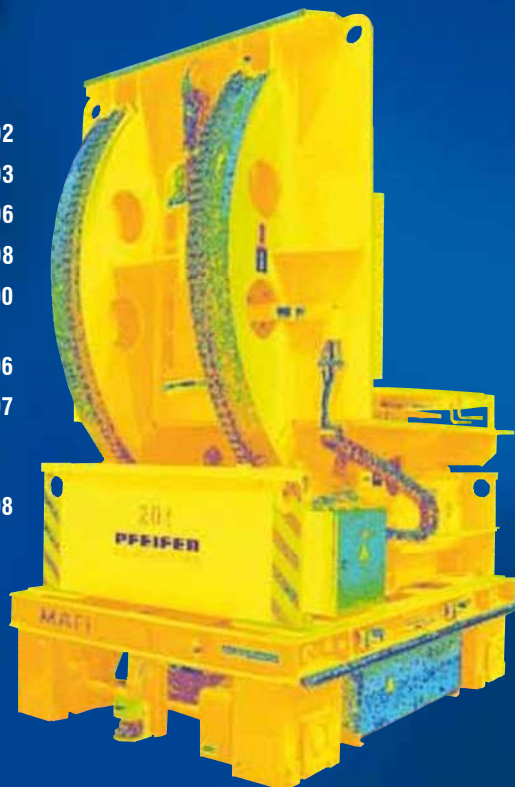


Lifting and turning devices

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- Whether spreader beams, large electromechanical grabs or turntables – you will find everything for lifting and turning heavy loads here.
- Our experienced technicians and engineers have been dealing with demanding lifting and turning tasks from all industrial sectors for decades.
- The devices meet the highest safety standards due to strict adherence to the prevailing rules and regulations, such as the 2006/42/EC Machinery Directive which has been in force since 29.12.2009.
- The lifting and turnover devices are therefore characterised by a particularly long service life, giving fault-free, safe and economic operation.
- We will be happy to prepare an individual quotation for you!



Grab for Sheet-Blanks
3.8 t for transporting stacked metal-sheet blanks



Telescope coil grab
30 t with gauged scales

Turntable for die cast moulds
Loading platform 2 x 2 x 2 m / 20 t



Coil-hook 35 t with counterweight and safety cam

Innovative safety concept for telescopic grabs to prevent the load from falling down

We are happy to supply further details. Just give us a call.
Phone + 49 (0)8331-937-300

Simply brilliant!



Roll grab 40 t.



Paper roll grab
electromechanical 6 t

Crane lower blocks 75 t
4 pulleys with electrically revolving hooks



Spreader beam with adjustable cross beams
66 t for transport of forming tools

Drum handling devices

- ▶ We offer a sophisticated and highly practical range of products.
- ▶ The variety of drum equipment offers the suitable device for each application.
- ▶ Some drum handling devices can also be used with fork lift trucks.
- ▶ High-quality design – simple and safe to operate

Still unsure? - Please send us the drawing of your drum!

The PFEIFER drum handling devices have been approved by our customers and are suitable for any application. For the transport by crane hook or fork lifter, for lifting and turning (overturning) of vertically positioned drums, for steel or plastic drums – find the appropriate device for each application!

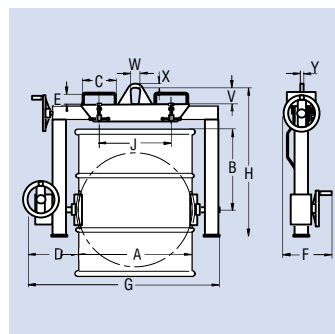


Drum turn over grab

For transporting and turning (tipping over) inherently stable metal drums with rolling hoops or rolling channels and closed lid or spout. The drums can be in an upright or horizontal position. The drums can be lifted up from all positions and turned in any position due to a self-locking worm drive.

for drum	mm	Ø400–Ø620
SWL	kg	300
Weight	kg	93
Reference no.		114204

CE



Dimensions in mm		
A Ø400–Ø620	B 450	C 200
D 350	E 75	F 350
G 1000/1200	H 840	J 450
V 100	W 50	X 20
Y 20		

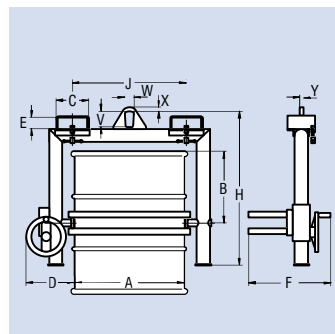


Drum tilting grab

For transporting and emptying standing, inherently stable metal drums (even without lid) with rolling hoops or rolling channels. A lashing belt and ratchet are used to encircle the drum while protecting the surface. Safe tipping and accurate metering by handwheel and self-locking worm drive.

for drum	mm	Ø560–Ø610
SWL	kg	300
Weight	kg	109
Reference no.		175520

CE



Dimensions in mm		
A Ø560–Ø610	B 450	C 185
D 400	E 65	F 500
H 1100	J 620	V 100
W 50	X 20	Y 20



Lifting and turning devices

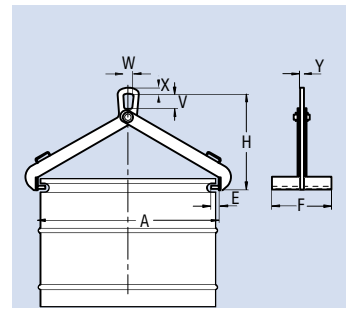


Drum grab

For upright, inherently stable metal and L-edge plastic drums with lid and rim. Also suitable for use with tightly packed drums.

For custom-made products with "hold open" device please consult PFEIFER

for drum	mm	Ø390-Ø650
SWL	kg	500
Weight	kg	4.7
Reference no.		114172



Dimensions in mm		
A Ø390-Ø650	E 20	F 200
H 350	V 60	W 60
X 15	Y 10	

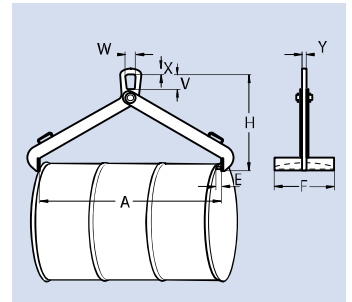


Drum grab

For horizontal, inherently stable metal drums with rim.

For custom-made products with "hold open" device please consult PFEIFER

for drum length	mm	650-950
SWL	kg	500
Weight	kg	8
Reference no.		114173



Dimensions in mm		
A 650-950	E 20	F 200
H 500	V 60	W 60
X 15	Y 10	



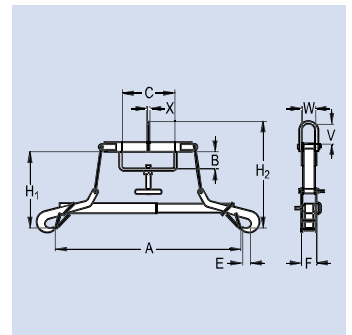
PFEIFER drum gripper

For transport of vertical inherently stable steel drums (with lid) and L-ring plastic drums

for drum	mm	Ø420-Ø640
SWL	kg	250
Weight	kg	4.4
Reference no.		173981



A competitively priced all-rounder



Dimensions in mm		
A Ø420	B 60	C 185
E 20	F 53	H1 250
H2 340	V 58	W 50
X 8		



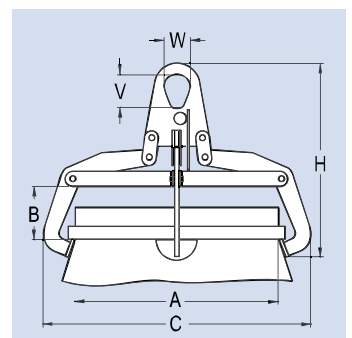
Clamp claw gripper for plastic drums

For transporting vertical standard plastic drums 120 l with high or low lids.

Simple one-hand operation by horizontal guiding tube and self-locking safety catch.

Unlocking by releasing the safety catch at the horizontal guiding tube.

for drum	mm	Ø395
SWL	kg	360
Weight	kg	7
Reference no.		179947



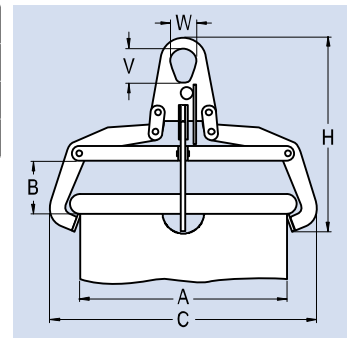
Dimensions in mm		
A Ø395	B 100	C 545
H 370	V 70	W 50



Clamp claw gripper for metal drums

For vertical standard metal drums 200l with lid.
Simple one-hand operation by horizontal guiding tube and self-locking safety catch.
Unlocking by releasing the safety catch at the horizontal guiding tube.

for drum	mm	Ø570–Ø630
SWL	kg	800
Weight	kg	14
Reference no.		212863



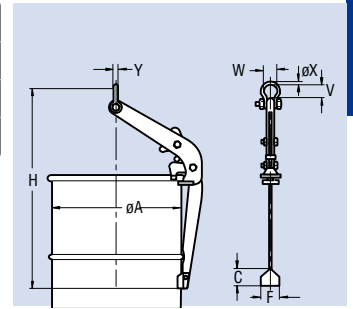
Dimensions in mm		
A Ø570–Ø630	B 55	C 740
H 470	V 85	W 60



Barrel rim clamp

For erecting drums from horizontal position or transporting drums in upright position.
Suitable for densely stacked drums.
With automatic locking.

for drum	mm	Ø560–Ø610
SWL	kg	700
Weight	kg	8
Reference no.		114171



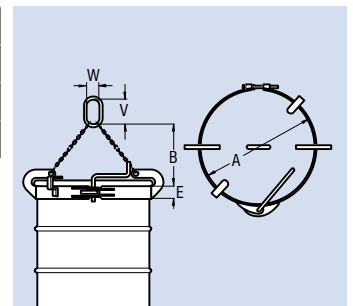
Dimensions in mm		
A Ø560–Ø610	C 100	F 100
H 690	V 45	W 45
X 15	Y 15	



PFEIFER-RENFROE vertical barrel clamp 300 S 1

For upright, inherently stable metal drums with rim (with or without lid).
The steel collar, complete with pivot lever, is fitted around the drum.
The gripping diameter can be altered by an adjusting screw.

for drum	mm	Ø390–Ø415
SWL	kg	800
Weight	kg	9
Reference no.		121921



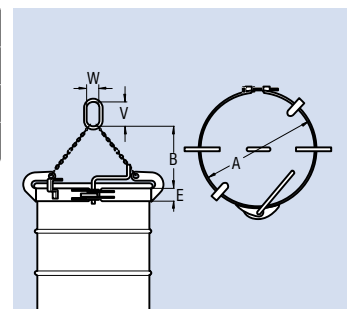
Dimensions in mm		
A Ø390–Ø415	B 490	E 50
V 100	W 90	



PFEIFER-RENFROE vertical barrel clamp 300 S 2

For upright, inherently stable metal drums with rim (with or without lid).
The steel collar, complete with pivot lever, is fitted around the drum.
The gripping diameter can be altered by an adjusting screw.

for drum	mm	Ø560–Ø610
SWL	kg	800
Weight	kg	9
Reference no.		121923



Dimensions in mm		
A Ø560–Ø610	B 445	E 50
V 130	W 80	



Fork lifters

- ▶ All versions with slim fork prongs and with lateral adjustment.
- ▶ Alternatives with manual or automatic centre-of-gravity compensation
- ▶ Alternatives with rigid or adjustable loading heights
- ▶ Steel-grit blasted, de-rusted and painted in orange – RAL 2003
- ▶ Engineered according to EN 13155, designed according to DIN 15018 H2 B2.
- ▶ Suspension suitable for single crane hooks according to DIN 15401
- ▶ Supplied including complete documentation in accordance with CE standards.
- ▶ Lashing belts are compulsory for load restraint when used for construction sites and “overhead transport”. Applies to all models of fork lifters.
- ▶ The centre of gravity must always be at half the length of the prong, i. e. at 500 mm.



Safety advice:
For economic and safe transportation of palletised goods on ground level.

The professional programme of highest quality:

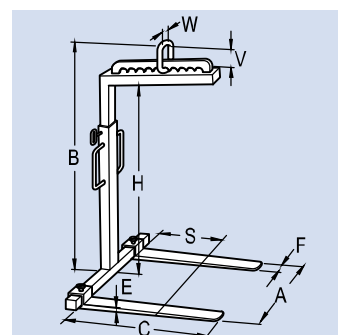
- available in different designs and sizes
- manufactured from high-class materials and in light-weight design

Fork lifter model PMS with manual centre-of-gravity adjustment in the unloaded condition



Fork lifter with manual centre-of-gravity compensation by adjusting the position of the lifting ring on the grid.

SWL		1000	1500	2000	2500	3000
Prong length	C	1000	1000	1000	1000	1000
Prong section	F x E	80x40	80x40	100x50	120x50	120x50
Prong adjusting range	A min.–max.	300–1000	300–1000	400–1000	400–1000	400–1000
Suspension eye dimension	W x V	75x70	75x70	140x190	140x190	140x190
Centre of gravity	S	500	500	500	500	500
Weight		105	115	160	180	190
Fixed loading height	H	1300	1300	1300	1300	1300
Installation height	B	1650	1700	1830	1900	1950
Reference no.		114737	114738	114739	114740	114741

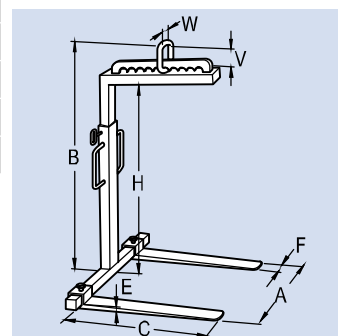


Fork lifter model PMS-H with manual centre-of-gravity adjustment in the unloaded condition and height adjustment



As for model PMS but with adjustable loading height

SWL		1000	1500	2000	2500	3000
Prong length	C	1000	1000	1000	1000	1000
Prong section	F x E	80x40	80x40	100x50	120x50	120x50
Prong adjusting range	A min.–max.	300–1000	300–1000	400–1000	400–1000	400–1000
Suspension eye dimension	W x V	75x70	75x70	155x90	140x190	130x220
Weight		125	135	195	220	230
Adjustable loading height	H min.–max.	1300–2000	1300–2000	1300–2000	1300–2000	1300–2000
Installation height	B min.–max.	1650–2350	1700–2400	1830–2530	1900–2600	1950–2650
Reference no.		114747	114748	114749	114750	114751



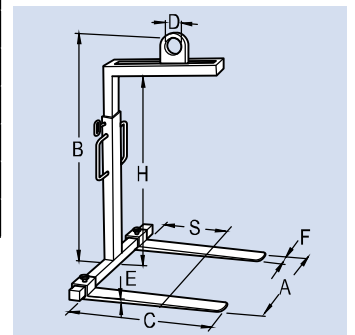
Safety advice:
For activating the trolley a
minimum load of 20–25%
of the rated load is required!

Fork lifter model PAS with automatic centre-of-gravity adjustment between the loaded and unloaded conditions



Fork lifter with automatic centre-of-gravity compensation by trolley and tension spring.
 This adjusts the suspension to the centre of gravity smoothly and automatically (minimum load 20-25% of rated load).

SWL		1000	1500	2000	2500	3000
Prong length	C	1000	1000	1000	1000	1000
Prong section	F × E	80×40	80×40	100×50	120×50	120×50
Prong adjusting range	A min.–max.	300–1000	300–1000	400–1000	400–1000	400–1000
Suspension eye dimension	D	120	120	150	150	150
Centre of gravity	S	500	500	500	500	500
Weight		105	110	155	170	185
Fixed loading height	H	1300	1300	1300	1300	1300
Installation height	B	1790	1830	1900	1900	1985
Reference no.		114732	114733	114734	114735	114736

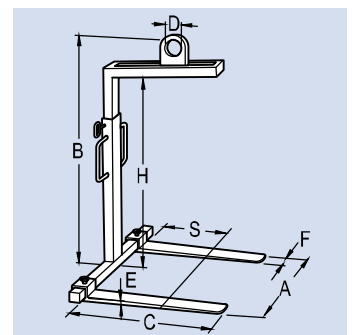


Fork lifter model PAS-H with automatic centre-of-gravity adjustment between the loaded and unloaded conditions and height adjustment



as for Model PAS but with adjustable loading height

SWL		1000	1500	2000	2500	3000
Prong length	C	1000	1000	1000	1000	1000
Prong section	F × E	80×40	80×40	100×50	120×50	120×50
Prong adjusting range	A min.–max.	300–1000	300–1000	400–1000	400–1000	400–1000
Suspension eye dimension	D	120	120	150	150	150
Weight		120	125	190	200	220
Adjustable loading height	H min.–max.	1300–2000	1300–2000	1300–2000	1300–2000	1300–2000
Installation height	B min.–max.	1790–2490	1830–2530	1900–2600	1900–2600	1985–2685
Reference no.		114742	114743	114744	114745	114746



Lifting and turning devices

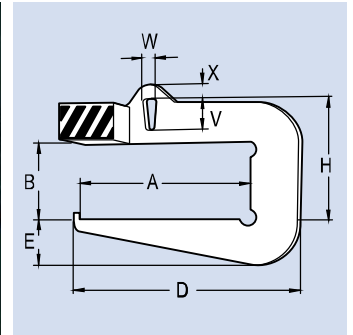
Coil handling

► For special designs and coil hooks with automatic weight balancing, please consult Pfeifer

Coil hook with counterweight and 4/4 prong



For the transport of coils, wire rings and hollow round bodies. Sturdy for rough handling. Special design emphasising statics definitely prevents dangerous notch tensions. Prong with safety cam, handle for manual positioning. Rigid counterweight, reaching – for the short models – up to the upper edge of the suspension eye. Prong being horizontal in unloaded position, slightly inclined backwards or horizontal under load. Suspension eye for suitable single hook according to DIN 15401



SWL kg	Dimensions in mm								Weight approx. kg	Reference no.
	A max.	B	D	E	H	V	W	X		
2500	400	500	585	120	680	140	70	40	70	114639
2500	1000	500	1240	175	680	140	70	40	155	114641
5000	700	600	975	190	830	180	90	50	215	114643
5000	1500	600	1820	245	830	180	90	50	450	114645
7500	800	700	1110	220	1010	250	120	60	365	114647
7500	1500	700	1870	285	1010	250	120	60	640	114649
10000	1000	700	1370	265	1070	300	130	70	560	114651
10000	1500	700	1905	300	1070	300	130	70	805	114652
16000	1200	700	1645	310	1140	360	160	80	1025	114655
16000	2000	700	2500	380	1140	360	160	80	1700	114657
20000	1500	900	2060	365	1410	420	180	90	1690	114659
20000	2000	900	2550	392	1410	420	180	90	2275	114660
25000	1600	900	2160	392	1450	450	200	100	2185	114662

Additional equipment: tube segments for delicate coil surfaces, rest or set-down frame, wide plate with protective cover, without safety cam. Also available with 3/4 prong or twin hook suspension.

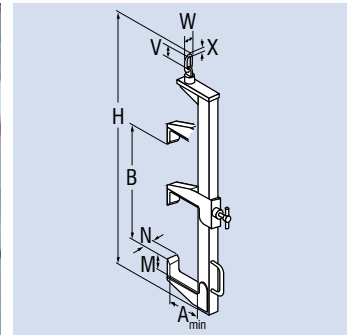
Other models and special versions available on request.

Coil turnover hook with form-fit safety latch



new!

For 90° turning, transportation and placement of strapped and form stable strip steel rings. The strip steel ring is gripped at its internal diameter and positively secured at the outside diameter by an adjustable lifting arm.



SWL kg	Dimensions in mm										Weight approx. kg	Reference no.
	A min.	A max.	B	D max.	H	M	N	V	W	X		
500	25	60	650	600	1071	80	65	57	34	16	12	238570
1000	25	100	750	700	1203	80	65	57	34	16	15	238571
2000	50	200	750	700	1321	80	80	57	34	16	43	238572
3000	95	200	800	750	1490	100	100	115	50	22	100	238573
3500	100	230	800	750	1560	100	100	115	50	22	100	238574

D max. = maximum winding thickness of the strip steel ring

A min. = minimum width of the strip steel ring; A max. = maximum width of the strip steel ring

For models featuring special designs, please consult PFEIFER

Coil storage system

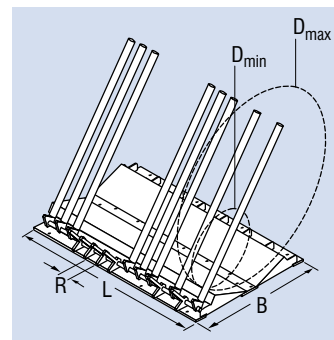
To ensure proper and safe storage of slit coils of all kinds. Consisting of a trough-shaped storage unit and support posts to safeguard against tipping. Storage space can be expanded as required. Can be screwed to the factory floor.

For slit coils with widths of 90 mm to 200 mm.

The support posts can be pivoted outwards to make it easier to reposition them. (8 x anti-support posts are included in the delivery)

CE

new!



SWL kg	Dimensions in mm					Weight approx. kg	Reference no.
	B	D min.	D max.	L	R		
2000	1320	700	1800	2000	84	430	235358

Internal wire coil grab

Mechanically operated triple-arm lifting grab, closes under load, with automatic hold-open device.

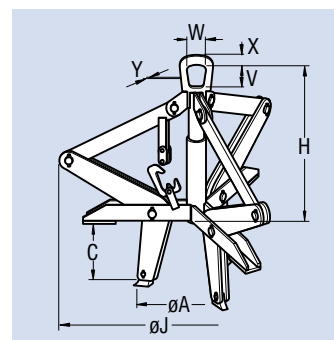
For transport of form stable, strapped wire coils, reinforcing steel coils, etc. with vertical axis.

Lever design, with load-dependent clamping force. Gripping pads in toothed design for safe transport

Automatic hold-open device

Suspension eye for suitable single hook according to DIN 15401

CE



SWL kg	Dimensions in mm										Weight approx. kg	Reference no.
	A min.	A max.	C	H	J min.	J max.	V	W	X	Y		
3000	550	800	250	940	950	1300	105	82	35	20	110.000	114089
5000	600	900	280	1140	1120	1500	105	82	35	20	234.877	220380

Optional equipment: Gripping leg adapted for other coil width. Two leg grab for special winders. Larger central pipe for centring spike up to 120 mm diameter. Special cams available on request.

Simply brilliant!

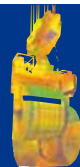
CE



PFEIFER – Turning Table

► The PFEIFER Turning Table for handling and turning different loads weighing up to 6 tonnes.

- The supporting table will be customised to suit your needs.
- Space saving design, because loading and unloading will be done from the same side.
- Gentle turning of different loads, e.g. steel coils, palletised slit coils, paper rolls, injection moulds etc.
- Carrying capacities up to 6 tonnes available.
- Higher carrying capacities on request.
- Can be moved wherever the need arises thanks to lifting eyes and fork lift pockets.
- Very secure as the load is turned around its centre of gravity.

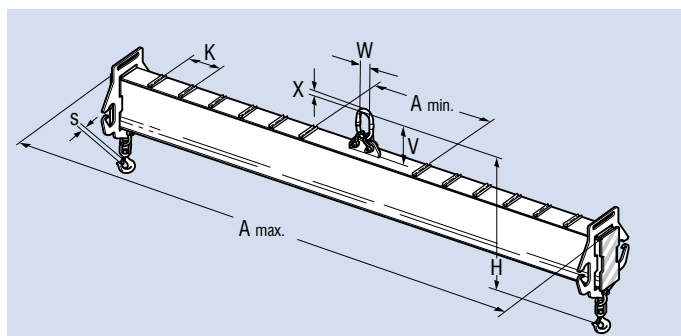


Spreader beams

Adjustable spreader beams



- ▶ Spreader beam made from fine-grained structural steel for heavy-duty applications
- ▶ Working temperature from -20 to 100°C
- ▶ Manually adjustable attachment points with swivel eye load hooks (not swivelling under load) and suspension hooks
- ▶ Adjustable yokes equipped with lateral attachment hooks
- ▶ The attachment hooks are especially rounded off to protect lifting slings used for attachment
- ▶ Spreader beam suspension suitable for single hook according to DIN 15401
- ▶ Attachment angle up to 45° without any loss in SWL for the spreader beam
- ▶ All versions can be manufactured according to individual customer requirements, please enquire.
- ▶ Spreader beam suspension also possible for twin hooks acc. to DIN 15402
- ▶ Standard designs conform to EN 13155, with 20,000 load cycles. Higher ratings can be supplied – please consult PFEIFER



Multi-adjustable spreader beam for handling different loads.

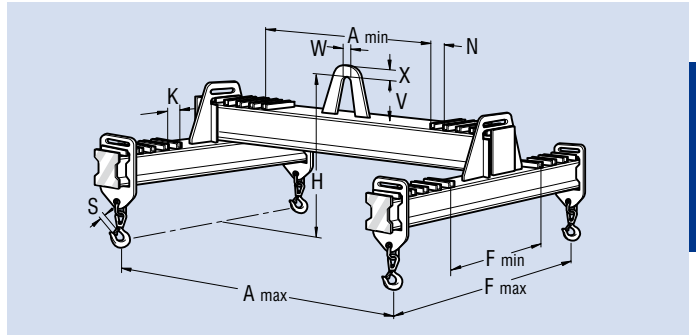
SWL kg	Dimensions in mm								Weight approx. kg	Reference no.
	A min.	A max.	H	K	S	V	W	X		
1000	400	1000	560	150	22	120	70	14	26	215445
1000	700	1600	560	150	22	120	70	14	36	215446
1000	1000	2500	560	150	22	120	70	14	46	215447
1600	800	1600	560	200	22	120	70	14	40	215448
1600	900	2500	560	200	22	120	70	14	50	215449
1600	1150	3150	600	200	22	120	70	14	76	215450
2500	900	2500	650	200	22	140	80	16	75	215451
2500	1150	3150	650	200	22	140	80	16	90	215452
2500	1200	4000	690	200	22	140	80	16	150	215453
4000	1000	2500	740	250	25	135	75	18	105	215454
4000	1000	4000	840	250	25	135	75	18	200	215455
4000	1500	5000	840	250	25	135	75	18	240	215456
6300	1150	3150	880	250	28	160	90	23	170	215457
6300	1000	4000	880	250	28	160	90	23	210	215458
6300	1500	5000	1030	250	28	160	90	23	410	215459
10000	1000	4000	1150	300	34	200	110	33	365	215460
10000	1400	5000	1150	300	34	200	110	33	435	215461
10000	1500	6300	1220	300	34	200	110	33	640	215462
16000	1600	4000	1380	400	43	260	140	36	510	215463
16000	1800	5000	1380	400	43	260	140	36	590	215464
16000	1500	6300	1470	400	43	260	140	36	850	215465

Spreader beam, longitudinally and laterally adjustable

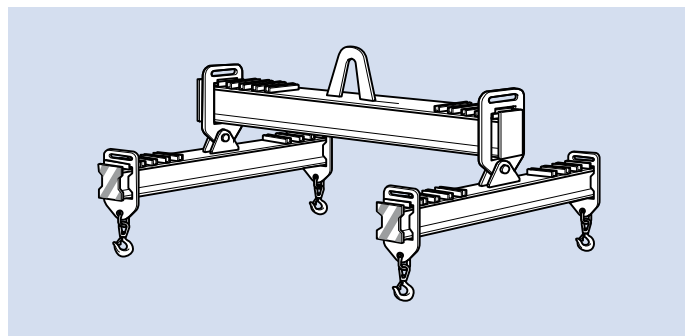


- ▶ Adjustable spreader beam made entirely of fine-grained structural steel for heavy-duty applications
- ▶ Load suspension via four swivel-eye, safety load hooks (not for swivelling under load) with adjustable yokes, manually adjustable to different working lengths
- ▶ Spreader beam suspension for single crane hooks according to DIN 15401, optionally for twin hooks according to DIN 15402, alternative suspension arrangements also available
- ▶ Crosswise girders can be easily removed for space-saving storage and transport
- ▶ Spreader beam can also be supplied in a non-adjustable design with four fixed load hooks
- ▶ We can manufacture all versions to individual customer requirements – please enquire.
- ▶ Standard designs conform to EN 13155, with 20,000 load cycles. Higher ratings can be supplied – please consult PFEIFER
- ▶ Only suitable for loads with barycentric centre of gravity

Modular spreader beams for particular lifting and transport processes. With four-point attachment via swivel load hooks, can be used for a variety of applications, manual adjustment for working lengths in longitudinal and lateral directions.



SWL kg	Dimensions in mm											Weight approx. kg	Reference no.
	A min.	A max.	F min.	F max.	H	K	N	S	V	W	X		
2500	1000	2000	520	1000	760	60	100	22	150	70	45	120	114545
2500	2200	4000	1000	2000	800	100	150	22	150	70	45	260	114547
4000	1000	2000	520	1000	890	60	100	24	175	80	50	150	114548
4000	2200	4000	1000	2000	950	100	150	24	175	80	50	380	114550
6300	1500	3000	800	1500	1050	70	150	25	210	95	55	320	114551
6300	2000	4000	1000	2000	1110	100	200	25	210	95	55	440	114552
10000	1500	3000	1000	2000	1250	100	150	28	235	100	70	677	114554
10000	2000	4000	1600	3000	1200	100	200	28	235	100	70	810	114555
16000	1500	3000	1000	2000	1300	100	150	34	300	125	85	820	114556
16000	2000	4000	1600	3000	1400	100	200	34	300	125	85	1050	114557



Spreader beam longitudinally and laterally adjustable with moveable cross beams

For lifting of loads with eccentrically positioned centres of gravity. Pin-jointed cross beams for equal load distribution to avoid mechanical load and deformation of the girder by twisting stress.

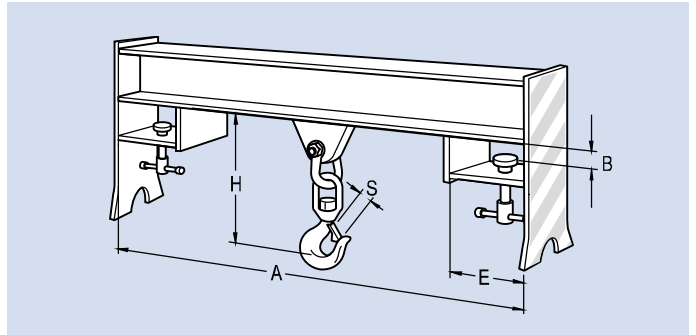


Spreader beams for fork lifter applications



- ▶ Fork lifter spreader beams made from fine-grained structural steel for heavy-duty applications
- ▶ Load suspension via central, swivel-eye, safety load hook (not for swivelling under load), option available with ball-bearing safety load hook for swivelling under load (extra charge)
- ▶ Locked onto the prongs by two tommy screws with ball-and-socket-jointed compression discs.
- ▶ With set-down legs at the side for easy pickup by the fork lifter prongs and safe and compact storage

Modular spreader beams for particular lifting and transport processes. For slipping onto fork prongs or for direct pickup by the fork lifter truck. Solid design made from steel section with welded pockets for fork lifter prongs.



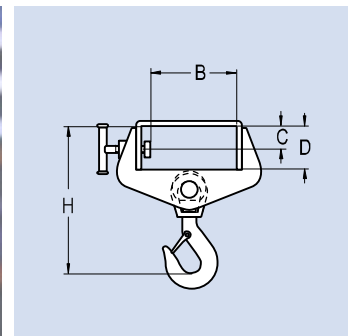
SWL kg	Dimensions in mm					Weight approx. kg	Reference no.
	A	B	E	H	S		
1000	600	55	180	240	22	13.0	171247
2500	600	60	180	265	25	25.8	171248
5000	600	60	180	350	34	32.0	171249
10000	950	70	210	365	53	100.0	171250

We can manufacture all versions to individual customer requirements – please enquire.

Adapter for fork lifter prong



Lightweight construction for use by fork lifter prong, with central swivel-eye, safety load hook* and clampable tommy screws



SWL kg	fork lifter truck width x height mm	Dimensions in mm				Weight approx. kg	Reference no.
		B	C	D	H		
1000	125×50	110	20	50	185	4	181062

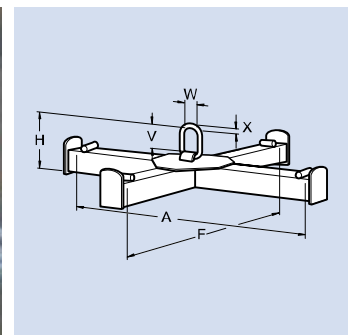
* = not for swivelling under load! Optional ... available against additional charge!

Also available with SWL 2 or 3 tonnes – please enquire.

Spreader beam for big-bags



Cross-shaped spreader beam made from fine-grained structural steel in closed, hollow section design with four-point suspension for suspending the big-bag loops directly over the hollow section (= low overall height). Spreader beam suspension suitable for single hook according to DIN 15401



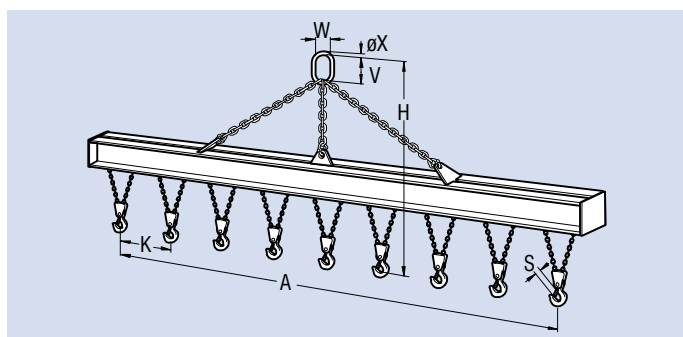
SWL kg	Dimensions in mm						Weight approx. kg	Reference no.
	A	F	H	V	W	X		
1000	900	900	185	53	56	18	24	201872
2000	900	900	215	63	67	22	32	201873

Equalising spreader beams

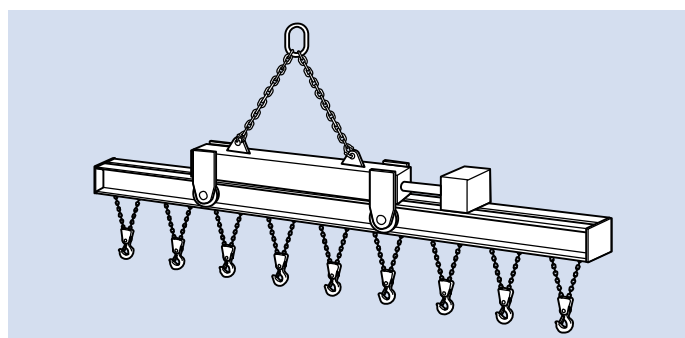


- ▶ Equalising spreader beam made of fine-grained structural steel for heavy-duty applications
- ▶ Load is taken by 7–13 swivel-eye safety load hooks (not for swivelling under load)
- ▶ Low-swing chain suspension for single crane hooks according to DIN 15401, optionally for twin hooks according to DIN 15402 (lower spreader beam dead weight!) and other suspension options can be supplied
- ▶ Maximum load on one single hook is 2,000 kg! Note the total working load limit of the spreader beam! Optionally with load hooks with load-bearing capacities of more than 2,000 kg!
- ▶ For asymmetric load distribution, optionally available with adjustable suspension (adjustment manually or by electric motor). With electric-motor adjustment, operation by control cable and keypad. Options include wireless remote control, supply cable with 16 pole plug to connection (interface for crane system).
- ▶ We can manufacture all versions to individual customer requirements – please enquire.

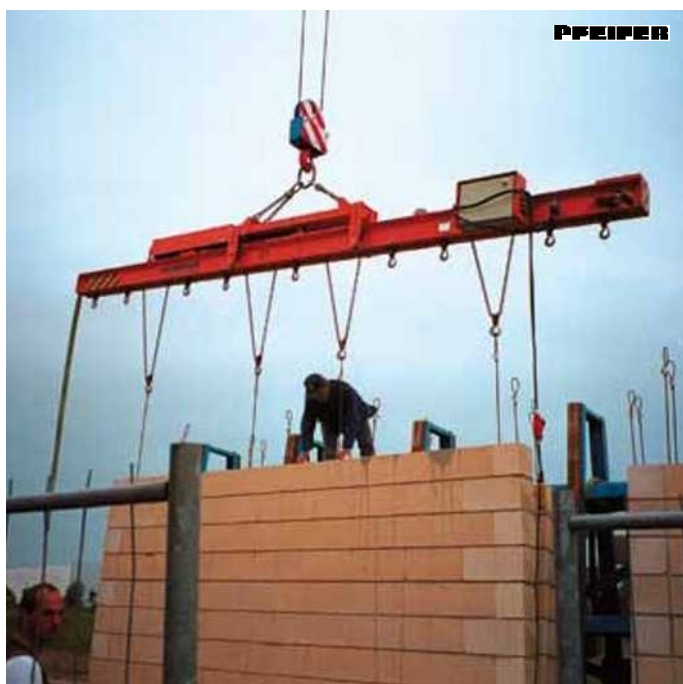
Modular spreader beams for particular lifting and transport processes. High-tensile, swivel-eye, safety load hooks with slide shoes are movably mounted on a continuous, high-tensile steel chain. Thus, height compensation and uniform loading of all load-suspension points is implemented automatically. When not all the load hooks are in use, the height compensation of the chain strand is facilitated by the chain shortener at the end of the chain.



SWL kg	Dimensions in mm							Weight approx. kg	Reference no.
	A	H	K	S	V	W	X		
3500	3000	1340	500	29	160	90	22	160	114530
5000	4000	1740	500	29	180	100	26	210	114538
8000	6000	2140	500	29	180	100	26	290	114539
10000	6000	2200	500	35	220	145	33	440	114540



Design with adjustable suspension



Lifting and turning devices

Motorised Turnover Spreader Beams

System spreader beams for individual lifting and handling processes. For transporting and turning stable loads with axially symmetric centre of gravity. Turning operation is carried out by endless slings or chains. Double or four stranded suspension for reduced oscillation and increased stability.

- ▶ Turnover spreader beam made from fine-grained structural steel for heavy duty applications.
- ▶ Includes two endless slings of 10 m circumferential length, alternatively coated slings or split version as well as with chains in endless or split version.
- ▶ Operated using control cable and switch alternatively by radio remote control
- ▶ Power supply cable with 16-pole plug connectors (interface to crane system)
- ▶ Low-swing chain suspension for single crane hooks according to DIN 15401; option of double crane hook DIN 15402 and alternative suspensions



- ▶ Version with fixed or manually adjustable working length. Also available in electro-mechanical design, continuously adjustable design that can be used to balance the non-centric centre of gravity of the load
- ▶ All versions manufactured only according to individual customer requirements

Spreader beam with two adjustable turning units

Two separate electro-mechanical turning units in a robust double-mount. Two separate electro-mechanical drives for longitudinal adjustment. Control of the crosswise adjustment: The working length is synchronously adjustable inwards and outwards. Both turning units can be moved synchronously under load to the right or to the left. Additionally, every turning unit can be moved individually in either direction (centre of gravity compensation).



Spreader beam with two fixed turning units (above right)

Two fixed working widths with an electromechanical slewing drive. Slings can be manually relocated using parallel rollers.

Spare slings

We also supply spare slings for turnover spreader beams: in coated or uncoated versions, as endless slings or split (see page 122 onwards). We are glad to provide detailed advice.

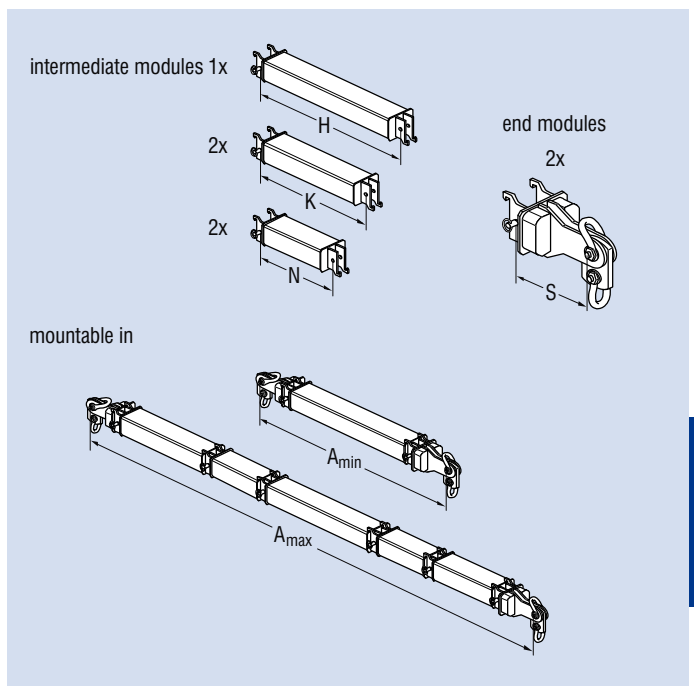


Spreaders

- ▶ Spreader beam with a particularly low dead weight but high working load limit at the same time
- ▶ Flexibility in use through modular design for loads of variable lengths
- ▶ Working length of the spreader beam adjustable in 1 m steps
- ▶ The load is attached to the end modules, which are equipped with shackles
- ▶ For suspending the spreader beam, the end modules are equipped with shackles for attaching a chain suspension gear
- ▶ Easily transported, quickly configured



Modular spreader beams for particular lifting and transport processes. The modular spreader beam consists of intermediate modules of different lengths that, together with 2 end modules, can be combined into a spreader beam with various overall lengths. The individual modules are bolted together quickly and safely.



SWL kg	Dimensions in mm						Weight approx. kg	Reference no.
	A min.	A max.	H	K	N	S		
14000	3000	6000	1 x 2000	—	3 x 1000	2 x 500	460	241728
20000	3000	6000	1 x 2000	—	3 x 1000	2 x 500	600	241729
34000	3000	8000	1 x 2000	2 x 1500	2 x 1000	2 x 500	1000	241730
50000	3000	8000	1 x 2000	2 x 1500	2 x 1000	2 x 500	1450	241731

1-leg suspension gear for double crane hooks

From design considerations, the 50,000 kg suspension gear uses ropes instead of chains.

SWL spreader beam	kg	14000	20000	34000	50000
Effective length	mm	4100	4000	5400	—
Nominal size of chain	mm	19	22	54	—
for rope Ø		—	—	—	48
Dimensions of the masterlink	mm	200×110	260×140	340×180	—×—
Reference no.	running metre	242260	242262	242264	241733

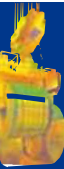
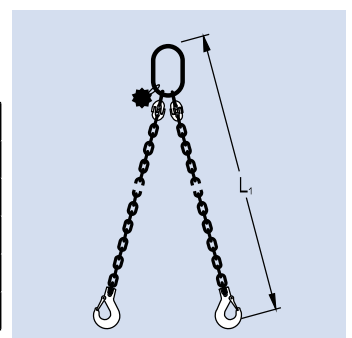
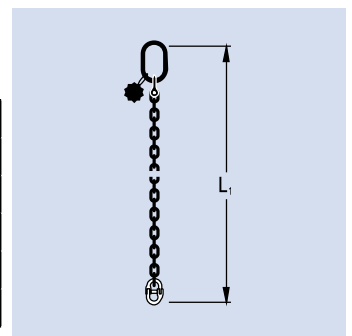
Please always specify the reference number and effective length L_1 when ordering!

2-leg suspension gear for single crane hooks

From design considerations, the 50,000 kg suspension gear uses ropes instead of chains.

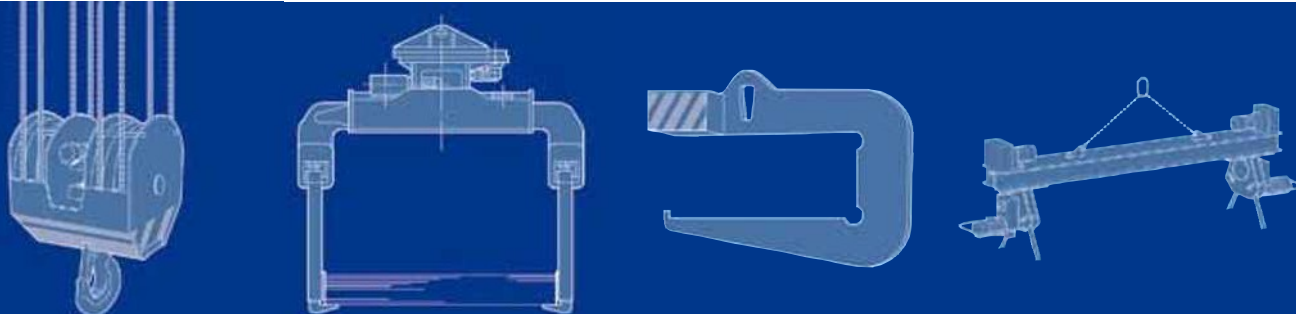
SWL spreader beam	kg	14000	20000	34000	50000
Effective length	mm	4100	4000	5400	—
Nominal size of chain	mm	19	22	26	—
for rope Ø		—	—	—	48
Dimensions of the masterlink	mm	260×140	340×180	350×190	—×—
Reference no.	running metre	242259	242261	242263	241732

Please always specify the reference number and effective length L_1 when ordering!



Why choose a lifting device by PFEIFER?

The cooperation with us gives you a feeling of confidence!



Our lifting devices are designed with safety as a priority.

Since **29.12.2009** lifting devices may only be supplied in accordance with the requirements of the new Machinery Directive **2006/42/EC**. This directive governs the machine manufacturer's duties for accident prevention and is binding for the European Economic Area. One of the manufacturer's duties is to undertake a **risk assessment**. This systematically examines all the risks which could arise during the entire lifetime of a lifting device. Carrying out a risk assessment requires experienced specialists, particularly in the realm of lifting technology. Unfortunately there are always manufacturers who, underneath the



glossy advertising, offer poorly designed products, often low-quality copies with a short service life. The non-specialised buyer is completely unable to recognise these for what they are. The result: increased safety hazard, downtimes, expensive retrofitting. Many customers have therefore decided to choose **"Made by PFEIFER"** meaning not only **"Made in Germany"** but also **"100% CE"**. This is another reason for the leading position held by PFEIFER products.



Choosing PFEIFER gives you the following:

- PFEIFER has implemented an integrated process-orientated management system which is certified in accordance with **BS EN ISO 9001**.
 - PFEIFER has an international certification in accordance with the assembly and service standard **SCC (Safety Certificate for Contractors)**. The SCC is an international standard for technical service providers who operate in the premises of a customer and carry out technical services there such as maintenance, assembly and crane operations.
 - PFEIFER has a wealth of experience in welded, heavy duty lifting devices and the German Qualification Certificate in accordance with **DIN 18800**. In addition, our welders who are tested in accordance with EN 287, only process sheet metal with **3.1 certificates** and are checked regularly.
 - Naturally we include a test of CE compliance, individual operating instructions derived from this and an acceptance test prior to delivery. **(EN 13155/EN 15018)**
 - A **product liability insurance** amounting to millions of Euros is a sign of PFEIFER's sense of responsibility.
- When deciding what to buy, consider whether you are really getting value for money. Do not make savings at the expense of quality and therefore safety. **A CE-compliant lifting device with a careful risk assessment can save lives.** Do not do without this added value for the benefit of lower prices.



We believe that while cheap may be cool, quality from PFEIFER is safe.



Spreader beams

Development, design and manufacture of spreader beams for individual loads, transport processes and crane systems.

- ▶ For loads of up to several 100 tonnes in weight.
- ▶ Fitted with all attachment devices on request.
- ▶ Load test and approval by an independent institute on request.

Long-hook spreader beam for the transport of paper rolls of 4 m dia., working length 8 m



Frame-shaped spreader beam for transporting precast concrete elements of 45 t



Adjustable spreader beam for loads up to 180t with integrated load hooks



Long-hook spreader beam fitted with slewing gear for lifting and positioning loads up to 138t



Pipe spreader beam for transport of rotor blades for offshore wind turbines



Spreader beam for the transport of water turbines up to 250 t

Spreader beams for loading locomotives



Lifting and turning devices

Case studies on the safe handling of heavy duty loads



Rail-mounted vehicle for transporting casting moulds

Moulding tools are needed for the production of cast parts. These consist of upper and lower boxes filled with sand. The form of the part to be cast is pressed into the sand using a model. After casting, the moulding boxes must be dismantled, emptied and cleaned.

In order to carry out this transport operation without a crane, PFEIFER developed a rail-mounted conveyor vehicle. The PFEIFER rail-mounted vehicle has a level support surface of 4.2 x 4.2 metres, on which moulding boxes weighing up to 100 tonnes are placed. The rail-mounted vehicle drives the 14m distance between the workshops at a speed of 8.5m/min. This requires a rail mounting consisting of 12 rollers and four

1.1 kW motors. The rail-mounted vehicle itself weighs 11 tonnes. While the vehicle is in operation, operator safety is ensured by light and sound signals.



Turning table for sheet stacks

To carry out de-palletising, checking and erecting sheet stacks up to 90° for the purpose of incoming goods inspection, PFEIFER made further developments to the proven turntable, based on the disc turning principle. For loading and unloading the turntable, "fork hollows" are inserted into the support surface so that the metal sheets can be removed without requiring pallets. Two electromechanically adjustable supports are used to secure the sheets: these have to be moved onto the stack of sheets before they are turned. There is also a height-adjustable latch integrated into the supports which secures the sheets from tipping backwards. With a carrying capacity of 5 tonnes, the turntable has a table width of 2 m and dead weight of

3 tonnes. The turning table is fitted with a frequency-controlled motor for smooth starting and stopping so that the load (sheet stack) is turned gently. Protective plastic covers are fitted to the supports and the opposite side so that the metal sheet is not damaged.

