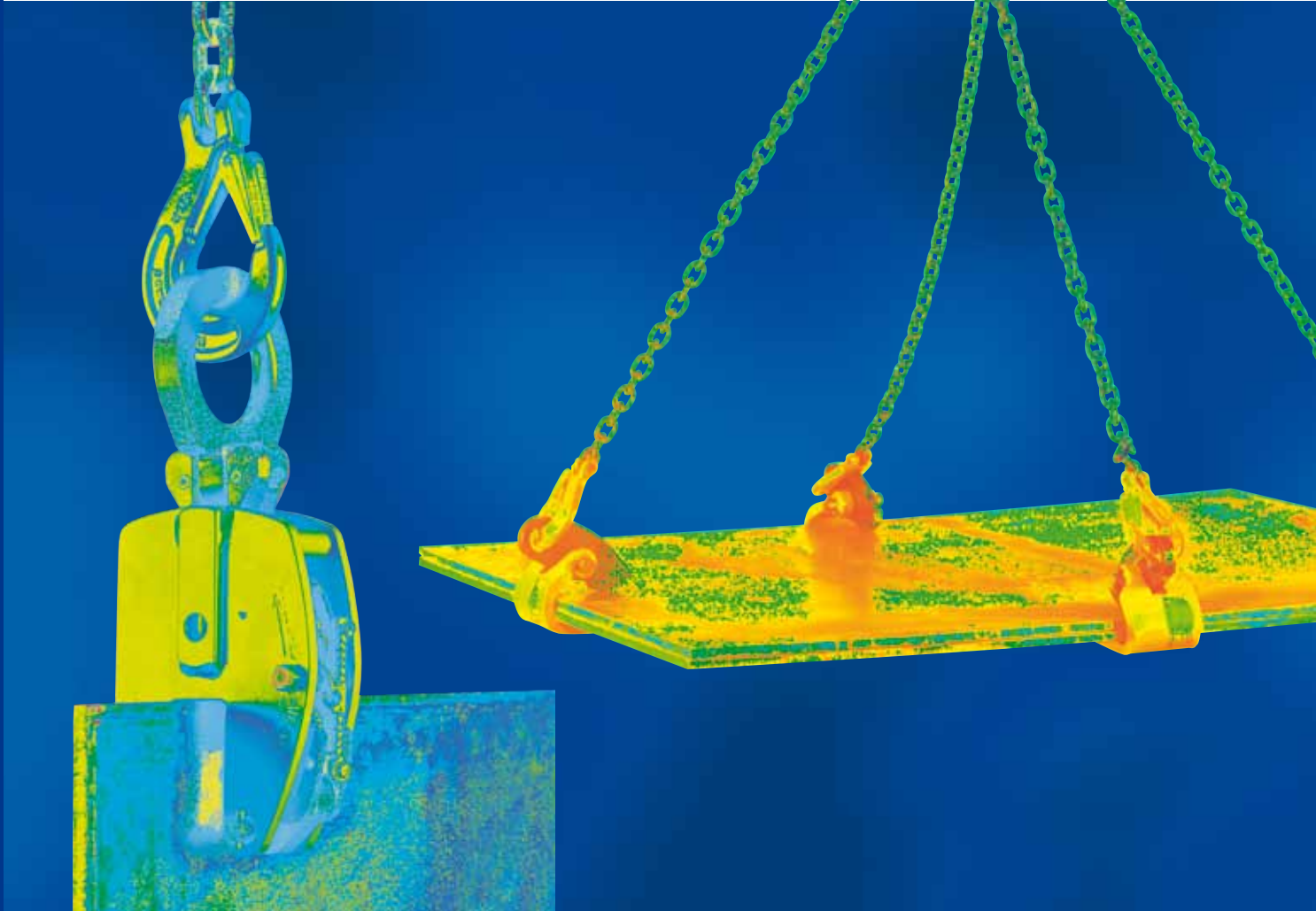


# PFEIFER



## PFEIFER-RENFROE, the safest method to lift steel!

08/2014



08.14.10.4C WAHZ 282852

## Lifting Clamps and Grabs

**PFEIFER**  
**SEIL- UND HEBE TECHNIK**  
**GMBH**

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# PFEIFER-RENFROE

## clamps MPS 1/MPS 2



### Product advantages

-  Functional tool for lifting steel by crane
-  For the transport of sheets, steel plates, girders and structural steel elements
-  With rigid lifting shackle
-  Available with two types of locking systems
-  Also available for Stainless Steel and extra Hard Steel Sheets

*Every lifting clamp is  
manufactured at the  
PFEIFER headquarters  
in Memmingen!*

### General conditions of usage

- Lifting clamps for vertical lifting and turning by 180°
- The maximum surface hardness of the load to be transported must not exceed 300 HB.
- Use lifting clamps in a temperature range from -20°C to +100°C (ambient or load temperature)
- A minimum load weight of 10% of the nominal carrying capacity of the load must be lifted (i. e. 100 kg with a clamp for 1 to carrying capacity).

CE



### Product applications

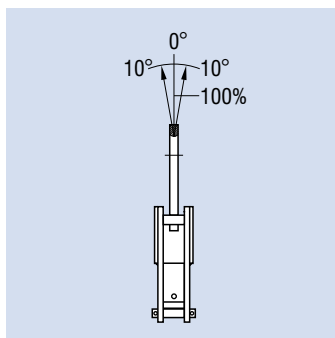
- Vertical lifting and turning by 90°
- Turning by 180°
- Lifting of girders in horizontal position by use in pairs
- Turning of girders



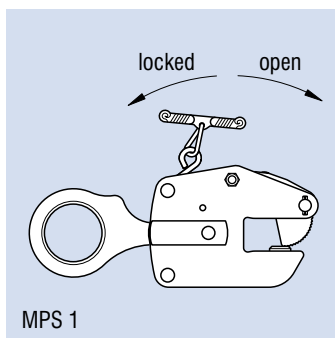
## Product characteristics



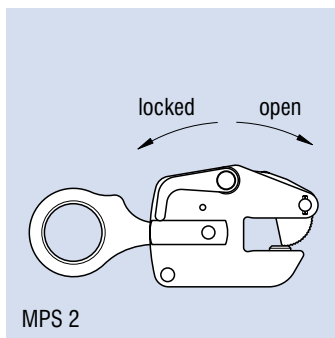
**The body is welded.** Perfect protection for the lever mechanism for a long life. Changing any body parts is not necessary!



Rigid suspension, max. diagonal pull 10°



**Type MPS 1:** When the locking mechanism is closed, there is a spring tension on the gripping cam, so that the clamp cannot come loose from the load even in case of unintentional release. By opening the locking mechanism and pushing the suspension eye into the body, the clamp can be lifted from the load.



**Type MPS 2:** By opening the locking mechanism, the gripping cam is arrested so that the clamp can be removed from the load without pushing the suspension eye into the body. Advantage: You can easily remove the clamp from the load by crane.



Lifting clamps an grabs

## Product accessories



Each lifting clamp is supplied with a multilingual operating manual acc. to the requirements of the EC Machinery Directive 2006/42/EG.



You can find suitable chain slings in our catalogue PFEIFER-complett 2014/15 as of page 191.

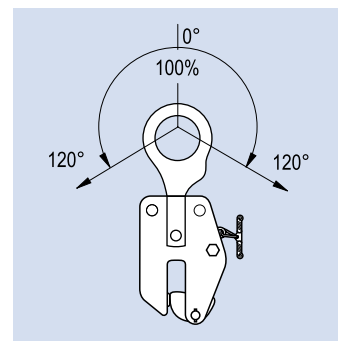


Sheets stored in stacks can be separated quickly, easily and safely for attachment by this functional tool. Article No. 121977



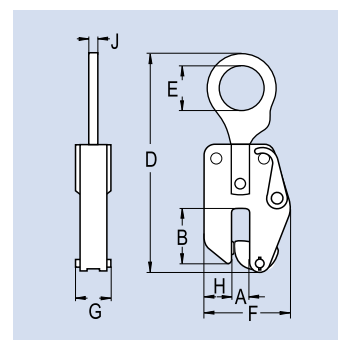
Spare parts for the clamps are available in perfectly formed sets so that wear parts can be exchanged in a practice-orientated way.

**PFEIFER-RENFROE clamp  
model MPS 1  
with rigid lifting shackle  
and lock-closed feature**



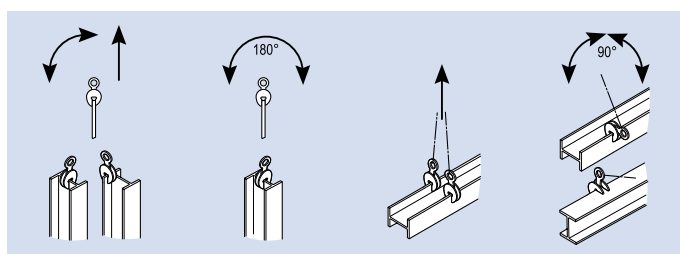
SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
1000	0-25	65	290	60	125	65	45	12	4,4	166770
1000	25-50	65	290	60	150	65	45	12	4,2	166784
2000	0-30	80	370	70	165	72	55	15	7,5	167539
2000	30-60	80	370	70	195	72	55	15	8,0	167541
3000	5-35	105	490	90	195	86	65	20	12,0	161487
3000	35-70	105	490	90	230	86	65	20	13,8	161488
5000	5-50	115	515	90	240	95	85	20	18,6	162874
5000	50-100	115	515	90	290	95	85	20	19,0	168272

**PFEIFER-RENFROE clamp  
model MPS 2  
with rigid lifting shackle  
and with lock-open and  
lock-closed feature**



SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
1000	0-25	65	290	60	125	65	45	12	4,5	166796
1000	25-50	65	290	60	150	65	45	12	4,2	166798
2000	0-30	80	370	70	165	72	55	15	7,5	167564
2000	30-60	80	370	70	195	72	55	15	8,0	167567
3000	5-35	105	490	90	195	86	65	20	13,3	161505
3000	35-70	105	490	90	230	86	65	20	12,5	161504
5000	5-50	115	515	90	240	95	85	20	18,0	168284
5000	50-100	115	515	90	290	95	85	20	19,0	168287

For the main use of the MPS model series please see the attached drawing and the chart on page 94.





# PFEIFER-RENFROE

## clamps MPC 1/MPC 2



### Product advantages

- +** Functional tool for lifting steel by crane
- +** For the transport of sheets, steel plates, girders and structural steel elements
- +** With pivoting Lifting Shackle
- +** Available with two types of locking systems
- +** Also available for Stainless Steel and extra Hard Steel Sheets

*Every lifting clamp is manufactured at the PFEIFER headquarters in Memmingen!*



Lifting clamps an grabs

### General conditions of usage

- Lifting clamps for vertical lifting and turning by 180°
- The maximum surface hardness of the load to be transported must not exceed 300 HB.
- Use lifting clamps in a temperature range from -20°C to +100°C (ambient or load temperature)
- A minimum load weight of 10% of the nominal carrying capacity of the load must be lifted (i. e. 100 kg with a clamp for 1 to carrying capacity).

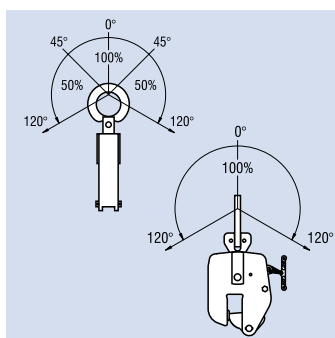
### Product applications

- Vertical lifting and turning by 90°
- Turning by 180°
- Lifting of girders in horizontal position by use in pairs
- Turning of girders

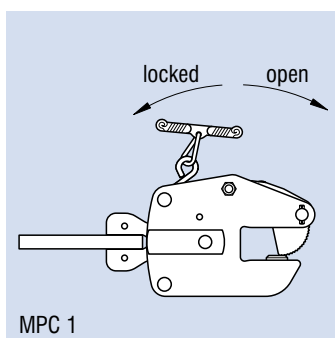
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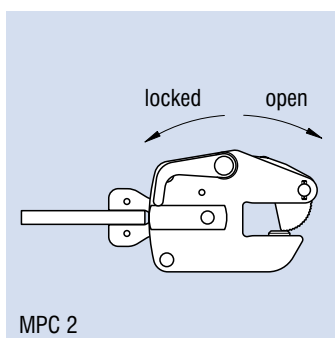
## Product characteristics



The pivoting lifting shackle allows lateral attachment to the sheet.



**Type MPC 1:** When the locking mechanism is closed, there is a spring tension on the gripping cam, so that the clamp cannot come loose from the load even in case of unintentional release. By opening the locking mechanism and pushing the suspension eye into the body, the clamp can be lifted from the load.

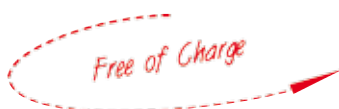


**Type MPC 2:** By opening the locking mechanism, the gripping cam is arrested so that the clamp can be removed from the load without pushing the suspension eye into the body. Advantage: You can easily remove the clamp from the load by crane.



**Clamps with special gripping elements for stainless and extra hard steel plates.** Stainless steel gripping elements provide protection against contact corrosion for stainless steel loads and are suitable for load surface hardness of upto 300 HB. The extra hard gripping elements are suitable for loads with surface hardness from 300 HB upto 450 HB.

## Product accessories



Operating Manual and Spare Part Lists available for Download, See Page 93



Application Questions? Help available round the clock via online videos at [www.pfeifer.de/liftingclamps](http://www.pfeifer.de/liftingclamps)

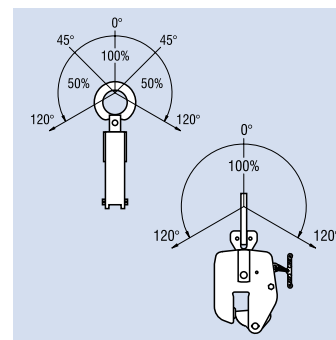


New application poster – all our clamps at a glance! Ask for your free sample at [verkauf-It@pfeifer.de](mailto:verkauf-It@pfeifer.de)!

**PFEIFER-RENFROE clamp  
model MPC 1**  
with pivoting lifting shackle  
and lock-closed feature

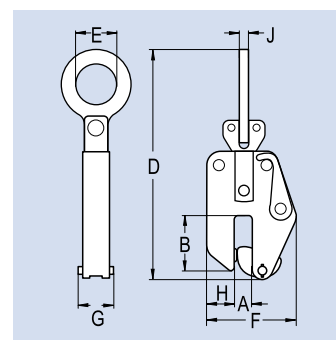


*The miracle attachment*

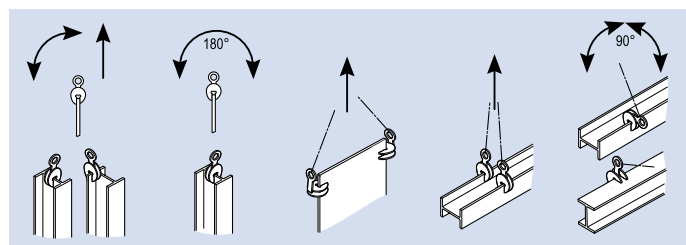


SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
1000	0-25	65	290	60	125	65	45	12	4,90	166788
1000	25-50	65	290	60	150	65	45	12	4,20	166790
2000	0-30	80	370	70	165	72	55	15	7,82	167546
2000	30-60	80	370	70	195	72	55	15	8,00	167552
3000	5-35	105	490	90	195	86	65	20	12,00	161490
3000	35-70	105	490	90	230	86	65	20	12,50	161491
5000	5-50	115	515	90	240	95	85	20	18,00	163216
5000	50-100	115	515	90	290	95	85	20	19,00	168275

**PFEIFER-RENFROE clamp  
model MPC 2**  
with pivoting lifting shackle  
and with lock-open and lock-  
closed feature



SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
1000	0-25	65	290	60	125	65	45	12	5,0	166800
1000	25-50	65	290	60	150	65	45	12	4,8	166802
2000	0-30	80	370	70	165	72	55	15	8,4	167572
2000	30-60	80	370	70	195	72	55	15	8,0	167575
3000	5-35	105	490	90	195	86	65	20	12,0	161512
3000	35-70	105	490	90	230	86	65	20	13,9	161510
5000	5-50	115	515	90	240	95	85	20	22,6	168288
5000	50-100	115	515	90	290	95	85	20	19,0	168289



For main use of the MPC model series please see the attached drawing and the chart on page 94.

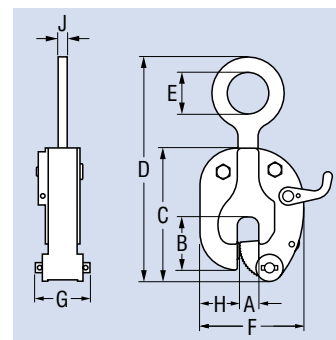
# PFEIFER-RENFROE clamp model G 2

## for heavy-duty lifting

Extremely sturdy and capable for lifts up to 100 tonnes.

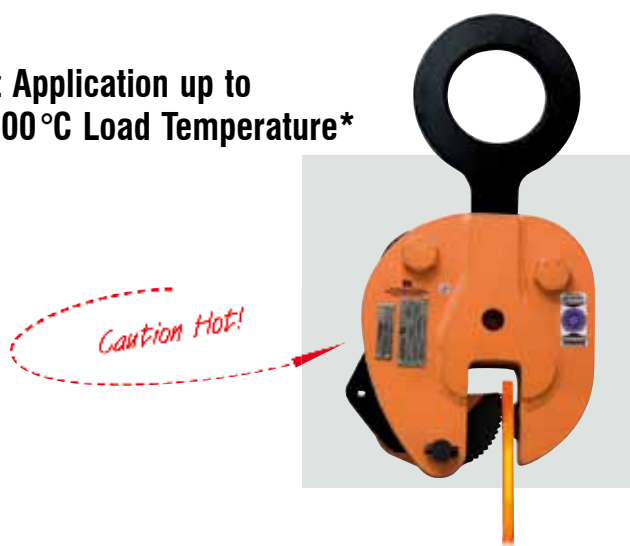
Suitable for the vertical lifting and 90° turning of sheets, steel plates, girders and structural steel elements.

The lifting clamp incorporates the look-open and lock-closed feature. After relieving and securing the load, the clamp can be lifted off with a crane.



SWL kg	Gripping range A mm	Dimensions in mm								Weight approx. kg	Reference no.
		B	C	D	E	F	G	H	J		
4000	0-25	90	254	432	92	215	97	70	19	14,0	121381
4000	19-38	90	254	432	92	230	97	70	19	14,3	121391
4000	32-51	90	254	432	92	241	97	70	19	15,0	121392
4000	44-64	90	254	432	92	254	97	70	19	16,0	121393
6300	0-32	117	292	495	92	243	121	87	19	18,3	121394
6300	25-51	117	292	495	92	262	121	87	19	19,0	121406
6300	44-70	117	292	495	92	281	121	87	19	21,0	121407
6300	64-89	117	292	495	92	300	121	87	19	24,0	121409
6300	83-108	117	292	495	92	320	121	87	19	27,0	121410
10000	0-38	114	354	572	95	260	137	84	25	32,0	121411
10000	25-51	114	354	572	95	273	137	84	25	33,0	121423
10000	51-76	114	354	572	95	298	137	84	25	35,0	121424
10000	70-102	114	354	572	95	324	137	84	25	37,0	121425
10000	95-127	114	354	572	95	350	137	84	25	35,3	121426
12000	0-64	166	457	711	98	345	168	98	45	63,0	121427
12000	51-102	166	457	711	98	383	168	98	45	65,0	121439
12000	102-152	166	457	711	98	433	168	98	45	68,0	121440
12000	140-191	166	457	711	98	472	168	98	45	73,0	121441
20000	13-76	188	578	900	125	432	216	127	64	120,0	121442
20000	76-127	188	578	900	125	483	216	127	64	133,0	121454
20000	127-178	188	578	900	125	534	216	127	64	147,0	121455
20000	178-229	188	578	900	125	585	216	127	64	159,0	121456

## Hot Application up to +500 °C Load Temperature\*



## ... the special Model G2H offers a solution!

The Clamp Model G2H combines the time tested and robust qualities of the clamp G2 with the new Special Gripping Elements. Hence making hot applications upto +500 °C Load Temperature\* possible.

\* in case of continually decreasing Load Temperature.



Simply ask us!



## PFEIFER-RENFROE clamp model CA

with pivoting lifting shackle  
and clever pressure  
distribution

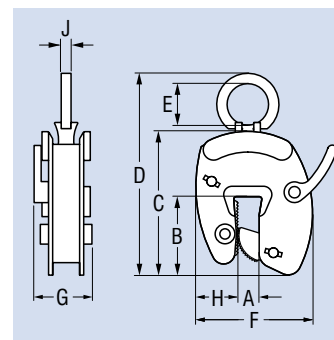
The large cam jaw enables wide  
pressure distribution and thus  
guarantees careful handling of your  
sensitive goods.

For vertical lifting and 180° turning of

sheets, steel plates, girders and structural steel elements.

The pivoting shackle enables easy handling due to unmatched attachment angles.

**The lifting clamp incorporates the look-open and lock-closed feature. After  
relieving and securing the load, the clamp can be lifted off with a crane.**



SWL kg	Gripping range A mm	Dimensions in mm								Weight approx. kg	Reference no.
		B	C	D	E	F	G	H	J		
3200	3–35	130	280	415	80	215	110	80	19	13	120813
3200	35–70	130	280	415	80	245	110	68	19	14	120863
5000	5–45	145	350	510	90	300	120	100	19	25	120868
5000	45–85	145	350	510	90	335	120	80	19	27	120907
8000	10–65	205	430	610	90	350	140	120	32	41	120915
8000	65–120	205	430	610	90	400	140	105	32	43	120955

Available up to an SWL of 12 to

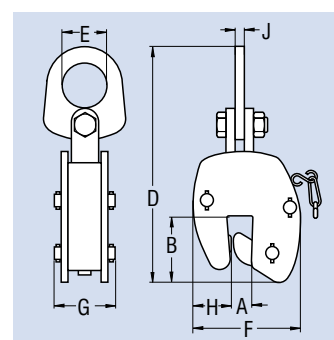
## PFEIFER-RENFROE clamp model CS

with pivoting lifting shackle

Lifting clamp with universal joint and safety  
device, lock-closed feature. The  
lock-closed feature also holds the clamp  
tight when the load is unintentionally  
released.

Suitable for the vertical lifting and 180°  
turning of sheets and girders.

The pivoting shackle enables easy handling due to unmatched attachment angles.  
Even lateral attachment to the load is allowed.



SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
500	0–15	50	220	43	100	56	32	9,5	1,3	121047
500	15–30	50	220	43	115	56	32	9,5	1,5	121053



Lifting clamps an grabs

# PFEIFER clamps M 2



## Product advantages

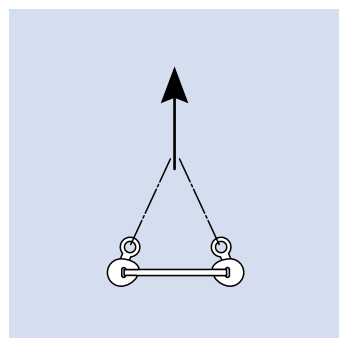
- +** Lifting clamp for lifting sheets and girders in horizontal position (supplied with shackle)
- +** Most versatile
- +** With locking mechanism
- +** Extremely light-weight design
- +** High carrying capacity and wear-resistance
- +** Also for the transport of thin, slagging sheets
- +** Highest safety standard (American safety standard)

## General conditions of usage

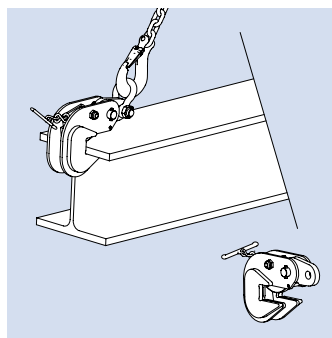
- Lifting clamp for horizontal lifting (steels and girders in horizontal position)
- Use lifting clamps in a temperature range from  $-20^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
- The maximum surface hardness of the load to be transported must not exceed 300 HB.



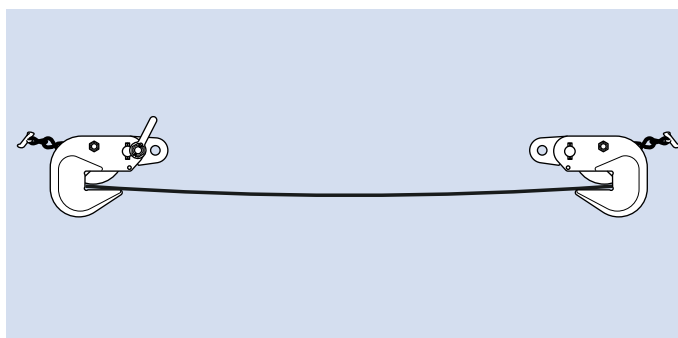
## Product applications



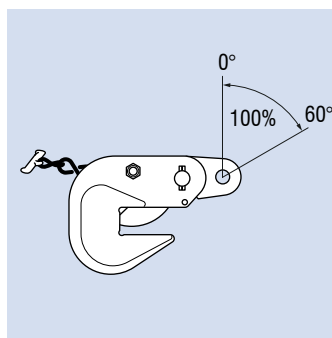
## Product characteristics



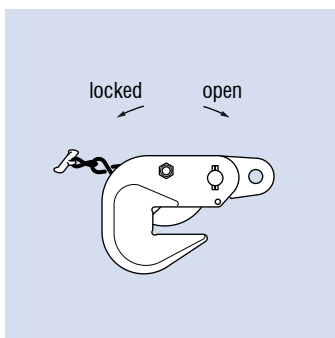
The wide, split lower jaw is particularly suitable for gripping steel girders, regardless of whether from the side or the end.



The cam position also allows safe lifting of thin sheets.



Diagonal pull angle 0 – 60° at 100% lifting capacity



Lock-closed feature for simple attachment to the sheet and safe transport even in case of unintentional release

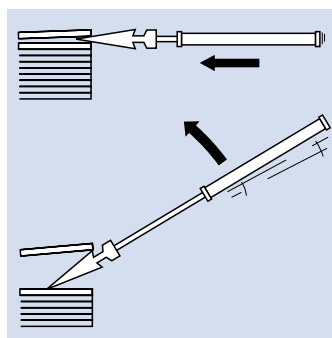
## Product accessories



You can find suitable chain slings in our catalogue PFEIFER-complett 2014/15 as of page 191.



Sheets stored in stacks can be separated quickly, easily and safely for attachment by this functional tool.  
Article No. 121977



Lifting clamps an grabs

## PFEIFER lifting clamp model M 2

Horizontal lifting clamp for inherent sheets as well as for thin, slagging steel plates.

Also perfect for the lifting of stacks of sheets and sections

The wide, split lower jaw is particularly suitable for gripping steel girders, regardless of whether from the side or the end.

With lock-closed feature for safe transport and simple attachment

Especially light-weight design at high carrying capacity and wear resistance at the same time!

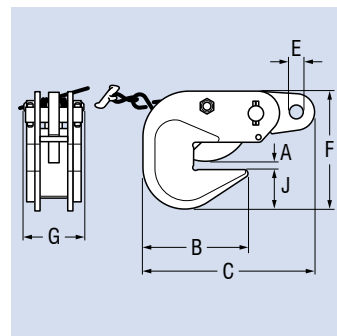
**Used for handling girders in pairs, for handling sheets and bundles of sheets slings with three clamps or more.**

**With long loads, we recommend using a spreader beam.**

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new!

*Ultra-light,  
large gripping range,  
highly efficient!*



SWL kg	Gripping range A mm	Dimensions in mm						Weight approx. kg	Reference no.
		B	C	E	F	G	J		
500	0-30	135	192	17	134	70	42	2,4	255576
500	30-60	135	192	17	164	70	42	2,7	255577
1000	0-30	152	216	17	149	70	50	3,7	255578
1000	30-60	152	216	17	179	70	50	4,0	255579
2000	0-40	182	274	23	185	98	60	8,0	255580
2000	40-80	182	274	23	225	98	60	8,9	255581
4000	0-45	240	358	31	225	111	79	15,7	255582
4000	45-90	240	358	31	270	111	79	17,4	255583

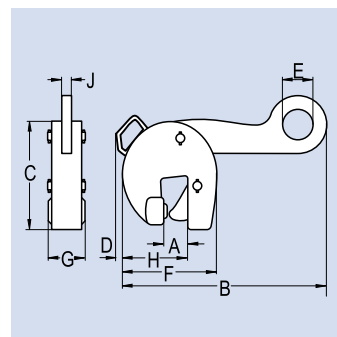
## PFEIFER-RENFROE clamp model AST-S

Lifting/turning clamp with serrated gripping cams and safety device, lock-closed feature.

Holds the girder almost horizontally in both directions. It facilitates the turning process when the lifting shackle is arranged outside the girder.



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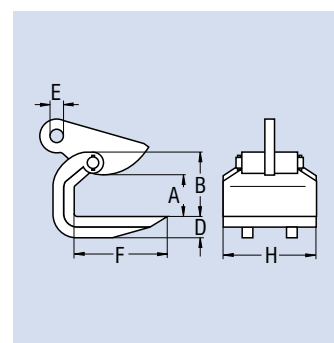
SWL kg	Gripping range A mm	Dimensions in mm								Weight approx. kg	Reference no.
		B	C	D	E	F	G	H	J		
500	0-19	281	170	26	44	152	45	90	13	4	190904
1500	0-19	337	216	35	64	178	57	100	16	9	190920
3000	0-38	527	318	43	95	279	85	170	19	24	190923



## PFEIFER-RENFROE clamp model H

Horizontal lifting clamp for handling inherently stacked bundles of sheets and steel plates. The lifting clamps are fastened to suitable slings (which we also supply on request) and attached at three or more points on the load being handled.

With long loads, we recommend using a spreader beam.



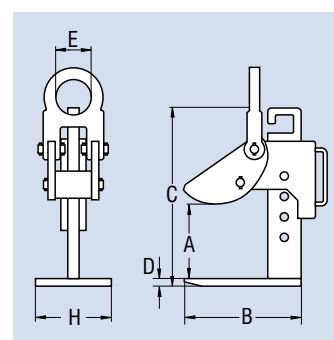
SWL kg	Gripping range A mm	Dimensions in mm					Weight approx. kg	Reference no.
		B	D	E	F	H		
250	0-25	70	13	25	90	76	2,0	121666
500	0-51	108	13	36	143	178	6,5	121669
750	0-51	111	16	36	143	178	8,7	121672
1500	0-51	111	19	36	143	178	10,0	121675
3000	0-51	111	41	36	143	178	11,0	121678
4000	0-65	145	55	36	190	178	19,0	121681

## PFEIFER-RENFROE clamp model WHS

High-performance horizontal lifting clamp for transporting dimensionally stable sheets and sheet stacks.

Its particular advantage: using a locking pin, the gripping range can be quickly changed from 0 to a maximum of 406 mm. Integrated springs hold the gripping cams open and facilitate attachment. The lifting clamps are fastened to suitable slings (which we also supply on request) and attached at three or more points on the load being handled.

With long loads, we recommend using a spreader beam.



SWL kg	Gripping range A mm	Dimensions in mm					Weight approx. kg	Reference no.
		B	C	D	E	H		
500	0-152	275	360	16	89	213	20	121853
500	0-305	330	587	16	89	213	28	121865
500	0-406	330	691	16	89	213	29	121866
1500	0-152	275	364	19	89	213	29	121867
1500	0-305	330	591	19	89	213	40	121879
1500	0-406	330	694	19	89	213	46	121880

## More Beam Clamps



### Model B1 and B2

Mounting Clamp for suspension of Hoists and other Lifting Equipment.



### Model BC

Both a Mounting Clamp and a Lifting Clamp for the transport of Double-flange Profiles.

# Clamps for smooth gripping

for materials with sensitive surfaces

- ▶ A non-marring grab works frictionally engaged. The contact surfaces are not damaged.
- ▶ For various materials such as stainless steel, plastic and chipboards
- ▶ Suitable for the vertical lifting and 90° turning



NM



SP

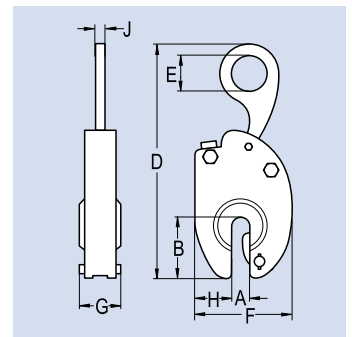
## PFEIFER-RENFROE clamp model NM

Lifting clamp with large, smooth gripping pads for metals which have sensitive surfaces or which are hard.

Suitable for the vertical lifting and 90° turning

The jaw can be pre-adjusted to any gripping range using an adjusting screw.

After attachment, the adjusting screw must be tightened. The load surfaces must be clean, dry and free of lubrication grease.



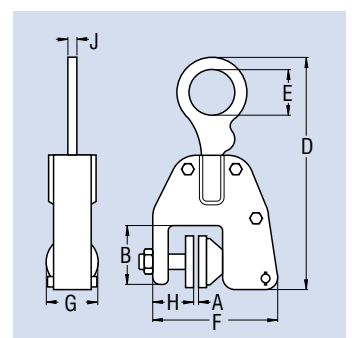
SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
1000	0-19	116	346	60	150	81	60	16	8,0	121550
1000	19-32	116	346	60	162	81	60	16	9,0	121563
2000	0-25	131	406	79	171	95	73	16	10,3	121567
2000	19-38	131	406	79	184	95	73	16	11,0	121579
4000	6-40	137	470	75	197	114	75	25	20,5	121584
4000	40-72	137	470	75	235	114	75	25	23,0	121596
4000	76-108	137	470	75	266	114	75	25	25,0	121598

## PFEIFER lifting clamp model SP

Vertical turning lifting clamp with safety device, lock-closed feature.

Suitable for the lifting and 90° turning of materials with sensitive surfaces (stainless steel, plastic and particle boards etc. – not for polished surfaces!).

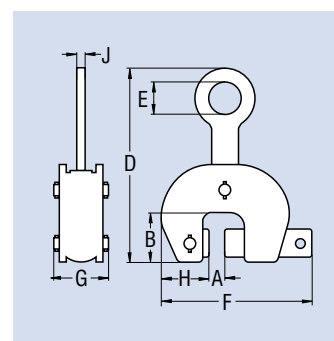
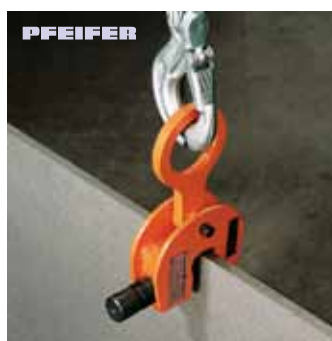
The specially coated gripping pads can be continuously adjusted with an adjusting screw.



SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
300	0-30	75	290	60	200	66	70	13	4,7	121366
300	6-45	75	290	60	200	66	70	13	4,5	121367

## PFEIFER-RENFROE clamp model SCP

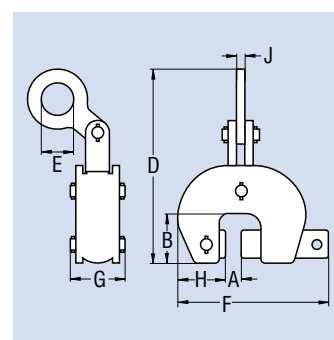
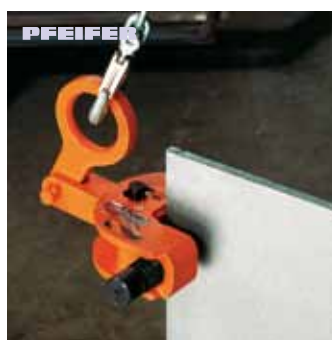
Screw clamp for vertical lifting and 180° turning of metal items of all kinds.  
Max. surface hardness of the load 300HB.  
Equipped with a pivoting cam jaw.  
Particularly suited for use with rolling and edging machines.



SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
500	0-19	60	229	60	168	60	48	13	3,5	121147
1500	0-32	73	268	67	214	86	60	16	6,5	121156
3000	0-51	79	305	60	275	104	71	19	8,5	121165
6000	0-64	110	394	76	341	137	87	25	20,0	121174
10000	0-76	140	489	83	416	171	112	25	42,0	121183
15000	0-102	184	581	95	552	210	141	32	95,0	135082

## PFEIFER-RENFROE clamp model SCPA

Screw clamp with pivoting suspension eye, for vertical lifting and 180° turning of metal items of all kinds.  
Max. surface hardness of the load 300HB.  
Equipped with a pivoting cam jaw.  
Particularly suited for use with rolling and edging machines, and for lateral attachment to the load.



SWL kg	Gripping range A mm	Dimensions in mm							Weight approx. kg	Reference no.
		B	D	E	F	G	H	J		
500	0-19	60	284	60	168	60	48	13	3,5	121185
1500	0-32	73	346	67	214	86	60	16	6,5	121194
3000	0-51	79	354	60	275	104	71	19	8,5	121203
6000	0-64	110	484	76	341	137	87	25	25,3	121212
10000	0-76	140	680	83	416	171	112	25	42,0	121221
15000	0-102	184	581	95	552	210	141	32	95,0	135083

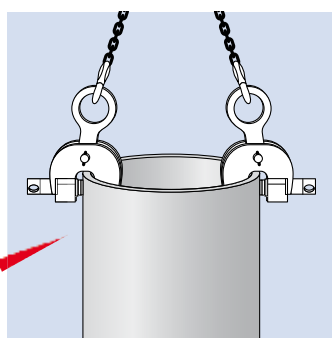
**Challenging Operation? – A case for the Pfeifer Renfro Clamp Model Series SCP/SCPA.**

**... now clamps also available for cylindrical parts!**

### Model SCPC and SCPAC

The PFEIFER RENFROE Lifting Clamps Model SCPC and SCPAC belong to the Model Series SCP and SCPA respectively.

*New with  
Contour Jaws*



The clamps with special Gripping Elements (Contour Jaws) are suitable for lifting and turning of pipes and other cylindrical(not plane-parallel) parts and components.

Lifting clamps an grabs

# 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 lifts.
- High-quality design simple and safe to operate

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!

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



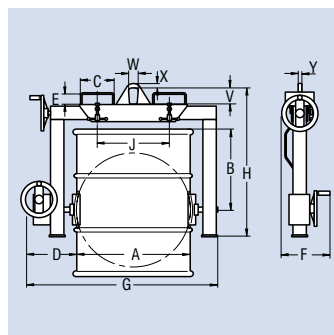
## Drum turn over grab

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	400–620
<b>SWL</b>	kg	300
Weight	kg	93
<b>Reference no.</b>		<b>114204</b>

CE



Dimensions in mm		
A 400–620	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		



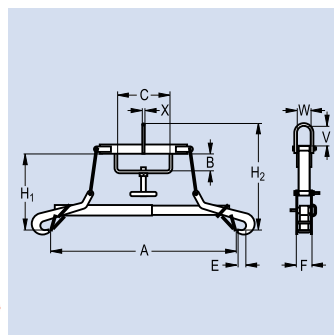
## PFEIFER drum gripper

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

for drum	mm	420–640
<b>SWL</b>	kg	250
Weight	kg	4,4
<b>Reference no.</b>		<b>173981</b>

CE

*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		



## Drum grab



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

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

Available in the following versions:

- for upright drums
- for horizontal drums



Option for	SWL kg	for drum Ø	for drum length	Suspension B x H	Weight approx. kg	Reference no.
		mm				
upright drums	500	390–650	——	60 x 60	4,7	114172
horizontal drums	500	—	650–950	60 x 60	8,0	114173

## Clamp claw gripper



Mechanically working four-arm grab for lifting upright, inherently stable drums  
Simple one-hand operation by horizontal guiding tube and self-locking safety catch.

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

Available in the following versions:

- Clamp claw gripper for plastic drums: suitable for 120-litre plastic drums with high or low lid
- Clamp claw gripper for steel drums: suitable for 200-litre steel drums with lid



Option for	SWL kg	for drum Ø	Suspension B x H	Weight approx. kg	Reference no.
		mm			
Plastic drums	360	395	50 x 70	7	179947
Steel drums	800	570–630	60 x 85	14	212863

## PFEIFER-RENFROE vertical barrel clamp



Clamp undergripping at the lower drum edge for lifting upright, inherent metal drums with rim (with or without lid). The steel collar is fitted around the drum by a pivot lever. The gripping diameter can be altered by an adjusting screw.

Available in the following versions:

- Vertical Drum Clamp PFEIFER-RENFROE 300 S1: suitable for drum diameters from 390 – 415 mm.
- Vertical Drum Clamp PFEIFER-RENFROE 300 S2: suitable for drum diameters from 560 – 610 mm



Option for	SWL kg	for drum Ø	Suspension B x H	Weight approx. kg	Reference no.
		mm			
small diameters	800	390–415	90 x 100	9	121921
large diameters	800	560–610	80 x 130	9	121923

# Rail Grabs



## Product advantages

- + Grabs for Lifting of different types of Rail Profiles**
- + Also suitable for lengthwise and crosswise pull**
- + With locking mechanism**
- + Very solid, practical design with low dead weight**
- + With BAU/TB Approval – the model SZA**
- + With a 3-year Warranty (except Wear Parts)**

## General conditions of usage

- For lifting, lengthwise and crosswise pulling of Rails
- As each Grab is suitable for a given set of rail profiles, it may only be used for compatible rail profiles.
- Grab to be used within Temperature Range  $-20^{\circ}$  to  $+100^{\circ}$

## Product applications



## Automatic Rail Grab model SZA

with BAU/TB approval

For lifting and pulling rails lengthways  
and crossways for rail sizes S49, S54,  
S60s, UIC60.

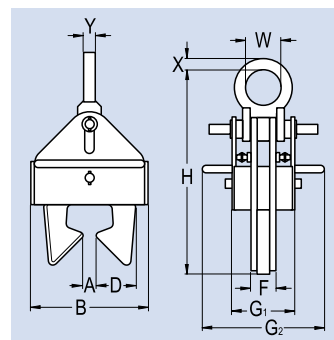
After placing the grab on the load,  
it locks automatically  
(in compliance with TBG requirements).

**Always attach the grab above the centre of gravity of the load.**

**With long loads, we recommend using two or more grabs.**



*The gripper with  
know-how*



SWL kg	Dimensions in mm												Weight approx. kg	Reference no.
	A <sub>min</sub>	A <sub>max</sub>	B	D	F	G <sub>1</sub>	G <sub>2</sub>	H <sub>min</sub>	H <sub>max</sub>	W	X	Y		
2000	10	80	200	85	42	106	210	270	350	60	20	20	12	178196
4000	10	80	200	90	60	127	230	285	365	65	23	25	17	185063

## Rail grab model SZ

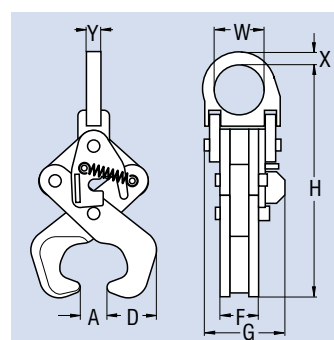
For lifting and pulling rails lengthways  
and crossways for rail sizes S49, S54,  
S60s, UIC60.

Safety device with double function: For  
holding open and locking under load in order to hold rails securely, even when  
they are overturning, i.e. the grab cannot open accidentally.

**Always attach the grab above the centre of gravity of the load.**

**With long loads, we recommend using two or more grabs.**

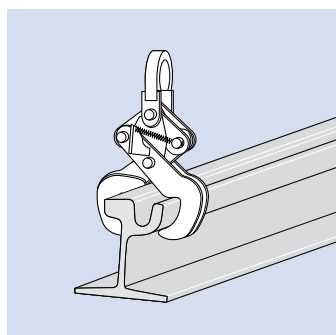
*Enables crosswise  
and longitudinal pull*



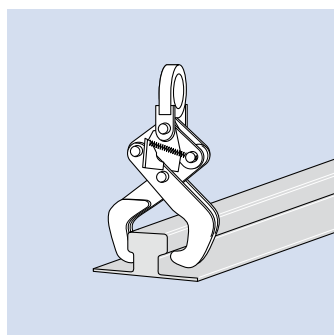
SWL kg	Dimensions in mm										Weight approx. kg	Reference no.
	A <sub>min</sub>	A <sub>max</sub>	D	F	G	H <sub>min</sub>	H <sub>max</sub>	W	X	Y		
2000	15	85	50	51	105	242	302	60	18	19	7,8	114052
4000	10	95	80	76	150	320	410	76	31	25	22,0	114062

## ... Rail Grabs now also for Grooved Rails and Crane Rails!

Available for the following  
Rail Profiles:



**Grooved Rails** – Type Ri45, Ri59, Ri60,  
PH37, PH37a and BA75



**Crane Rails** – Type A45, A55, A65,  
A75, A100 and A120



**Rail Grabs for other  
Rail Profiles on request!**

Lifting clamps an grabs

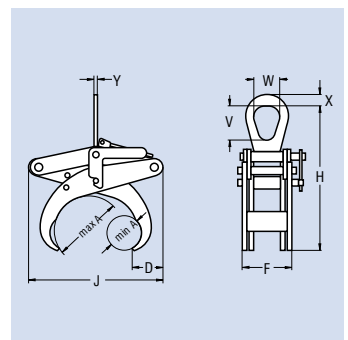
# Section grabs

## Rod and bar grab



For horizontal transport of round materials of all kinds.  
Heavy-duty double-scissor design with safety latch.  
Very small external footprint thanks to a new internal contour whose 4-point clamping prevents the load from seesawing.  
Self-acting latched hold-open lever, locking spring stirrup with handle for securing the grab against opening accidentally when the load on the grab is released.  
For design-related reasons, grabs with part no. 114040 and 114049 are supplied without safety device.

**Always attach the grab above the centre of gravity of the load.**  
**With long loads, we recommend using two or more grabs.**



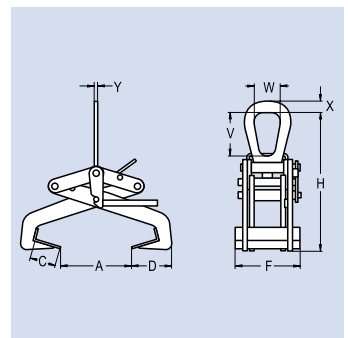
SWL kg	Dimensions in mm											Weight approx. kg	Reference no.
	A <sub>min</sub>	A <sub>max</sub>	D	F	H <sub>min</sub>	H <sub>max</sub>	J	V	W	X	Y		
500	50	100	42	140	300	410	220	100	77	31	10	8,23	114040
500	100	200	65	140	430	630	400	100	77	31	10	17,50	114041
500	200	400	95	150	730	1100	740	122	80	40	10	39,00	114043
1000	100	200	65	150	430	630	400	100	77	31	10	21,22	114045
1000	200	400	95	160	730	1110	740	122	80	40	10	48,00	114046
2000	150	300	110	160	610	895	620	122	80	40	15	56,00	114048
2000	300	600	170	160	1030	1590	1130	122	80	40	15	115,00	114049

## Section grab



For handling all kinds of double-flange sections and flat materials.  
Mechanically acting for positive interlocked load handling.  
Robust, double-scissor design with safety device and wide load-holding surfaces.  
Self-acting, latched hold-open lever.  
Locking spring stirrup with handle for securing the grab against opening accidentally when loaded.

**Always attach the grab above the centre of gravity of the load.**  
**With long loads, we recommend using two or more grabs.**



SWL kg	Dimensions in mm											Weight approx. kg	Reference no.
	A <sub>min</sub>	A <sub>max</sub>	C	D	F	H <sub>min</sub>	H <sub>max</sub>	V	W	X	Y		
500	0	180	74	110	180	370	580	120	80	32	10	13	114010
1000	0	260	107	155	200	420	770	120	80	32	10	25	114011
2000	0	300	120	190	250	470	880	120	80	40	12	55	114012



# PFEIFER-RENFROE Lifting Clamps – an all-around perfect service



## + Guarantee

PFEIFER grants a guarantee of 3 years to end users (except for wear parts) without having to complete expensive maintenance contracts.

## + Inspection and Service

- In addition, PFEIFER offers free works inspection for 5 years after date of purchase (freight and repair costs are charged)
- For their safe operation, lifting clamps must be inspected in regular intervals. Our inspection service takes over your responsibility. We inspect, repair, and certify also on your premises.

## + Operating manual

Read operating manual before each operation!

**You can find all operating manuals free of charge on the internet under:**

→ [www.pfeifer.de/hebetechnik/download/pfeifer-renfro-klemmen-zangen/](http://www.pfeifer.de/hebetechnik/download/pfeifer-renfro-klemmen-zangen/)



Spare Part Set MPS 1	
1	Gripping Elements
2	Pins
3	Safety Lock
4	Lifting Shackle
5	Spring* * Set of 5 Lock Springs

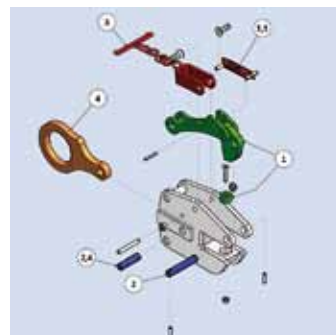
## + Spare Parts

There are individual spare part sets for all clamp models. Thus, defect parts can be exchanged as a set of components: A further example is the MPC 1 with Lock closed feature.

Please see the item numbers of the spare parts from the list on the internet.

**You can find all spare part lists free of charge on the internet under:**

→ [www.pfeifer.de/hebetechnik/download/pfeifer-renfro-klemmen-zangen/](http://www.pfeifer.de/hebetechnik/download/pfeifer-renfro-klemmen-zangen/)



## + Workshops

PFEIFER supports you in training your staff by practice-orientated application seminars.

**More Information under:**

[fachseminare@pfeifer.de](mailto:fachseminare@pfeifer.de) oder Call:

🇩🇪 +49 (0) 8331-937-257

## + Useful Tips

**This is how to use your lifting clamps efficiently:**

- Correct operation by trained staff
- Regular visual and functional inspection by qualified persons
- Replace wear parts by purchasing original spare part sets



Lifting clamps an grabs

# Application guide to lifting clamp models

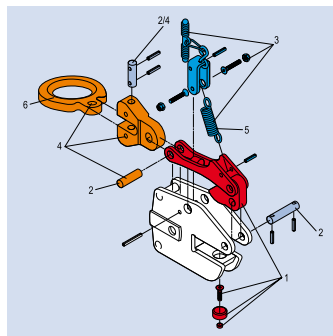
		vertical lifting 90° turning	vertical lifting 180° turning	lateral attachment, vertical lifting	horizontal transport, dimensionally stable sheets	horizontal transport, dimensionally stable sheets, stacks of sheets	horizontal transport of standing girders	horizontal transport of lateral attached girders	horizontal transport of lying gird- ers vertical attachment	horizontal transport of lying girders	girders 90° turning	fixed suspension eye overhead girders
G2	80	•							•		•	
CA/CS, MPC1, MPC2	79/81	•	•	•					•		•	
MPS1, MPS2	76	•	•						•		•	
SCP	87	•	•						•		•	
SCPA	87	•	•	•					•		•	
H, WHS	85				•	•						
M, M2	84				•	•		•				
ASTS	84									•	•	
NM, SP	86	•										
BC	85						•					•
B1, B2	85											•

see  
page

## A sharp bite for a strong-hold!



Lifting clamps an grabs



**We are glad to offer advice – just contact us!**

- More than 40 years of experience in development and manufacture of lifting clamps for various applications
- Perfectly combined sets of wear parts for a long life and reliability
- 3 years warranty and 5 years free factory inspection\*  
(\*except wear parts and freight charges, without obligatory maintenance contract)