per crank revolution	mm	65	46
Transmission ratio		1/3.1	1/4.5
Weight	kg	5	5
Reference no., winch with wall mount		156039	156040
Reference no., winch with bracket mount		200208	200209
Reference no., rope with thimble		236543	236544



Rope and end fittings for the rope on enquiry.



Wall-mounted rope winch

Painted



Self-locking, recoil-free safety crank with folding handle
Load pressure brake to prevent unintentional lowering of the load
Protected against corrosion
Maintenance-free plain bearing
Simple and space-saving wall installation
Complies with UVV BGV D8

Tensile load daN	maximum rope uptake m	Rope diameter mm	Stroke per crank revolution mm	crank pressure kg	Weight kg	Reference no., winch	Reference no., rope with thimble
300	11	6.0	74	18	10	156041	236545
500	10	6.5	30	21	10	156042	236546
750	12	8.0	28	20	14	156043	236547
1000	10	9.0	19	18	15	156044	236548
2000	8	12.0	16	32	23	156045	236551
3000	7	13.0	10	30	32	156046	236552

Rope and end fittings for the rope on enquiry.

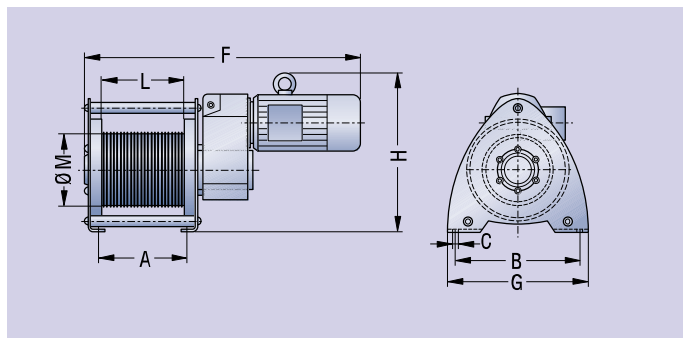


Electric rope winches

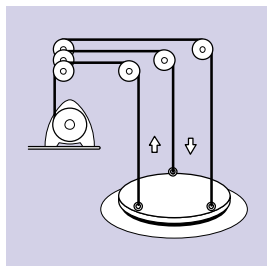
Transport and loading of goods, conveying of materials and persons, shifting from left to right, from top to bottom, diagonally and crosswise in each case. Convincing, large performance range as regards load bearing capacity, lifting height and speed. Functional design, sturdy and purposeful at

the same time. PFEIFER offers the correct rope winch for every application with a wide range of customisable options such as various connection options (230 V, 400 V) and special equipment such as drum free-wheeling, slack rope switch, remote control, explosion protection or transport of persons.

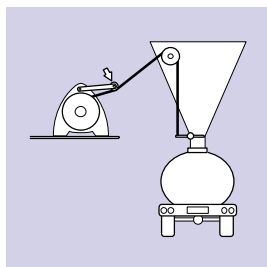
Maximum performance and flexibility at an unbeatable price-performance ratio



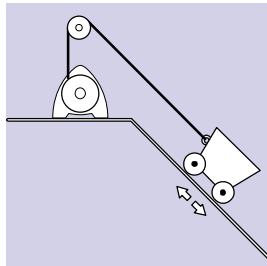
Transport and lifting devices



For multi-rope operation

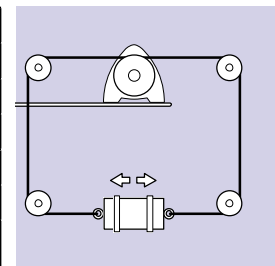


With slack rope switch

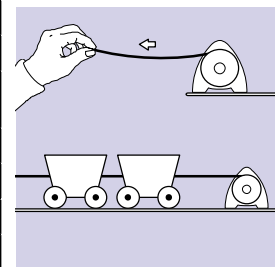


With brake ventilating mechanism plus hand wheel

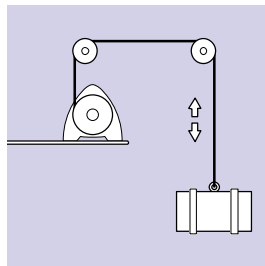
WLL	kg	125	250	250	250	500	630	980	1250	1600	3200
Model		Mini	Mini	Mini	Mini	BG 1	BG 1	BG 2	BG 2	BG 3	BG 3.5
Rope speed	m/min	5.1	2.5	5.1	3.7	3.5	6.8	3.4	5.9	3.9	6.3
Motor group		1 Bm	1 Bm	1 Bm	1 Bm	1 Am	1 Bm	1 Am	1 Bm	1 Am	1 Am
Engine power rating	kW	0.25	0.25	0.37	0.55	0.37	0.75	0.75	1.1	1.1	3
Rope diameter	mm	4	4	4	4	6	6	9	9	12	14
Rope uptake											
First position in m		7	7	7	7	8.4	6.7	11	8.7	12.1	11.4
Rope uptake highest position in m		46.7	46.7	46.7	46.7	58.5	48.9	77.5	64.1	87.8	64.5
Dimension A	mm	185	185	185	185	215	215	270	270	320	320
Dimension B	mm	170	170	170	170	300	300	400	400	510	510
Dimension C (hole diameter)	mm	12	12	12	12	13.5	13.5	18	18	22	22
Dimension F	mm	379	389	389	389	710	731	852	907	1014	1101
Dimension G	mm	422	422	422	422	340	340	465	465	570	570
Dimension H	mm	222	241	241	241	333	343	490	490	614	684
Dimension L	mm	180	180	180	180	200	200	250	250	300	300
Dimension M (drum diameter)	mm	64	64	64	64	108	108	175	138	218	242



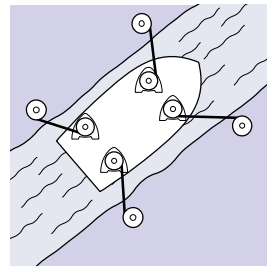
For moving loads back and forth



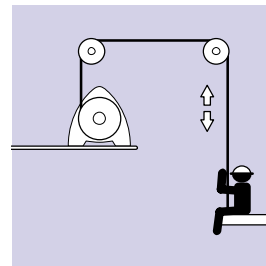
Drum free-wheeling can be activated



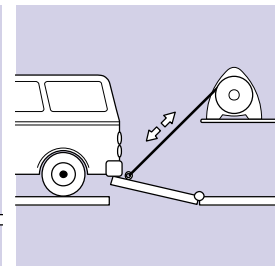
Infinitely variable speed



With flanged pulley enlargement



For the transport of persons



With electronic overload protection

HIT fork pallet trucks

- ▶ **Top stability** – shaft reinforced and attached by means of bolts
- ▶ **Free-moving steering rollers** with top-class bearings, full-rubber tyres
- ▶ **Top handling** – coated, ergonomically shaped handle
- ▶ **Sturdy and durable** – relubrication possible
- ▶ **Extremely durable powder coating**
- ▶ **High-quality hydraulics**
- ▶ **Quicklifter version** with high-speed stroke up to 200 kg

These fork pallet trucks are characterised by outstanding workmanship, robustness and longevity.

Many details provide for more pleasant working.

The axles, which can be relubricated via grease nipples, ensure low-noise running as well as the constantly safe lowering of the fork, also in the unloaded condition.



HIT fork pallet truck, 2.5 t Standard

new!

Take advantage of the set discount!

WLL	kg	2500	2000
Version		standard	quicklifter
Fork length	mm	1150	1150
Fork width	mm	160	160
Distance between outer edges of forks	mm	220	220
Ground clearance	mm	85	85
Lifting height	mm	115	115
Steering rollers	mm	200×50	200×50
Steering roller material		Rubber	Rubber
Fork rollers		Tandem	Tandem
Fork roller material		PU	PU
Weight	kg	83	86
Reference no.		226365	226366
Pack of six			
Set reference no.		226367	226368

Supplied as pack of six, pre-assembled, shaft included.

Many details

... make the HIT pallet truck a quality pallet truck!



Strengthened shaft mounted by means of bolts! For even higher safety!



Relubrication of the axle and steering is possible.
No squeaking! Always lowers easily, even without a load!



Rollers with high-quality, protected bearings for optimum running properties.

... for pleasant working and a long service life!

Fork pallet truck

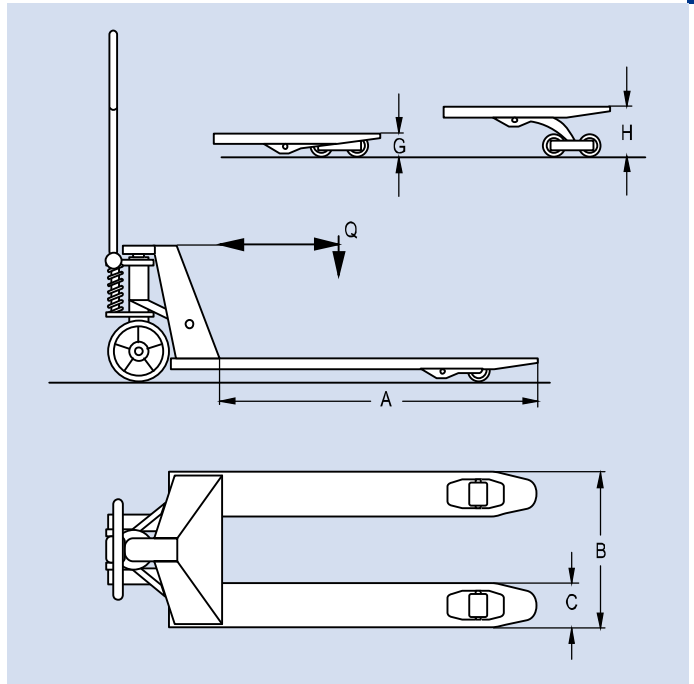


Special fork pallet trucks

Fork lengths 115–200 cm Load capacities from 1.5–3 tonnes



- ▶ Shaft grip with 3 functions
- ▶ Regulated lowering by hand grip and foot pedal (not stainless steel version)
- ▶ Extra foot valve for fast lowering of loads
- ▶ Shaft with extra reinforcement for the thrust (not stainless steel version)
- ▶ Additional rollers under the fork tips for easier driving in and out
- ▶ High performance hydraulic pump made of high-tensile steel
- ▶ Extra relief valve
- ▶ Pressure piston, hard, chrome-plated
- ▶ Powder-coated blue (not stainless steel version)
- ▶ Stainless steel version for use in refrigerated warehouses, laboratories, food industry and wet operations



Transport and lifting devices

WLL	kg	1500	2500	1000	3000
Version		—	with brake	stainless steel	—
Fork length A	mm	2000	1150	1150	1150
Distance between outer edges of forks	mm	520	550	550	550
Fork width C	mm	150	150	150	150
Ground clearance G	mm	85	85	85	85
Lifting height H	mm	200	200	200	195
Max. steering angle	°	210	210	210	210
Tyres		PU	PU	Nylon	PU
Fork rollers		Tandem	Tandem	Tandem	Tandem
Weight	kg	146	65	80	85
Reference no.		200240	200241	200242	200243

Fork pallet truck with scales 2,000 kg



Lowers costs in goods movement.

- ▶ Transport to stationary scales is avoided due to the integrated weighing system. That saves time, shortens routes and provides a better overview of the inventory control.
- ▶ Stable industrial design
- ▶ Shaft with extra reinforcement for the thrust
- ▶ Shaft grip with 3 functions
- ▶ Regulated lowering by means of hand grip
- ▶ Extra foot valve for practical manoeuvring
- ▶ High performance hydraulic pump made of high-tensile steel
- ▶ Extra pressure relief valve, therefore long service life
- ▶ Loadable hard rubber tandem rollers
- ▶ Pressure piston, hard, chrome-plated
- ▶ High-quality powder coating

WLL	kg	2000
Lifting height	mm	150
Min. fork height	mm	85
Fork length	mm	1150
Fork carrying width	mm	550
Jockey roller	Ø mm	Ø180
Fork rollers	Ø mm	Ø74
Power supply	Volt	230 or 9
Weight	kg	130
Reference no.		200245

On enquiry: calibrated version, version with integrated printer

Manual high-lift fork pallet truck

Up to 2.5 m lifting height!

- ▶ Quicklift function for fast lifting of weights up to 200 kg
- ▶ Energy-independent lifting by means of shaft or foot pedal
- ▶ Controlled, smooth lowering
- ▶ Stable, sturdy design – hard-chromed pressure piston, reinforced shaft, PU castors
- ▶ Compact dimensions
- ▶ Simple to operate!

The practical helper for pallet handling.
Fork width 550 mm

WLL	kg	1000	1000	1000
Lifting height	mm	1200	1600	2500
Min. fork height	mm	90	90	90
Fork length	mm	1150	1150	1150
Fork carrying width	mm	550	550	550
Jockey rollers	mm	Ø150	Ø150	Ø150
Fork rollers, tandem	mm	Ø80	Ø80	Ø80
Tyres		PU	PU	PU
Overall height, retracted	mm	1690	1980	1838
Overall height with max. stroke	mm	1720	2007	3000
Overall width	mm	740	740	840
Lifting drive		Shaft or foot pedal	Shaft or foot pedal	Shaft or foot pedal
Weight	kg	200	230	325
Reference no.		218272	218273	218274



Used in-plant for the loading and unloading of lorries for the determination of load weights.

For filling procedures or for determining the number of items.

High-quality weigher with top display!

5-digit display, accuracy 0.05% of full scale reading

Measurement range 1–2,000 kg, division 1 kg, tare function

High-quality foil keyboard, easy to clean and sealed

Printer connection (ASCII RS232 interface, 9600 Baud)

9V battery operation



PFEIFER high-lift fork pallet truck

For the transport and lifting of palletised goods



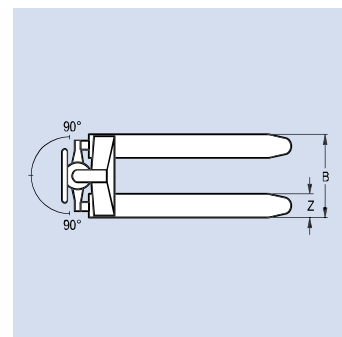
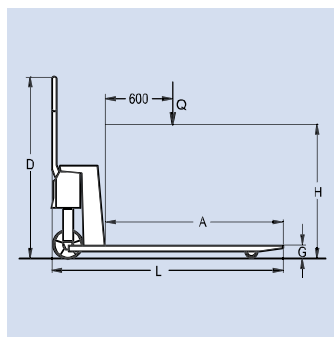
- ▶ Simple, convenient one-handed operation
- ▶ Shaft grip with 3 functions: lifting/driving/lowering
- ▶ With fast lift for loads up to 100 kg
- ▶ Infinitely adjustable lowering speed
- ▶ Pressure relief valve prevents overloading of the high-lift fork pallet truck
- ▶ Long service life due to chrome-plated piston rod
- ▶ Maintenance-free
- ▶ Steering and fork rollers made of polyurethane

Up with your loads



Movable only with lowered load

WLL	kg	1000
Lifting height H	mm	800
Fork lowered G	mm	85
Distance between outer edges of fork	mm	540
Fork length A	mm	1150
Fork width Z	mm	160
Overall length L	mm	1505
Shaft height D	mm	1235
Stroke per lever movement with full load	mm	15
Stroke per lever movement, fast lifting speed	mm	25
Weight	kg	104
Reference no.		155710



Scissor lift table

Ideal for use as a small lifting platform in commerce and industry



- ▶ Solid, stable industrial quality
- ▶ Parking brakes on both steering rollers
- ▶ Hand grip steering, infinitely adjustable height
- ▶ Polyurethane rollers for easy, quiet running
- ▶ High-quality powder coating
- ▶ High-quality hydraulic pump made of high-strength steel
- ▶ Pressure relief valve, therefore long service life

Up with your loads



Can also be moved under load

WLL	kg	150	500
Lifting height	mm	740	900
Min. table height	mm	225	340
Table	mm	740 x 450 x 35	855 x 500 x 50
Height of handle	mm	825	970
Length	mm	780	925
Stroke per pedal depression	mm	20	20
Roller Ø	mm	Ø100	Ø127
Weight	kg	46	87
Reference no.		200265	200266

High-lift truck 1 tonne up to 250cm lifting height on enquiry

Transport rollers

- ▶ For all in-plant transport of heavy machines and devices
- ▶ Carrying out transport without the use of machines and independently of crane installations
- ▶ Ideal for inaccessible and angular areas in connection with hydraulic jacks
- ▶ Protects floor coverings due to wide rollers contact surfaces
- ▶ Rollers made from a choice of nylon, steel or composite material (plastic-coated steel roller)
- ▶ Long service life with lowest maintenance costs due to stable construction, high-quality special steel, rollers with ball bearings and simple mechanism



After lifting the load by crane or hydraulic jack, the steering roller and two load rollers are driven in under the load-bearing elements. It is important to ensure an even weight distribution.

Please note: The working load limit data for the complete sets apply in the case of optimum load distribution, i.e. taking into account of the permissible nominal loads of the individual rollers.

*** The individual working load limits of the single chassis may not be exceeded!**



Set with nylon rollers, loads up to max. 12 tonnes*

Set consisting of 1 steering roller and 2 load rollers

Set reference no.	114213
-------------------	--------

For all clean and smooth floor coverings, free of metal chips, pebbles or the like.



Steering roller

WLL	kg	4000
Height	mm	115
Load surface	mm	200×200
Rollers	Piece	4
Roller type		Nylon rollers
Roller dimensions	mm	85×90
Weight	kg	15
Reference no.		114211

Load roller

WLL	kg	4000
Height	mm	105
Load surface	mm	170×220
Rollers	Piece	4
Roller type		Nylon rollers
Roller dimensions	mm	85×90
Weight	kg	8.5
Reference no.		114218



Set with nylon rollers, loads up to max. 16 tonnes*

Set consisting of 1 steering roller and 2 load rollers

Set reference no.	114214
-------------------	--------

For all clean and smooth floor coverings, free of metal chips, pebbles or the like.



Steering roller

WLL	kg	4000
Height	mm	115
Load surface	mm	200×200
Rollers	Piece	4
Roller type		Nylon rollers
Roller dimensions	mm	85×90
Weight	kg	15
Reference no.		114211

Load roller

WLL	kg	6000
Height	mm	105
Load surface	mm	230×260
Rollers	Piece	6
Roller type		Nylon rollers
Roller dimensions	mm	85×90
Weight	kg	14
Reference no.		114219



**Set with nylon rollers,
loads up to
max. 18 tonnes***

Set consisting of 1 steering roller and 2 load rollers

Set reference no.	114217
-------------------	--------

For all clean and smooth floor coverings, free of metal chips, pebbles or the like.



Steering roller

WLL	kg	6000
Height	mm	125
Load surface	mm	300×400
Rollers	Piece	8
Roller type		Nylon rollers
Roller dimensions	mm	81×68
Weight	kg	50
Reference no.		114216



Load roller

WLL	kg	6000
Height	mm	105
Load surface	mm	230×260
Rollers	Piece	6
Roller type		Nylon rollers
Roller dimensions	mm	85×90
Weight	kg	14
Reference no.		114219



**Set with composite rollers,
loads up to
max. 20 tonnes***

Set consisting of 1 steering roller and 2 load rollers

Set reference no.	114215
-------------------	--------

Suitable for all floor coverings.



Steering roller

WLL	kg	4000
Height	mm	115
Load surface	mm	200×200
Rollers	Piece	4
Roller type		Composite rollers
Roller dimensions	mm	85×90
Weight	kg	17.5
Reference no.		114212



Load roller

WLL	kg	8000
Height	mm	105
Load surface	mm	170×220
Rollers	Piece	4
Roller type		Composite rollers
Roller dimensions	mm	85×90
Weight	kg	11.5
Reference no.		114220



**Set with steel rollers,
loads up to
max. 36 tonnes***

Set consisting of 1 steering roller and 2 load rollers

Set reference no.	114223
-------------------	--------

Especially for raw concrete floors. Not suitable for sensitive floor coverings.



Steering roller

WLL	kg	12000
Height	mm	125
Load surface	mm	300×400
Rollers	Piece	8
Roller type		Steel rollers
Roller dimensions	mm	80×68
Weight	kg	63
Reference no.		114221



Load roller

WLL	kg	12000
Height	mm	105
Load surface	mm	230×260
Rollers	Piece	6
Roller type		Steel rollers
Roller dimensions	mm	85×90
Weight	kg	24
Reference no.		114225





Set with composite rollers, loads up to max. 36 tonnes*

Set consisting of 1 steering roller and 2 load rollers

Set reference no.	114224
-------------------	--------

Suitable for all floor coverings.

Steering roller

WLL	kg	12000
Height	mm	125
Load surface	mm	300×400
Rollers	Piece	8
Roller type		Composite rollers
Roller dimensions	mm	80×68
Weight	kg	52
Reference no.		114222

Load roller

WLL	kg	12000
Height	mm	105
Load surface	mm	230×260
Rollers	Piece	6
Roller type		Composite rollers
Roller dimensions	mm	85×90
Weight	kg	17.7
Reference no.		114226

Spare rollers with bearing

Roller type		Nylon	Nylon	Composite	Composite	Steel	Steel
Dimension	mm	85×90	81×68	85×90	80×68	85×90	80×68
for transport roller	Reference no.	114211/114218/114219	114216	114212/114220/114226	114222	114225	114221
Reference no.		114234	114235	114238	114239	114236	114237

Roller skate transport sets

- ▶ For short, variable transport routes
- ▶ For the transport of moderately heavy loads, e. g. machines and machine parts, to the place of operation
- ▶ Permits driving around corners thanks to pivot plates with a maximum pushing speed of 5 m/min

Components of the roller skate transport sets: 4 roller skates, 2 steering bars, 2 pivot plates, 2 tie rods, 2 levelling pieces, 1 sheet metal case. The components can also be supplied separately.

Please note: The road surface is decisive for a trouble-free transport process, not the working load limit of the roller skate. Tiles and asphalt are unsuitable, concrete is only conditionally suitable; sturdy metal sheets should ideally be underlaid (at least 10 mm thick).



WLL per set kg	Roller Ø mm	Load surface mm	Overall height mm	Pivot plate Ø mm	Weight per set kg	Reference no.
20000	18	120×120	108	130	48	114241
30000	24	120×120	117	130	56	114242
60000	30	130×130	140	150	90	114243

Pry bar rollers

An indispensable aid

- ▶ For lifting machines or other articles with little or no floor clearance
- ▶ Ideal handling – long 1.6-metre lever facilitates the raising of heavy articles as well!
- ▶ Robust! – grip and load bearing part made of forged steel
- ▶ Quality made in Germany!

Ideally suited for creating the necessary floor clearance in order to push a jack or roller chassis underneath.

With rubber rollers made of highly resistant armoured rubber for low-noise, safe operation without slipping.

WLL	kg	3000
Lever length	mm	1600
Weight	kg	14
Reference no. with iron rollers		155711
Reference no. with rubber rollers		155712



HIT steel winches

- ▶ **Top stability** – solid baseplate with profile provides for optimum stability, even on dirty surfaces!
- ▶ **Top service life** – rack made of specially hardened steel, therefore low wear; highest manufacturing precision of each individual part; solid implementation of the crank element; extra-thick foot claw; ideal machining of the housing from solid sheet steel!
- ▶ **Made in Germany!**

Universal, free-moving lifting device for the simple raising of loads. Depending upon conditions, the foot claw or the head can be applied. The shape of these two points reliably prevents the load from slipping.

The self-locking crank holds the load securely in any position! The crank handle is foldable.

All devices are available with safety crank or ratchet crank!

Version with adjustable lifting claw also available. The claw can be attached at 10 different heights.



Type 100 steel winches in accordance with DIN 7355

WLL	kg	1500	3000	5000	10000
Overall height	mm	725	725	725	800
Lifting height	mm	350	350	300	300
Claw height in the lowest position	mm	70	75	70	90
Weight	kg	12	20	24	42
Reference no. with safety crank		242031	242032	242033	242034
Reference no. with ratchet crank		242035	242036	242037	242038

CE

new!

Type 200 steel winches with smaller overall height

WLL	kg	1500	3000	5000	10000
Overall height	mm	570	570	600	650
Lifting height	mm	300	300	300	300
Claw height in the lowest position	mm	70	75	70	80
Weight	kg	11	18	22	38
Reference no. with safety crank		242039	242040	242041	242042
Reference no. with ratchet crank		242043	242044	242045	242046

CE

new!

Type 300 steel winches with adjustable foot claws

WLL	kg	1500	3000	5000	10000
Overall height	mm	725	725	725	725
Lifting height	mm	350	350	300	300
Claw height in the lowest position	mm	80	80	80	80
Claw height in the highest position	mm	670	670	670	670
Weight	kg	17	23	29	46
Reference no. with safety crank		242047	242048	242049	242050
Reference no. with ratchet crank		242051	242052	242053	242054



CE

new!

Hydraulic jacks

- ▶ Long service life due to extremely robust construction and high service-friendliness
- ▶ Minimal costs spread over the service life
- ▶ Safe and simple with relief valve – protects against overload
- ▶ Simply to use! Head and foot claw have the same, specified lifting force
- ▶ Sturdy and stable due to high-quality special steel, robust hydraulics and wear-resistant seals
- ▶ Service-friendly, as it can be completely dismantled and optimum spare part supply
- ▶ Flexibly usable! As little as 26mm floor clearance suffice for the 5 tonne and 10 tonne version.
- ▶ Simple handling due to compact design and removable hand lever

Hydraulic jacks are used wherever machines of the most diverse types need to be raised, for example for repair or assembly work.

Whether for the maintenance of heavyweight processing centres in industry or for the repair of vehicles, fork lift trucks, construction machines or lorries, these devices are indestructible and always provide faithful service.

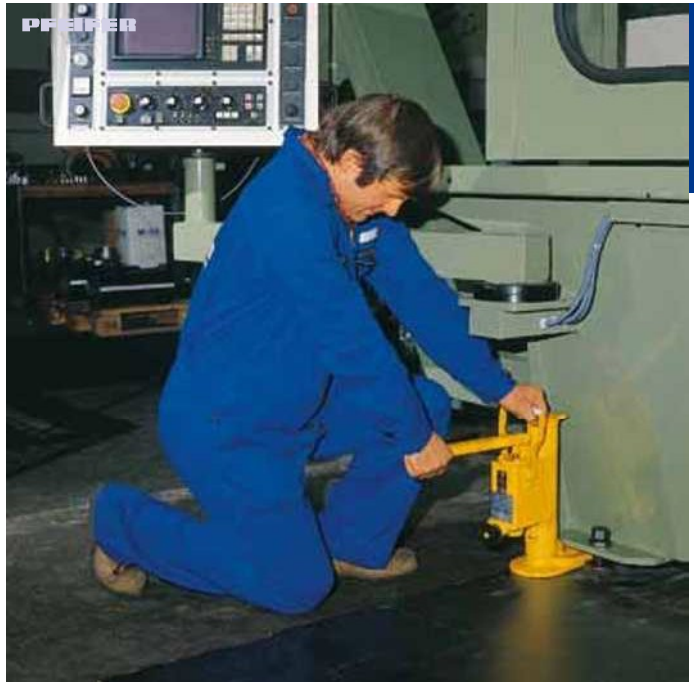
A big advantage of these devices is also their service-friendliness and longevity.

PFEIFER hydraulic jack

The original – still unique today!



WLL	kg	5000	10000	20000
Lifting height	mm	205	240	220
Lifting range with lifting foot	mm	26–231	26–266	60–260
Lifting range with lifting head	mm	362–567	415–655	440–660
Dimensions L × W × H	mm	575×130×362	585×130×415	850×180×440
Weight	kg	19	25	52
Reference no.		114307	114333	114335



Transport and lifting devices



Hydraulic bottle jacks

- ▶ Saving time due to screwable spindle – prevents idle stroke and installation of the jack underneath
- ▶ Ideally suited for straightening work, e.g. on sections, frames or steel structures, because they can be used horizontally and vertically
- ▶ The right jack for every application: Whether for a long stroke or cramped conditions – the range extends from standard to mini!
- ▶ Safe, stable footing due to large baseplate
- ▶ Finely controlled lowering
- ▶ Designed and constructed for use by professionals. High-quality branded goods.

Bottle jacks of this type can be found in almost every workshop. Whether as a classic vehicle jack for raising machines or for alignment work.



Standard jacks

Lifting load	t	3	5	8	12	15	20
Lifting height	mm	114	121	121	149	156	159
Overall height, retracted	mm	191	200	200	241	230	270
Overall height, extended	mm	365	391	391	470	495	469
Length of the bolts	mm	60	70	70	79	110	40
Number of pumping movements for 25mm stroke		10	12	18	26	27	22
Support surface diameter	mm	29	35	38	48	60	51
Baseplate diameter	mm	114×72	132×76	152×92	165×106	130×140	183×129
Pumping lever length	mm	489	545	605	605	700	800
Weight	kg	2.6	3.6	5.5	7.9	8.3	12.9
Reference no.		181008	181009	181010	181011	181012	181013

Bottle jacks with low overall height

Lifting load	t	12	20	30
Lifting height	mm	95	86	79
Overall height, retracted	mm	171	181	181
Overall height, extended	mm	343	305	250
Length of the bolts	mm	76	40	—
Number of pumping movements for 25mm stroke		26	22	35
Support surface diameter	mm	48	51	60
Baseplate diameter	mm	165×106	183×129	192×141
Pumping lever length	mm	605	800	1000
Weight	kg	6.4	10.1	13.7
Reference no.		181014	181015	181016

Other overall and lifting heights as well as larger working load limits up to 110 tonnes on enquiry!

The mini jack – ideal for the smallest spaces

Lifting load	t	5	5	10	20
Lifting height	mm	19	38	30	30
Overall height, retracted	mm	64	89	121	131
Overall height, extended	mm	82	127	151	160
Number of pumping movements for 25mm stroke		30	38	36	46
Support surface diameter	mm	29	29	42	53
Base-plate diameter	mm	74	74	110	120
Pumping lever length	mm	240	240	440	605
Lever force at full load	kg	25.9	25.9	28.1	35
Weight	kg	1.68	2.4	5.5	8
Reference no.		155974	181002	181003	181004

Other overall and lifting heights as well as larger working load limits up to 110 tonnes on enquiry!

2011/12

Hydraulic cylinders



General-purpose cylinder

Series C – single-action with spring return

- ▶ Low wear, even when loads are off-centre, due to special small end bearing
- ▶ Fast retraction and long service life span due to optimised return spring
- ▶ Extremely robust cylinder without welding seam
- ▶ Hard chrome-plated piston rod is resistant to wear and corrosion
- ▶ Up to 55 tonnes as a standard with floor mounting holes for simple installation! Beyond that on enquiry.
- ▶ Supplied as a standard with a coupling half with 3/8" NPT thread
- ▶ Replaceable plunger

These cylinders are suitable for all applications where high force is essential. With the external thread they are outstandingly suited for installation in presses of all kinds. These cylinders also provide top performance for lifting or straightening work.

On account of their long piston guide and the special small end bearing, these cylinders cope outstandingly well with lateral loads. Thus wear is kept low when loads are off-centre.

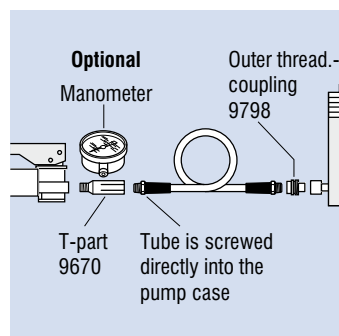


Transport and lifting devices

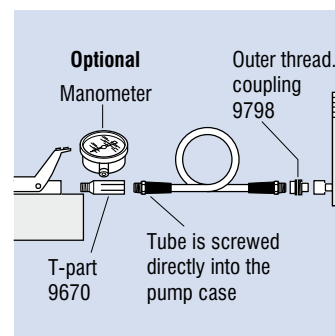
WLL t	Stroke mm	Type	Overall height mm	Oil requirement cm ³	Weight kg	recommended hand pump	Reference no.
5	25.4	C51C	110.3	18	1.0	P55	156006
5	82.6	C53C	165.1	52.4	1.5	P55	156007
10	54.0	C102C	120.7	78.7	2.3	P19	156008
10	104.8	C104C	171.5	150.8	3.0	P59	156009
10	155.6	C106C	247.7	224.5	4.3	P59	156010
10	257.2	C1010C	349.3	370.4	5.9	P59	156011
10	308.0	C1012C	400.1	444.2	6.6	P159	156012
15	25.4	C151C	123.8	50.8	3.4	P55	156013
25	50.8	C252C	165.1	168.8	6.3	P59	156014
25	101.6	C254C	215.9	337.6	8.0	P59	156015
25	158.8	C256C	273.1	527.8	9.8	P159	156016
55	158.8	C556C	282.6	1130.9	23.1	P159	156017
55	336.6	C5513C	460.4	2397.9	35.3	P460	156018
75	155.6	C756C	314.3	1596.4	33.3	P460	156019
100	168.3	C1006C	336.6	2245.4	41.2	P460	156020

Larger lifting heights and working load limits on enquiry!

**That is the way
it works:**



Connection of hand pump system.
A T-piece is required for the pumps P12,
P19, P23, P59 and P59F.
All other pumps have a manometer
connection.



Connection system with single-action
pneumatic pump.

Hollow piston cylinder

Series RH – single-action with spring return

- ▶ Simply exchangeable piston insert (plunger with internal thread is available)
- ▶ With external thread for the simple installation of the cylinder
- ▶ Guide tube protected against corrosion by special surface treatment
- ▶ Cylinder with aluminium housing for weight reduction, type RHA306
- ▶ Supplied as a standard with a coupling half with 3/8" NPT thread

Thanks to the large central bore, these cylinders are outstandingly suited for all pulling or tensioning applications. Possible cases of application are the tensioning of ropes or cables, the pressing in and out of bearings, bolts or shafts, the pulling of pipes or heavy objects and much more.



WLL t	Stroke mm	Type	Overall height mm	Ø central hole mm	Oil requirement cm ³	Weight kg	External thread	recommended hand pump	Reference no.
10	63.5	RH102	134.9	19.4	90.5	4.1	—	P19	201744
10	203.5	RH108	287.3	19.4	290	8.5	—	P59	201745
12	41.3	RH121	122.2	20.2	73.6	3.0	2 3/4-16	P19	201746
12	76.2	RH123	184.2	20.6	136	4.0	2 3/4-16	P59	201747
20	50.8	RH202	155.6	27.4	155	9.1	3 7/8-12	P59	201748
20	76.2	RH203	154.0	26.6	192.9	7.3	—	P59	201749
20	152.4	RH206	308.0	27.4	465	13.7	3 7/8-12	P159	201750
30	63.5	RH302	158.8	32.9	260	11.6	4 3/4-12	P59	201751
30	149.2	RHA306 *	283.4	32.5	624.9	9.9	—	P159	201752
30	152.4	RH306	247.7	32.5	624.9	17.7	4 3/4-12	P159	201753
50	76.2	RH503	181.0	42.5	534.3	21.2	6-12	P159	201754
60	76.2	RH603 **	235.0	54.0	606.8	27.2	6 1/4-12	P159	201755
60	152.4	RH606 **	311.2	54.0	1211.3	35.4	6 1/4-12	P159	201756
100	76.2	RH1003 **	254.0	79.4	1013.5	52.2	—	P159	201757

* Aluminium lightweight cylinder; ** with carrying handle
Larger lifting heights and working load limits on enquiry!

Flat cylinder, series RLS

Single-action with spring return

- ▶ Lowest overall height in the retracted condition. Minimum space is sufficient.
- ▶ Low wear thanks to special surface treatment – particularly resistant to abrasion – top corrosion protection
- ▶ Long service life! Curved piston rod up to 30 tonnes and movable plunger prevent off-centre stress.
- ▶ Fast retraction due to optimised return spring
- ▶ Extremely robust cylinder without welding seam
- ▶ Optimal handling, upwardly-angled coupling creates additional clearance (not RLS50)
- ▶ Hard chrome-plated piston rod is resistant to wear and corrosion
- ▶ Supplied as a standard with a coupling half with 3/8" NPT thread
- ▶ Replaceable plunger

Flat cylinders are suitable wherever there is little space.

This series is used for straightening work, for lifting, tensioning and in compact press installations.

Its small dimensions also allow use with small sections or frames.



WLL t	Stroke mm	Type	Overall height mm	Oil requirement cm ³	Weight kg	recommended hand pump	Reference no.
5	14.3	RLS50	41.3	10.2	1.0	P55	156022
10	11.1	RLS100	44.5	16.4	1.5	P55	156023
20	11.1	RLS200	50.8	32.8	2.5	P55	156024
30	12.7	RLS300	58.7	52.5	3.9	P19	156025
50	15.9	RLS500S	66.7	98.4	6.3	P19	156026

Larger lifting heights and working load limits on enquiry!

Short-stroke cylinder, series RSS

Single-action with spring return

- ▶ Low overall height in the retracted condition
- ▶ Optimal handling, upwardly-angled coupling creates additional clearance (in the case of the 10 to 50 tonne cylinder)
- ▶ Fast retraction due to optimised return spring
- ▶ Extremely robust cylinder without welding seam
- ▶ Supplied as a standard with a coupling half with 3/8" NPT thread
- ▶ Replaceable plunger



Exactly like flat cylinders, short-stroke cylinders are suitable for use in cramped spaces.

These devices are used where the standard cylinder is too large and the flat cylinder has too little lift.

WLL t	Stroke mm	Type	Overall height mm	Oil requirement cm ³	Weight kg	recommended hand pump	Reference no.
10	38.1	RSS101	88.9	55.8	2.7	P19	156027
20	44.5	RSS202	95.3	126.3	4.5	P19	156028
30	61.9	RSS302	117.5	259.1	6.7	P19	156029
50	60.3	RSS502	127.0	373.7	10.5	P59	156030
100	57.2	RSS1002	139.7	724.9	21.4	P159	156031

Larger lifting heights and working load limits on enquiry!

Hydraulic pumps

Standard hand and foot pumps

For single-action cylinders

In this selection you will find the appropriate pump for each cylinder in our assortment. When selecting, please note:
 The oil volume of the pump must in general be larger than that of the cylinder.
 Single-stage pumps (P55) have only one pressure stage. Advantage: inexpensive price, disadvantage: with a light load or idle stroke the cylinder extends only slowly, since the quantity of oil is small for each pumping movement.
 Two-stage pumps have a low pressure stage and a high pressure stage. Advantage: in the low pressure stage the quantity of oil for each pumping movement is larger. Hence, the cylinder extends faster in the case of lighter loads or idle stroke. That saves time.



Type	Pressure stages	Vol./stroke stage 1 cm ³	Vol./stroke stage 2 cm ³	Lever force kg	Oil volume cm ³	Usable oil quantity cm ³	Connection Inch	Weight kg	Reference no.
P55	1	2.6	—	66	902	738	3/8-NPT	7.2	155975
P19	2	5	1.2	45	400	328	3/8-NPT	3.0	155976
P59	2	10.9	2.6	66	902	738	3/8-NPT	7.8	155977
P59F	2	9	2.1	55	902	738	3/8-NPT	6.4	218312
P159	2	42.6	2.6	64	2491	2245	3/8-NPT	11.9	155978
P460	2	120.5	4.6	41	9500	7539	3/8-NPT	24.9	155979

Additional pumps on enquiry!

Lightweight pumps with lower leverage force

For single-action cylinders

- ▶ Compared to standard pumps, these pumps have a significantly lower dead weight and a reduced leverage force with a larger oil volume at the same time.

When selecting the right pump, the same applies as with the standard pumps – see above!



Type	Pressure stages	Vol./stroke stage 1 cm ³	Vol./stroke stage 2 cm ³	Lever force kg	Oil volume cm ³	Usable oil quantity cm ³	Connection Inch	Weight kg	Reference no.
P19L	2	4.1	0.9	37	475	443	3/8-NPT	2.3	218310
P59L	2	12	2.6	44	1131	1082	3/8-NPT	4.1	218311

Additional pumps on enquiry!

Pneumatic and electric pumps

For single-action cylinders

Pumps with pneumatic or electric drive are recommended for more convenience when dealing frequently with hydraulics.

In this selection you will find the appropriate pump for each cylinder in our assortment. When selecting, please note:

Electric pump for 230V / 50 Hz, with 3.1 m control cable

Air pressure required for pneumatic pumps: 3 to 8 bar



Type of drive	Type	Pressure stages	Oil volume cm ³	Usable oil quantity cm ³	Connection Inch	Weight kg	Reference no.
Compressed air	PA 6	1	1.7	1.6	3/8-NPT	6.3	155998
Compressed air	PA462	2	9.5	9.4	3/8-NPT	27.2	218335
electric	PE 172 – E 220	2	—	4.72	3/8-NPT	20.4	156000

Additional pneumatic and electric pumps on enquiry!

Pumps with battery/rechargeable battery drive on enquiry!

Hydraulic accessories



Hydraulic tubes and coupling halves

High-stability hydraulic tubes made of polyurethane. Safety factor 4. Operating pressure to bursting pressure (700 bar: 2800 bar).

Complete with external thread at both ends

Inside diameter 6.4 mm

A hydraulic tube and a coupling half for connection to the cylinder are required for all pumps.

Type	Length m	Reference no.
9765E	0.6	156001
9767E	1.8	156002
9769E	3.1	156003
9771E	6.1	156004

Other hose materials, e.g. rubber tubes or non-conductive tubes on enquiry!

Tubes with a larger diameter for faster oil return or faster lowering on enquiry!

Coupling halves including dust cap for high pressure hydraulics 700 bar

Type	Reference no.
9798	156005



A hydraulic hose and a coupling half for connection to the cylinder are required for all pumps.

Manometer for load or pressure display

- ▶ Load or pressure display in bar
- ▶ Manometer in diameters 63.5 or 101.6 mm
- ▶ Insensitive to vibration and long life due to silicone filling
- ▶ Red needle for optimum readability
- ▶ Robust housing made of stainless steel

For the precise measurement of the load weight or the determination of the pressure in the system. Enables, for example, tension or pressure with defined force. The manometer is usually attached directly behind the pump. Only an additional adaptor piece is necessary. The manometer can also be attached directly in front of the cylinder using the same adaptor.

Type	Manometer size mm	Measuring range bar	Scale main division bar	Scale subdivision bar	Reference no.
9040E	63.5	0-690	100	20	160984
9052E	100.0	0-690	100	10	218319

Display in tonnes is also an option. Please enquire!

Connection fittings for manometers

The following fittings are required in order to integrate the manometer into the hydraulics:

Connection directly after the pump, T-piece type 9670 or 9699

Connection directly before the cylinder, T-piece type 9670

Connection in the tube pipe, T-piece type 9670 or 9699 and coupling 9680 as well as a further hydraulic tube with external thread at each end

Type	Reference no.
9670	218320
9699	218321
9680	218322

