



Product catalogue

2020

Flexibility & experience



Agri



Construction



Industry



Food & beverage



Paper handling



Attachments to suit your needs

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*The attachment connection is different based on the carriage brand.

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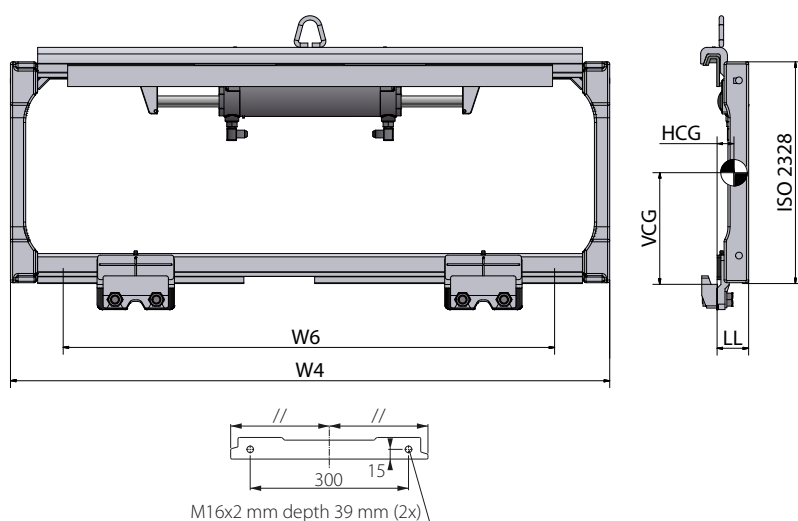
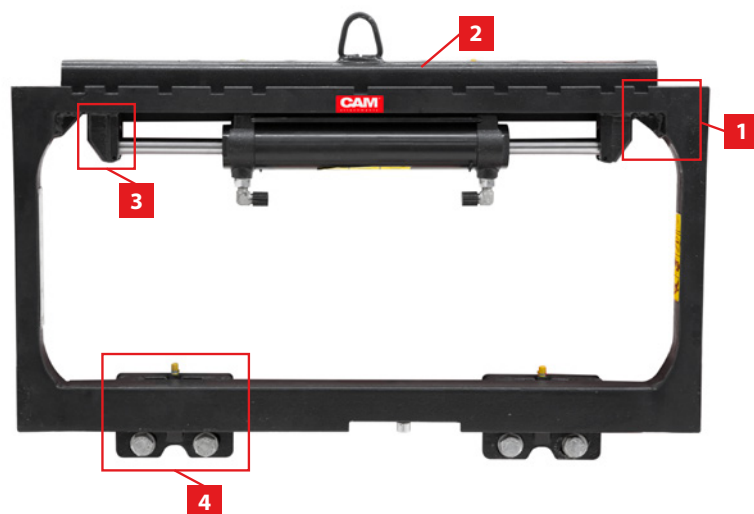
1. Sideshifters

Sideshifters are one of the most commonly used lifting attachments today. This attachment allows you to shift a load from side to side for faster, more accurate lifting and placement. The other advantages of these attachments? You lower your overall handling time, reduce damage to pallets and products and increase your manoeuvrability, even through tight corners.

Chapter overview

1.1	Sideshifter ISO/FEM 2 with sliding pads	SHP	16
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Sideshifters ISO/FEM 2 with sliding pads



Our new sideshift model will fulfill all your business needs. You'll reduce overall handling time, save pallets and products from unnecessary damage and increase maneuverability. This improved model is a stronger and more user-friendly high-quality sideshift.

Characteristics

1. Reinforced corners
2. New upper bar layout consisting of 2 forged side beams, 2 reinforcement strips and hot-rolled upper bar
3. New cylinder connection with one spring pin
4. New wear pads





Technical data

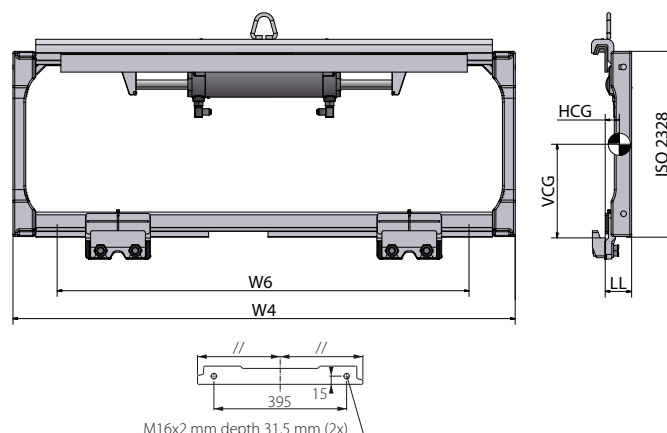
- W6 - Minimal width lift truck carriage
- Total sideshifter stroke: 100 + 100 mm

Model	Capacity	W4	W6	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kg	
SHP225.080PCD1	2500/500	800	780	58	23	224	42	2
SHP225.090PCD1	2500/500	900	780	58	23	224	46	2
SHP225.092PCD1	2500/500	920	780	58	23	224	46	2
SHP225.094PCD1	2500/500	940	780	58	23	224	47	2
SHP225.098PCD1	2500/500	980	780	58	23	224	48	2
SHP225.100PCD1	2500/500	1000	780	58	23	224	49	2
SHP225.102PCD1	2500/500	1020	780	58	23	224	49	2
SHP225.104PCD1	2500/500	1040	780	58	23	224	50	2
SHP225.107PCD1	2500/500	1070	780	58	23	224	51	2
SHP225.110PCD1	2500/500	1100	780	58	23	224	52	2
SHP225.115PCD1	2500/500	1150	780	58	23	224	54	2
SHP225.125PCD1	2500/500	1250	980	58	23	224	57	2
SHP225.140PCD1	2500/500	1400	980	58	23	224	67	2

Available on request

- Load backrest

Sideshifters ISO/FEM 3 with sliding pads



Technical data

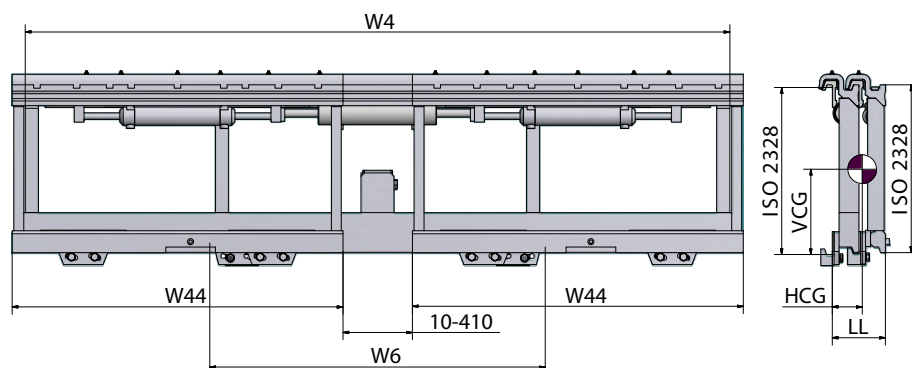
- W6 - Minimal width lift truck carriage
- Total sideshifter stroke: 100 + 100 mm

Model	Capacity	W4	W6	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kg	
SHP335.100PCD1	3500/500	1000	980	68	29	281	67	3
SHP335.102PCD1	3500/500	1020	980	68	29	281	67	3
SHP335.107PCD1	3500/500	1070	980	68	29	282	70	3
SHP335.110PCD1	3500/500	1100	980	68	29	282	71	3
SHP335.115PCD1	3500/500	1150	980	68	29	283	73	3
SHP335.120PCD1	3500/500	1200	980	68	29	284	75	3
SHP335.125PCD1	3500/500	1250	980	68	29	285	77	3
SHP335.130PCD1	3500/500	1300	980	68	29	285	86	3
SHP335.135PCD1	3500/500	1350	1080	68	29	286	89	3
SHP335.140PCD1	3500/500	1400	1080	68	29	287	90	3

Available on request

- Load backrest

Dual and triple sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks

Model	Capacity	W4	W44	W6	LL	HCG	VCG	Weight	Stroke	ISO 2328 Truck carriage	ISO 2328 Sideshifter carriage
	kg	mm	mm	mm	mm	mm	mm	kg	mm		
Dual sideshifter											
2DL2220.170	2 x 1000/500	1700	750	1100	124	61	226	235	2 x 200	2	2
2DL2220.200	2 x 1000/500	2000	900	1150	124	61	226	260	2 x 200	2	2
2DL2220.215	2 x 1000/500	2150	1000	1200	124	61	226	281	2 x 200	2	2
2DL3240.170	2 x 2000/500	1700	750	1100	129	63	275	305	2 x 200	3	2
2DL3240.200	2 x 2000/500	2000	900	1150	129	63	275	349	2 x 200	3	2
2DL3240.215	2 x 2000/500	2150	1000	1200	129	63	275	381	2 x 200	3	2
Triple sideshifter											
3DL2220.170	2 x 1000/500	1700	750	1300	139	65	236	246	3 x 200	2	2
3DL2220.200	2 x 1000/500	2000	900	1350	139	65	236	271	3 x 200	2	2
3DL2220.215	2 x 1000/500	2150	1000	1400	139	65	236	292	3 x 200	2	2
3DL3240.170	2 x 2000/500	1700	750	1300	139	67	285	335	3 x 200	3	2
3DL3240.200	2 x 2000/500	2000	900	1350	139	67	285	379	3 x 200	3	2
3DL3240.215	2 x 2000/500	2150	1000	1400	139	67	285	409	3 x 200	3	2

2DL: fixed rear frame (no sideshift)

3DL: main side shifter on the rear frame

Characteristics

- Standard version with flow divider: both sideshifters move simultaneously in opposite directions

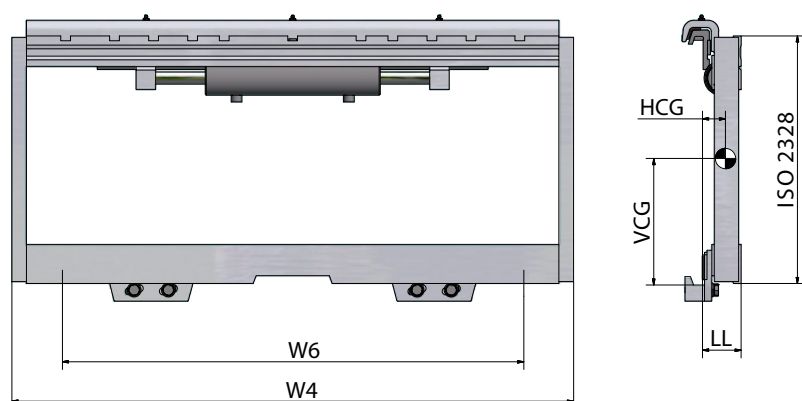
Available on request

- Independent movement of the front sideshifters

Sideshifter ISO/FEM 1 - 2 with sliding pads



The double-action cylinder of the TRF sideshifter ensure constant sideshifting speeds in both directions. The cylinder can easily be disassembled for thorough maintenance. The upper bar of the sideshifter is made of a single piece of steel, ensuring strong and reliable construction. This type of sideshifter is ideal for intensive use.



Characteristics

1. High-mounted cylinder for superior see-through visibility
2. Designed with a single-piece upper S-bar for extremely strong, robust construction
3. Bearings are fully protected by the upper bar
4. Excellent durability and reliability
5. Easy maintenance and installation
6. Grease fittings on top of the upper bar





Technical data

- W6 - Minimal width lift truck carriage
- Total sideshifter stroke: 100 + 100 mm

Model	Capacity	W4	W6	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kg	
TRF112.080P	1000/500	800	700	70	32	238	43	1
TRF112.085P	1000/500	850	700	70	32	236	45	1
TRF112.100P	1000/500	1000	850	70	32	236	50	1
TRF225.080P	2500/500	800	700	70	32	238	43	2
TRF225.090P	2500/500	900	800	70	34	236	46	2
TRF225.092P	2500/500	920	800	70	34	236	52	2
TRF225.094P	2500/500	940	800	70	34	236	53	2
TRF225.097P	2500/500	970	840	70	34	236	54	2
TRF225.098P	2500/500	980	850	70	34	236	55	2
TRF225.100P	2500/500	1000	850	70	34	236	56	2
TRF225.102P	2500/500	1020	850	70	34	235	56	2
TRF225.104P	2500/500	1040	850	70	34	235	57	2
TRF225.107P	2500/500	1070	870	70	34	235	58	2
TRF225.110P	2500/500	1100	900	70	34	235	59	2
TRF225.115P	2500/500	1150	900	70	34	233	60	2
TRF225.126P	2500/500	1260	1000	70	36	230	68	2
TRF225.140P	2500/500	1400	1100	70	36	225	70	2

Options

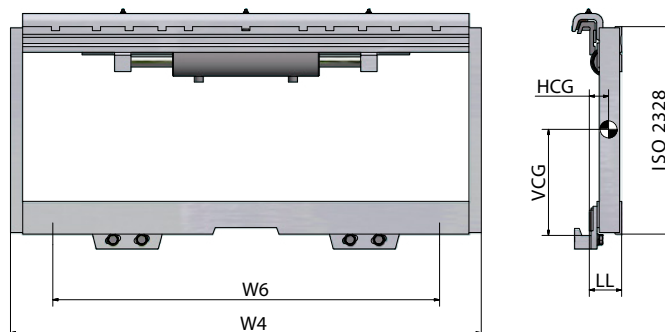
Class 2 bronze lower bearings

Class 2 bronze upper and lower bearings

Available on request

- Sideshifters for reach trucks
- Custom-made sideshifters
- Sideshifter FEM 3-4 with rollers
- "Long life" upper and lower bearings

Sideshifter ISO/FEM 3 - 4 with sliding pads



Technical data

- W6 - Minimal width lift truck carriage
- Total sideshifter stroke: 100 + 100 mm (FEM 3)
- Total sideshifter stroke: 150 + 150 mm (FEM 4)

Model	Capacity	W4	W6	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kg	
TRF335.100P	3500/500	1000	900	80	45	300	79	3
TRF335.107P	3500/500	1070	950	80	45	302	84	3
TRF335.110P	3500/500	1100	1000	80	45	302	85	3
TRF335.115P	3500/500	1150	1000	80	45	303	88	3
TRF335.120P	3500/500	1200	1000	80	45	305	92	3
TRF335.125P	3500/500	1250	1100	80	45	305	93	3
TRF335.130P	3500/500	1300	1100	80	45	308	98	3
TRF335.135P	3500/500	1350	1100	80	45	308	103	3
TRF350.100P	5000/500	1000	900	80	39	279	97	3
TRF350.107P	5000/500	1070	950	80	39	279	102	3
TRF350.110P	5000/500	1100	950	80	39	279	104	3
TRF350.115P	5000/500	1150	950	80	39	278	107	3
TRF350.120P	5000/500	1200	1000	80	39	278	110	3
TRF350.126P	5000/500	1260	1000	80	39	278	115	3
TRF350.130P	5000/500	1300	1000	80	39	277	118	3
TRF350.135P	5000/500	1350	1050	80	39	277	120	3
TRF350.156P	5000/500	1560	1250	80	39	276	151	3
TRF350.166P	5000/500	1660	1350	80	40	276	156	3
TRF350.175P	5000/500	1750	1450	80	40	275	160	3
TRF350.185P	5000/500	1850	1500	80	40	275	198	3
TRF350.200P	5000/500	2000	1600	80	40	275	213	3
TRF465.120P	6500/600	1200	1050	100	55	365	193	4
TRF465.135P	6500/600	1350	1150	100	55	365	213	4
TRF465.160P	6500/600	1600	1300	100	55	367	258	4
TRF465.180P	6500/600	1800	1500	100	55	367	278	4
TRF480.180P	8000/600	1800	1500	100	55	350	310	4

Model	Capacity	W4	W6	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kg	
TRF480.200P	8000/600	2000	1650	100	55	350	362	4
TRF480.220P	8000/600	2200	1850	100	55	351	368	4
TRF480.240P	8000/600	2400	1950	100	60	351	425	4
TRF4120.220P	12000/600	2200	1850	115	56	350	520	4
TRF4120.240P	12000/600	2400	1950	115	58	352	550	4

Options

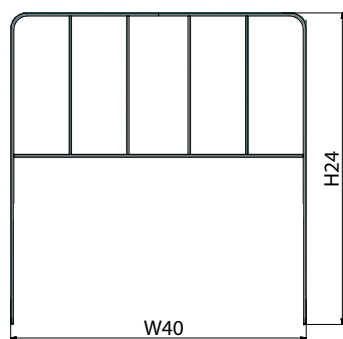
Class 3 or class 4 bronze lower bearings

Class 3 or class 4 bronze upper and lower bearings

Available on request

- > Load backrest
- > Sideshifter FEM 3 and FEM 4 with rollers

Load backrest



Load backrests play an important role in keeping your drivers safe. They prevent your forklift's load from falling toward the driver. It features a steel grid above the forks and attaches to the sides of the forklift carriage with heavy-duty, steel framing. Thanks to the shape of the load backrest, the load rests easily against a square, flat surface, which improves the safety of loading and unloading.



Technical data

Model	Usable for sideshifters		W40	H24	Weight
			mm	mm	kg
CC19940	SH225.080PCD1	SHP225.080PCD1	825	1120	25
CC19942	SH225.090PCD1	SHP225.090PCD1	925	1120	26
CC19944	SH225.092PCD1	SHP225.092PCD1	945	1120	26
CC19946	SH225.094PCD1	SHP225.094PCD1	965	1120	26
CC19948	SH225.098PCD1	SHP225.098PCD1	1005	1120	26
CC19950	SH225.100PCD1	SHP225.100PCD1	1025	1120	26
CC19952	SH225.102PCD1	SHP225.102PCD1	1045	1120	27
CC19954	SH225.104PCD1	SHP225.104PCD1	1065	1120	28
CC19956	SH225.107PCD1	SHP225.107PCD1	1095	1120	28
CC19958	SH225.110PCD1	SHP225.110PCD1	1125	1120	28
CC19960	SH225.115PCD1	SHP225.115PCD1	1175	1120	29
CC19962	SH225.125PCD1	SHP225.125PCD1	1275	1120	30
CC19964	SH225.140PCD1	SHP225.140PCD1	1425	1120	31
CC19966	SH335.100PCD1	SHP335.100PCD1	1025	1105	32
CC19968	SH335.102PCD1	SHP335.102PCD1	1045	1105	33
CC19970	SH335.107PCD1	SHP335.107PCD1	1095	1105	34
CC19972	SH335.110PCD1	SHP335.110PCD1	1125	1105	35
CC19974	SH335.115PCD1	SHP335.115PCD1	1175	1105	35
CC19976	SH335.120PCD1	SHP335.120PCD1	1225	1105	36
CC19978	SH335.125PCD1	SHP335.125PCD1	1275	1105	37
CC19980	SH335.130PCD1	SHP335.130PCD1	1325	1105	37
CC19982	SH335.135PCD1	SHP335.135PCD1	1375	1105	38
CC19984	SH335.140PCD1	SHP335.140PCD1	1425	1105	40

Options

Kit screws: CC19938

High strength threadlocker 50 ml: BA57042

Technical data

sideshifters

Sideshifting							
Model	Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recommended	Maximum	Minimum	Recommended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	
SHP225	130	160	220	4	10	15	1
SHP335	130	160	220	6	12	18	1
TRF 112	130	160	220	4	10	15	1
TRF 225	130	160	220	4	10	15	1
TRF 335	130	160	220	6	12	18	1
TRF 350	130	160	220	6	12	20	1
TRF 465	130	160	220	7	14	20	1
TRF 480	130	160	220	7	14	25	1
TRF4120	130	160	220	7	14	25	1
2DL	130	160	220	6	12	20	1
3DL	130	160	220	6	12	20	2



2. Fork positioners

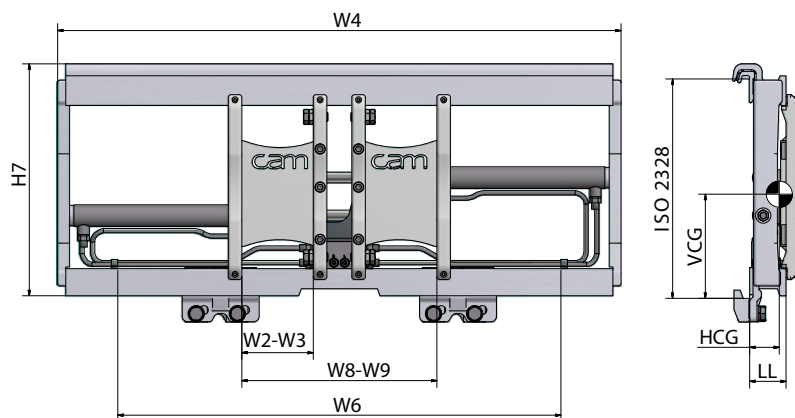
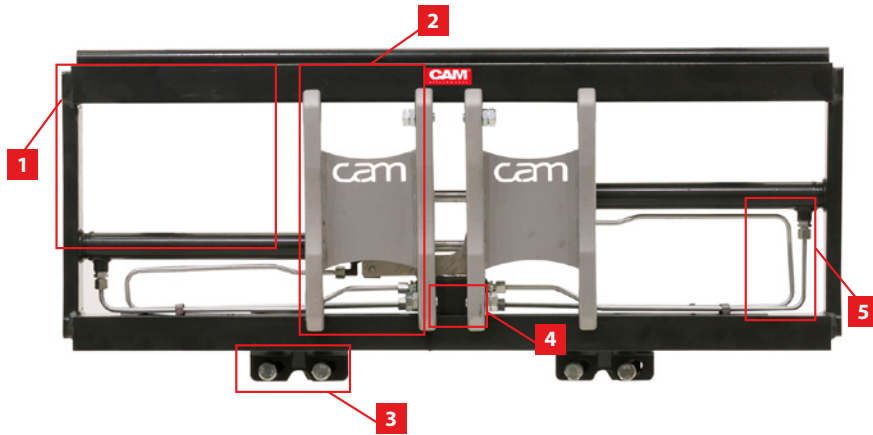
A fork positioner allows you to hydraulically move the forks closer together or further apart, individually or together. This is particularly useful when you have to handle a variety of pallet sizes. Thanks to the fork positioner, you don't need to manually adjust the forks: you save time. Damage to pallets and products will be reduced as well.

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Fork positioner with FEM fork carriers without sideshifter

The PH-fork positioner comes without forks. You mount your own forks by sliding them over the frame. Easy!



Characteristics

1. Increased through-body visibility
2. Strong, galvanised, easy-to-mount fork pockets
3. New, fully adjustable bottom hooks
4. Centrally positioned bottom oil block with incorporated adjusters
5. Galvanised steel oil circuit hoses





Technical data

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm
- Without separate sideshifter
- Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W2-W3	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PH25.092	2500/500	360-850	920	800	100-130	435	70	36	197	64	2
PH25.098	2500/500	360-910	980	800	100-130	435	70	36	197	67	2
PH25.102	2500/500	360-950	1020	800	100-130	435	70	36	197	70	2
PH25.104	2500/500	360-970	1040	800	100-130	435	70	36	198	71	2
PH25.110	2500/500	360-1030	1100	800	100-130	435	70	36	198	75	2
PH25.115	2500/500	360-1080	1150	800	100-130	435	70	36	198	77	2
PH35.110	3500/500	360-1030	1100	900	100-130	539	78	40	269	110	3
PH35.115	3500/500	360-1080	1150	900	100-130	539	78	40	269	117	3
PH35.125	3500/500	360-1180	1250	900	100-130	539	78	40	269	125	3
PH50.115	5000/500	410-1020	1150	900	120-150	539	80	42	256	132	3
PH50.125	5000/500	410-1120	1250	1000	120-150	539	80	42	255	148	3
PH50.135	5000/500	410-1220	1350	1100	120-150	539	80	44	255	152	3
PH55.120	5500/600	460-1050	1200	900	120-150	674	100	58	365	220	4
PH55.150	5500/600	460-1350	1500	1200	120-150	674	100	56	362	252	4
PH55.170	5500/600	460-1550	1700	1400	120-150	674	100	54	356	291	4
PH70.120	7000/600	460-1010	1200	1000	120-150	674	100	55	355	255	4
PH70.150	7000/600	460-1310	1500	1150	120-150	674	100	55	355	289	4
PH70.180	7000/600	460-1610	1800	1300	120-150	674	100	55	353	335	4
PH70.200	7000/600	460-1810	2000	1500	120-150	674	100	52	339	380	4
PH70.220	7000/600	460-2010	2200	1700	120-150	674	100	54	353	395	4
PH80.120	8000/600	460-1010	1200	1000	120-150	674	100	55	354	260	4
PH80.150	8000/600	460-1310	1500	1150	120-150	674	100	55	354	293	4
PH80.180	8000/600	460-1610	1800	1300	120-150	674	100	55	352	339	4
PH80.200	8000/600	460-1810	2000	1500	120-150	674	100	54	345	385	4
PH80.220	8000/600	460-2010	2200	1700	120-150	674	100	54	345	405	4
PH120.180	12000/600	540-1580	1800	1400	150-200	697	130	67	338	440	4
PH120.200	12000/600	540-1780	2000	1600	150-200	697	130	69	342	470	4
PH120.220	12000/600	540-1980	2200	1800	150-200	697	130	70	345	505	4

Attachment not recommended for clamping between forks

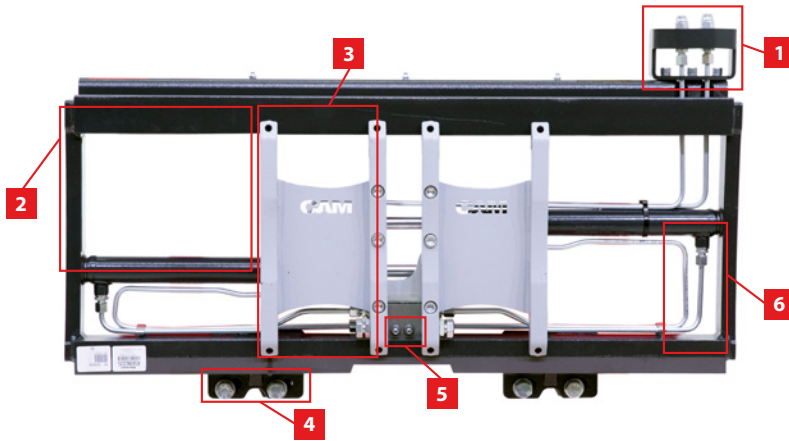
Available on request

- Load backrest

➤ See this attachment in action



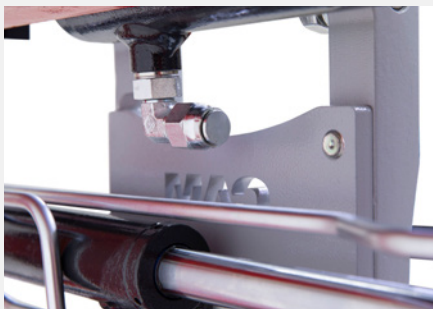
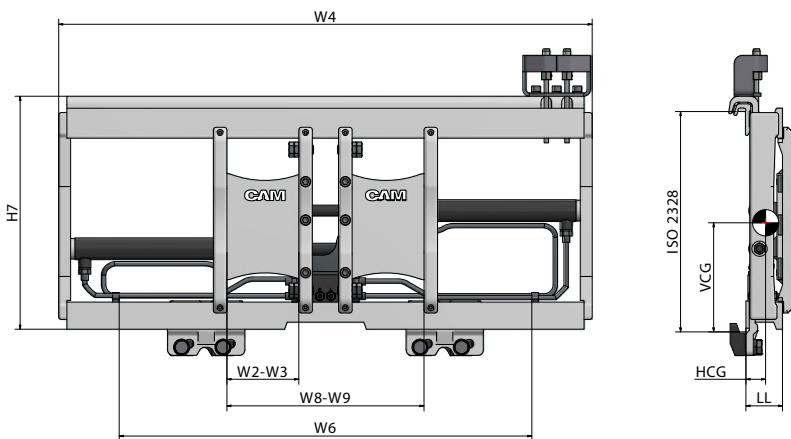
Fork positioner with FEM fork carriers without sideshifter



The PH SIN and PH-T SIN models are new additions to our standard range of PH and PH-T fork positioners. These models are specially designed to be easily installed on triple mast forklifts quickly, so you can get on with getting the job done.

Characteristics

1. Hose connection has been moved to upper left side
2. Cylinder fixing plate has been modified to facilitate screwing and unscrewing of fittings
3. Allen cap screws instead of cylinder fixing screws
4. Increased visibility through the body
5. Galvanised, strong and easy-to-mount fork pockets
6. New, fully adjustable bottom hooks
7. Centrally positioned bottom oil block with incorporated adjusters
8. Galvanised steel oil circuit hoses





Technical details

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm
- Without separate sideshifter
- Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W2-W3	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PH25.092.SIN	2500/500	360-850	920	800	100-130	435	70	36	197	64	2
PH25.098.SIN	2500/500	360-910	980	800	100-130	435	70	36	197	67	2
PH25.102.SIN	2500/500	360-950	1020	800	100-130	435	70	36	197	70	2
PH25.104.SIN	2500/500	360-970	1040	800	100-130	435	70	36	198	71	2
PH25.110.SIN	2500/500	360-1030	1100	800	100-130	435	70	36	198	75	2
PH25.115.SIN	2500/500	360-1080	1150	800	100-130	435	70	36	198	77	2
PH35.110.SIN	3500/500	360-1030	1100	900	100-130	539	78	40	307	113	3
PH35.115.SIN	3500/500	360-1080	1150	900	100-130	539	78	40	307	117	3
PH35.125.SIN	3500/500	360-1180	1250	900	100-130	539	78	40	304	125	3

Attachment not recommended for clamping between forks

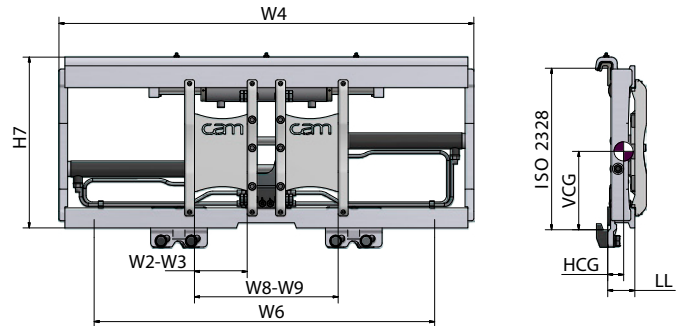
Available on request

- Load backrest

➤ See this attachment in action



Fork positioner with FEM fork carriers with sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm
- With separate sideshifter
- Standard lift truck forks can be easily fitted
- Total sideshifter stroke: 100 + 100 mm (FEM 2 - FEM 3)
- Total sideshifter stroke: 150 + 150 mm (FEM 4)

Model	Capacity	W8-W9	W4	W6	W2-W3	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PH25T.092	2500/500	360-850	920	800	100-130	435	70	36	222	68	2
PH25T.098	2500/500	360-910	980	800	100-130	435	70	36	222	71	2
PH25T.102	2500/500	360-950	1020	800	100-130	435	70	36	220	73	2
PH25T.104	2500/500	360-970	1040	800	100-130	435	70	36	218	74	2
PH25T.110	2500/500	360-1030	1100	800	100-130	435	70	36	218	80	2
PH25T.115	2500/500	360-1080	1150	800	100-130	435	70	36	217	82	2
PH35T.110	3500/500	360-1030	1100	900	100-130	539	78	40	309	119	3
PH35T.115	3500/500	360-1080	1150	900	100-130	539	78	40	309	123	3
PH35T.125	3500/500	360-1180	1250	900	100-130	539	78	40	309	131	3
PH50T.115	5000/500	410-1020	1150	900	120-150	539	80	42	270	145	3
PH50T.125	5000/500	410-1120	1250	1000	120-150	539	80	42	270	155	3
PH50T.135	5000/500	410-1220	1350	1100	120-150	539	80	42	270	165	3
PH55T.120	5500/600	460-1050	1200	1000	120-150	674	100	51	369	233	4
PH55T.150	5500/600	460-1350	1500	1300	120-150	674	100	51	369	279	4
PH55T.170	5500/600	460-1550	1700	1500	120-150	674	100	52	368	303	4
PH70T.120	7000/600	460-1010	1200	1100	120-150	674	100	53	347	280	4
PH70T.150	7000/600	460-1310	1500	1350	120-150	674	100	51	353	313	4
PH70T.180	7000/600	460-1610	1800	1600	120-150	674	100	51	353	360	4
PH70T.200	7000/600	460-1810	2000	1800	120-150	674	100	52	357	389	4
PH70T.220	7000/600	460-2010	2200	2000	120-150	674	100	52	357	404	4
PH80T.120	8000/600	460-1010	1200	1100	120-150	674	100	53	358	267	4
PH80T.150	8000/600	460-1310	1500	1350	120-150	674	100	53	358	302	4
PH80T.180	8000/600	460-1610	1800	1600	120-150	674	100	53	358	349	4
PH80T.200	8000/600	460-1810	2000	1800	120-150	674	100	52	356	396	4
PH80T.220	8000/600	460-2010	2200	2000	120-150	674	100	52	356	423	4
PH120T.180	12000/600	540-1580	1800	1400	150-200	697	130	65	348	480	4
PH120T.200	12000/600	540-1780	2000	1600	150-200	697	130	67	352	515	4
PH120T.220	12000/600	540-1980	2200	1800	150-200	697	130	68	355	555	4

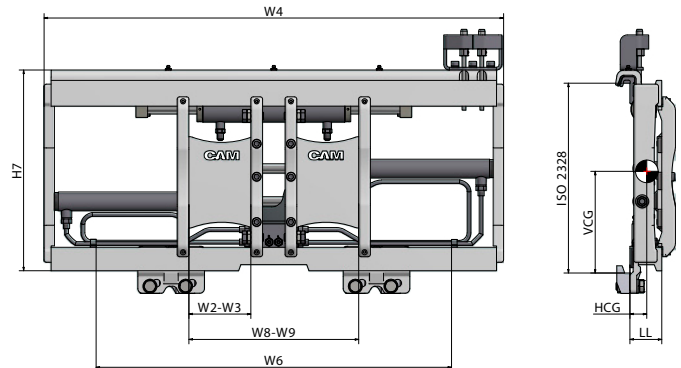
Attachment not recommended for clamping between forks

Available on request

➤ See this attachment in action



Fork positioner with FEM fork carriers with sideshifter



Technical details

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm
- With separate sideshifter
- Standard lift truck forks can be easily fitted
- Total sideshifter stroke: 100 + 100 mm (FEM 2 - FEM 3)

Model	Capacity	W8-W9	W4	W6	W2-W3	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PH25T.092.SIN	2500/500	360-850	920	800	100-130	435	70	36	222	68	2
PH25T.098.SIN	2500/500	360-910	980	800	100-130	435	70	36	222	71	2
PH25T.102.SIN	2500/500	360-950	1020	800	100-130	435	70	36	220	73	2
PH25T.104.SIN	2500/500	360-970	1040	800	100-130	435	70	36	218	74	2
PH25T.110.SIN	2500/500	360-1030	1100	800	100-130	435	70	36	218	80	2
PH25T.115.SIN	2500/500	360-1080	1150	800	100-130	435	70	36	217	82	2
PH35T.110.SIN	3500/500	360-1030	1100	900	100-130	539	78	40	309	119	3
PH35T.115.SIN	3500/500	360-1080	1150	900	100-130	539	78	40	309	123	3
PH35T.125.SIN	3500/500	360-1180	1250	900	100-130	539	78	40	309	131	3

Attachment not recommended for clamping between forks

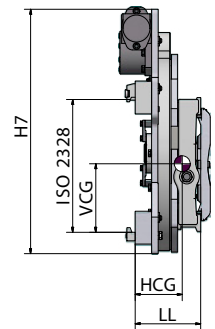
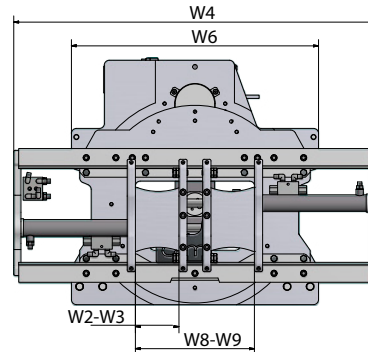
Available on request

- Load backrest

➤ See this attachment in action



Rotating fork positioner with FEM fork carriers 360°



Technical data

- > W6 - Minimal width lift truck carriage
- > Prices exclude forks
- > Technical data without forks
- > Without sideshifter
- > Maximum advised fork length: 1400 mm
- > Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W2-W3	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PHR25.092	2500/500	360-850	920	750	100-125	677	199	79	285	258	2
PHR25.102	2500/500	360-950	1020	750	100-125	677	199	82	282	264	2
PHR25.110	2500/500	360-1030	1100	750	100-125	677	199	85	280	268	2
PHR25.115	2500/500	360-1180	1150	750	100-125	677	199	88	278	285	2
PHR35.110	3500/500	430-1030	1100	900	120-130	733	213	110	309	419	3
PHR35.115	3500/500	430-1080	1150	900	120-130	733	213	112	311	425	3
PHR35.125	3500/500	430-1180	1250	900	120-130	733	213	118	313	445	3

Attachment not recommended for clamping between forks

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

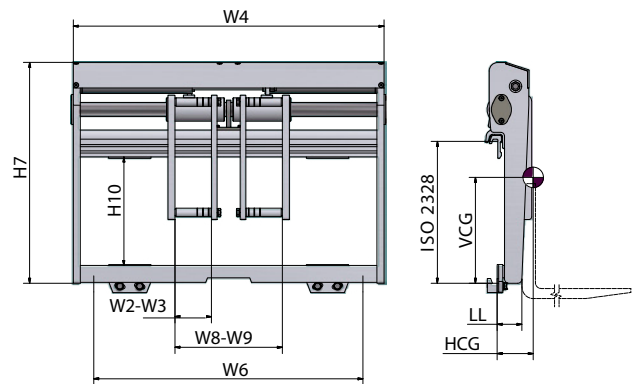
Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Class 2 or class 3 quick-release lower mountings

Available on request

- > Load backrest

Fork positioner with bar-mounted FEM fork carriers without sideshifter



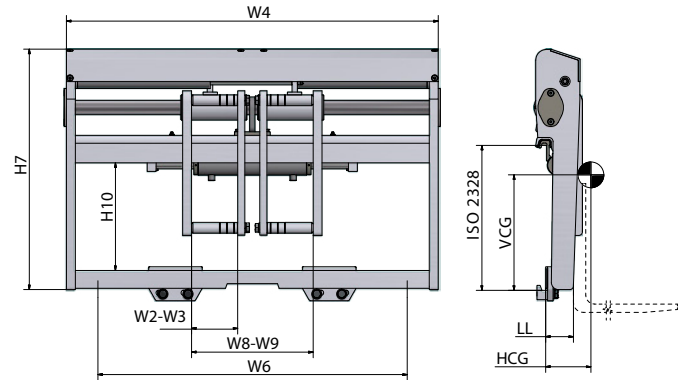
Technical data

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- Without separate sideshifter
- Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W2-W3	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PL25.092	2500/500	340-790	920	800	80-130	300	670	70	38	369	106	2
PL25.098	2500/500	340-850	980	800	80-130	300	670	70	38	396	109	2
PL25.104	2500/500	340-910	1040	800	80-130	300	670	70	38	370	113	2
PL25.110	2500/500	340-970	1100	900	80-130	300	670	70	38	370	118	2
PL25.115	2500/500	340-1020	1150	900	80-130	300	670	70	38	370	121	2
PL25.125	2500/500	340-1120	1250	950	80-130	300	670	70	38	370	128	2
PL25.130	2500/500	340-1170	1300	950	80-130	300	670	70	38	370	131	2
PL25.135	2500/500	340-1220	1350	1050	80-130	300	670	70	38	370	135	2
PL25.140	2500/500	340-1270	1400	1050	80-130	300	670	70	38	371	140	2
PL25.145	2500/500	340-1320	1450	1050	80-130	300	670	70	38	371	145	2
PL35.110	3500/500	380-960	1100	900	100-130	385	780	80	42	440	162	3
PL35.115	3500/500	380-1010	1150	900	100-130	385	780	80	42	440	166	3
PL35.125	3500/500	380-1110	1250	1000	100-130	385	780	80	42	440	177	3
PL35.130	3500/500	380-1160	1300	1000	100-130	385	780	80	42	441	181	3
PL35.135	3500/500	380-1210	1350	1000	100-130	385	780	80	42	441	186	3
PL35.140	3500/500	380-1260	1400	1100	100-130	385	780	80	42	441	190	3
PL35.145	3500/500	380-1310	1450	1100	100-130	385	780	80	42	444	194	3
PL35.150	3500/500	380-1360	1500	1150	100-130	385	780	80	42	444	198	3
PL50.110	5000/500	380-960	1100	900	100-150	365	780	80	43	421	170	3
PL50.115	5000/500	380-1010	1150	900	100-150	365	780	80	43	421	176	3
PL50.125	5000/500	380-1110	1250	1000	100-150	365	780	80	43	421	190	3
PL50.130	5000/500	380-1160	1300	1000	100-150	365	780	80	43	423	197	3
PL50.135	5000/500	380-1210	1350	1000	100-150	365	780	80	43	423	203	3
PL50.140	5000/500	380-1260	1400	1100	100-150	365	780	80	43	423	210	3
PL50.145	5000/500	380-1310	1450	1100	100-150	365	780	80	43	425	216	3
PL50.150	5000/500	380-1360	1500	1150	100-150	365	780	80	43	425	221	3
PL50.155	5000/500	380-1410	1550	1250	100-150	365	780	80	43	425	225	3
PL50.160	5000/500	380-1460	1600	1250	100-150	365	780	80	43	425	230	3
PL50.165	5000/500	380-1510	1650	1300	100-150	365	780	80	43	425	237	3

Attachment not recommended for clamping between forks

Fork positioner with bar-mounted FEM fork carriers with separate sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- With separate sideshifter
- Standard lift truck forks can be easily fitted
- Total sideshifter stroke: 100 + 100 mm

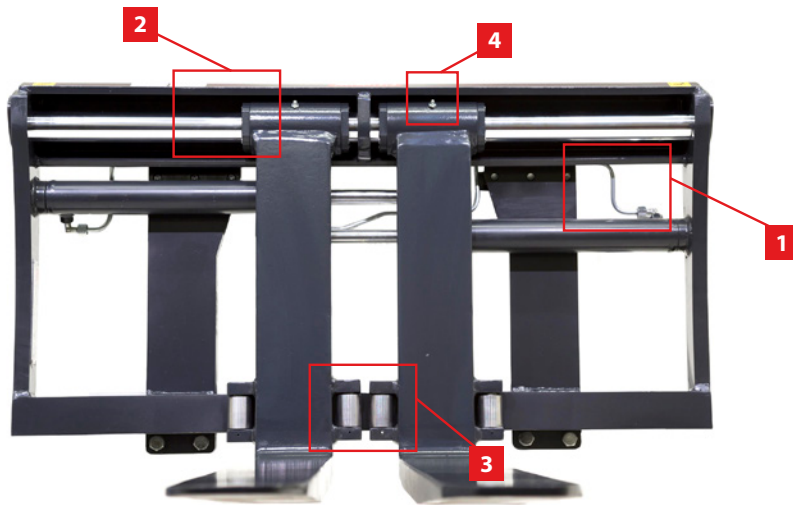
Model	Capacity	W8-W9	W4	W6	W2-W3	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm										kg	
PL25T.092	2500/500	340-790	920	800	80-130	300	670	70	38	370	112	2
PL25T.098	2500/500	340-850	980	800	80-130	300	670	70	38	370	115	2
PL25T.104	2500/500	340-910	1040	800	80-130	300	670	70	38	370	120	2
PL25T.110	2500/500	340-970	1100	900	80-130	300	670	70	38	372	122	2
PL25T.115	2500/500	340-1020	1150	900	80-130	300	670	70	38	372	123	2
PL25T.125	2500/500	340-1120	1250	950	80-130	300	670	70	38	372	130	2
PL25T.130	2500/500	340-1170	1300	950	80-130	300	670	70	38	374	138	2
PL25T.135	2500/500	340-1220	1350	1050	80-130	300	670	70	38	374	142	2
PL25T.140	2500/500	340-1270	1400	1050	80-130	300	670	70	38	374	147	2
PL25T.145	2500/500	340-1320	1450	1050	80-130	300	670	70	38	374	152	2
PL35T.110	3500/500	380-960	1100	900	100-130	385	780	80	42	446	173	3
PL35T.115	3500/500	380-1010	1150	900	100-130	385	780	80	42	446	177	3
PL35T.125	3500/500	380-1110	1250	1000	100-130	385	780	80	42	446	185	3
PL35T.130	3500/500	380-1160	1300	1000	100-130	385	780	80	42	447	190	3
PL35T.135	3500/500	380-1210	1350	1000	100-130	385	780	80	42	447	194	3
PL35T.140	3500/500	380-1260	1400	1100	100-130	385	780	80	42	447	198	3
PL35T.145	3500/500	380-1310	1450	1100	100-130	385	780	80	42	447	202	3
PL35T.150	3500/500	380-1360	1500	1150	100-130	385	780	80	42	447	206	3
PL50T.110	5000/500	380-960	1100	900	100-150	365	780	80	43	420	184	3
PL50T.115	5000/500	380-1010	1150	900	100-150	365	780	80	43	420	191	3
PL50T.125	5000/500	380-1110	1250	1000	100-150	365	780	80	43	420	208	3
PL50T.130	5000/500	380-1160	1300	1000	100-150	365	780	80	43	420	212	3
PL50T.135	5000/500	380-1210	1350	1000	100-150	365	780	80	43	420	215	3
PL50T.140	5000/500	380-1260	1400	1100	100-150	365	780	80	43	420	233	3
PL50T.145	5000/500	380-1310	1450	1100	100-150	365	780	80	43	422	240	3
PL50T.150	5000/500	380-1360	1500	1150	100-150	365	780	80	43	422	247	3
PL50T.155	5000/500	380-1410	1550	1250	100-150	365	780	80	43	422	254	3
PL50T.160	5000/500	380-1460	1600	1250	100-150	365	780	80	43	422	261	3
PL50T.165	5000/500	380-1510	1650	1300	100-150	365	780	80	43	422	268	3



> See this
attachment
in action



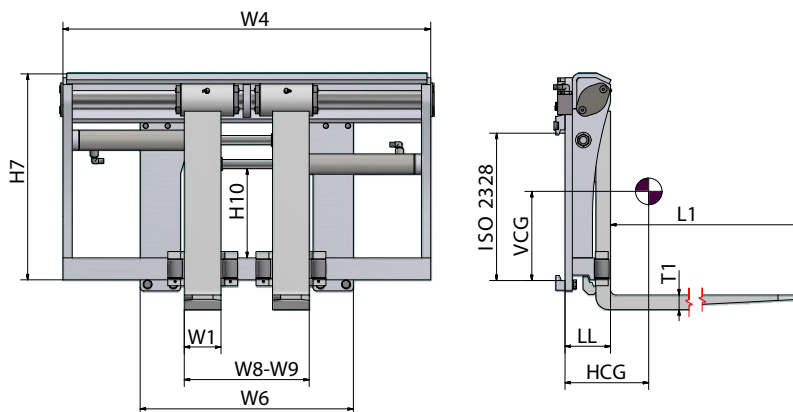
Fork positioner with pin-type forks and integrated sideshifter



The PJ-T fork positioner is used in combination with pin-type welded forks. These forks slide over the frame of the fork positioner and provide a strong and stable structure. This type of fork positioner is ideal for intensive and more burdensome tasks. It's even suitable for use in dusty environments.

Characteristics

1. Metal frame structure that protects the hydraulic circuit
2. Fork eyes with inner plastic bushing and scrapers
3. Double lower fork rollers
4. Extra grease fittings on the forks
5. Very accurate fork positioning
6. Wide range of capacities and frame widths
7. One hydraulic block instead of two





Technical data

- W6 - Minimal width lift truck carriage
- Prices include forks
- Capacity on forks
- Technical data with forks
- Self-lubricating upper sliding bushes
- With integrated sideshifter
- With chromed round upper bar

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PJ20T.090	2000/500	340-780	900	620	1200 x 100 x 40	210	565	124	220	182	225	2A
PJ20T.095	2000/500	340-830	950	620	1200 x 100 x 40	210	565	124	217	185	230	2A
PJ20T.100	2000/500	340-880	1000	620	1200 x 100 x 40	210	565	124	222	197	233	2A
PJ20T.105	2000/500	340-930	1050	720	1200 x 100 x 40	210	565	124	212	191	236	2A
PJ20T.110	2000/500	340-980	1100	720	1200 x 100 x 40	210	565	124	208	194	239	2A
PJ20T.115	2000/500	340-1030	1150	720	1200 x 100 x 40	210	565	124	204	196	241	2A
PJ25T.090	2500/500	340-780	900	620	1200 x 100 x 40	227	565	124	245	175	220	2A
PJ25T.095	2500/500	340-830	950	620	1200 x 100 x 40	227	565	124	242	177	225	2A
PJ25T.100	2500/500	340-880	1000	620	1200 x 100 x 40	227	565	124	240	179	228	2A
PJ25T.105	2500/500	340-930	1050	720	1200 x 100 x 40	227	565	124	238	182	230	2A
PJ25T.110	2500/500	340-980	1100	720	1200 x 100 x 40	227	565	124	217	201	235	2A
PJ25T.115	2500/500	340-1030	1150	720	1200 x 100 x 40	227	565	124	232	187	239	2A
PJ25T.125	2500/500	340-1130	1250	720	1200 x 100 x 40	227	565	124	232	188	246	2A
PJ25T.135	2500/500	340-1230	1350	720	1200 x 100 x 40	227	565	124	230	189	254	2A
PJ25T.150	2500/500	340-1380	1500	720	1200 x 100 x 40	227	565	124	228	191	261	2A
PJ35T.110	3500/500	340-980	1100	720	1200 x 120 x 45	383	660	139	223	199	304	3A
PJ35T.115	3500/500	340-1030	1150	720	1200 x 120 x 45	383	660	139	220	201	308	3A
PJ35T.120	3500/500	340-1080	1200	720	1200 x 120 x 45	383	660	139	217	204	312	3A
PJ35T.130	3500/500	340-1180	1300	720	1200 x 120 x 45	383	660	139	215	206	334	3A
PJ35T.150	3500/500	340-1380	1500	720	1200 x 120 x 45	383	660	139	219	246	333	3A
PJ50T.115	5000/500	420-1030	1150	850	1200 x 125 x 50	315	680	151	219	208	405	3A
PJ50T.125	5000/500	420-1130	1250	850	1200 x 125 x 50	315	680	151	215	215	410	3A
PJ50T.140	5000/500	420-1280	1400	850	1200 x 125 x 50	315	680	151	211	223	421	3A
PJ50T.150	5000/500	420-1380	1500	850	1200 x 125 x 50	315	680	151	208	224	445	3A
PJ50T.170	5000/500	420-1580	1700	850	1200 x 125 x 50	315	680	151	203	264	454	3A
PJ55T.140	5000/600	455-1255	1400	850	1200 x 150 x 60	381	810	166	216	255	485	4A
PJ55T.150	5000/600	455-1355	1500	850	1200 x 150 x 60	381	810	166	208	252	498	4A
PJ55T.170	5000/600	455-1555	1700	850	1200 x 150 x 60	381	810	166	201	252	520	4A

Attachment not recommended for clamping between forks

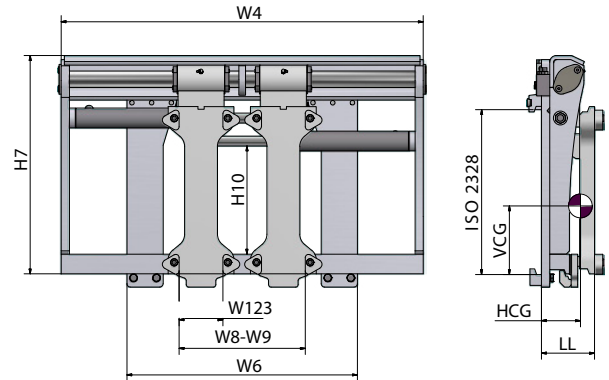
Available on request

- Load backrest
- Class B forks

➤ See this attachment in action



Fork positioner with bar-mounted FEM fork carriers with integrated sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- Prices exclude forks
- Technical data without forks
- Standard lift truck forks can be easily fitted
- Self-lubricating upper sliding bushes
- With integrated sideshifter
- With chromed round upper bar

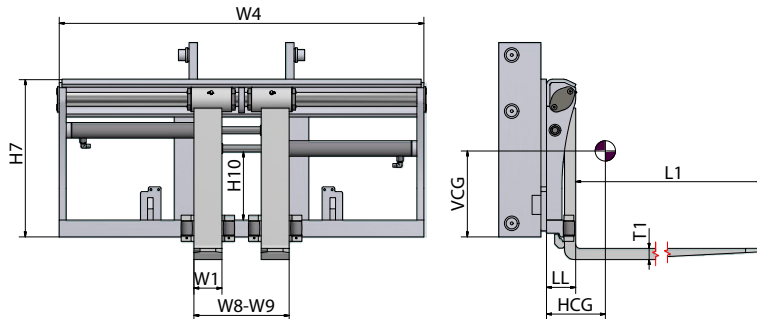
Model	Capacity	W8-W9	W4	W6	Fork width range W123	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PJA20T.090P	2000/500	380-790	900	620	100-120-130	210	640	156	50	240	155	2
PJA20T.095P	2000/500	380-840	950	620	100-120-130	210	640	156	50	240	159	2
PJA20T.100P	2000/500	380-890	1000	620	100-120-130	210	640	156	49	241	161	2
PJA20T.105P	2000/500	380-940	1050	720	100-120-130	210	640	156	48	243	163	2
PJA20T.110P	2000/500	380-990	1100	720	100-120-130	210	640	156	48	242	165	2
PJA20T.115P	2000/500	380-1040	1150	720	100-120-130	210	640	156	47	243	166	2
PJA25T.090P	2500/500	380-790	900	620	100-120-130	227	643	156	71	293	170	2
PJA25T.095P	2500/500	380-840	950	620	100-120-130	227	643	156	70	294	173	2
PJA25T.100P	2500/500	380-890	1000	620	100-120-130	227	643	156	69	295	175	2
PJA25T.105P	2500/500	380-940	1050	720	100-120-130	227	643	156	68	296	177	2
PJA25T.110P	2500/500	380-990	1100	720	100-120-130	227	643	156	68	296	179	2
PJA25T.115P	2500/500	380-1040	1150	720	100-120-130	227	643	156	67	297	182	2
PJA25T.125P	2500/500	380-1140	1250	720	100-120-130	227	643	156	67	297	186	2
PJA25T.135P	2500/500	380-1240	1350	720	100-120-130	227	643	156	67	299	191	2
PJA25T.150P	2500/500	380-1390	1500	720	100-120-130	227	643	156	66	300	199	2
PJA35T.110P	3500/500	380-990	1100	720	100-120-130	383	660	161	72	356	215	3
PJA35T.115P	3500/500	380-1040	1150	720	100-120-130	383	660	161	69	358	220	3
PJA35T.125P	3500/500	380-1140	1250	720	100-120-130	383	660	161	66	361	223	3
PJA35T.135P	3500/500	380-1240	1350	720	100-120-130	383	660	161	63	363	231	3
PJA35T.150P	3500/500	380-1390	1500	720	100-120-130	383	660	161	63	364	230	3
PJA50T.115P	5000/500	420-1000	1150	850	120-130-150	315	780	170	80	405	286	3
PJA50T.125P	5000/500	420-1100	1250	850	120-130-150	315	780	170	79	405	295	3
PJA50T.135P	5000/500	420-1200	1350	850	120-130-150	315	780	170	79	406	307	3
PJA50T.150P	5000/500	420-1350	1500	850	120-130-150	315	780	170	78	407	317	3
PJA50T.170P	5000/500	420-1550	1700	850	120-130-150	315	780	170	77	407	313	3

Attachment not recommended for clamping between forks

Available on request

- Load backrest

Integrated fork positioner with pin-type forks and integrated sideshifter



Technical data

- Prices include forks
- Technical data with forks
- Capacity on forks
- Technical data without carriage side plates
- Self-lubricating upper sliding bushes
- With integrated sideshifter
- With chromed round upper bar

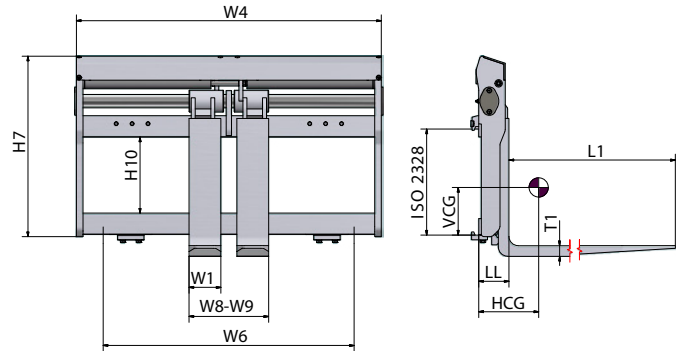
Model	Capacity	W8-W9	W4	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
PJI20T.090	2000/500	340-780	900	1200 x 100 x 40	210	565	104	225	182	192
PJI20T.095	2000/500	340-830	950	1200 x 100 x 40	210	565	104	222	185	195
PJI20T.100	2000/500	340-880	1000	1200 x 100 x 40	210	565	104	219	188	198
PJI20T.105	2000/500	340-930	1050	1200 x 100 x 40	210	565	104	217	191	201
PJI20T.110	2000/500	340-980	1100	1200 x 100 x 40	210	565	104	213	194	205
PJI20T.115	2000/500	340-1030	1150	1200 x 100 x 40	210	565	104	209	196	208
PJI25T.090	2500/500	340-780	900	1200 x 100 x 40	227	565	104	249	175	209
PJI25T.095	2500/500	340-830	950	1200 x 100 x 40	227	565	104	247	177	212
PJI25T.100	2500/500	340-880	1000	1200 x 100 x 40	227	565	104	245	179	215
PJI25T.105	2500/500	340-930	1050	1200 x 100 x 40	227	565	104	242	182	218
PJI25T.110	2500/500	340-980	1100	1200 x 100 x 40	227	565	104	239	185	222
PJI25T.115	2500/500	340-1030	1150	1200 x 100 x 40	227	565	104	237	187	225
PJI25T.125	2500/500	340-1130	1250	1200 x 100 x 40	227	565	104	235	189	231
PJI25T.135	2500/500	340-1230	1350	1200 x 100 x 40	227	565	104	233	191	238
PJI25T.150	2500/500	340-1380	1500	1200 x 100 x 40	227	565	104	231	193	249
PJI35T.110	3500/500	340-980	1100	1200 x 120 x 45	383	660	110	228	199	285
PJI35T.115	3500/500	340-1030	1150	1200 x 120 x 45	383	660	110	225	201	290
PJI35T.120	3500/500	340-1080	1200	1200 x 120 x 45	383	660	110	222	204	298
PJI35T.130	3500/500	340-1180	1300	1200 x 120 x 45	383	660	110	219	206	305
PJI35T.150	3500/500	340-1380	1500	1200 x 120 x 45	383	660	110	217	209	320
PJI50T.115	5000/500	420-1030	1150	1200 x 125 x 50	315	680	120	224	208	390
PJI50T.125	5000/500	420-1130	1250	1200 x 125 x 50	315	680	120	219	215	402
PJI50T.140	5000/500	420-1280	1400	1200 x 125 x 50	315	680	120	216	223	412
PJI50T.150	5000/500	420-1380	1500	1200 x 125 x 50	315	680	120	213	225	430
PJI50T.170	5000/500	420-1580	1700	1200 x 125 x 50	315	680	120	209	228	445
PJI55T.140	5000/600	455-1255	1400	1200 x 150 x 60	381	810	145	216	255	485
PJI55T.150	5000/600	455-1355	1500	1200 x 150 x 60	381	810	145	208	252	498
PJI55T.170	5000/600	455-1555	1700	1200 x 150 x 60	381	810	145	201	252	520

Attachment not recommended for clamping between forks

Available on request

- Load backrest

Fork positioner with pin-type forks without separate sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- Prices include forks
- Capacity on forks
- Technical data with forks
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- Without separate sideshifter

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PF25.098	2500/500	300-910	980	800	1200 x 120 x 40	290	640	110	190	192	189	2A
PF25.104	2500/500	300-970	1040	800	1200 x 120 x 40	290	640	110	185	192	193	2A
PF25.110	2500/500	300-1030	1100	900	1200 x 120 x 40	290	640	110	182	192	237	2A
PF25.115	2500/500	300-1080	1150	900	1200 x 120 x 40	290	640	110	180	192	239	2A
PF25.125	2500/500	300-1180	1250	1000	1200 x 120 x 40	290	640	110	178	194	245	2A
PF25.130	2500/500	300-1230	1300	1000	1200 x 120 x 40	290	640	110	175	194	247	2A
PF25.150	2500/500	300-1430	1500	1100	1200 x 120 x 40	290	640	110	170	194	258	2A
PF50.110	5000/500	340-1040	1100	900	1200 x 150 x 50	395	750	140	250	228	375	3A
PF50.115	5000/500	340-1090	1150	900	1200 x 150 x 50	395	750	140	247	228	380	3A
PF50.125	5000/500	340-1190	1250	1000	1200 x 150 x 50	395	750	140	245	228	390	3A
PF50.135	5000/500	340-1290	1350	1000	1200 x 150 x 50	395	750	140	243	229	400	3A
PF50.155	5000/500	340-1490	1550	1200	1200 x 150 x 50	395	750	140	241	229	419	3A
PF50.165	5000/500	340-1590	1650	1200	1200 x 150 x 50	395	750	140	239	229	429	3A
PF60.150	6000/600	570-1420	1500	1200	1200 x 150 x 60	300	870	165	180	312	639	4A
PF60.170	6000/600	570-1620	1700	1400	1200 x 150 x 60	300	870	165	175	312	679	4A
PF60.190	6000/600	570-1820	1900	1600	1200 x 150 x 60	300	870	165	170	312	719	4A
PF80.180	8000/600	570-1720	1800	1500	1200 x 150 x 70	300	870	175	170	291	757	4A
PF80.200	8000/600	570-1920	2000	1600	1200 x 150 x 70	300	870	175	165	291	797	4A
PF80.220	8000/600	570-2120	2200	1800	1200 x 150 x 70	300	870	175	160	291	837	4A
PF120.220	12000/600	670-2080	2200	1900	1200 x 200 x 70	350	870	260	210	320	1270	4A

Attachment not recommended for clamping between forks
Add-on prices for other fork lengths, see p. 260

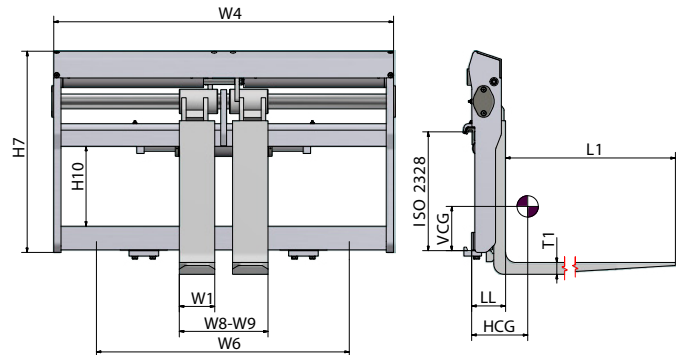
Available on request

- Class B forks

➤ See this attachment in action



Fork positioner with pin-type forks with separate sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- Prices include forks
- Capacity on forks
- Technical data with forks
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- With separate sideshifter
- Total sideshifter stroke: 100 + 100 mm (FEM 2 - FEM 3)
- Total sideshifter stroke: 150 + 150 mm (FEM 4)

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PF25T.098	2500/500	300-910	980	800	1200 x 120 x 40	240	640	115	195	193	190	2A
PF25T.104	2500/500	300-970	1040	800	1200 x 120 x 40	240	640	115	190	193	194	2A
PF25T.110	2500/500	300-1030	1100	900	1200 x 120 x 40	240	640	115	187	193	234	2A
PF25T.115	2500/500	300-1080	1150	900	1200 x 120 x 40	240	640	115	185	194	236	2A
PF25T.125	2500/500	300-1180	1250	1000	1200 x 120 x 40	240	640	115	183	194	242	2A
PF25T.130	2500/500	300-1230	1300	1000	1200 x 120 x 40	240	640	115	180	194	244	2A
PF25T.150	2500/500	300-1430	1500	1100	1200 x 120 x 40	240	640	115	175	194	255	2A
PF50T.110	5000/500	340-1040	1100	900	1200 x 150 x 50	310	750	142	244	235	367	3A
PF50T.115	5000/500	340-1090	1150	900	1200 x 150 x 50	310	750	142	241	235	372	3A
PF50T.125	5000/500	340-1190	1250	1000	1200 x 150 x 50	310	750	142	239	235	380	3A
PF50T.135	5000/500	340-1290	1350	1000	1200 x 150 x 50	310	750	142	237	237	403	3A
PF50T.155	5000/500	340-1490	1550	1200	1200 x 150 x 50	310	750	142	234	237	422	3A
PF50T.165	5000/500	340-1590	1650	1200	1200 x 150 x 50	310	750	142	232	237	432	3A
PF60T.150	6000/600	570-1420	1500	1200	1200 x 150 x 60	300	870	165	180	324	663	4A
PF60T.170	6000/600	570-1620	1700	1400	1200 x 150 x 60	300	870	165	175	326	703	4A
PF60T.190	6000/600	570-1820	1900	1600	1200 x 150 x 60	300	870	165	170	328	743	4A
PF80T.180	8000/600	570-1720	1800	1500	1200 x 150 x 70	300	870	165	170	302	781	4A
PF80T.200	8000/600	570-1920	2000	1600	1200 x 150 x 70	300	870	165	165	304	821	4A
PF80T.220	8000/600	570-2120	2200	1800	1200 x 150 x 70	300	870	165	160	307	861	4A
PF120T.220	12000/600	670-2080	2200	1900	1200 x 200 x 70	350	870	260	210	325	1290	4A

Attachment not recommended for clamping between forks
Add-on prices for other fork lengths, see p. 260

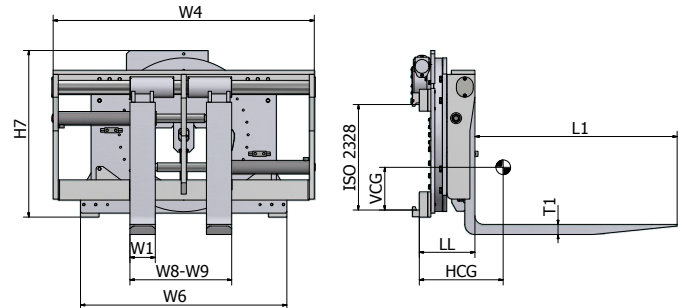
Available on request

- Class B forks

➤ See this attachment in action



Rotating fork positioner with pin-type forks 360°



Technical data

- W6 - Minimal width lift truck carriage
- Prices include forks
- Technical data with forks
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- Without sideshifter

Model	Capacity forks	Capacity Rotation	W8-W9	W4	W6	Forks L1 x W1 x T1	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PFR25.104	2500/500	2000/500	320-970	1040	750	1200 x 120 x 40	742	234	225	254	415	2A
PFR25.110	2500/500	2000/500	320-1030	1100	750	1200 x 120 x 40	742	234	222	250	425	2A
PFR25.120	2500/500	2000/500	320-1130	1200	750	1200 x 120 x 40	742	234	218	245	440	2A
PFR25.130	2500/500	2000/500	320-1230	1300	750	1200 x 120 x 40	742	234	213	240	462	2A
PFR50.110	5000/500	3500/500	420-1010	1100	1050	1200 x 150 x 50	840	279	234	295	707	3A
PFR50.120	5000/500	3500/500	420-1110	1200	1050	1200 x 150 x 50	840	279	231	292	722	3A
PFR50.130	5000/500	3500/500	420-1210	1300	1050	1200 x 150 x 50	840	279	228	291	735	3A
PFR50.140	5000/500	3500/500	420-1310	1400	1050	1200 x 150 x 50	840	279	224	290	755	3A
PFR60.155	6000/600	4000/600	570-1450	1550	1250	1200 x 150 x 60	989	330	258	383	1120	4A
PFR60.180	6000/600	4000/600	570-1700	1800	1250	1200 x 150 x 60	989	330	255	380	1170	4A

Attachment not recommended for clamping between forks

Options

- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- Separate sideshifter: 100 + 100 mm for ISO/FEM 3
- Separate sideshifter: 100 + 100 mm for ISO/FEM 4
- Class 2 or class 3 quick-release lower mountings
- Class 4 quick-release lower mountings

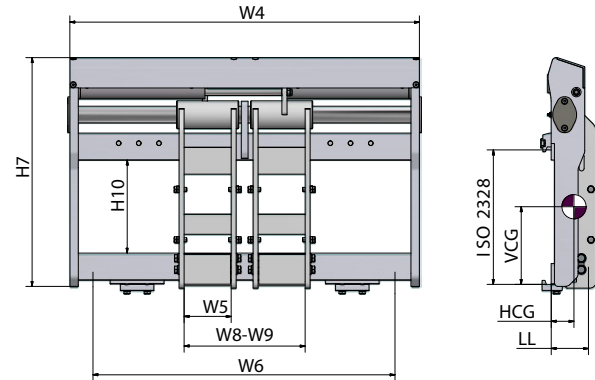
Available on request

- Load backrest
- Class B forks

- See this attachment in action



Heavy-duty fork positioner with bar-mounted FEM fork carriers without sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- W5 - Fork adapter width
- Prices exclude forks
- Technical data without forks
- Maximum advised fork length: 1600 mm (FEM 2 - FEM 3)
- Maximum advised fork length: 2600 mm (FEM 4)
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- Without separate sideshifter
- Standard lift truck forks can be easily fitted

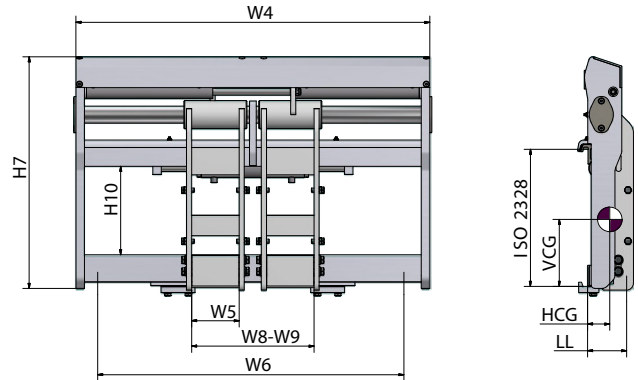
Model	Capacity	W8-W9	W4	W6	W5	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PFA25.098	2500/500	360-870	980	800	130	290	640	104	54	340	124	2
PFA25.104	2500/500	360-930	1040	800	130	290	640	104	54	340	147	2
PFA25.110	2500/500	360-990	1100	900	130	290	640	104	54	340	150	2
PFA25.115	2500/500	360-1040	1150	900	130	290	640	104	54	342	152	2
PFA25.125	2500/500	360-1140	1250	1000	130	290	640	104	54	342	158	2
PFA25.130	2500/500	360-1190	1300	1000	130	290	640	104	54	342	160	2
PFA25.150	2500/500	360-1390	1500	1100	130	290	640	104	54	342	171	2
PFA50.110	5000/500	400-980	1100	900	150	390	750	133	60	376	223	3
PFA50.115	5000/500	400-1030	1150	900	150	390	750	133	60	376	228	3
PFA50.125	5000/500	400-1130	1250	1000	150	390	750	133	60	376	237	3
PFA50.135	5000/500	400-1230	1350	1000	150	390	750	133	60	378	244	3
PFA50.155	5000/500	400-1430	1550	1200	150	390	750	133	60	378	254	3
PFA50.165	5000/500	400-1530	1650	1200	150	390	750	133	60	378	274	3
PFA60.120	6000/600	515-1065	1200	1100	200	300	870	200	95	436	470	4
PFA60.135	6000/600	515-1215	1350	1100	200	300	870	200	95	436	490	4
PFA60.150	6000/600	515-1365	1500	1200	200	300	870	200	95	436	512	4
PFA60.170	6000/600	515-1565	1700	1400	200	300	870	200	95	436	552	4
PFA60.190	6000/600	515-1765	1900	1600	200	300	870	200	95	440	592	4
PFA80.180	8000/600	515-1665	1800	1500	200	300	870	200	95	437	596	4
PFA80.200	8000/600	515-1865	2000	1600	200	300	870	200	95	440	636	4
PFA80.220	8000/600	515-2065	2200	1800	200	300	870	200	95	440	676	4
PFA120.220	12000/600	560-2000	2200	1800	200	300	870	260	120	440	1050	4

Attachment not recommended for clamping between forks

➤ See this attachment in action



Heavy-duty fork positioner with bar-mounted FEM fork carriers with separate sideshifter



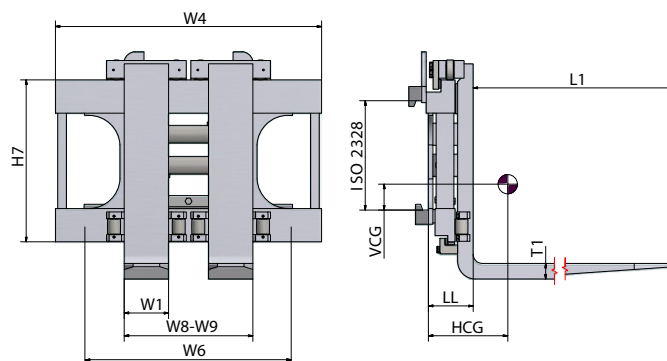
Technical data

- W6 - Minimal width lift truck carriage
- W5 - Fork adapter width
- Prices exclude forks
- Technical data without forks
- Standard lift truck forks can be easily fitted
- Maximum advised fork length: 1600 mm (FEM 2 - FEM 3)
- Maximum advised fork length: 2600 mm (FEM 4)
- Self-lubricating upper sliding bushes
- With chromed round upper bar
- With separate sideshifter
- Total sideshifter stroke: 100 + 100 mm (FEM 2 - FEM 3)
- Total sideshifter stroke: 150 + 150 mm (FEM 4)

Model	Capacity	W8-W9	W4	W6	H10	W5	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PFA25T.098	2500/500	360-870	980	800	240	130	640	104	54	336	129	2
PFA25T.104	2500/500	360-930	1040	800	240	130	640	104	54	336	152	2
PFA25T.110	2500/500	360-990	1100	900	240	130	640	104	54	336	155	2
PFA25T.115	2500/500	360-1040	1150	900	240	130	640	104	54	336	157	2
PFA25T.125	2500/500	360-1140	1250	1000	240	130	640	104	54	338	163	2
PFA25T.130	2500/500	360-1190	1300	1000	240	130	640	104	54	338	167	2
PFA25T.150	2500/500	360-1390	1500	1100	240	130	640	104	54	338	180	2
PFA50T.110	5000/500	400-980	1100	900	310	150	750	135	67	378	230	3
PFA50T.115	5000/500	400-1030	1150	900	310	150	750	135	67	378	235	3
PFA50T.125	5000/500	400-1130	1250	1000	310	150	750	135	67	378	245	3
PFA50T.135	5000/500	400-1230	1350	1000	310	150	750	135	67	379	252	3
PFA50T.155	5000/500	400-1430	1550	1200	310	150	750	135	60	385	272	3
PFA50T.165	5000/500	400-1530	1650	1200	310	150	750	135	67	379	292	3
PFA60T.120	6000/600	515-1065	1200	1100	300	200	870	200	95	438	515	4
PFA60T.135	6000/600	515-1215	1350	1100	300	200	870	200	95	438	536	4
PFA60T.150	6000/600	515-1365	1500	1200	300	200	870	200	95	438	560	4
PFA60T.170	6000/600	515-1565	1700	1400	300	200	870	200	95	438	600	4
PFA60T.190	6000/600	515-1765	1900	1600	300	200	870	200	95	438	648	4
PFA80T.180	8000/600	515-1665	1800	1500	300	200	870	200	95	439	664	4
PFA80T.200	8000/600	515-1865	2000	1700	300	200	870	200	95	439	704	4
PFA80T.220	8000/600	515-2065	2200	1900	300	200	870	200	95	439	744	4
PFA120T.220	12000/600	560-2000	2200	1900	300	200	870	260	124	442	1144	4

Attachment not recommended for clamping between forks

High-capacity fork positioner with integrated forks



Technical data

- > W6 - Minimal width lift truck carriage
- > Prices include forks
- > Technical data with forks
- > Welded forks
- > Capacity on forks
- > Fork positioning with rollers
- > Without sideshifter

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PR100.200	10000/600	580-1800	2000	1700	1600 x 200 x 70	730	197	225	520	1285	4A
PR100.220	10000/600	580-2000	2200	1800	1600 x 200 x 70	730	197	218	535	1320	4A
PR100.240	10000/600	580-2200	2400	1800	1600 x 200 x 70	730	197	208	556	1365	4A
PR120.200	12000/600	580-1800	2000	1700	1600 x 200 x 70	730	197	220	507	1380	4A
PR120.220	12000/600	580-2000	2200	1800	1600 x 200 x 70	730	197	214	523	1415	4A
PR120.240	12000/600	580-2200	2400	1800	1600 x 200 x 70	730	197	204	538	1460	4A

Attachment not recommended for clamping between forks

Options

Integrated sideshifter

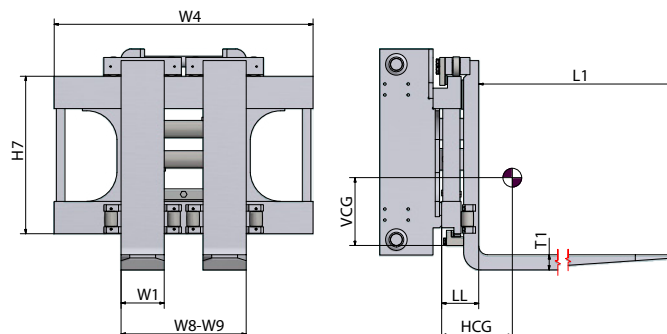
Available on request

- > Class B forks

- > See this attachment in action



Integrated high-capacity fork positioner with integrated forks



Technical data

- Prices include forks
- Technical data with forks
- Welded forks
- Capacity on forks
- Fork positioning with rollers
- Without sideshifter
- Technical data without carriage side plates

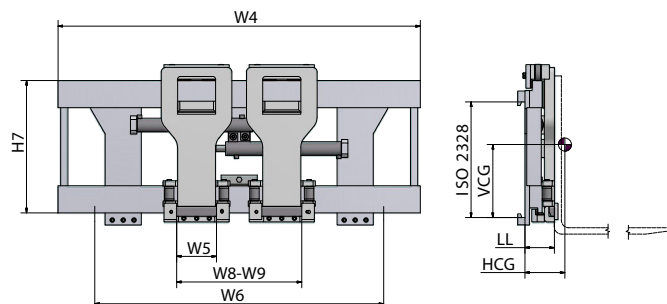
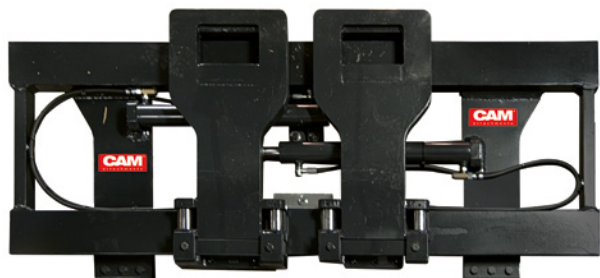
Model	Capacity	W8-W9	W4	Forks L1 x W1 x T1	H7	LL	HCG	VCG	Weight
	kg/mm	mm	mm	mm	mm	mm	mm	mm	kg
PRI100.200	10000/600	580-1800	2000	1600 x 200 x 70	730	197	225	520	1285
PRI100.220	10000/600	580-2000	2200	1600 x 200 x 70	730	197	218	535	1320
PRI100.240	10000/600	580-2200	2400	1600 x 200 x 70	730	197	208	556	1365
PRI120.200	12000/600	580-1800	2000	1600 x 200 x 70	730	197	220	507	1380
PRI120.220	12000/600	580-2000	2200	1600 x 200 x 70	730	197	214	523	1415
PRI120.240	12000/600	580-2200	2400	1600 x 200 x 70	730	197	204	538	1460

These models are integrated in the mast. Supplied with side plates and roller shafts. Mast engineering drawings required.
Attachment not recommended for clamping between forks

Options

Integrated sideshifter

High-capacity fork positioner with FEM fork carriers without sideshifter



Technical data

- > W6 - Minimal width lift truck carriage
- > W5 - Fork adapter width
- > Prices exclude forks
- > Technical data without forks
- > Without sideshifter
- > FEM fork carriers with rollers
- > Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W5	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
PRA100.200	10000/600	630-1820	2000	1700	200	730	162	75	418	810	4
PRA100.220	10000/600	630-2020	2200	1800	200	730	162	74	410	880	4
PRA100.240	10000/600	630-2220	2400	1800	200	730	162	73	403	950	4
PRA120.200	12000/600	630-1820	2000	1700	200	730	172	83	420	855	4
PRA120.220	12000/600	630-2020	2200	1800	200	730	172	82	414	925	4
PRA120.240	12000/600	630-2220	2400	1800	200	730	172	81	408	995	4

Attachment not recommended for clamping between forks

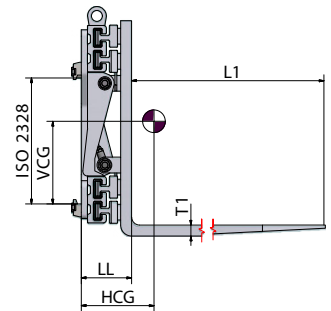
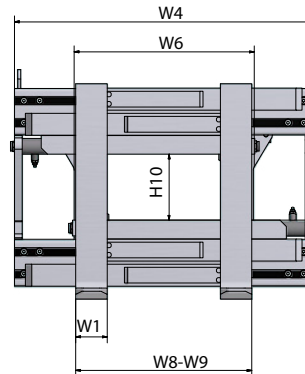
Options

Integrated sideshifter

- > See this attachment in action



Wide-opening fork positioner with welded forks



Technical data

- W6 - Minimal width lift truck carriage
- Prices include forks
- Technical data with forks
- Welded forks
- Capacity on forks
- Without sideshifter

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
WF16-A0-12	1600/500	560-1740	950	750	1200 x 100 x 35	210	180	190	195	327	2A
WF16-B0-12	1600/500	560-1840	1050	750	1200 x 100 x 35	210	180	186	199	340	2A
WF20-A0-12	2000/500	560-1740	950	750	1200 x 100 x 40	210	185	203	190	336	2A
WF20-B0-12	2000/500	560-1840	1050	750	1200 x 100 x 40	210	185	198	192	348	2A
WF20-C0-12	2000/500	560-1940	1150	750	1200 x 100 x 40	210	185	193	195	367	2A
WF23-A0-12	2300/500	560-1740	950	750	1200 x 100 x 40	210	185	194	183	349	2A
WF23-B0-12	2300/500	560-1840	1050	750	1200 x 100 x 40	210	185	193	189	359	2A
WF23-C0-12	2300/500	560-1940	1150	750	1200 x 100 x 40	210	185	192	195	369	2A
WF30-A0-12	3000/500	560-1840	1050	800	1200 x 120 x 45	285	190	220	219	403	3A
WF30-B0-12	3000/500	560-1940	1150	900	1200 x 120 x 45	285	190	214	223	419	3A
WF30-C0-12	3000/500	560-2100	1320	900	1200 x 120 x 45	285	190	209	226	436	3A
WF40-A0-12	4000/500	560-1940	1150	900	1200 x 120 x 50	240	225	206	254	572	3A
WF40-B0-12	4000/500	560-2100	1320	1000	1200 x 120 x 50	240	225	199	258	613	3A
WF40-C0-12	4000/500	560-2400	1600	1050	1200 x 120 x 50	240	225	191	262	664	3A
WF45-A0-12	4500/500	560-1940	1150	900	1200 x 150 x 50	240	225	226	244	617	3A
WF45-B0-12	4500/500	560-2100	1320	1000	1200 x 150 x 50	240	225	218	248	669	3A
WF45-C0-12	4500/500	560-2400	1600	1050	1200 x 150 x 50	240	225	209	252	725	3A
WF55-A0-12	5500/500	560-2100	1320	1000	1200 x 150 x 60	330	220	186	248	657	4A
WF55-B0-12	5500/500	560-2400	1600	1050	1200 x 150 x 60	330	220	176	248	685	4A
WF65-A0-12	6500/600	560-2400	1600	1050	1200 x 150 x 60	330	235	181	248	815	4A
WF65-B0-12	6500/600	560-2600	1800	1200	1200 x 150 x 60	330	235	172	248	840	4A
WF80-A0-12	8000/600	660-2390	1800	1250	1200 x 150 x 70	250	290	205	252	1590	4A
WF90-A0-12	9000/600	660-2590	2000	1350	1200 x 180 x 70	245	295	195	254	1680	4A

Attachment not recommended for clamping between forks
Add-on prices for other fork lengths, see p. 260

Options

2 hydraulic functions – Integrated sideshifter

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

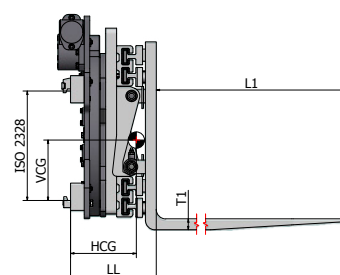
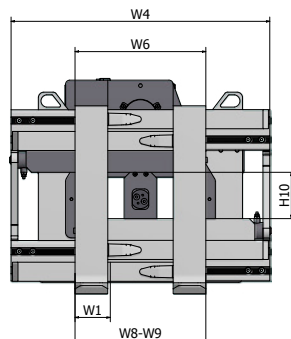
Available on request

- Class B forks
- Bolted forks

➤ See this
attachment
in action



Rotating wide-opening fork positioner without sideshifter 360°



Technical data

- > W6 - Minimal width lift truck carriage
- > Prices include forks
- > Technical data with forks
- > Welded forks
- > Capacity on forks
- > Without sideshifter

Model	Capacity forks	Capacity rotation	W8-W9	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
WF16R	1600/500	1200/500	480/1540	950	750	1200 x 100 x 40	170	315	230	235	535	2A
WF23R	2300/500	1600/500	480/1540	950	750	1200 x 120 x 40	170	315	245	225	556	2A
WF30R	3000/500	2500/500	450/1640	1150	900	1200 x 120 x 50	245	325	250	280	680	3A
WF40R	4000/500	2800/500	450/1640	1150	1050	1200 x 150 x 50	162	355	273	288	860	3A
WF45R	4500/500	4000/500	560/1820	1150	1050	1200 x 150 x 50	162	325	248	310	940	3A
WF55R	4500/600	4000/600	560/1820	1150	1230	1200 x 150 x 60	240	360	268	369	990	4A
WF60R	5000/600	4500/600	560/1900	1250	1230	1200 x 150 x 60	245	375	308	306	1050	4A
WF70R	7000/600	6000/600	560/1950	1320	1200	1200 x 150 x 70	240	450	302	394	1700	4A

Attachment not recommended for clamping between forks
Add-on prices for other fork lengths, see p. 260

Options

2 hydraulic functions – Integrated sideshifter

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

2 hydraulic functions – Independent arm control

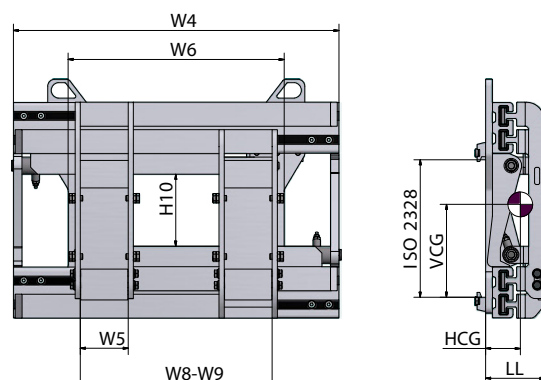
Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

Available on request

- Class B forks
- Bolted forks

Wide-opening fork positioner with FEM fork carriers



Technical data

- W6 - Minimal width lift truck carriage
- W5 - Fork adapter width
- Prices exclude forks
- Maximum advised fork length: 1600 mm (FEM 2 - FEM 3)
- Maximum advised fork length: 2000 mm (FEM 4)
- Without sideshifter
- Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W5	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
WA16-A0	1600/500	560-1740	950	750	130	210	185	81	255	265	2
WA16-B0	1600/500	560-1840	1050	750	130	210	185	80	254	280	2
WA16-C0	1600/500	560-1940	1150	750	130	210	185	82	255	295	2
WA20-A0	2000/500	560-1740	950	750	130	210	185	81	255	265	2
WA20-B0	2000/500	560-1840	1050	750	130	210	185	80	254	280	2
WA20-C0	2000/500	560-1940	1150	750	130	210	185	82	255	295	2
WA23-A0	2300/500	560-1740	950	750	130	210	185	80	249	268	2
WA23-B0	2300/500	560-1840	1050	750	130	210	185	80	249	285	2
WA23-C0	2300/500	560-1940	1150	750	130	210	185	80	249	300	2
WA30-A0	3000/500	560-1840	1050	800	150	285	200	88	293	310	3
WA30-B0	3000/500	560-1940	1150	900	150	285	200	88	293	323	3
WA30-C0	3000/500	560-2100	1320	900	150	285	200	88	293	348	3
WA40-A0	4000/500	560-1940	1150	900	150	240	234	99	314	460	3
WA40-B0	4000/500	560-2100	1320	1000	150	240	234	99	214	492	3
WA40-C0	4000/500	560-2400	1600	1050	150	240	234	98	314	550	3
WA45-A0	4500/500	560-1940	1150	900	150	240	234	98	314	468	3
WA45-B0	4500/500	560-2100	1320	1000	150	240	234	99	314	503	3
WA45-C0	4500/500	560-2400	1600	1050	150	240	234	99	314	555	3
WA50-A0	5000/500	560-1940	1150	900	150	240	234	99	314	468	3
WA50-B0	5000/500	560-2100	1320	1000	150	240	234	102	311	486	3
WA50-C0	5000/500	560-2400	1600	1050	150	240	234	100	314	520	3
WA55-A0	5500/500	560-2100	1320	1000	200	330	250	115	292	612	4
WA55-B0	5500/500	560-2400	1600	1050	200	330	250	112	282	700	4
WA65-A0	6500/600	560-2380	1600	1050	200	330	250	109	291	783	4
WA65-B0	6500/600	560-2580	1800	1200	200	330	250	107	290	835	4
WA80-A0	8000/600	660-2390	1800	1250	200	250	305	135	290	1510	4
WA90-A0	9000/600	600-2590	2000	1350	200	245	310	145	288	1595	4

Attachment not recommended for clamping between forks

Options

2 hydraulic functions – Integrated sideshifter

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

2 hydraulic functions – Independent arm control

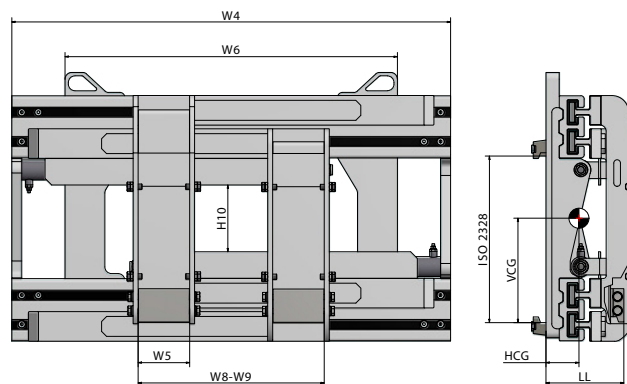
Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

> See this
attachment
in action



Wide-opening fork positioner with FEM fork carriers and integrated sideshifter



Technical data

- W6 - Minimal width lift truck carriage
- W5 - Fork adapter width
- Prices exclude forks
- Maximum advised fork length: 1600 mm (FEM 2 - FEM 3)
- Maximum advised fork length: 2000 mm (FEM 4)
- With integrated sideshifter
- Standard lift truck forks can be easily fitted

Model	Capacity	W8-W9	W4	W6	W5	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	
WA16-AOT	1600/500	560-1740	950	750	130	210	185	81	255	265	2
WA16-BOT	1600/500	560-1840	1050	750	130	210	185	80	254	280	2
WA16-COT	1600/500	560-1940	1150	750	130	210	185	82	255	295	2
WA20-AOT	2000/500	560-1740	950	750	130	210	185	81	255	265	2
WA20-BOT	2000/500	560-1840	1050	750	130	210	185	80	254	280	2
WA20-COT	2000/500	560-1940	1150	750	130	210	185	82	255	295	2
WA23-AOT	2300/500	560-1740	950	750	130	210	185	80	249	268	2
WA23-BOT	2300/500	560-1840	1050	750	130	210	185	80	249	285	2
WA23-COT	2300/500	560-1940	1150	750	130	210	185	80	249	300	2
WA30-AOT	3000/500	560-1840	1050	800	150	285	200	88	293	310	3
WA30-BOT	3000/500	560-1940	1150	900	150	285	200	88	293	323	3
WA30-COT	3000/500	560-2100	1320	900	150	285	200	88	293	348	3
WA40-AOT	4000/500	560-1940	1150	900	150	240	234	99	314	460	3
WA40-BOT	4000/500	560-2100	1320	1000	150	240	234	99	214	492	3
WA40-COT	4000/500	560-2400	1600	1050	150	240	234	98	314	550	3
WA45-AOT	4500/500	560-1940	1150	900	150	240	234	98	314	468	3
WA45-BOT	4500/500	560-2100	1320	1000	150	240	234	99	314	503	3
WA45-COT	4500/500	560-2400	1600	1050	150	240	234	99	314	555	3
WA50-AOT	5000/500	560-1940	1150	900	150	240	234	99	314	468	3
WA50-BOT	5000/500	560-2100	1320	1000	150	240	234	102	311	486	3
WA50-COT	5000/500	560-2400	1600	1050	150	240	234	100	314	520	3
WA55-AOT	5500/500	560-2100	1320	1000	200	330	250	115	292	612	4
WA55-BOT	5500/500	560-2400	1600	1050	200	330	250	112	282	700	4
WA65-AOT	6500/600	560-2380	1600	1050	200	330	250	109	291	783	4
WA65-BOT	6500/600	560-2580	1800	1200	200	330	250	107	290	835	4
WA80-AOT	8000/600	660-2390	1800	1250	200	250	305	135	290	1510	4
WA90-AOT	9000/600	600-2590	2000	1350	200	245	310	145	288	1595	4

Attachment not recommended for clamping between forks

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

➤ See this
attachment
in action



Technical data

fork positioners

	Positioning						Sideshifting						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
PH25 - PH35	80	160	240	5	16	25	-	-	-	-	-	-	1
PH50 - PH55	80	160	240	8	16	30	-	-	-	-	-	-	1
PH70 - PH120	100	160	240	8	16	35	-	-	-	-	-	-	1
PH25T - PH35T	80	160	240	5	16	25	130	160	220	6	12	18	2
PH50T - PH55T	80	160	240	8	16	30	130	160	220	6	12	18	2
PH70T - PH120T	100	160	240	8	16	35	130	160	220	7	14	25	2
PL25 - PL35	80	160	220	5	16	25	-	-	-	-	-	-	1
PL50	80	160	220	8	16	30	-	-	-	-	-	-	1
PL25T - PL35T	80	160	220	5	16	25	130	160	220	6	12	18	2
PL50T	80	160	220	8	16	30	130	160	220	6	12	18	2
PJ20T - PJ35T	80	160	220	8	16	30	130	160	220	8	15	25	2
PJ50T-PJ55T	80	160	220	8	16	30	130	160	220	10	15	25	2
PJA	80	160	220	8	16	30	130	160	220	-	-	-	2
PJ120T - PJ135T	80	160	220	8	16	30	130	160	220	8	15	25	2
PJ150T-PJ155T	80	160	220	8	16	30	130	160	220	10	15	25	2
PF25	80	160	220	5	16	25	-	-	-	-	-	-	1
PF50	80	160	220	8	20	30	-	-	-	-	-	-	1
PF60 - PF120	100	160	220	12	20	40	-	-	-	-	-	-	1
PF25T	80	160	220	5	10	25	130	160	220	6	12	18	2
PF50T	80	160	220	8	20	30	130	160	220	6	12	18	2
PF60T - PF120T	100	160	220	12	20	40	130	160	220	7	14	25	2
PFA25	80	160	220	5	16	25	-	-	-	-	-	-	1
PFA50	80	160	220	8	20	30	-	-	-	-	-	-	1
PFA60 - PFA120	100	160	220	12	20	40	-	-	-	-	-	-	1
PFA25T	80	160	220	5	16	25	130	160	220	6	12	18	2
PFA50T	80	160	220	8	20	30	130	160	220	6	12	18	2
PFA60T - PFA120T	100	160	220	12	20	40	130	160	220	7	14	25	2
PR100 - PR120	100	160	220	20	35	50	-	-	-	-	-	-	1
PRI100 - PRI120	100	160	220	20	35	50	-	-	-	-	-	-	1
PRA100 - PRA120	100	160	220	20	35	50	-	-	-	-	-	-	1
WF16 - WF23	80	160	220	12	20	30	-	-	-	-	-	-	1
WF30 - WF45	100	160	220	12	20	30	-	-	-	-	-	-	1
WF55 - WF90	100	160	220	15	25	40	-	-	-	-	-	-	1
WA16- WA23	80	160	220	12	20	30	-	-	-	-	-	-	1
WA30 - WA50	100	160	220	12	20	30	-	-	-	-	-	-	1
WA55 - WA90	100	160	220	15	25	40	-	-	-	-	-	-	1
WA16T- WA23T	80	160	220	12	20	30	130	160	220	10	15	25	
WA30T - WA50T	100	160	220	12	20	30	130	160	220	10	15	25	
WA55T - WA90T	100	160	220	15	25	40	130	160	220	12	18	30	

	Positioning						Rotating						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
PFR25	80	160	200	15	20	30	130	160	180	20	30	40	2
PFR50 - PFR60	100	160	200	15	25	35	130	160	180	20	40	65	2
PHR25 - PHR35	80	160	200	15	20	30	130	160	180	20	30	40	2
PHR50	100	160	200	15	25	35	130	160	180	20	40	65	2
WF16R - WF23R	80	160	180	15	20	30	80	160	180	15	25	40	2
WF30R - WF45R	100	160	180	15	20	30	100	160	180	18	30	45	2
WF55R - WF70R	100	160	180	15	25	40	100	160	180	18	30	45	2





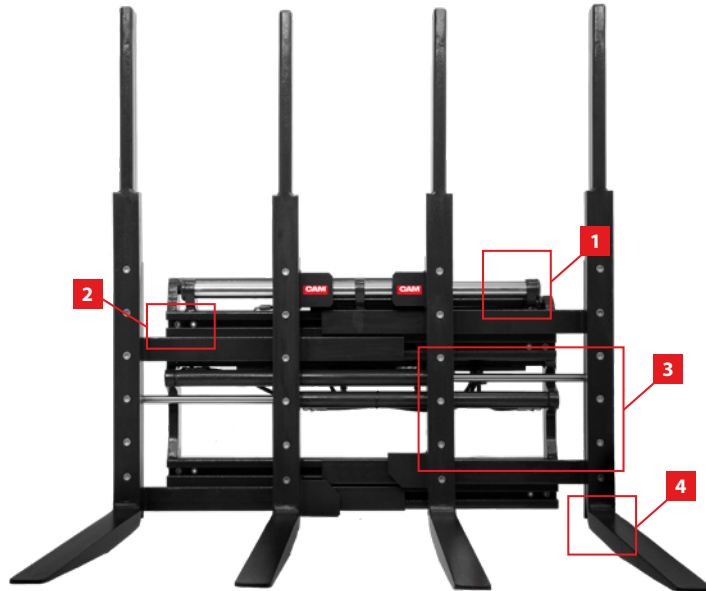
3. Multi-fork positioners

The multi-fork positioner is ideal for handling several pallets simultaneously. Our range includes 4-fork positioners (2 pallets) and 6-fork positioners (3 pallets). A great way to increase your productivity.

Chapter overview

3.1	Four-fork positioner for multi-pallets	DPS	62
3.2	Six-fork positioner for multi-pallets	TPS	64
Technical data multi-fork positioners			65

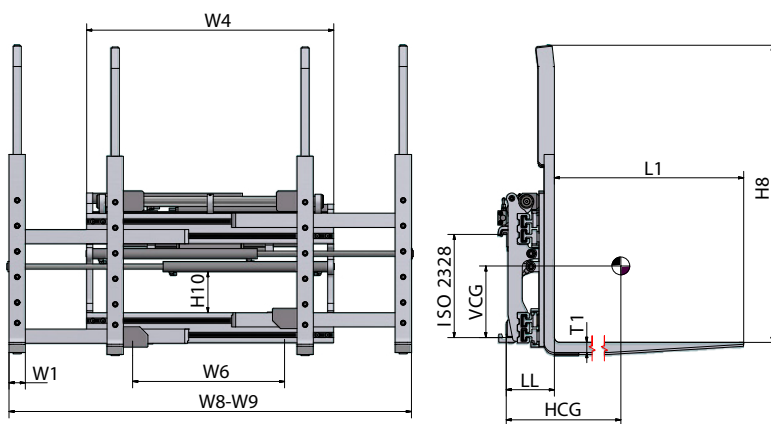
Four-fork positioner for multi-pallets



Our multi-fork positioners are designed to handle palletised loads from the food and beverage industry (beverages and drinks cases, empty bottles, etc.), manufacturing, distribution and warehousing operations.

Designed for both indoor and outdoor logistics environments, the multi-fork positioners allow you to handle and store multiple pallets quickly and with optimal use of space.

Our multi-fork-positioner range includes several 4-fork positioners (DPS-model, 2 pallets) but also 6-fork positioners (TPS-model, 3 pallets). The standard hydraulic flow divider ensures the multiple forks are positioned in synchronisation.



Characteristics

1. Large chromed round bar for internal forks and bushes
2. Squared steel extruded profiles
3. High internal visibility
4. Wear strips under forks





Technical data

- W6 - Minimal width lift truck carriage
- With separate sideshifter
- Total sideshifter stroke: 100 + 100 mm
- Integrated flow divider
- Bolted forks

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H8	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
Model for Euro-pallets (800 x 1200 mm)												
DPS16	1600/600	560-1720	950	800	1150 x 80 x 50	1300	160	230	230	256	555	2A
DPS18	1800/600	560-1970	1200	800	1150 x 80 x 50	1450	160	230	222	252	620	2A
DPS25	2500/600	560-1970	1200	900	1150 x 80 x 50	1450	200	235	228	253	635	3A
DPS32	3200/600	560-1970	1200	900	1150 x 80 x 50	1450	200	235	228	325	640	3A
DPS36	3600/600	560-1970	1250	900	1150 x 80 x 60	1450	250	265	235	317	770	3A
DPS40	4000/600	560-1970	1250	900	1150 x 80 x 60	1450	250	275	235	350	830	4A
DPS1812	1800/1200	560-1970	1250	950	2350 x 80 x 65	1450	250	270	517	312	986	3A
DPS1812-4	1800/1200	560-1970	1250	950	2350 x 80 x 65	1450	250	285	509	332	1015	4A
DPS2612	2600/1200	560-1970	1300	950	2350 x 80 x 70	1450	250	275	528	311	1011	3A
DPS2612-4	2600/1200	560-1970	1300	950	2350 x 80 x 70	1450	250	290	519	329	1040	4A
Model for international pallets (1000 x 1200 mm)												
DPS16A	1600/600	660-1820	950	800	1150 x 80 x 50	1450	160	230	230	254	555	2A
DPS18A	1800/600	660-2070	1200	800	1150 x 80 x 50	1450	160	230	222	250	605	2A
DPS25A	2500/600	660-2070	1200	900	1150 x 80 x 50	1450	200	235	218	251	635	3A
DPS32A	3200/600	660-2070	1200	900	1150 x 80 x 50	1450	200	235	227	323	642	3A
DPS36A	3600/600	660-2070	1250	900	1150 x 80 x 60	1450	250	265	235	315	772	3A
DPS40A	4000/600	660-2070	1250	900	1150 x 80 x 60	1450	250	275	235	347	830	4A
DPS1812A	1800/1200	660-2070	1250	950	2350 x 80 x 65	1450	250	285	529	245	1090	3A
DPS1812-4A	1800/1200	660-2070	1250	950	2350 x 80 x 65	1450	250	285	509	331	1015	4A
DPS2612A	2600/1200	660-2070	1300	950	2350 x 80 x 70	1450	250	275	528	310	1011	3A
DPS2612-4A	2600/1200	660-2070	1300	950	2350 x 80 x 70	1450	250	290	519	328	1040	4A

Attachment not recommended for clamping between forks

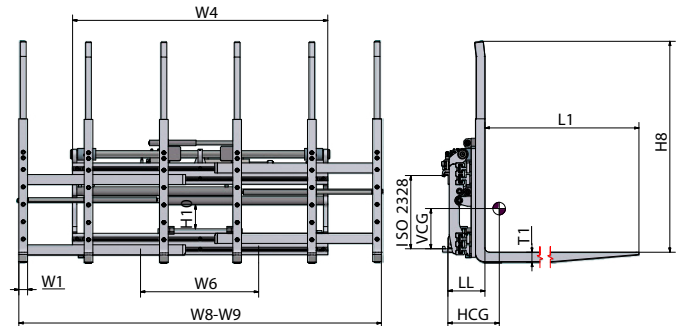
Available on request

- Models without sidershifters
- Other fork dimensions
- Models with load stabiliser

➤ See this attachment in action



Six-fork positioner for multi-pallets



Technical data

- W6 - Minimal width lift truck carriage
- With separate sideshifter
- Total sideshifter stroke: 100 + 100 mm
- Integrated flow divider
- Bolted forks

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H8	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
Model for Euro-pallets (800 x 1200 mm)												
TPS30.156	3000/600	560-2300	1560	1100	1150 x 60 x 50	1450	200	240	235	293	755	3A
TPS30.166	3000/600	560-2400	1660	1100	1150 x 60 x 50	1450	200	240	225	294	775	3A
TPS30.176	3000/600	560-2500	1760	1100	1150 x 60 x 50	1450	200	240	215	295	795	3A
TPS36.156	3600/600	560-2300	1560	1100	1150 x 60 x 60	1450	200	250	235	292	790	3A
TPS36.166	3600/600	560-2400	1660	1100	1150 x 60 x 60	1450	200	250	226	294	810	3A
TPS36.176	3600/600	560-2500	1760	1100	1150 x 60 x 60	1450	200	250	217	295	830	3A
TPS45.166	4500/600	560-2400	1660	1200	1150 x 60 x 65	1450	200	255	218	325	845	4A
TPS45.176	4500/600	560-2500	1760	1200	1150 x 60 x 65	1450	200	255	215	320	856	4A
Model for international pallets (1000 x 1200 mm)												
TPS30A	3000/600	660-2900	1960	1100	1150 x 60 x 50	1450	200	240	235	287	815	3A
TPS36A	3600/600	660-2900	1960	1100	1150 x 60 x 60	1450	200	250	230	282	850	3A
TPS45A	4500/600	660-2900	1960	1300	1150 x 60 x 65	1450	200	255	228	318	875	4A

Attachment not recommended for clamping between forks

Available on request

- Models without sideshifter

➤ See this attachment in action



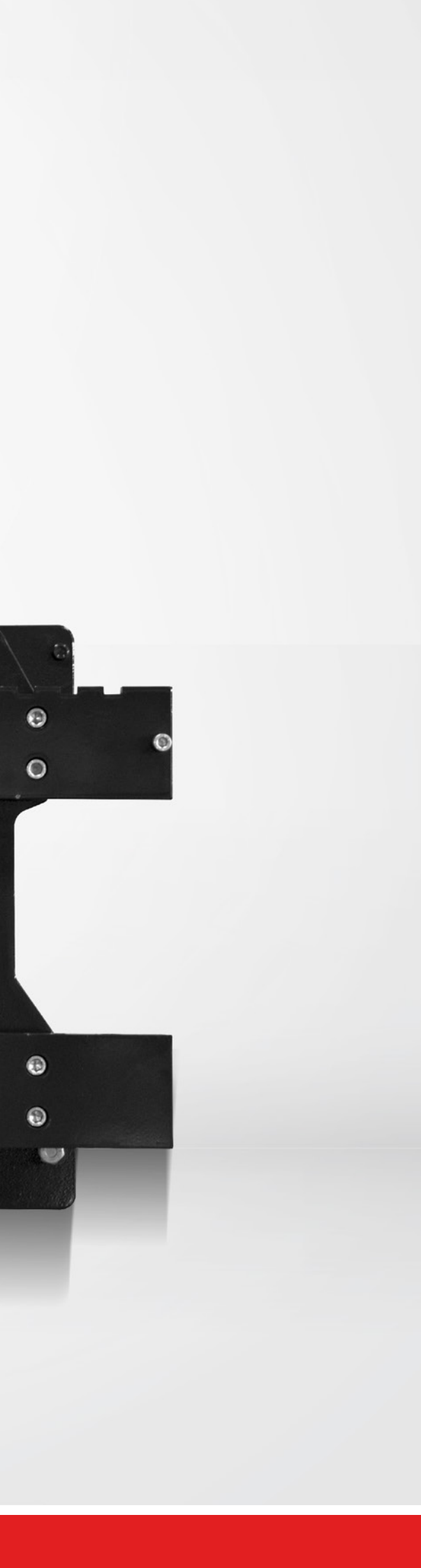
Technical data

multi-fork positioners

	Positioning						Sideshifting						Hydraulic functions
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
DPS16 - DPS18	100	150	180	15	20	25	130	160	200	7	14	25	2
DPS25 - DPS36	100	150	180	15	20	30	130	160	200	10	14	25	2
DPS40	100	150	180	15	20	40	130	160	200	10	14	25	2
DPS1812	100	150	180	15	20	30	130	160	200	10	14	25	2
DPS1812-4	100	150	180	15	20	30	130	160	200	10	14	25	2
DPS2612	100	150	180	15	20	40	130	160	200	10	14	25	2
DPS2612-4	100	150	180	15	20	40	130	160	200	10	14	25	2
DPS16A - DPS18A	100	150	180	15	20	25	130	160	200	7	14	25	2
DPS25A - DPS36A	100	150	180	15	20	30	130	160	200	10	14	25	2
DPS40A	100	150	180	15	20	40	130	160	200	10	14	25	2
DPS1812A	100	150	180	15	20	30	130	160	200	10	14	25	2
DPS1812-4A	100	150	180	15	20	30	130	160	200	10	14	25	2
DPS2612A	100	150	180	15	20	40	130	160	200	10	14	25	2
DPS2612-4A	100	150	180	15	20	40	130	160	200	10	14	25	2
TPS30 - TPS36	100	150	180	15	25	40	130	160	200	10	14	25	2
TPS45	100	150	180	15	25	40	130	160	200	10	14	25	2
TPS30A - TPS36A	100	150	180	15	25	40	130	160	200	10	14	25	2
TPS45A	100	150	180	15	25	40	130	160	200	10	14	25	2







4. Rotators

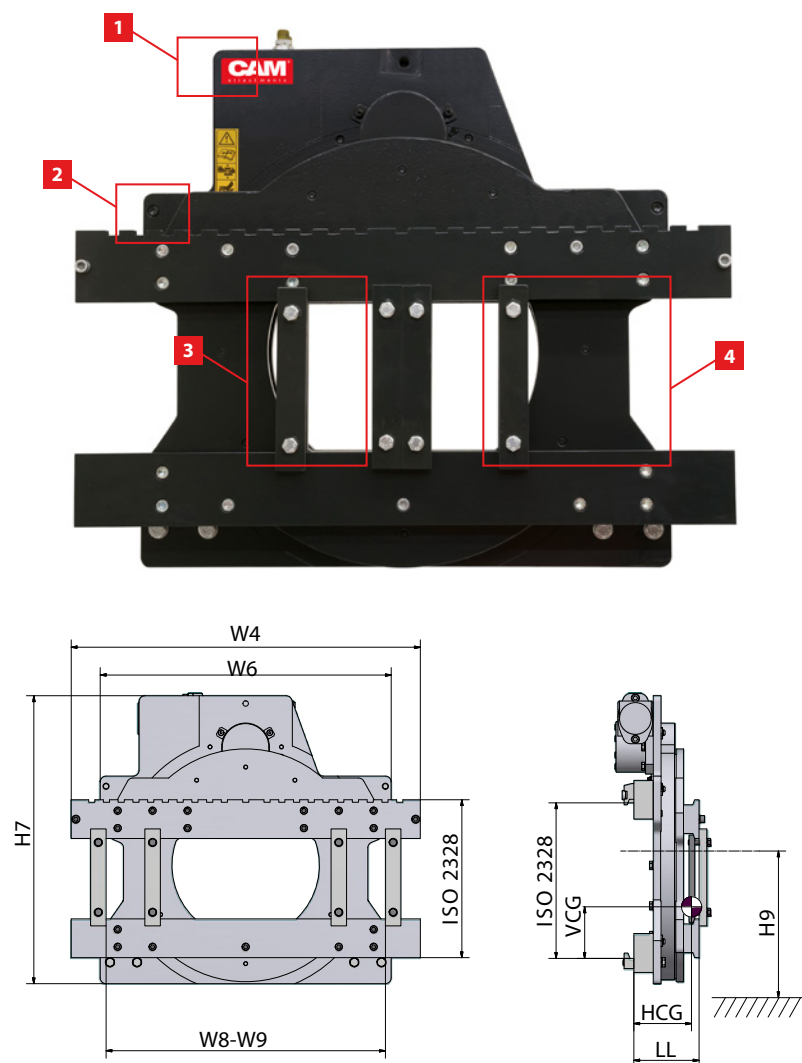
Rotators allow you to rotate the forks on your truck to safely and efficiently rotate loads for dumping. We have several models in our range to meet your professional requirements. We even offer a marine version, specially designed for the fishing industry.

Chapter overview

4.1	Rotator without sideshifter 360°	PRC	70
4.2	Rotator without sideshifter 360°, marine version	PRC-Z	72
4.3	Rotator with sideshifter 360°	PRC-T	74

Rotator without sideshifter

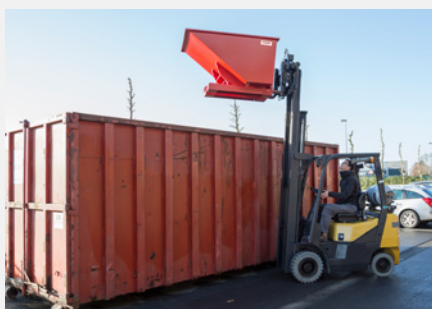
360°



The standard PRC model has continuous 360° rotation. Standard lift truck forks can be attached using the included fork locking bars.

Characteristics

1. Motor well protected by frame
2. Castellated top carriage rail
3. High internal visibility
4. Bolted bars for easy change of length
5. Highly reliable components
6. High internal visibility
7. Bolted bars for easy adjustment of length
8. Good rotation speed and torque
9. Castellated top carriage rail





Technical data

- W6 - Minimal width lift truck carriage
- Fork bar assembly and locking fork pads included
- Prices exclude forks

➤ Without sideshifter

Model	Capacity	W8-W9	W4	W6	H9	H7	Rotating torque	RS	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kN.m/ 140 bar	rpm	mm	mm	mm	kg	
PRC8D	1000/500	210-820	900	750	314	742	4	5.5	165	80	289	245	2
PRC18D	1800/500	210-820	900	750	314	742	4	5.5	170	80	289	249	2
PRC22D	2200/500	210-960	1040	750	314	775	5.5	4.8	170	80	286	260	2
PRC28D	2800/500	310-1070	1150	900	415	775	6.8	3.4	170	85	322	344	3
PRC32D	3200/500	310-1070	1150	900	415	775	8.5	2.8	175	85	322	347	3
PRC40D	4000/500	330-1220	1300	1050	420	840	9.8	2.4	185	85	318	437	3
PRC45D	4500/500	330-1220	1300	1050	420	840	9.8	2.4	185	90	318	450	3
PRC55D	5500/600	380-1195	1300	1250	572	960	16	1.5	210	110	362	613	4
PRC70D	7000/600	615-1615	1750	1200	590	1060	16	1.5	284	155	435	1135	4
PRC80D	8000/600	615-1715	1850	1200	590	1060	16	1.5	284	154	439	1150	4

Options

Foundry kit (front and back cover)

Available on request

- Different length of fork bars
- Pin-type fork models
- 180° rotation kit
- Third fork hook to weld onto the fork for more stability

➤ See this attachment in action



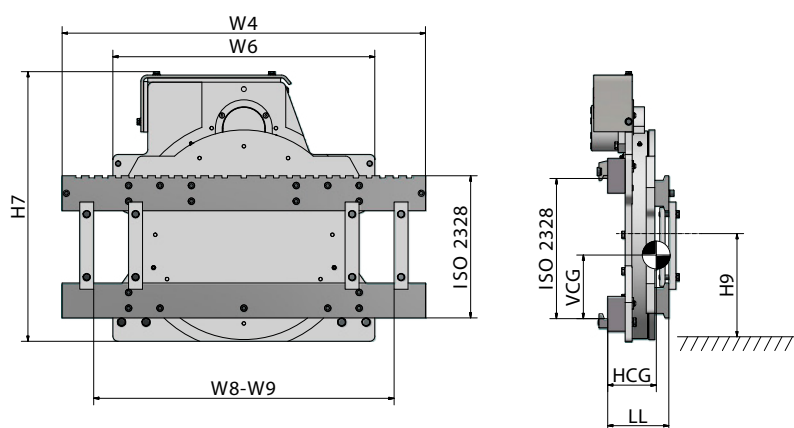
Rotator without sideshifter 360°, marine version



This rotator is specially designed for the fishing industry. An extra layer of galvanising has been added to the most delicate or sensitive parts. As a result, salt water won't reach the interior and parts won't be affected.

Characteristics

1. Front and back protection to close the central hole in the rotator
2. Protected gearbox on the reductor
3. Special (powder-coating/galvanised) layer on all external components
4. Special cold galvanising paint for the bearing
5. High-resistance seals for additional bearing protection
6. Screws sealed with marine silicone





Technical data

- W6 - Minimal width lift truck carriage
- Fork bar assembly and locking fork pads included
- Prices exclude forks

➤ Without sideshifter

Model	Capacity	W8-W9	W4	W6	H9	H7	Rotating torque	RS	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kN.m/ 140 bar	rpm	mm	mm	mm	kg	
PRC8D.Z	1000/500	210-820	900	750	314	742	4	5.5	170	90	292	242	2
PRC18D.Z	1800/500	210-820	900	750	314	742	4	5.5	170	90	292	255	2
PRC22D.Z	2200/500	210-960	1040	750	314	775	5.5	4.8	175	90	288	258	2
PRC28D.Z	2800/500	310-1070	1150	900	415	775	6.8	3.4	195	95	288	332	3
PRC32D.Z	3200/500	310-1070	1150	900	415	775	8.5	2.8	200	95	288	352	3

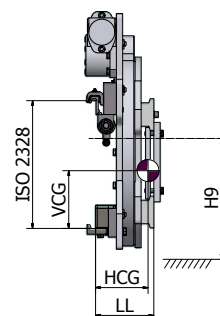
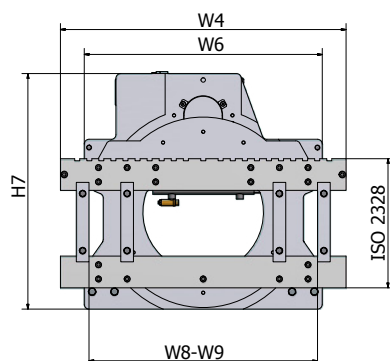
Available on request

- Different length of fork bars
- Third fork hook to weld onto the fork for more stability

➤ See this attachment in action



Rotator with sideshifter 360°



Technical data

- W6 - Minimal width lift truck carriage
- Fork bar assembly and locking fork pads included
- Prices exclude forks
- With separate sideshifter
- Total sideshifter stroke: 100 + 100 mm (FEM 2 - FEM 3)
- Total sideshifter stroke: 150 + 150 mm (FEM 4)

Model	Capacity	W8-W9	W4	W6	H9	H7	Rotating torque	RS	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	kN.m/ 140 bar	rpm	mm	mm	mm	kg	
PRC8DT	1000/500	210-820	900	980	314	742	4	5.5	170	90	292	247	2
PRC18DT	1800/500	210-820	900	980	314	742	4	5.5	170	90	292	257	2
PRC22DT	2200/500	210-960	1040	980	314	775	5.5	4.8	175	90	288	277	2
PRC28DT	2800/500	310-1070	1150	1140	415	775	6.8	3.4	195	95	288	375	3
PRC32DT	3200/500	310-1070	1150	1140	415	775	8.5	2.8	200	95	288	385	3
PRC40DT	4000/500	330-1220	1300	1180	420	840	9.8	2.4	220	120	322	480	3
PRC45DT	4500/500	330-1220	1300	1180	420	840	9.8	2.4	220	125	322	485	3
PRC55DT	5500/600	380-1195	1300	1500	572	960	16	1.5	245	130	413	860	4
PRC70DT	7000/600	615-1615	1750	1350	590	1060	16	1.5	319	160	437	1195	4
PRC80DT	8000/600	615-1715	1850	1350	590	1060	16	1.5	320	154	432	1215	4

Options

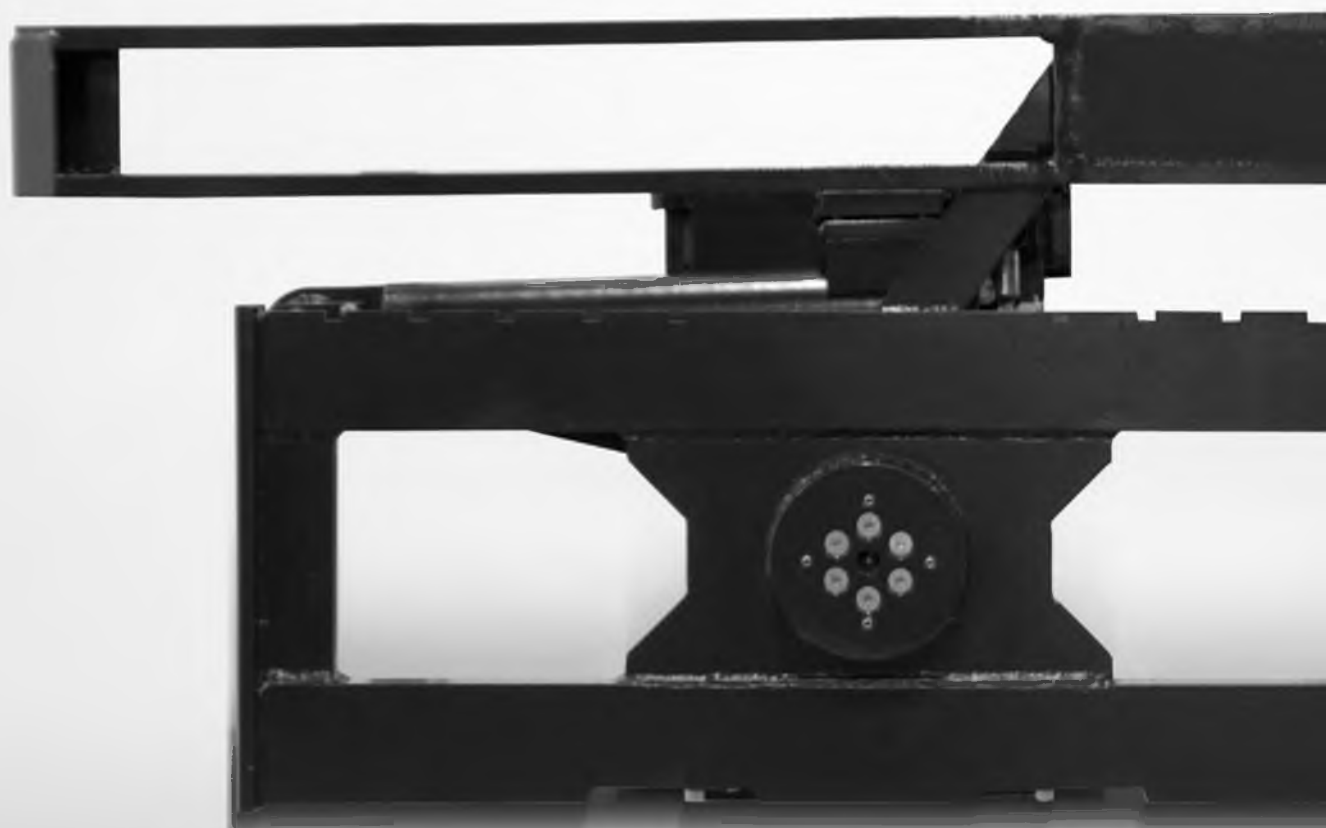
Foundry kit (front and back cover)

Available on request

- Different length of fork bars
- Pin-type fork models
- 180° rotation kit
- Third fork hook to weld onto the fork for more stability

➤ See this attachment in action







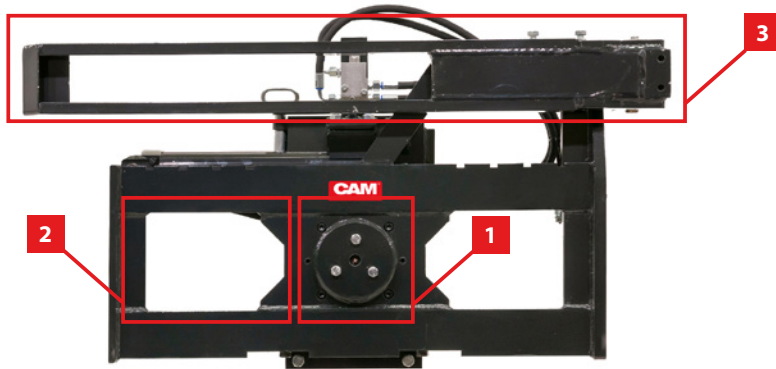
5. Box rotators

Box rotators help you improve your productivity and greatly reduce idling time when dumping loads. Our extensive range contains standard and more specific models, such as rotators with hydraulic bin retainers and plastic container rotators.

Chapter overview

5.1	Box rotator 180°	RLW	78
5.2	Box rotator (without sideshifter) 360°	PRC-DA	80
5.3	Rotator with hydraulic bin retainer 360°	RBC	81
5.4	Plastic container rotator 360°	RLC	82
5.5	Plastic container rotator 180°	RLCA	83
	Technical data rotators		84

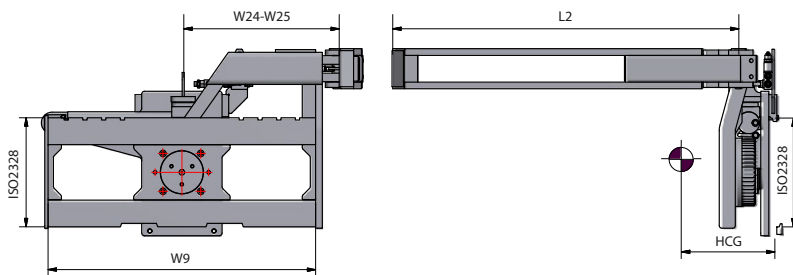
Box rotator 180°



RLW box rotators were recently updated. They are now some of the most innovative box rotators on the market, with larger gear and gear racks. Locking pins have been replaced by ball valves that closes the hydraulic circuit when the rotating system isn't being used. A big increase in safety. These models are suitable for seasonal and intensive use.

Characteristics

1. High-quality threaded tipping shaft with adjustable ball bearing
2. Optimal visibility guaranteed thanks to the exceptionally open construction
3. Folding third arm (operated by gas spring) with adjustable width
4. 180° rotator (left-hand rotation by default)
5. Control valve included as standard equipment
6. 3-way valve instead of locking pin (when rotator is attached to the truck but isn't being used)
7. Wider gear/rack (higher modulus gear/rack)





Technical data

- › Prices exclude forks
- › Technical data without forks
- › Without sideshifter

Model	Capacity	W9	W24-W25	L2	HCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	kg	
Type RLW							
RLW25.02	2500/500	1000	560-800	1240	158	270	2
RLW35.01	3500/500	1200	680-900	1240	158	345	3
Type RLW-R							
RLW25.02.R	2500/500	1000	560-800	1240	158	270	2
RLW35.01.R	3500/500	1200	680-900	1240	158	345	3

Type RLW (adjustable left arm)



Type RLW-R (adjustable right arm)



Technical data

- › Prices exclude forks
- › Technical data without forks
- › With integrated sideshifting
- › Total sideshifter stroke: 100 + 100 mm

Model	Capacity	W9	W24-W25	L2	HCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	kg	
Type RLW-ES							
RLW25.02.E.S	2500/500	1000	560-800	1240	141	335	2
RLW35.01.E.S	3500/500	1200	680-900	1240	145	405	3

Type RLW-ES (adjustable left arm)

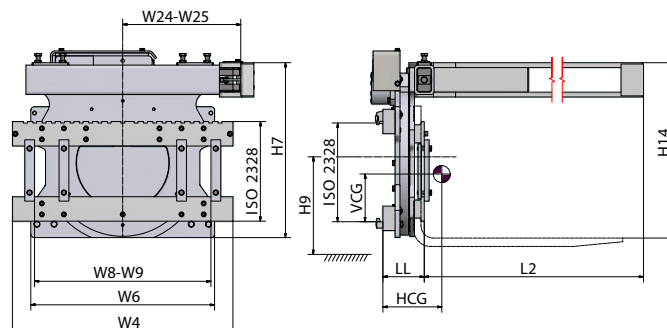


› See this attachment in action



Box rotator (without sideshifter)

360°



Technical data

- W6 - Minimal width lift truck carriage
- Fork bar assembly and locking fork pads included
- Adjustable arm
- Prices exclude forks
- Without sideshifter

Model	Capacity	W8-W9	W4	W6	W24-W25	H14	L2	H7	Rotating torque	RS	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	kN.m/ 140 bar	rpm	mm	mm	mm	kg	
PRC8DA	1000/500	210-820	900	780	480-700	690	1270	695	4	5.5	165	147	362	335	2
PRC18DA	1800/500	210-820	900	780	480-700	690	1270	695	4	5.5	170	145	362	340	2
PRC22DA	2200/500	210-960	1040	780	580-800	690	1270	695	5.5	4.8	170	145	364	350	2
PRC28DA	2800/500	310-1070	1150	940	580-800	800	1270	805	6.8	3.4	170	137	366	420	3
PRC32DA	3200/500	310-1070	1150	940	580-800	800	1270	805	8.5	2.8	175	105	366	435	3
PRC40DA	4000/500	330-1170	1300	1080	580-800	800	1270	840	9.8	2.4	185	90	395	550	3

Options

Foundry kit (front and back cover)

Available on request

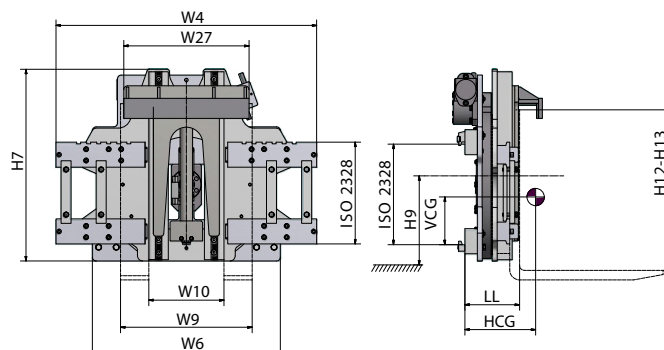
- Different length of fork bars
- 180° rotation kit available
- Fishing industry version

- See this attachment in action



Rotator with hydraulic bin retainer

360°



Technical data

- W6 - Minimal width lift truck carriage
- H39-H40 bin height (minimum/maximum)
- Fork bar assembly and locking fork pads included
- Without forks
- Without sideshifter

Model	Capacity	W9	W4	W6	H12-H13	H39-H40	H9	W27	H7	W10	Rotating torque	RS	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN.m/ 140 bar	rpm	mm	mm	mm	kg	
RBC_20	2050/600	960	1040	750	590-990	620-880	415	500	835	320	5.5	4.8	215	135	311	360	2
RBC_30	3000/600	1090	1150	900	590-990	620-880	415	500	835	320	6.8	3.4	215	123	359	380	3
RBC_36	3600/600	1090	1150	900	590-990	620-880	415	500	835	320	6.8	3.4	215	120	360	425	3
RBC_20.01	2050/600	960	1040	750	1200-1800	1230-1690	415	500	1285	320	5.5	4.8	215	130	355	405	2

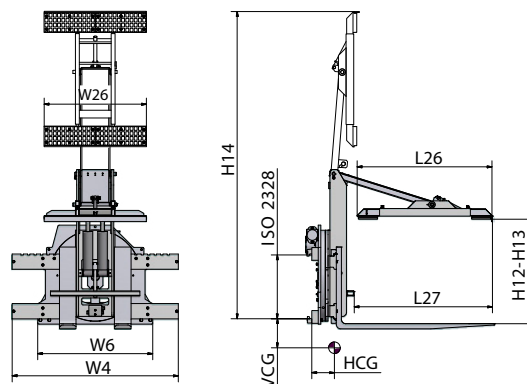
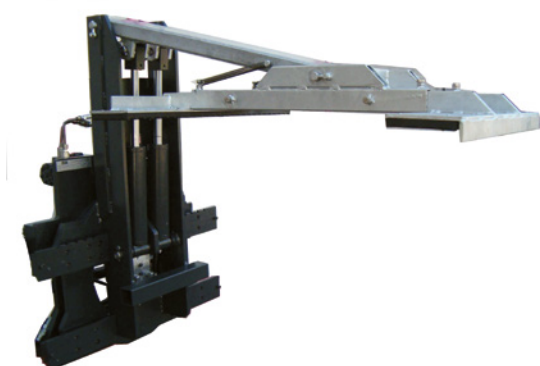
Available on request

- Different length of fork bars
- 180° rotation kit
- Separate sideshifter: 100 + 100 mm

- See this attachment in action



Plastic container rotator 360°



Technical data

- > W6 - Minimal width lift truck carriage
- > Prices exclude forks
- > Without sideshifter

Model	Capacity	W4	W6	L26	W26	H14	H12-H13	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
RLC10	1000/600	900	750	1250	760	2450	340-705	325	240	328	390	2
RLC18	1800/600	1300	900	1200	800	2400	800-1050	360	243	456	530	3

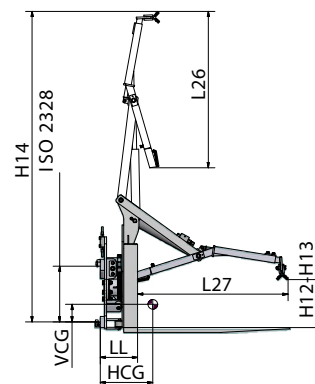
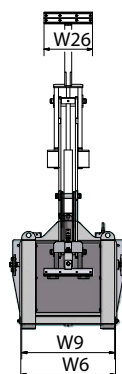
Available on request

- > Separate sideshifter: 100 + 100 mm
- > Split contact pad models

> See this attachment in action



Plastic container rotator 180°



Technical data

- > W6 - Minimal width lift truck carriage
- > With forks: 1200 mm length
- > With quick-release mountings
- > Without sideshifter

Model	Capacity	W9	W6	L26	W26	L27	H14	H12-H13	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
RLC10A	1000/500	670	700	1200	350	1250	2400	580-780	270	290	337	288	2

> See this attachment in action



Technical data

rotators

	Rotating						Sideshifting						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
PRC8D - PRC22D	120	160	180	20	30	40	-	-	-	-	-	-	1
PRC28D - PRC45D	120	160	180	20	35	45	-	-	-	-	-	-	1
PRC55D - PRC80D	120	160	180	25	40	65	-	-	-	-	-	-	1
PRC8DT - PRC22DT	120	160	180	20	30	40	120	160	180	10	15	25	2
PRC28DT - PRC45DT	120	160	180	20	35	45	120	160	180	10	20	30	2
PRC55DT - PRC80DT	120	160	180	25	40	65	120	160	180	10	25	35	2
PRC8Z - PRC22Z	120	160	180	20	30	40	-	-	-	-	-	-	1
PRC28Z - PRC32Z	120	160	180	20	35	45	-	-	-	-	-	-	1
PRC8DA - PRC22DA	120	160	180	20	30	40	-	-	-	-	-	-	1
PRC28DA - PRC40DA	120	160	180	20	35	45	-	-	-	-	-	-	1
RBC	120	160	180	20	30	40	-	-	-	-	-	-	2
RLC	120	160	180	20	25	35	-	-	-	-	-	-	1
RLW	-	-	220	-	-	-	-	-	-	-	-	-	1
RLW-R	-	-	220	-	-	-	-	-	-	-	-	-	1
RLW-ES	-	-	220	-	-	-	-	-	-	-	-	-	2







6. Roll clamps

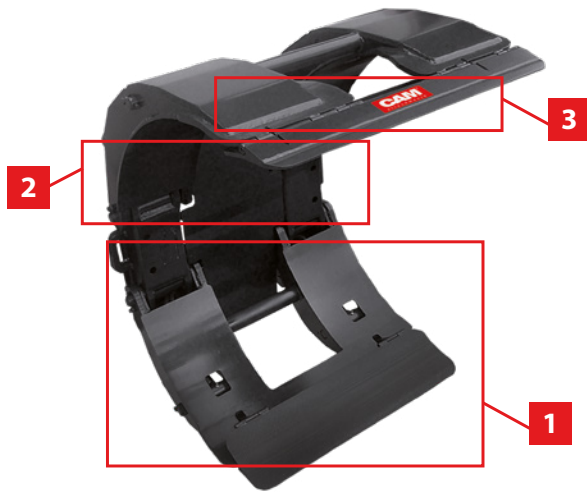
There are different types of roll clamps available. The paper roll clamp is one of the most important attachments in the roll clamp range. Paper roll clamps allow you to handle paper rolls regardless of their diameter, weight or type of paper. You'll find rotating tyre clamps in our roll clamp range.

Chapter overview

6.1	Rotating paper roll clamp 360°	CR	88
6.2	Rotating paper roll clamp - split arms 360°	CR-S	91
6.3	Tilting paper roll clamp 90°	CT	94
6.4	Tilting paper roll clamp - split arms 90°	CT-S	95
6.5	Rotating 360° and tilting paper roll clamp 90°	CC	96
6.6	Non-rotating paper roll clamp	PS-B	97
6.7	Rotating tyre clamp 360°	CR-TY	98
	Technical data roll clamps		99

Rotating paper roll clamp

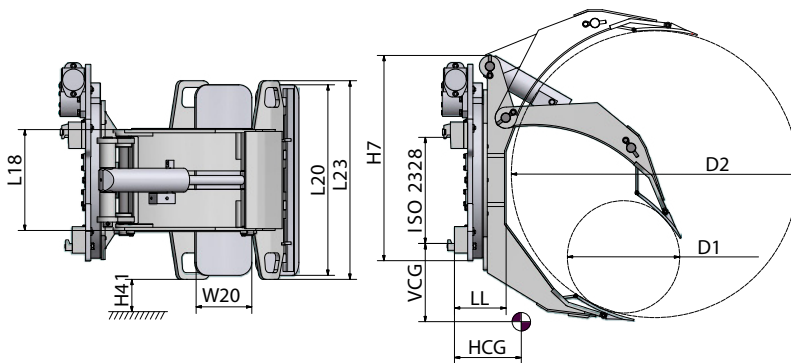
360°



Extensive product research led to our rotating paper roll clamp. It is an efficient, reliable and safe attachment for handling paper rolls.

Characteristics

1. The short arm is positionable, giving you the possibility of handling rolls with a wide range of diameters
2. Anti-shock retaining valve on each cylinder
3. Thinner arm profile and maximised clamping strength transferred to the contact pads
4. New clamp geometry with high visibility through the arms
5. 360° rotation system





Technical data

- Mounting angle 2°
- L23 – Contact pad protection structure

Model	Capacity	D1-D2	H7	L18	L20 x W20	L23	H41	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CR1050*	1000/500	450-1000	990	330	720 x 230	-	-	195	200	292	390	2A
CR1355*	1300/550	250-1100	890	690	720 x 230	770	145	205	230	297	560	2A
CR1265*	1200/650	250-1300	1190	675	720 x 250	770	145	250	265	307	595	2A
CR1266	1200/650	450-1300	1190	675	720 x 250	770	145	250	265	305	595	2A
CR1276	1200/750	450-1500	1190	675	720 x 250	770	145	175	290	292	678	2A
CR1281	1200/800	450-1600	1190	675	720 x 250	770	145	175	313	297	680	2A
CR1290*	1200/925	450-1850	1120	730	820 x 250	870	145	202	353	340	750	2A
CR1655*	1600/550	250-1100	890	690	820 x 250	870	145	205	215	297	672	2A
CR1656	1600/550	450-1100	890	690	820 x 250	870	145	205	215	297	560	2A
CR1665*	1600/650	250-1300	1190	705	820 x 250	870	145	250	235	297	630	2A
CR1666	1600/650	500-1300	1190	705	820 x 250	870	145	250	176	311	630	2A
CR1865*	1800/650	250-1300	900	850	820 x 250	870	155	210	245	292	580	2A
CR1866	1800/650	500-1300	900	850	820 x 250	870	155	210	245	292	575	2A
CR1680*	1600/800	250-1600	1190	850	820 x 250	870	170	175	305	297	705	3A
CR1681	1600/800	500-1600	1190	850	820 x 250	870	170	175	305	297	700	3A
CR2265*	2200/650	280-1300	900	850	820 x 250	870	170	194	275	332	700	2A
CR2266	2200/650	500-1300	900	850	820 x 250	870	170	210	245	317	640	2A
CR2070*	2000/700	250-1400	900	850	820 x 250	870	170	195	250	312	670	3A
CR2071	2000/700	500-1400	900	850	820 x 250	870	170	195	250	312	670	3A
CR2565*	2500/650	280-1300	900	850	1020 x 250	1070	260	195	280	411	733	3A
CR2566	2500/650	500-1300	900	850	1020 x 250	1070	260	195	280	411	733	3A
CR2080*	2000/800	250-1600	1190	850	1020 x 250	1070	260	175	325	416	750	3A
CR2081	2000/800	500-1600	1190	850	1020 x 250	1070	260	162	300	416	750	3A
CR10105*	1000/1050	650-2100	1300	680	1200 x 280	1070	155	190	430	409	830	3A
CR3065*	3000/650	250-1300	900	934	1020 x 250	1070	160	200	260	394	850	3A
CR3066	3000/650	450-1300	900	934	1020 x 250	1070	160	200	260	396	765	3A
CR2580*	2500/800	250-1600	900	934	1020 x 250	1070	160	200	330	404	950	3A
CR2581	2500/800	500-1600	900	934	1020 x 250	1070	160	200	330	404	955	3A
CR2880*	2800/800	250-1600	900	934	1020 x 250	1070	160	200	320	403	970	3A
CR2881	2800/800	500-1600	900	934	1020 x 250	1070	160	200	321	402	965	3A
CR2390*	2300/900	300-1830	1100	934	1020 x 250	1070	220	200	360	411	1000	3A
CR2391	2300/900	550-1830	1100	934	1020 x 250	1070	220	200	360	411	1030	3A
CR2590*	2500/900	300-1830	1100	934	1020 x 250	1070	220	200	360	414	1070	3A
CR2591	2500/900	550-1830	1100	934	1020 x 250	1070	220	200	360	414	1070	3A
CR2790*	2700/900	300-1830	1100	1041	1200 x 280	1250	220	215	320	495	1030	4A
CR2791	2700/900	550-1830	1100	1041	1200 x 280	1250	220	215	321	490	1025	4A
CR3070*	3000/700	250-1400	900	934	1020 x 250	1070	160	200	265	429	770	3A
CR3071	3000/700	550-1400	900	934	1020 x 250	1070	160	200	290	444	888	3A
CR3075*	3000/750	250-1500	900	934	1020 x 250	1070	160	200	295	427	795	3A
CR3076	3000/750	500-1500	900	934	1020 x 250	1070	160	200	295	427	910	3A
CR3565*	3500/650	250-1300	1100	1041	1200 x 280	1250	155	220	305	465	1050	3A
CR3566	3500/650	500-1300	1100	1041	1200 x 280	1250	155	220	305	465	1050	3A
CR3370*	3300/700	250-1400	1050	1041	1200 x 280	1250	155	205	290	488	965	3A
CR3371	3300/700	500-1400	1050	1041	1200 x 280	1250	155	205	290	488	965	3A
CR3375*	3300/750	250-1500	1100	1041	1200 x 280	1250	155	215	320	488	1065	3A
CR3376	3300/750	500-1500	1100	1041	1200 x 280	1250	155	215	320	495	1065	3A
CR3280*	3200/800	250-1600	1100	1041	1200 x 280	1250	155	215	320	495	1075	4A

* Positionable short arm

Model	Capacity	D1-D2	H7	L18	L20 x W20	L23	H41	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CR3281	3200/800	500-1600	1100	1041	1200 x 280	1250	155	215	320	495	1075	4A
CR3090*	3000/900	300-1830	1100	1041	1200 x 280	1250	155	220	370	500	1098	4A
CR3091	3000/900	550-1830	1100	1041	1200 x 280	1250	155	220	370	500	1075	4A
CR3490*	3400/900	550-1830	1100	1041	1200 x 280	1250	155	230	305	505	1315	4A
CR3491	3400/900	660-1830	1100	1041	1200 x 280	1250	155	230	300	503	1380	4A
CR3580*	3500/800	250-1600	1100	1041	1200 x 280	1250	155	215	320	500	1240	4A
CR3581	3500/800	500-1600	1100	1041	1200 x 280	1250	155	215	320	503	1240	4A
CR4565*	4500/650	250-1300	1100	1041	1200 x 280	1250	155	220	320	510	1275	4A
CR4566	4500/650	500-1300	1100	1041	1200 x 280	1250	155	220	320	510	1275	4A
CR4275*	4200/750	250-1500	1100	1041	1200 x 280	1250	155	215	310	513	1275	4A
CR4276	4200/750	500-1500	1100	1041	1200 x 280	1250	155	215	310	513	1275	4A
CR4080*	4000/800	250-1600	1100	1041	1200 x 280	1250	155	215	310	518	1290	4A
CR4081	4000/800	500-1600	1100	1041	1200 x 280	1250	155	215	310	518	1290	4A
CR3890*	3800/900	550-1830	1100	1041	1200 x 280	1250	155	230	300	518	1335	4A
CR33100*	3300/1100	450-2000	1400	1050	1200 x 280	1250	155	210	410	518	1350	4A
CR25105*	2500/1050	550-2100	1400	1050	1600 x 350	1650	355	210	530	643	1400	4A
CR25125T	2500/1250	660-2500	1500	1041	1600 x 400	1650	355	246	450	430	1750	4A
CR30130T	3000/1300	660-2600	1560	1050	1600 x 400	1650	355	249	470	460	1810	4A
CR38130T	3800/1300	850-2600	1560	1041	1800 x 450	-	435	282	500	565	2225	4A

* Positionable short arm

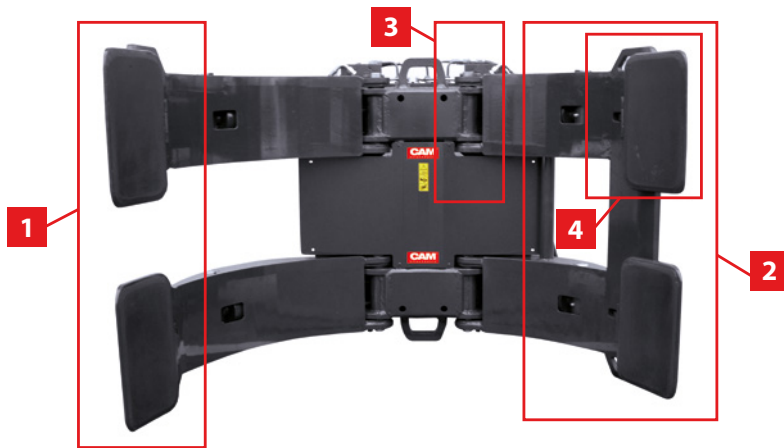
Available on request

- Different pad covers
- Different contact pads
- Models for tissue paper
- 180° rotation kit

➤ See this attachment in action



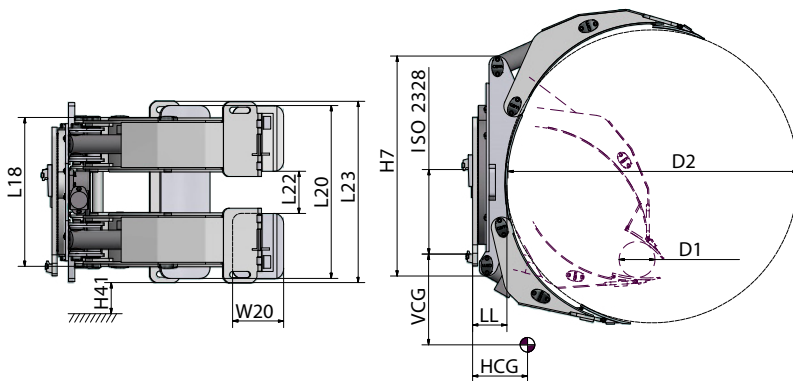
Rotating paper roll clamp split arms 360°



This efficient, reliable and safe attachment will handle two paper rolls of different diameters. The split, long CR-S type arm will pick them up simultaneously.

Characteristics

1. The split long arm allows for the simultaneous handling of two paper rolls with different diameters
2. The positionable short arm allows for the handling of rolls with a wide range of diameters
3. Anti-shock retaining valve on each cylinder
4. Thinner arm profile and maximised clamping strength transferred to the contact pads
5. New clamp geometry with high visibility through the arms
6. 360° rotation system





Technical data

- Mounting angle 2°
- L23 – Contact pad protection structure

Model	Capacity	D1-D2	H7	L18	L20 x W20	L22	L23	H41	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CR1665.S*	1600/650	250-1300	1190	705	820 x 250	200	870	95	175	260	297	565	2A
CR1666.S	1600/650	500-1300	1190	705	820 x 250	200	870	95	250	235	297	530	2A
CR1865.S*	1800/650	250-1300	900	850	820 x 250	200	870	155	210	245	292	535	2A
CR1866.S	1800/650	500-1300	900	850	820 x 250	200	870	155	210	245	292	535	2A
CR1680.S*	1600/800	250-1600	1190	850	820 x 250	200	870	170	175	305	297	695	3A
CR1681.S	1600/800	500-1600	1190	850	820 x 250	200	870	170	175	305	297	675	3A
CR1290.S*	1200/925	450-1850	1120	730	820 x 250	200	870	170	202	310	345	745	2A
CR2265.S*	2200/650	250-1300	900	850	820 x 250	200	870	170	210	245	317	590	2A
CR2266.S	2200/650	500-1300	900	850	820 x 250	200	870	170	210	245	317	590	2A
CR2070.S*	2000/700	250-1400	900	850	820 x 250	200	870	170	195	250	312	670	3A
CR2071.S	2000/700	500-1400	900	850	820 x 250	200	870	170	195	250	312	670	3A
CR2565.S*	2500/650	280-1300	900	850	1020 x 250	200	1070	260	195	280	411	705	3A
CR2566.S	2500/650	500-1300	900	850	1020 x 250	200	1070	260	195	280	411	705	3A
CR2080.S*	2000/800	250-1600	1190	850	1020 x 250	200	1070	260	175	325	416	785	3A
CR2081.S	2000/800	500-1600	1190	850	1020 x 250	200	1070	260	175	325	416	770	3A
CR3065.S*	3000/650	250-1300	900	934	1020 x 250	200	1070	160	200	260	394	765	3A
CR3066.S	3000/650	500-1300	900	934	1020 x 250	200	1070	160	200	260	396	765	3A
CR2580.S*	2500/800	250-1600	900	934	1020 x 250	200	1070	160	200	330	404	940	3A
CR2581.S	2500/800	500-1600	900	934	1020 x 250	200	1070	160	200	330	404	935	3A
CR2390.S*	2300/900	300-1830	1100	934	1020 x 250	200	1070	160	200	360	411	930	3A
CR2391.S	2300/900	550-1830	1100	934	1020 x 250	200	1070	160	200	360	411	930	3A
CR2880.S*	2800/800	250-1600	900	934	1020 x 250	200	1070	220	200	320	401	965	3A
CR2881.S	2800/800	500-1600	900	934	1020 x 250	200	1070	220	200	321	400	960	3A
CR2590.S*	2500/900	300-1830	1100	934	1020 x 250	200	1070	220	200	360	414	970	3A
CR2591.S	2500/900	550-1830	1100	934	1020 x 250	200	1070	220	200	360	414	970	3A
CR2790.S*	2700/900	300-1830	1100	1041	1200 x 280	200	1250	220	215	318	491	1025	4A
CR2791.S	2700/900	550-1830	1100	1041	1200 x 80	200	1250	220	215	316	490	1020	4A
CR3070.S*	3000/700	250-1400	900	934	1020 x 250	200	1070	160	200	265	429	770	3A
CR3071.S	3000/700	500-1400	900	934	1020 x 250	200	1070	160	200	265	429	770	3A
CR3075.S*	3000/750	250-1500	900	934	1020 x 250	200	1070	160	200	295	427	795	3A
CR3076.S	3000/750	500-1500	900	934	1020 x 250	200	1070	160	200	295	427	795	3A
CR3565.S*	3500/650	250-1300	1100	1041	1200 x 280	200	1250	155	220	305	465	1050	3A
CR3566.S	3500/650	500-1300	1100	1041	1200 x 280	200	1250	155	220	305	465	1050	3A
CR3370.S*	3300/700	250-1400	1050	1041	1200 x 280	200	1250	155	205	290	488	965	3A
CR3371.S	3300/700	500-1400	1050	1041	1200 x 280	200	1250	155	205	290	488	965	3A
CR3375.S*	3300/750	250-1500	1100	1041	1200 x 280	200	1250	155	215	320	488	1065	3A
CR3376.S	3300/750	500-1500	1100	1041	1200 x 280	200	1250	155	215	320	495	1065	3A
CR3280.S*	3200/800	250-1600	1100	1041	1200 x 280	200	1250	155	215	320	495	1075	4A
CR3281.S	3200/800	500-1600	1100	1041	1200 x 280	200	1250	155	215	320	495	1075	4A
CR3090.S*	3000/900	300-1830	1100	1041	1200 x 280	200	1250	155	220	370	500	1075	4A
CR3091.S	3000/900	550-1830	1100	1041	1200 x 280	200	1250	155	220	370	500	1075	4A
CR3490.S*	3400/900	550-1830	1100	1041	1200 x 280	200	1230	155	230	305	504	1320	4A
CR3491.S	3400/900	660-1830	1100	1041	1200 x 280	200	1250	155	230	300	501	1310	4A
CR3580.S*	3500/800	250-1600	1100	1041	1200 x 280	200	1250	155	215	320	500	1296	4A
CR3581.S	3500/800	500-1600	1100	1041	1200 x 280	200	1250	155	215	320	503	1296	4A
CR4565.S*	4500/650	250-1300	1100	1041	1200 x 280	200	1250	155	220	320	510	1275	4A

Model	Capacity	D1-D2	H7	L18	L20 x W20	L22	L23	H41	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CR4566.S	4500/650	500-1300	1100	1041	1200 x 280	200	1250	155	220	320	510	1275	4A
CR4275.S*	4200/750	250-1500	1100	1041	1200 x 280	200	1250	155	215	310	513	1275	4A
CR4276.S	4200/750	500-1500	1100	1041	1200 x 280	200	1250	155	215	310	513	1275	4A
CR4080.S*	4000/800	250-1600	1100	1041	1200 x 280	200	1250	155	215	310	518	1290	4A
CR4081.S	4000/800	500-1600	1100	1041	1200 x 280	200	1250	155	215	310	518	1290	4A
CR3890.S*	3800/900	550-1830	1100	1041	1200 x 280	200	1250	155	230	300	518	1335	4A
CR33100.S*	3300/1000	450-2000	1400	1050	1200 x 280	200	1250	155	210	410	518	1350	4A
CR25105.S*	2500/1050	550-2100	1400	1050	1600 x 350	200	1650	355	210	530	643	1400	4A

* Positionable short arm

Available on request

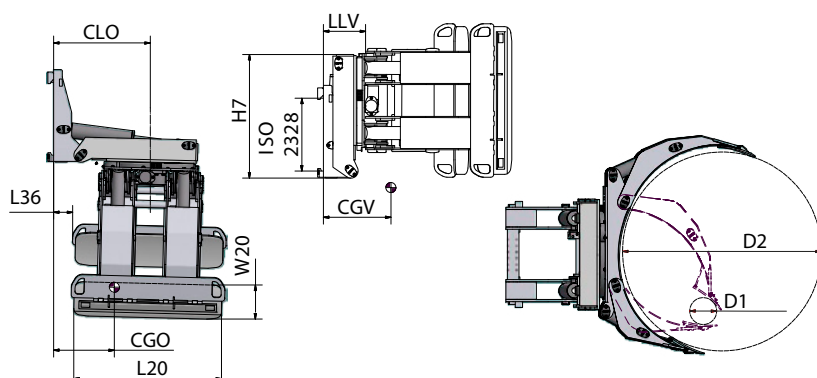
- > Different pad covers
- > Different contact pads
- > Models for tissue paper
- > 180° rotation kit

> See this attachment in action



Tilting paper roll clamp

90°



Technical data

Model	Capacity	D1-D2	H7	L20 x W20	Tilt force	L36	CLO	CGO	LLV	CGV	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	kN.m/ 140 bar	mm	mm	mm	mm	mm	mm	kg	
CT1665*	1600/650	250-1300	850	1020 x 250	16	160	660	580	254	315	**	615	2A
CT1666	1600/650	450-1300	850	1020 x 250	16	160	660	580	254	315	**	610	2A
CT2065*	2000/650	250-1300	850	1020 x 250	20	180	680	590	255	310	**	685	2A
CT2066	2000/650	450-1300	850	1020 x 250	20	180	680	590	255	310	**	680	2A
CT2565*	2500/650	250-1300	980	1100 x 250	25	160	700	590	260	335	**	780	3A
CT2566	2500/650	450-1300	980	1100 x 250	25	160	700	590	260	335	**	775	3A
CT2380*	2500/800	250-1600	1000	1100 x 250	27.5	180	730	605	256	370	**	835	3A
CT3065*	3000/650	250-1300	1050	1200 x 250	36	200	760	640	290	330	**	920	4A
CT3081	3000/800	450-1600	1200	1200 x 280	36	200	760	690	290	330	**	1040	4A
CT3580*	3500/800	250-1600	1200	1200 x 280	42	180	780	700	320	390	**	1170	4A

* Positionable short arm

** Consult your CAM attachments sales advisor about this specification

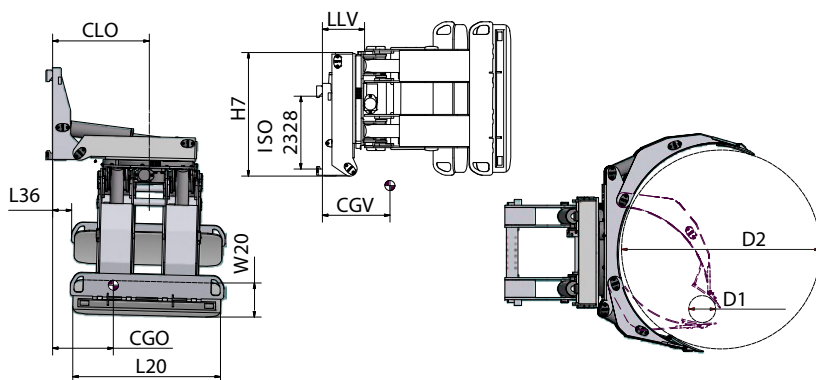
Available on request

- Different contact pads
- Different pad covers (black rubber, yellow non-marking rubber, plain steel, etc.)
- Models for tissue paper

➤ See this attachment in action



Tilting paper roll clamp split arms 90°



Technical data

Model	Capacity	D1-D2	H7	L20 x W20	Tilt force	L36	CLO	CGO	LLV	CGV	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	kN.m/ 140 bar	mm	mm	mm	mm	mm	mm	kg	
CT1665S*	1600/650	250-1300	850	1020 x 250	16	150	660	580	254	315	**	615	2A
CT1666S	1600/650	450-1300	850	1020 x 250	16	150	660	580	254	315	**	610	2A
CT2065S*	2000/650	250-1300	850	1020 x 250	20	140	680	590	255	310	**	685	3A
CT2066S	2000/650	450-1300	850	1020 x 250	20	140	680	590	255	310	**	680	3A
CT2565S*	2500/650	250-1300	980	1100 x 250	25	160	700	590	260	335	**	785	3A
CT2566S	2500/650	450-1300	980	1100 x 250	25	160	700	590	260	335	**	775	3A
CT3065S*	3000/650	250-1300	1050	1200 x 250	36	150	760	640	290	330	**	920	4A
CT3081S	3000/800	450-1600	1200	1200 x 280	36	160	760	690	290	380	**	1040	4A

* Positionable short arm

** Consult your CAM attachments sales advisor about this specification

Options

Independent control of one split arm

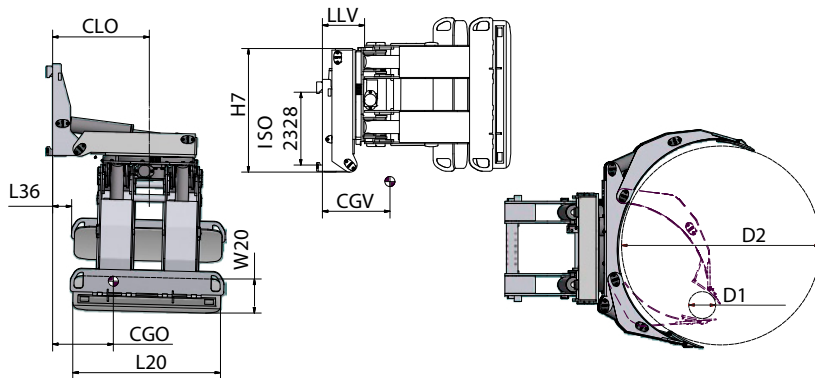
Available on request

- > Different contact pads
- > Different pad covers (black rubber, yellow non-marking rubber, plain steel, etc.)
- > Models for tissue paper

> See this attachment in action



Rotating 360° and tilting paper roll clamp 90°



Technical data

Model	Capacity	D1-D2	H7	L20 x W20	L36	CLO	CGO	LLV	CGV	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CC1265*	1200/650	250-1300	850	1000 x 250	180	680	560	320	240	**	670	2A
CC1665*	1600/650	250-1300	850	1000 x 250	180	680	580	320	260	**	770	2A
CC2065*	2000/650	250-1300	850	1000 x 250	180	620	620	335	340	**	860	3A
CC2080*	2000/800	250-1600	980	1100 x 250	200	740	740	330	370	**	1040	3A
CC2565*	2500/650	250-1300	980	1100 x 250	200	700	700	410	400	**	950	3A
CC2380*	2500/800	250-1600	980	1100 x 250	200	720	720	330	390	**	1100	3A
CC3065*	3000/650	250-1300	1050	1100 x 250	190	640	640	370	390	**	1100	4A
<u>CC3081</u>	3000/800	450-1600	1050	1200 x 250	180	690	690	390	470	**	1440	4A
CC3580*	3500/800	250-1600	1200	1200 x 250	165	700	700	400	500	**	1690	4A

* Positionable short arm

** Consult your CAM attachments sales advisor about this specification

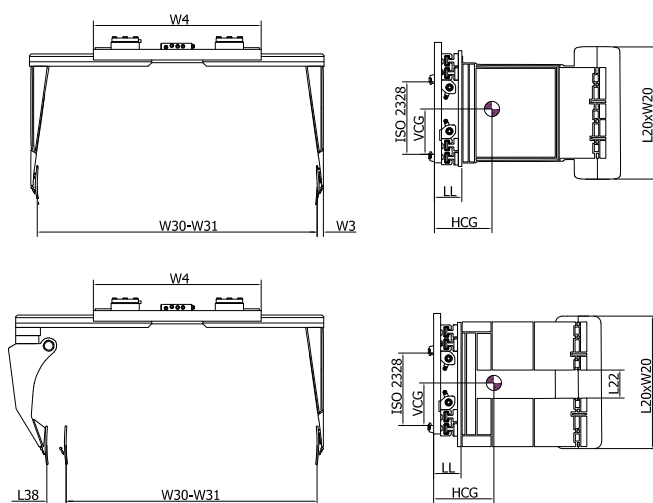
Available on request

- > Different contact pads
- > Different pad covers (black rubber, yellow non-marking rubber, plain steel, etc.)
- > Models for tissue paper

> See this attachment in action



Non-rotating paper roll clamp



Technical data

Model	Capacity	D1-D2	L20 x W20	L22	W4	W30-W31	W3	L38	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
PS6.B	1 x 1600/800	800-1600	865 x 330	-	1150	640-2040	35	-	130	230	292	635	3A
PS8.B2	2 x 1800/635	850-1270	1200 x 330	-	1620	770-2820	95	-	175	220	333	1000	4A
PS8.B4*	4 x 1500/635	850-1270	1200 x 330	200	1620	670-2720	95	80	175	270	333	1425	4A

* 2 hydraulic functions; left arm split with hydraulic compensation ± 70 mm for different diameter rolls
PS6/8B2 arms with same length

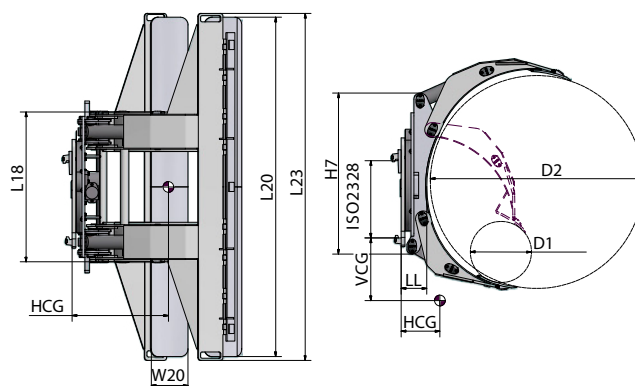
Options

Integrated sideshifter

Available on request

- > Pin-type mounting for PS8

Rotating tyre clamp 360°



Technical data

- > Mounting angle 2°
- > L23 – Contact pad protection structure

Model	Capacity	D1-D2	H7	L18	L20 x W20	L23	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CR1265TY*	1200/650	250-1300	1190	675	1800 x 250	1850	175	312	282	610	2A
CR1266TY	1200/650	450-1300	1190	675	1800 x 250	1850	175	312	282	602	2A
CR1280TY*	1200/800	250-1600	1190	675	1800 x 250	1850	175	345	284	790	2/3A
CR1281TY	1200/800	450-1600	1190	675	1800 x 250	1850	175	345	284	780	2/3A
CR1290TY*	1200/925	450-1850	1120	730	1200 x 250	1250	202	353	345	860	2A

* Positionable short arm

Available on request

- > Different contact pads
- > Different pad covers (black rubber, yellow non-marking rubber, plain steel, etc.)
- > 180° rotation kit

Technical data

roll clamps

	Clamping						Rotating						Hydraulic functions
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
CR1050 - CR1866	*	160	180	20	30	45	120	160	180	20	30	45	2
CR1680-CR1681	*	160	180	20	30	45	120	160	180	20	30	45	2
CR2265 - CR2266	*	160	180	20	30	45	120	160	180	20	35	45	2
CR2070 - CR10105	*	160	180	20	30	45	140	160	180	20	35	45	2
CR3065 - CR3091	*	160	180	20	30	55	140	160	180	20	35	55	2
CR2790 - CR2791	*	160	180	20	30	55	140	160	180	20	35	55	2
CR3490 - CR25105	*	160	180	20	30	55	140	160	180	20	35	55	2
CR25125T	*	160	180	20	30	55	140	160	180	20	35	55	2
CR30130T	*	160	180	20	30	55	140	160	180	20	35	55	2
CR38130T	*	160	180	20	30	55	140	160	180	20	40	55	2
CR1665.S - CR1666.S	*	160	180	20	30	45	120	160	180	20	30	45	2
CR1865.S - CR1866.S	*	160	180	20	30	45	120	160	180	20	30	45	2
CR2265.S - CR2266.S	*	160	180	20	30	45	120	160	180	20	35	45	2
CR2070.S - CR2081.S	*	160	180	20	30	45	140	160	180	20	35	45	2
CR3065.S - CR2591.S	*	160	180	20	30	55	140	160	180	20	35	55	2
CR2790.S - CR2791.S	*	160	180	20	30	55	140	160	180	20	35	55	2
CR3070.S - CR3091.S	*	160	180	20	30	55	140	160	180	20	35	55	2
CR3490.S - CR25105.S	*	160	180	20	30	55	140	160	180	20	35	55	2
CT1665 - CT2066	*	160	180	20	30	45	-	-	-	-	-	-	2
CT2565 - CT2380	*	160	180	20	30	55	-	-	-	-	-	-	2
CT3065 - CT3580	*	160	180	20	30	55	-	-	-	-	-	-	2
CC1265 - CC2080	*	160	180	20	30	45	120	160	180	20	30	45	3
CC2565 - CC2380	*	160	180	20	30	55	140	160	180	20	35	55	3
CC3065 - CC3580	*	160	180	20	30	55	140	160	180	20	35	55	3
CT1665S - CT2066S	*	160	180	20	30	45	-	-	-	-	-	-	2
CT2565S - CT2566S	*	160	180	20	30	55	-	-	-	-	-	-	2
CT3065S - CT3081S	*	160	180	20	30	55	-	-	-	-	-	-	2
PS6.B	*	160	180	20	30	55	-	-	-	-	-	-	1
PS8.B2 - PS8.B4	*	160	180	20	30	55	-	-	-	-	-	-	1
CR1265TY - CR1266TY	*	160	180	20	30	45	140	160	180	20	30	45	2
CR1280TY - CR1290TY	*	160	180	20	30	45	140	160	180	20	30	45	2

* Consult your CAM attachments sales advisor





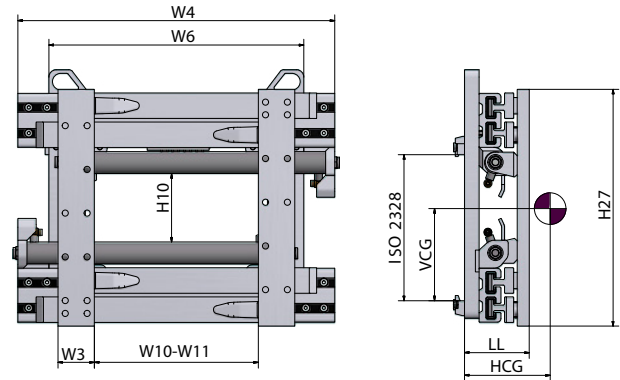
7. Clamps

Clamps allow you to handle a variety of loads that aren't on pallets. At CAM attachments, you'll find several types of clamps to meet your exact needs. From fork clamps to tilting drum clamps and pallet inverter clamps: we have it all.

Chapter overview

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Load clamp



Technical data

- W6 - Minimal width lift truck carriage
- Without sideshifter
- Technical data without forks/arms

Model	Capacity	W10-W11	W4	W6	H27	W3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
H10-A0	1000/500	450-1610	870	750	635	100	195	173	80	213	247	2
H10-B0*	1000/500	360-1500	950	750	635	100	195	173	78	213	255	2
H10-C0*	1000/500	360-1580	1050	750	635	100	195	173	77	213	265	2
H14-A0	1400/500	450-1610	870	750	635	100	195	173	81	213	249	2
H14-B0	1400/500	450-1690	950	750	635	100	195	173	80	213	257	2
H14-C0*	1400/500	360-1600	1050	750	635	100	195	173	79	213	267	2
H14-D0	1400/500	550-1980	1150	750	635	100	195	173	80	213	275	2
H18-A0	1800/500	480-1700	950	750	635	100	185	176	78	218	259	2
H18-B0	1800/500	480-1800	1050	750	635	100	185	176	79	218	269	2
H18-B1*	1800/500	360-1580	1050	750	635	100	185	176	79	218	269	2
H18-C0	1800/500	480-1900	1150	750	635	100	185	176	76	218	277	2
H18-D0*	1800/500	360-1780	1250	850	635	100	185	176	76	218	285	2
H22-A0	2200/500	450-1700	950	750	635	100	180	180	82	218	259	2
H22-B0*	2200/500	320-1540	1050	750	635	100	180	180	80	218	269	2
H22-C0	2200/500	450-1900	1150	750	635	100	180	180	78	218	269	2
H22-D0*	2200/500	320-1740	1250	750	635	100	180	180	76	218	277	2
H26-A0	2600/500	450-1800	1050	850	635	120	180	180	80	218	275	3
H26-B0*	2600/500	320-1640	1150	850	635	120	180	180	78	218	285	3
H26-C0	2600/500	450-2000	1250	850	635	120	180	180	76	218	316	3
H26-D0*	2600/500	320-1810	1320	850	635	120	180	180	76	218	325	3
H30-A0*	3000/500	320-1620	1150	850	745	120	175	210	92	241	480	3
H30-B0	3000/500	450-1970	1250	850	745	120	175	210	90	241	510	3
H30-C0*	3000/500	320-1780	1320	850	745	120	175	210	80	241	529	3
H35-A0*	3500/500	320-1620	1150	900	745	120	170	210	93	241	490	3
H35-B0*	3500/500	320-1790	1320	1000	745	120	170	210	91	241	520	3
H35-C0	3500/500	450-2180	1450	1000	745	120	170	210	90	241	540	3

Model	Capacity	W10-W11	W4	W6	H27	W3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
H40-A0*	4000/500	320-1620	1150	900	745	150	165	215	95	241	500	3
H40-B0	4000/500	450-2050	1320	1000	745	150	165	215	93	241	530	3
H40-C0	4000/500	450-2180	1450	1000	745	150	165	215	92	241	555	3
H45-A0	3800/600	350-1970	1450	1050	820	150	210	220	98	274	621	4
H45-B0	3800/600	450-2320	1600	1050	820	150	210	220	96	274	661	4
H60-A0	5000/600	380-2200	1600	1050	920	180	150	265	110	274	960	4
H60-B0	5000/600	380-2400	1800	1050	920	180	150	265	110	274	1020	4

*** Model for Euro-pallets**

Options

2 hydraulic functions – Integrated sideshifter

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

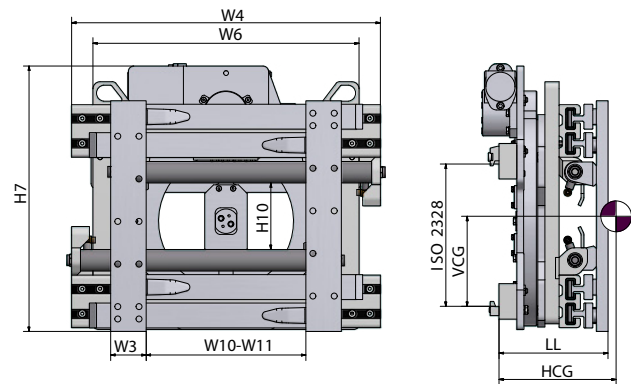
2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

Rotating load clamp

360°



Technical data

- W6 - Minimal width lift truck carriage
- Without sideshifter
- Technical data without forks/arms

Model	Capacity	W10-W11	W4	W6	W3	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HR10-A0	1000/500	450-1610	870	750	100	195	635	298	128	312	450	2
HR10-B0*	1000/500	360-1500	950	750	100	195	635	298	131	312	460	2
HR10-C0*	1000/500	360-1580	1050	750	100	195	635	298	135	312	470	2
HR14-A0	1400/500	450-1610	870	750	100	195	635	298	129	307	465	2
HR14-B0	1400/500	450-1690	950	750	100	195	635	298	132	307	470	2
HR14-C0*	1400/500	360-1600	1050	750	100	195	635	298	136	307	475	2
HR14-D0	1400/500	550-1980	1150	750	100	195	635	298	139	307	480	2
HR18-A0	1800/500	480-1700	950	750	100	185	635	301	133	307	470	2
HR18-B0	1800/500	480-1800	1050	750	100	185	635	301	137	307	475	2
HR18-B1*	1800/500	360-1580	1050	750	100	185	635	301	137	307	473	2
HR18-C0	1800/500	480-1900	1150	750	100	185	635	301	139	307	485	2
HR18-D0*	1800/500	360-1780	1250	850	100	185	635	301	141	307	494	2
HR22-A0	2200/500	450-1700	950	750	100	180	635	301	134	302	474	2
HR22-B0*	2200/500	320-1540	1050	750	100	180	635	301	138	302	480	2
HR22-C0	2200/500	450-1900	1150	750	100	180	635	301	140	302	487	2
HR22-D0*	2200/500	320-1740	1250	750	100	180	635	301	142	302	493	2
HR26-A0	2600/500	450-1800	1050	900	120	180	635	307	143	297	610	3
HR26-B0*	2600/500	320-1640	1150	900	120	180	635	307	145	297	617	3
HR26-C0	2600/500	450-2000	1250	900	120	180	635	307	147	297	626	3
HR26-D0*	2600/500	320-1810	1320	900	120	180	635	307	150	297	638	3
HR30-A0*	3000/500	320-1620	1150	900	120	175	745	337	147	325	725	3
HR30-B0	3000/500	450-1970	1250	900	120	175	745	337	151	325	740	3
HR30-C0*	3000/500	320-1780	1320	900	120	175	745	337	152	325	752	3
HR35-A0*	3500/500	320-1620	1150	1050	120	170	745	350	162	328	795	3
HR35-B0*	3500/500	320-1790	1320	1050	120	170	745	350	165	328	810	3
HR35-C0	3500/500	450-2180	1450	1050	120	170	745	350	169	328	827	3

Model	Capacity	W10-W11	W4	W6	W3	H10	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HR40-A0*	4000/500	320-1620	1150	1050	150	165	745	355	165	328	812	3
HR40-B0	4000/500	450-2050	1320	1050	150	165	745	355	171	328	821	3
HR40-C0	4000/500	450-2180	1450	1050	150	165	745	355	177	328	831	3
HR45-A0	3800/600	350-1970	1450	1230	150	210	820	380	189	338	1080	4
HR45-B0	3800/600	450-2320	1600	1230	150	210	820	380	197	338	1125	4

*** Model for Euro-pallets**

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

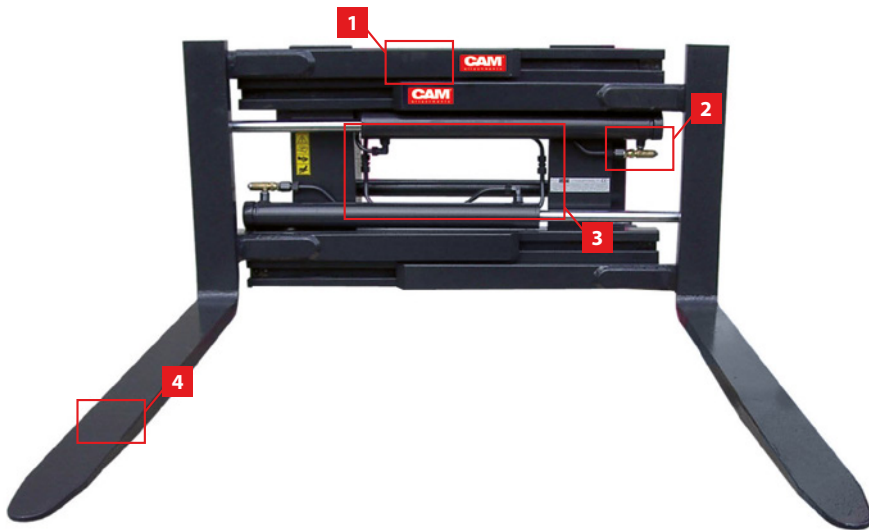
Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

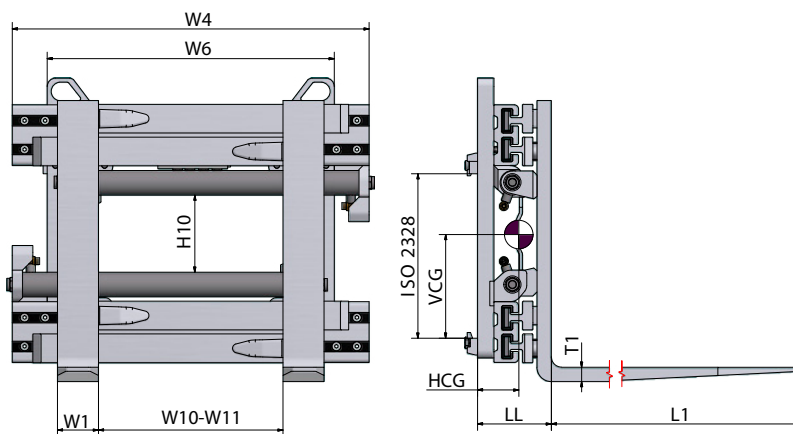
Fork clamp



Our fork clamps are multipurpose attachments. Use them as fork positioners and for clamping loads. Their 3-in-1 function makes it easy for you to handle pallets, bales, boxes etc. without having to change equipment. A versatile tool that's useful in different branches of industry such as food processing and the manufacturing industries.

Characteristics

1. Pressure regeneration valve protects the pressure regulator
2. Screw pressure regulator mounted on each of the 2 cylinders
3. Good visibility through the body
4. Different fork dimensions and cylinder protection plates available





Technical data

- W6 - Minimal width lift truck carriage
- Welded forks
- Models with integrated sideshifter

Model	Capacity forks	Capacity clamp	W10-W11	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HF10-A0T-10	1600/500	1000/500	450-1610	870	750	1000 x 100 x 35	195	180	192	175	296	2A
HF10-A0T-12	1600/500	1000/500	450-1610	870	750	1200 x 100 x 35	195	180	202	175	306	2A
HF10-B0T-10*	1600/500	1000/500	360-1500	950	750	1000 x 100 x 35	195	180	190	175	306	2A
HF10-B0T-12*	1600/500	1000/500	360-1500	950	750	1200 x 100 x 35	195	180	200	175	316	2A
HF10-C0T-10*	1600/500	1000/500	360-1600	1050	750	1000 x 100 x 35	195	180	195	175	316	2A
HF10-C0T-12*	1600/500	1000/500	360-1600	1050	750	1200 x 100 x 35	195	180	205	175	326	2A
HF14-A0T-10	2000/500	1400/500	450-1610	870	750	1000 x 100 x 40	195	180	195	165	317	2A
HF14-A0T-12	2000/500	1400/500	450-1610	870	750	1200 x 100 x 40	195	180	205	165	327	2A
HF14-B0T-10	2000/500	1400/500	450-1690	950	750	1000 x 100 x 40	195	180	193	165	322	2A
HF14-B0T-12	2000/500	1400/500	450-1690	950	750	1200 x 100 x 40	195	180	203	165	332	2A
HF14-C0T-10*	2000/500	1400/500	360-1600	1050	750	1000 x 100 x 40	195	180	191	165	336	2A
HF14-C0T-12*	2000/500	1400/500	360-1600	1050	750	1200 x 100 x 40	195	180	201	165	346	2A
HF14-D0T-10	2000/500	1400/500	550-1980	1150	750	1000 x 100 x 40	195	180	189	165	345	2A
HF14-D0T-12	2000/500	1400/500	550-1980	1150	750	1200 x 100 x 40	195	180	198	165	354	2A
HF18-A0T-10	2300/500	1800/500	480-1700	950	750	1000 x 100 x 40	185	185	205	165	333	2A
HF18-A0T-12	2300/500	1800/500	480-1700	950	750	1200 x 100 x 40	185	185	220	165	343	2A
HF18-B0T-10*	2300/500	1800/500	360-1580	1050	750	1000 x 100 x 40	185	185	185	165	340	2A
HF18-B0T-12*	2300/500	1800/500	360-1580	1050	750	1200 x 100 x 40	185	185	210	165	350	2A
HF18-B1T-10	2300/500	1800/500	480-1800	1050	750	1000 x 100 x 40	185	185	186	165	343	2A
HF18-B1T-12	2300/500	1800/500	480-1800	1050	750	1200 x 100 x 40	185	185	211	165	353	2A
HF18-C0T-10	2300/500	1800/500	480-1900	1150	750	1000 x 100 x 40	185	185	180	165	348	2A
HF18-C0T-12	2300/500	1800/500	480-1900	1150	750	1200 x 100 x 40	185	185	205	165	358	2A
HF18-D0T-10*	2300/500	1800/500	360-1780	1250	850	1000 x 100 x 40	185	185	178	165	355	2A
HF18-D0T-12*	2300/500	1800/500	360-1780	1250	850	1200 x 100 x 40	185	185	203	165	365	2A
HF22-A0T-10	2500/500	2200/500	430-1660	950	750	1000 x 120 x 40	180	185	205	162	371	2A
HF22-A0T-12	2500/500	2200/500	430-1660	950	750	1200 x 120 x 40	180	185	230	162	381	2A
HF22-B1T-10*	2500/500	2200/500	320-1540	1050	750	1000 x 120 x 40	180	185	205	162	376	2A
HF22-B1T-12*	2500/500	2200/500	320-1540	1050	750	1200 x 120 x 40	180	185	230	162	386	2A
HF22-C0T-10	2500/500	2200/500	450-1900	1150	750	1000 x 120 x 40	180	185	205	162	390	2A
HF22-C0T-12	2500/500	2200/500	450-1900	1150	750	1200 x 120 x 40	180	185	230	162	400	2A
HF22-D1T-10*	2500/500	2200/500	320-1740	1250	850	1000 x 120 x 40	180	185	205	162	395	2A
HF22-D1T-12*	2500/500	2200/500	320-1740	1250	850	1200 x 120 x 40	180	185	230	162	405	2A
HF26-A0T-10	3200/500	2600/500	450-1800	1050	850	1000 x 120 x 45	180	190	200	175	388	3A
HF26-A0T-12	3200/500	2600/500	450-1800	1050	850	1200 x 120 x 45	180	190	225	175	399	3A
HF26-B1T-10*	3200/500	2600/500	320-1640	1150	850	1000 x 120 x 45	180	190	195	175	396	3A
HF26-B1T-12*	3200/500	2600/500	320-1640	1150	850	1200 x 120 x 45	180	190	220	175	406	3A
HF26-C0T-10	3200/500	2600/500	440-1980	1250	850	1000 x 120 x 45	180	190	192	175	404	3A
HF26-C0T-12	3200/500	2600/500	440-1980	1250	850	1200 x 120 x 45	180	190	216	175	420	3A
HF26-D1T-10*	3200/500	2600/500	320-1810	1320	850	1000 x 120 x 45	180	190	190	175	429	3A
HF26-D1T-12*	3200/500	2600/500	320-1810	1320	850	1200 x 120 x 45	180	190	205	175	438	3A
HF30-A0T-10*	3600/500	2800/500	320-1620	1150	850	1000 x 120 x 50	175	225	185	198	555	3A
HF30-A0T-12*	3600/500	2800/500	320-1620	1150	850	1200 x 120 x 50	175	225	215	198	575	3A
HF30-B0T-10	3600/500	2800/500	450-1970	1250	850	1000 x 120 x 50	175	225	182	198	573	3A
HF30-B0T-12	3600/500	2800/500	450-1970	1250	850	1200 x 120 x 50	175	225	212	198	588	3A
HF30-C0T-10*	3600/500	2800/500	320-1780	1320	850	1000 x 120 x 50	175	225	180	198	585	3A
HF30-C0T-12*	3600/500	2800/500	320-1780	1320	850	1200 x 120 x 50	175	225	210	198	700	3A

* Model for Euro-pallets

Model	Capacity forks	Capacity clamp	W10-W11	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HF35-A0T-10*	4200/500	3500/500	320-1620	1150	850	1000 x 120 x 50	170	225	185	200	557	3A
HF35-A0T-12*	4200/500	3500/500	320-1620	1150	850	1200 x 120 x 50	170	225	215	200	575	3A
HF35-B0T-10*	4200/500	3500/500	320-1780	1320	850	1000 x 120 x 50	170	225	180	200	603	3A
HF35-B0T-12*	4200/500	3500/500	320-1780	1320	850	1200 x 120 x 50	170	225	210	200	618	3A
HF35-C0T-10	4200/500	3500/500	450-2180	1450	1000	1000 x 120 x 50	170	225	177	200	622	3A
HF35-C0T-12	4200/500	3500/500	450-2180	1450	1000	1200 x 120 x 50	170	225	206	200	636	3A
HF40-A0T-12*	5200/500	4000/500	260-1560	1150	900	1200 x 150 x 60	165	235	220	241	720	3A
HF40-B0T-12	5200/500	4000/500	450-2050	1320	1000	1200 x 150 x 60	165	235	210	241	755	3A
HF40-C0T-12	5200/500	4000/500	450-2180	1450	1050	1200 x 150 x 60	165	235	202	241	795	3A
HF45-A0T-12	5500/500	4500/500	350-1970	1450	1050	1200 x 150 x 60	210	235	208	267	795	4A
HF45-B0T-12	5500/500	4500/500	300-2000	1700	1050	1200 x 150 x 60	210	235	205	267	855	4A

* Model for Euro-pallets

Add-on prices for other fork lengths, see p. 260

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

Double maximum pressure control valve

Frame bumper

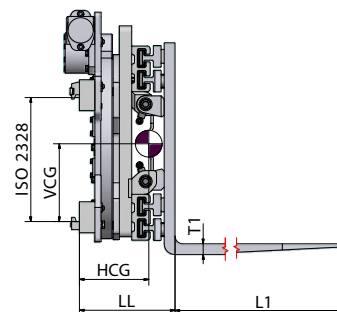
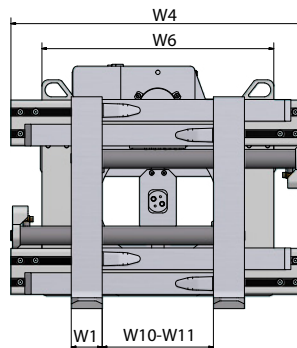
Available on request

- > Different fork dimensions
- > Bolted forks
- > Class B forks
- > Other opening ranges
- > Models without sideshifter



Rotating fork clamp

360°



Technical data

- W6 - Minimal width lift truck carriage
- Welded forks
- Without sideshifter

Model	Capacity forks	Capacity clamp	W10-W11	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HFR10-B0-12*	1600/500	1000/500	360-1500	950	750	1200 x 100 x 35	195	309	205	274	520	2A
HFR10-C0-12*	1600/500	1000/500	360-1600	1050	750	1200 x 100 x 35	195	309	201	274	530	2A
HFR14-B0-12	2000/500	1400/500	450-1690	950	750	1200 x 100 x 40	195	314	209	274	530	2A
HFR14-C0-12*	2000/500	1400/500	360-1600	1050	750	1200 x 100 x 40	195	314	206	274	550	2A
HFR14-D0-12	2000/500	1400/500	550-1980	1150	750	1200 x 100 x 40	195	314	209	274	568	2A
HFR18-A0-12	2300/500	1800/500	480-1700	950	750	1200 x 100 x 40	185	309	209	267	545	2A
HFR18-B0-12*	2300/500	1800/500	360-1580	1050	750	1200 x 100 x 40	185	309	211	267	556	2A
HFR18-B1-12	2300/500	1800/500	480-1800	1050	750	1200 x 100 x 40	185	309	212	267	556	2A
HFR18-C0-12	2300/500	1800/500	480-1920	1150	750	1200 x 100 x 40	185	309	214	267	566	2A
HFR18-D0-12*	2300/500	1800/500	360-1780	1250	750	1200 x 100 x 40	185	309	229	267	576	2A
HFR22-A0-12	2500/500	2200/500	430-1660	950	750	1200 x 120 x 40	180	309	226	269	577	2A
HFR22-B1-12*	2500/500	2200/500	320-1540	1050	750	1200 x 120 x 40	180	309	232	269	587	2A
HFR22-C0-12	2500/500	2200/500	450-1900	1150	750	1200 x 120 x 40	180	309	237	269	597	2A
HFR22-D1-12*	2500/500	2200/500	320-1740	1250	750	1200 x 120 x 40	180	309	245	269	607	2A
HFR26-A0-12	3200/500	2600/500	450-1800	1050	900	1200 x 120 x 45	180	317	219	251	650	3A
HFR26-B1-12*	3200/500	2600/500	320-1640	1150	900	1200 x 120 x 45	180	317	222	251	658	3A
HFR26-C0-12	3200/500	2600/500	440-1980	1250	900	1200 x 120 x 45	180	317	229	251	685	3A
HFR26-D1-12*	3200/500	2600/500	320-1810	1320	900	1200 x 120 x 45	180	317	237	251	693	3A
HFR30-A0-12*	3600/500	2800/500	320-1620	1150	900	1200 x 120 x 50	175	352	246	259	838	3A
HFR30-B0-12	3600/500	2800/500	450-1970	1250	900	1200 x 120 x 50	175	352	249	259	865	3A
HFR30-C0-12*	3600/500	2800/500	320-1780	1320	900	1200 x 120 x 50	175	352	256	259	870	3A
HFR35-A0-12*	4200/500	3500/500	320-1620	1150	1050	1200 x 120 x 50	170	365	247	267	880	3A
HFR35-B0-12*	4200/500	3500/500	320-1780	1320	1050	1200 x 120 x 50	170	353	253	298	860	3A
HFR35-C0-12	4200/500	3500/500	450-2180	1450	1050	1200 x 120 x 50	170	365	253	267	923	3A
HFR40-A0-12*	4800/500	4000/500	260-1560	1150	1050	1200 x 150 x 60	165	380	256	279	1015	3A
HFR40-B0-12	4800/500	4000/500	450-2050	1320	1050	1200 x 150 x 60	165	380	259	279	1050	3A
HFR40-C0-12	4800/500	4000/500	450-2180	1450	1050	1200 x 150 x 60	165	380	263	279	1090	3A
HFR45-A0-12	5000/600	3800/600	350-1970	1450	1230	1200 x 150 x 60	210	405	265	292	1270	4A
HFR45-B0-12	5000/600	3800/600	450-2320	1600	1230	1200 x 150 x 60	210	405	275	292	1330	4A

* Model for Euro-pallets

Add-on prices for other fork lengths, see p. 260

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

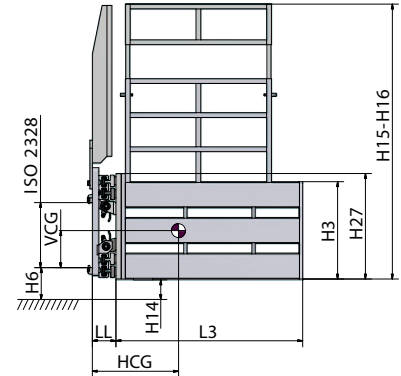
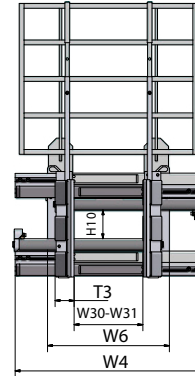
Double maximum pressure control valves

Frame bumper

Available on request

- Different fork dimensions
- Bolted forks
- Class B forks
- Other opening ranges

Basket clamp with rubber-faced arms



Technical data

- W6 - Minimal width lift truck carriage
- Pressure selector valve with pressure gauge included
- Load backrest with movable top part
- Models with integrated sideshifter
- Bolted arms

Model	Capacity	W30-W31	W4	W6	H27	H15-H16	H14	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HX18T	1800/500	460-1780	1050	750	640	1500-1700	15	1040 x 600 x 120	185	145	304	356	540	2A
HX22T	2200/500	420-1840	1150	750	640	1500-1700	15	1060 x 600 x 120	180	145	295	360	559	2A

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

2 hydraulic functions - Independent arm control

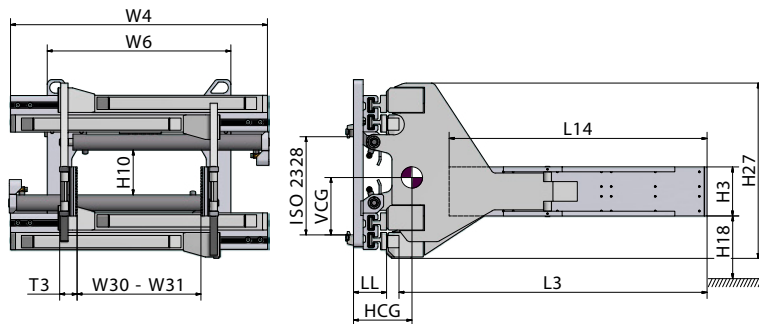
Class 2 quick-release lower mountings

Available on request

- Other opening ranges
- Models without sideshifter

Clamp

with pivoting rubber-faced arms



Technical data

- › W6 - Minimal width lift truck carriage
- › Welded arms
- › Without sideshifter

Model	Capacity	W30-W31	W4	W6	H27	H18	L14	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HOX18-A0-105	1600/500	490-1810	1050	750	700	170	1000	1050 x 200 x 70	185	135	260	223	447	2A
HOX18-A0-115	1600/500	490-1810	1050	750	700	170	1100	1150 x 200 x 70	185	135	360	226	462	2A
HOX18-A0-125	1600/500	490-1810	1050	750	700	170	1200	1250 x 200 x 70	185	135	360	226	472	2A
HOX18-A0-105B	1600/500	490-1810	1050	750	700	0	1000	1050 x 200 x 70	185	135	360	206	451	2A
HOX18-A0-115B	1600/500	490-1810	1050	750	700	0	1100	1150 x 200 x 70	185	135	360	208	371	2A
HOX18-A0-125B	1600/500	490-1810	1050	750	700	0	1200	1250 x 200 x 70	185	135	360	208	480	2A

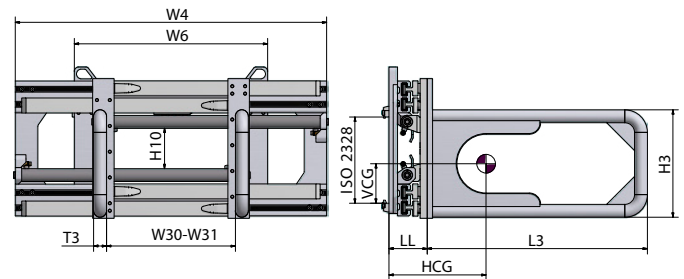
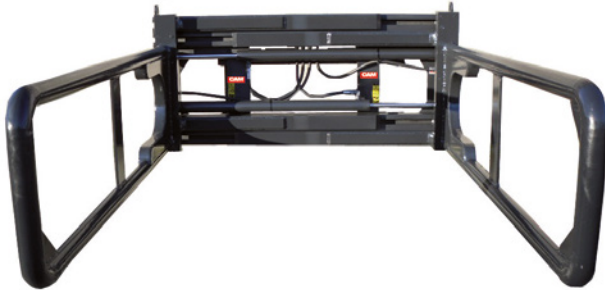
Options

- 2 hydraulic functions – Integrated sideshifter
- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- 2 hydraulic functions – Independent arm control
- Class 2 quick-release lower mountings

Available on request

- › Bolted arms
- › Other opening ranges

Load clamp for foam blocks



Technical data

- W6 - Minimal width lift truck carriage
- Without sideshifter
- Opening range measured across rear of the arms
- Bolted arms

Model	Capacity	W30-W31	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HY14-A0-18	1400/500	600-2320	1450	900	1800 x 500 x 60	195	133	315	236	530	2A
HY20-A0-20	1800/500	630-2300	1450	900	2000 x 550 x 60	185	135	431	211	554	2A

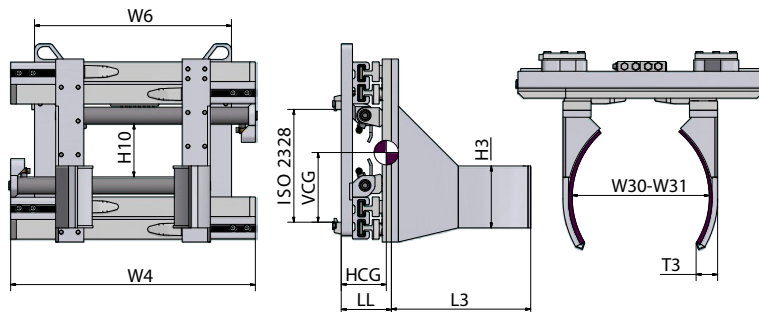
Options

- 2 hydraulic functions – Integrated sideshifter
- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- 2 hydraulic functions – Independent arm control
- Class 2 quick-release lower mountings

Available on request

- Different arm dimensions
- Other opening ranges

Drum clamp



Technical data

- W6 - Minimal width lift truck carriage
- Bolted arms
- Without sideshifter
- Arms for different drums on request

Model	Capacity	W30-W31	W4	W6	Arms L3 x H3 x T3	Drum Ø	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
1/2 drum clamps												
HD10-A0	1000/500	470-1530	870	750	500 x 220 x 80	600	195	130	130	206	320	2A
HD14-A0	1400/500	470-1530	870	750	500 x 220 x 80	600	195	130	132	208	328	2A
HD18-A0	1800/500	470-1660	1050	750	500 x 220 x 80	600	185	130	125	216	345	2A
2/4 drum clamps												
HDD14-A0	1400/500	370-1430	870	750	1090 x 220 x 80	600	195	130	310	201	345	2A
HDD18-A0	1800/500	370-1560	1050	750	1090 x 220 x 80	600	185	130	295	206	365	2A

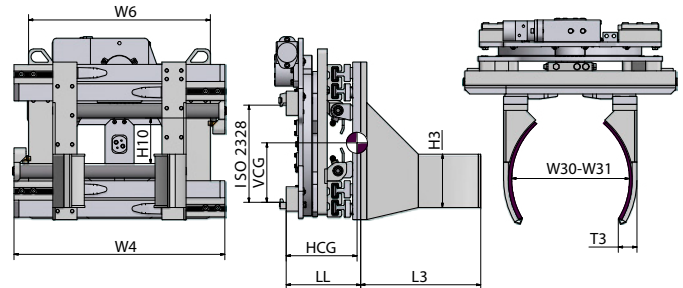
Options

- 2 hydraulic functions – Integrated sideshifter
- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- 2 hydraulic functions – Independent arm control
- Class 2 quick-release lower mountings

Available on request

- Other opening ranges

Rotating drum clamp 360°



Technical data

- W6 - Minimal width lift truck carriage
- Bolted arms
- Without sideshifter
- Arm for different drums on request

Model	Capacity	W30-W31	W4	W6	Arms L3 x H3 x T3	Drum Ø	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
1/2 drum 360° rotating clamps												
HDR10-A0	1000/500	470-1530	870	750	500 x 220 x 80	600	180	256	190	295	520	2A
HDR14-A0	1400/500	470-1530	870	750	500 x 220 x 80	600	180	256	195	312	568	2A
HDR18-A0	1800/500	470-1660	1050	750	500 x 220 x 80	600	170	256	200	310	600	2A
2/4 drum 360° rotating clamps												
HDDR14-A0	1400/500	370-1430	870	750	1090 x 220 x 80	600	180	256	250	312	585	2A
HDDR18-A0	1800/500	370-1560	1050	750	1090 x 220 x 80	600	170	256	245	310	625	2A

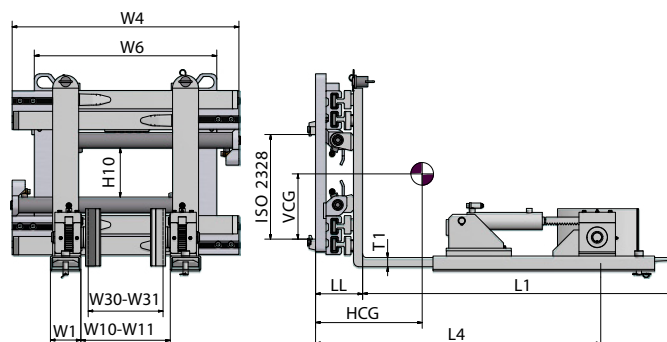
Options

- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- 2 hydraulic functions – Independent arm control
- Class 2 quick-release lower mountings

Available on request

- Other opening ranges

Tilting drum clamp 180°



Technical data

- > W6 - Minimal width lift truck carriage
- > Welded arms
- > Without sideshifter

Model	Capacity	W10-W11	W30-W31	W4	W6	L4	Forks L1 x W1 x T1	Drum Ø	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HZ08-A0	800/500	360-1420	240-1300	870	750	1080	1200 x 100 x 35	600	195	130	470	175	420	2A
HZ14-A0	1400/500	360-1420	240-1300	870	750	1080	1200 x 100 x 40	600	195	130	470	180	420	2A
HZ18-A0	1800/500	300-1520	180-1400	1050	750	1095	1200 x 130 x 40	600	185	130	455	185	500	2A

Options

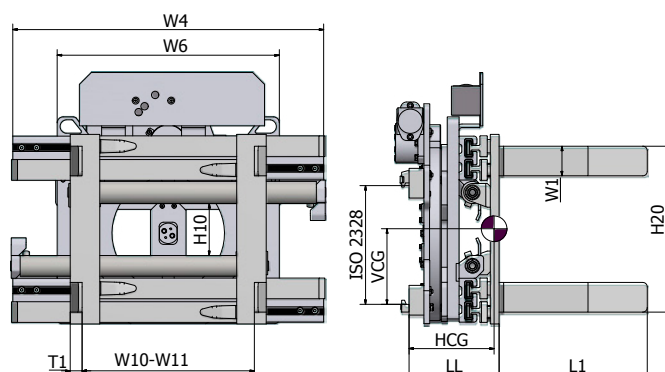
- 2 hydraulic functions – Integrated sideshifter
- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- 2 hydraulic functions – Independent arm control
- Class 2 quick-release lower mountings

Available on request

- > Contact pads for different drums
- > Dual pivoting contact pads for plastic drum
- > Other opening ranges

Pallet inverter clamp

360°



Technical data

- > W6 - Minimal width lift truck carriage
- > Exclusive synchronised loading system
- > Mounting angle 0°
- > Welded forks
- > Without sideshifter

Model	Capacity	W10-W11	W4	W6	H20	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HI14-A0-10	1400/500	570-1890	1050	750	560	1000 x 100 x 40	195	298	270	279	625	2A
HI18-A0-10	1800/500	550-1970	1150	750	560	1000 x 120 x 45	185	301	295	284	680	2A
HI22-A0-12	2200/500	540-1960	1150	750	560	1200 x 150 x 50	180	301	300	277	830	2A
HI26-A0-12	2600/500	610-2030	1150	900	560	1200 x 150 x 50	175	307	295	287	920	3A

Add-on prices for other fork lengths, see p. 260

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

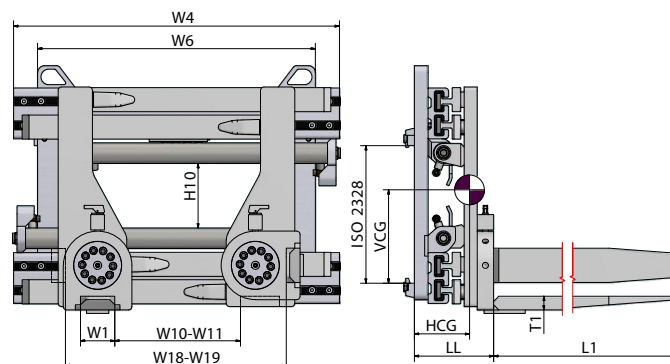
Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Class 2 or class 3 quick-release lower mountings

Available on request

- > Bolted forks
- > Fixed or hydraulic side loading wall
- > Different opening and fork sizes

Rotating 90° pivoting fork clamp hand-operated



Technical data

- W6 - Minimal width lift truck carriage
- With integrated sideshifter
- Welded forks

Model	Capacity forks	Capacity clamp	W10-W11	W18-W19	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HP10-A0T-10*	1400/500	1000/500	360-1600	640-1880	950	750	1000 x 100 x 40	195	229	195	175	372	2A
HP10-A0T-12*	1400/500	1000/500	360-1600	640-1880	950	750	1200 x 100 x 40	195	229	205	178	385	2A
HP14-A0T-10*	1800/500	1400/500	300-1640	610-1950	1050	750	1000 x 130 x 40	195	229	198	178	390	2A
HP14-A0T-12*	1800/500	1400/500	300-1640	610-1950	1050	750	1200 x 130 x 40	195	229	208	178	418	2A
HP18-A0T-12*	2300/500	1800/500	220-1440	520-1740	1050	750	1200 x 120 x 50	185	232	211	173	433	2A
HP18-B0T-12*	2300/500	1800/500	320-1740	620-2040	1150	750	1200 x 120 x 50	185	232	215	175	454	2A
HP22-A0T-12*	2600/500	2200/500	220-1440	520-1740	1050	750	1200 x 120 x 50	180	234	213	173	431	2A
HP22-B0T-12*	2600/500	2200/500	320-1740	620-2040	1150	750	1200 x 120 x 50	180	234	218	175	452	2A
HP26-A0T-12*	3200/500	2600/500	260-1570	630-1940	1050	750	1200 x 150 x 50	175	237	215	168	490	3A
HP26-B0T-12*	3200/500	2600/500	260-1670	630-2040	1150	750	1200 x 150 x 50	175	237	220	175	530	3A
HP30-A0T-12*	3500/500	3000/500	160-1460	530-1830	1150	800	1200 x 150 x 50	175	271	239	157	680	3A
<u>HP30-B0T-12</u>	3500/500	3000/500	410-1880	780-2250	1250	850	1200 x 150 x 50	175	271	235	162	730	3A

* Model for Euro-pallets

Add-on prices for other fork lengths, see p. 260

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

2 hydraulic functions – Independent arm control

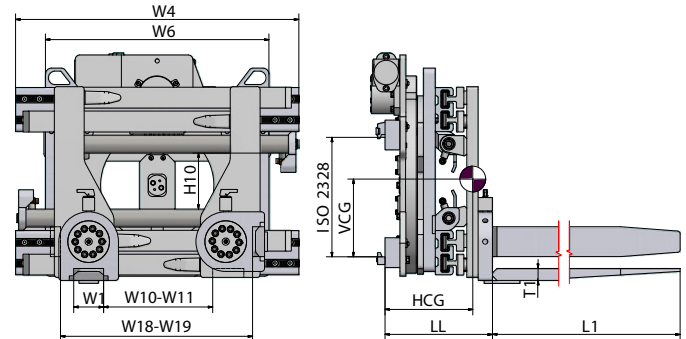
Class 2 or class 3 quick-release lower mountings

Double maximum pressure control valve

Available on request

- Models without sideshifter
- Different fork dimensions
- Other opening ranges
- Black rubber-padded forks
- Hydraulically pivoting forks

Rotating 90° pivoting fork clamp hand-operated 360°



Technical data

- W6 - Minimal width lift truck carriage
- Welded forks
- Without sideshifter

Model	Capacity forks	Capacity clamp	W10-W11	W18-W19	W4	W6	Forks L1 x W1 x T1	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HPR10-A0-10*	1400/500	1000/500	360-1600	640-1880	950	750	1000 x 100 x 40	195	355	250	200	578	2A
HPR10-A0-12*	1400/500	1000/500	360-1600	640-1880	950	750	1200 x 100 x 40	195	355	265	203	590	2A
HPR14-A0-10*	1800/500	1400/500	300-1640	610-1950	1050	750	1000 x 130 x 40	195	355	259	208	608	2A
HPR14-A0-12*	1800/500	1400/500	300-1640	610-1950	1050	750	1200 x 130 x 40	195	355	274	208	616	2A
HPR18-A0-12*	2300/500	1800/500	220-1440	520-1740	1050	750	1200 x 120 x 50	185	358	272	208	625	2A
HPR18-B0-12*	2300/500	1800/500	320-1740	620-2040	1150	750	1200 x 120 x 50	185	358	286	213	637	2A
HPR22-A0-12*	2600/500	2200/500	220-1440	520-1740	1050	750	1200 x 120 x 50	180	360	273	206	625	2A
HPR22-B0-12*	2600/500	2200/500	320-1740	620-2040	1150	750	1200 x 120 x 50	180	360	288	213	641	2A
HPR26-A0-12*	3200/500	2600/500	260-1570	630-1940	1050	900	1200 x 150 x 50	175	364	293	200	735	3A
HPR26-B0-12*	3200/500	2600/500	260-1670	630-2040	1150	900	1200 x 150 x 50	175	364	303	203	760	3A

* Model for Euro-pallets

Add-on prices for other fork lengths, see p. 260

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Available on request

- Different fork dimensions
- Other opening ranges
- Black rubber-padded forks

Technical data

clamps

	Clamping						Sideshifting						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
H	80	160	180	15	25	40	-	-	-	-	-	-	1
HF10T - HF18T	80	160	180	15	25	40	130	160	220	4	10	15	2
HF22T	80	160	180	15	25	40	130	160	220	6	12	20	2
HF26T - HF40T	100	160	180	18	30	45	130	160	220	7	14	20	2
HF45T	100	160	180	18	25	55	130	160	220	7	14	25	2
HP10T - HP22T	80	160	180	15	25	40	130	160	220	4	10	15	2
HP26T- HP30T	100	160	180	18	25	45	130	160	220	6	12	20	2
HY14 - HY20	80	160	180	15	25	45	-	-	-	-	-	-	1
HXT	80	160	180	15	25	45	130	160	220	7	14	20	2
HOX	80	160	180	15	25	45	-	-	-	-	-	-	1
HD	80	160	180	15	25	45	-	-	-	-	-	-	1
HZ	80	160	180	15	25	45	-	-	-	-	-	-	1

	Clamping						Rotating						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
HR10 - HR22	80	160	180	15	25	40	130	160	180	20	30	40	2
HR26	80	160	180	18	25	40	130	160	180	20	35	45	2
HR30 - HR40	100	160	180	18	30	45	130	160	180	25	40	65	2
HR45	100	160	180	18	25	55	130	160	180	25	40	65	2
HFR10 - HFR18	80	160	180	15	25	40	130	160	180	20	30	40	2
HFR22	80	160	180	15	25	40	130	160	180	20	35	45	2
HFR26 - HFR40	100	160	180	18	30	45	130	160	180	25	40	65	2
HFR45	100	160	180	18	25	55	130	160	180	25	40	65	2
HI14 - HI18	80	160	180	15	25	40	130	160	180	20	30	40	2
HI22	80	160	180	15	25	40	130	160	180	20	35	45	2
HI26	100	160	180	15	25	45	130	160	180	25	40	65	2
HPR10 - HPR 22	80	160	180	15	25	40	130	160	180	20	30	40	2
HPR26	100	160	180	18	25	40	130	160	180	20	35	45	2
HDR	80	160	180	15	25	45	130	160	180	20	30	40	2





8. Bale clamps

Bale clamps are a specific type of clamp. These attachments are designed for baled materials such as waste paper, recycled plastic products, textile rags, natural and synthetic textile fibres.

Chapter overview

8.1	Bale clamp, pulp bale clamp	HB-T	124
8.2	Bale clamp, pulp bale clamp 360°	HBR	128
8.3	Bale clamp with rubber-faced arms	HBG-T	130
Technical data bale clamps			132

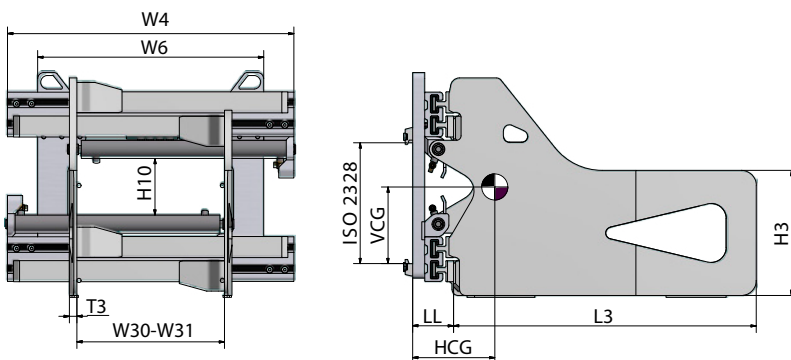
Bale clamp, pulp bale clamp



Our bale clamps efficiently and safely handle baled materials such as waste paper, recycled plastic products, textile rags, natural and synthetic textile fibres.

Characteristics

1. Fully protected valve including maximum pressure and retaining cartridges
2. Adjustable flow regulators provide synchronised arm movements
3. Excellent visibility through and over the frame
4. Thin round bars provide excellent grip on the load
5. Highly durable steel clamp frame
6. Thin arm profile to slide between bales that are stacked closely together





Technical data

- Clamps also suitable for handling pulp bales
- W6 - Minimal width lift truck carriage
- With integrated sideshifter

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HB10-A0T-09	1000/500	450-1590	950	750	900 x 400 x 25	195	133	239	211	379	2A
HB10-A0T-10	1000/500	450-1590	950	750	1000 x 400 x 25	195	133	289	211	398	2A
HB10-A1T-09	1000/500	550-1790	950	750	900 x 400 x 25	195	133	241	211	405	2A
HB10-A1T-10	1000/500	550-1790	950	750	1000 x 400 x 25	195	135	252	218	410	2A
HB14-A0T-09	1400/500	550-1790	950	750	900 x 400 x 25	195	133	241	213	382	2A
HB14-A0T-10	1400/500	550-1790	950	750	1000 x 400 x 25	195	133	290	213	402	2A
HB14-B0T-09	1400/500	450-1690	1050	750	900 x 400 x 25	195	133	235	213	387	2A
HB14-B0T-10	1400/500	450-1690	1050	750	1000 x 400 x 25	195	133	284	213	412	2A
HB14-C0T-09	1400/500	450-1790	1150	750	900 x 400 x 25	195	133	231	213	402	2A
HB14-C0T-10	1400/500	450-1790	1150	750	1000 x 400 x 25	195	133	281	213	392	2A
HB14-C1T-09	1400/500	650-2190	1150	750	900 x 400 x 25	195	135	215	226	430	2A
HB14-C1T-10	1400/500	650-2190	1150	750	1000 x 400 x 25	195	133	282	213	432	2A
HB18-A0T-10	1800/500	560-1780	950	750	1000 x 400 x 30	185	135	256	234	448	2A
HB18-A0T-12	1800/500	560-1780	950	750	1200 x 400 x 30	185	135	303	234	460	2A
HB18-B0T-10	1800/500	460-1680	1050	750	1000 x 400 x 30	185	135	249	234	446	2A
HB18-B0T-12	1800/500	460-1680	1050	750	1200 x 400 x 30	185	135	293	234	461	2A
HB18-C0T-10	1800/500	560-1980	1150	750	1000 x 400 x 30	185	135	243	234	453	2A
HB18-C0T-12	1800/500	560-1980	1150	750	1200 x 400 x 30	185	135	285	234	485	2A
HB18-D0T-10	1800/500	460-1880	1250	850	1000 x 400 x 30	185	135	239	234	468	2A
HB18-D0T-12	1800/500	460-1880	1250	850	1200 x 400 x 30	185	135	276	234	494	2A
HB22-A0T-10	2200/500	570-1800	950	750	1000 x 400 x 30	180	135	249	239	441	2A
HB22-A0T-12	2200/500	570-1800	950	750	1200 x 400 x 30	180	135	275	239	460	2A
HB22-B0T-10	2200/500	660-2080	1050	750	1000 x 400 x 30	180	135	244	239	457	2A
HB22-B0T-12	2200/500	660-2080	1050	750	1200 x 400 x 30	180	135	269	239	485	2A
HB22-C0T-10	2200/500	560-1980	1150	750	1000 x 400 x 30	180	135	241	239	469	2A
HB22-C0T-12	2200/500	560-1980	1150	750	1200 x 400 x 30	180	135	265	239	494	2A
HB22-D0T-10	2200/500	570-2100	1250	850	1000 x 400 x 30	180	135	238	239	480	2A
HB22-D0T-12	2200/500	570-2100	1250	850	1200 x 400 x 30	180	135	261	239	508	2A
HB26-A0T-10	2600/500	550-1860	1050	750	1000 x 400 x 30	180	137	265	239	470	2A
HB26-A0T-12	2600/500	550-1860	1050	750	1200 x 400 x 30	180	137	304	210	492	2A
HB26-B0T-10	2600/500	670-2200	1150	750	1000 x 400 x 30	180	137	259	239	484	2A
HB26-B0T-12	2600/500	670-2200	1150	750	1200 x 400 x 30	180	137	268	239	509	2A
HB26-C0T-10	2600/500	530-2020	1250	850	1000 x 400 x 30	180	137	255	239	497	2A
HB26-C0T-12	2600/500	530-2020	1250	850	1200 x 400 x 30	180	137	263	239	522	2A
HB26-D0T-10	2600/500	670-2320	1320	850	1000 x 400 x 30	180	137	245	239	505	2A
HB26-D0T-12	2600/500	670-2320	1320	850	1200 x 400 x 30	180	137	254	239	530	2A
HB30-A0T-12	3000/500	630-2090	1150	850	1200 x 400 x 35	175	163	306	249	824	3A
HB30-A0T-14	3000/500	630-2090	1150	850	1400 x 400 x 35	175	163	348	249	849	3A
HB30-B0T-12	3000/500	520-1990	1250	850	1200 x 400 x 35	175	163	299	249	837	3A
HB30-B0T-14	3000/500	520-1990	1250	850	1400 x 400 x 35	175	163	341	249	867	3A
HB30-C0T-12	3000/500	640-2300	1320	850	1200 x 400 x 35	175	163	294	249	852	3A
HB30-C0T-14	3000/500	640-2300	1320	850	1400 x 400 x 35	175	163	334	249	883	3A
HB35-A0T-12	3500/500	430-1730	1150	900	1200 x 400 x 35	170	165	308	259	819	3A
HB35-A0T-14	3500/500	430-1730	1150	900	1400 x 400 x 35	170	165	351	259	844	3A
HB35-B0T-12	3500/500	690-2420	1320	1000	1200 x 400 x 35	170	165	296	259	829	3A
HB35-B0T-14	3500/500	690-2420	1320	1000	1400 x 400 x 35	170	165	337	259	861	3A
HB35-C0T-12	3500/500	560-2290	1450	1000	1200 x 400 x 35	170	165	291	259	846	3A
HB35-C0T-14	3500/500	560-2290	1450	1000	1400 x 400 x 35	170	165	329	259	874	3A
HB42-A0T-12	4200/500	630-2070	1150	900	1200 x 450 x 40	165	172	298	264	931	3A
HB42-A0T-14	4200/500	630-2070	1150	900	1400 x 450 x 40	165	172	339	264	965	3A
HB42-A0T-16	4200/500	630-2070	1150	900	1600 x 450 x 40	165	172	379	264	992	3A
HB42-B0T-12	4200/500	590-2160	1320	1000	1200 x 450 x 40	165	172	293	264	959	3A

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HB42-B0T-14	4200/500	590-2160	1320	1000	1400 x 450 x 40	165	172	331	264	987	3A
HB42-B0T-16	4200/500	590-2160	1320	1000	1600 x 450 x 40	165	172	371	264	1016	3A
HB42-C0T-12	4200/500	680-2500	1450	1050	1200 x 450 x 40	165	172	317	264	990	3A
HB42-C0T-14	4200/500	680-2500	1450	1050	1400 x 450 x 40	165	172	324	264	1023	3A
HB42-C0T-16	4200/500	680-2500	1450	1050	1600 x 450 x 40	165	172	365	264	1059	3A
HB45-A0T-12	4500/600	600-2320	1450	1050	1200 x 450 x 40	210	180	293	328	1030	4A
HB45-A0T-14	4500/600	600-2320	1450	1050	1400 x 450 x 40	210	180	329	328	1069	4A
HB45-A0T-16	4500/600	600-2320	1450	1050	1600 x 450 x 40	210	180	361	328	1110	4A
HB45-B0T-12	4500/600	700-2670	1600	1050	1200 x 450 x 40	210	180	289	328	1052	4A
HB45-B0T-14	4500/600	700-2670	1600	1050	1400 x 450 x 40	210	180	324	328	1088	4A
HB45-B0T-16	4500/600	700-2670	1600	1050	1600 x 450 x 40	210	180	356	328	1213	4A
HB60-A0T-14	6000/600	630-2510	1600	1050	1400 x 500 x 45	150	245	320	353	1295	4A
HB60-A0T-16	6000/600	630-2510	1600	1050	1600 x 500 x 45	150	245	365	353	1360	4A
HB60-B0T-14	6000/600	700-2800	1800	1050	1400 x 500 x 45	150	245	313	353	1330	4A
HB60-B0T-16	6000/600	700-2800	1800	1050	1600 x 500 x 45	150	245	303	362	1550	4A
HB72-B0T-16	7200/600	700-2750	1800	1300	1600 x 550 x 60	110	254	365	325	1855	4A
HB80-A0T-16	8000/800	650-3300	2500	-	1600 x 550 x 90	110	254	335	395	2800	4A

* Opening range measured across arm tips

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

Separate sideshifter: 100 + 100 mm for ISO/FEM 4

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Class 4 quick-release lower mountings

Gripper teeth

Wear strips under arms

Wear strips under frame

Frame bumper

Available on request

- Different arm dimensions
- Class B mounting arms
- Load backrest
- Waste paper box arm models
- Models without sideshifter

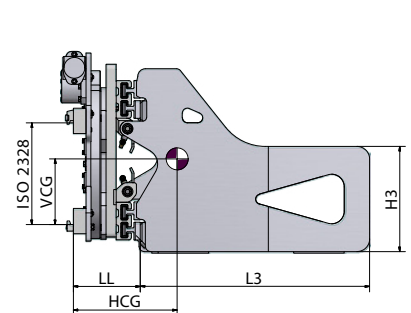
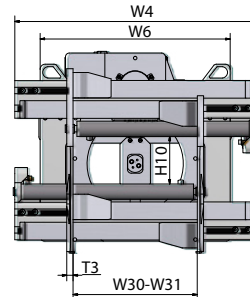
➤ See this attachment in action





Bale clamp, pulp bale clamp

360°



Technical data

- Clamps also suitable for handling pulp bales
- W6 - Minimal width lift truck carriage
- Without sideshifter

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HBR10-A0-09	1000/500	450-1590	950	750	900 x 400 x 25	195	270	226	325	585	2A
HBR10-A0-10	1000/500	450-1590	950	750	1000 x 400 x 25	195	270	235	325	605	2A
HBR10-A1-09	1000/500	550-1790	950	750	900 x 400 x 25	195	270	227	325	610	2A
HBR10-A1-10	1000/500	550-1790	950	750	1000 x 400 x 25	195	270	237	325	615	2A
HBR14-A0-09	1400/500	550-1790	950	750	900 x 400 x 25	195	270	225	325	594	2A
HBR14-A0-10	1400/500	550-1790	950	750	1000 x 400 x 25	195	270	234	325	613	2A
HBR14-B0-09	1400/500	450-1690	1050	750	900 x 400 x 25	195	270	237	325	602	2A
HBR14-B0-10	1400/500	450-1690	1050	750	1000 x 400 x 25	195	270	246	325	623	2A
HBR14-C0-09	1400/500	450-1790	1150	750	900 x 400 x 25	195	270	239	325	605	2A
HBR14-C0-10	1400/500	450-1790	1150	750	1000 x 400 x 25	195	270	249	325	630	2A
HBR14-C1-09	1400/500	650-2190	1150	750	900 x 400 x 25	195	270	235	325	602	2A
HBR14-C1-10	1400/500	650-2190	1150	750	1000 x 400 x 25	195	270	244	325	628	2A
HBR18-A0-10	1800/500	560-1780	950	750	1000 x 400 x 30	185	272	233	328	647	2A
HBR18-A0-12	1800/500	560-1780	950	750	1200 x 400 x 30	185	272	244	328	660	2A
HBR18-B0-10	1800/500	450-1680	1050	750	1000 x 400 x 30	185	272	236	328	661	2A
HBR18-B0-12	1800/500	450-1680	1050	750	1200 x 400 x 30	185	272	247	328	670	2A
HBR18-C0-10	1800/500	560-1980	1150	750	1000 x 400 x 30	185	272	237	328	679	2A
HBR18-C0-12	1800/500	560-1980	1150	750	1200 x 400 x 30	185	272	248	328	689	2A
HBR18-D0-10	1800/500	460-1880	1250	750	1000 x 400 x 30	185	272	239	328	699	2A
HBR18-D0-12	1800/500	460-1880	1250	750	1200 x 400 x 30	185	272	251	328	713	2A
HBR22-A0-10	2200/500	570-1800	950	750	1000 x 400 x 30	180	272	251	330	645	2A
HBR22-A0-12	2200/500	570-1800	950	750	1200 x 400 x 30	180	272	262	330	677	2A
HBR22-B0-10	2200/500	660-2080	1050	750	1000 x 400 x 30	180	272	258	330	688	2A
HBR22-B0-12	2200/500	660-2080	1050	750	1200 x 400 x 30	180	272	269	330	698	2A
HBR22-C0-10	2200/500	560-1980	1150	750	1000 x 400 x 30	180	272	263	330	694	2A
HBR22-C0-12	2200/500	560-1980	1150	750	1200 x 400 x 30	180	272	273	330	705	2A
HBR22-D0-10	2200/500	570-2100	1250	750	1000 x 400 x 30	180	272	265	330	715	2A
HBR22-D0-12	2200/500	570-2100	1250	750	1200 x 400 x 30	180	272	276	330	732	2A
HBR26-A0-10	2600/500	550-1860	1050	900	1000 x 400 x 35	180	275	254	335	500	2A

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HBR26-A0-12	2600/500	550-1860	1050	900	1200 x 400 x 35	180	275	266	335	532	2A
HBR26-B0-10	2600/500	670-2200	1150	900	1000 x 400 x 35	180	275	262	335	509	2A
HBR26-B0-12	2600/500	670-2200	1150	900	1200 x 400 x 35	180	275	273	335	541	2A
HBR26-C0-10	2600/500	530-2020	1250	900	1000 x 400 x 35	180	275	266	335	519	2A
HBR26-C0-12	2600/500	530-2020	1250	900	1200 x 400 x 35	180	275	276	335	550	2A
HBR26-D0-10	2600/500	670-2320	1320	900	1000 x 400 x 35	180	275	269	335	528	2A
HBR26-D0-12	2600/500	670-2320	1320	900	1200 x 400 x 35	180	275	281	335	557	2A
HBR30-A0-12	3000/500	620-2090	1150	900	1200 x 400 x 35	175	290	301	335	955	3A
HBR30-A0-14	3000/500	620-2090	1150	900	1400 x 400 x 35	175	290	318	335	974	3A
HBR30-B0-12	3000/500	520-1990	1250	900	1200 x 400 x 35	175	290	310	335	966	3A
HBR30-B0-14	3000/500	520-1990	1250	900	1400 x 400 x 35	175	290	332	335	985	3A
HBR30-C0-12	3000/500	640-2300	1320	900	1200 x 400 x 35	175	290	315	335	999	3A
HBR30-C0-14	3000/500	640-2300	1320	900	1400 x 400 x 35	175	290	339	335	1019	3A
HBR35-A0-12	3500/500	430-1730	1150	1050	1200 x 400 x 35	170	305	302	330	1028	3A
HBR35-A0-14	3500/500	430-1730	1150	1050	1400 x 400 x 35	170	305	316	330	1048	3A
HBR35-B0-12	3500/500	690-2420	1320	1050	1200 x 400 x 35	170	305	306	330	1073	3A
HBR35-B0-14	3500/500	690-2420	1320	1050	1400 x 400 x 35	170	305	329	330	1094	3A
HBR35-C0-12	3500/500	560-2290	1450	1050	1200 x 400 x 35	170	305	328	330	1092	3A
HBR35-C0-14	3500/500	560-2290	1450	1050	1400 x 400 x 35	170	305	349	330	1121	3A
HBR42-A0-12	4200/500	630-2070	1150	1050	1200 x 450 x 40	165	312	312	330	1135	3A
HBR42-A0-14	4200/500	630-2070	1150	1050	1400 x 450 x 40	165	312	339	330	1165	3A
HBR42-A0-16	4200/500	630-2070	1150	1050	1600 x 450 x 40	165	312	405	330	1203	3A
HBR42-B0-12	4200/500	590-2160	1320	1050	1200 x 450 x 40	165	312	335	330	1160	3A
HBR42-B0-14	4200/500	590-2160	1320	1050	1400 x 450 x 40	165	312	359	330	1190	3A
HBR42-B0-16	4200/500	590-2160	1320	1050	1600 x 450 x 40	165	312	415	330	1230	3A
HBR42-C0-12	4200/500	680-2500	1450	1050	1200 x 450 x 40	165	312	360	330	1277	3A
HBR42-C0-14	4200/500	680-2500	1450	1050	1400 x 450 x 40	165	312	385	330	1218	3A
HBR42-C0-16	4200/500	680-2500	1450	1050	1600 x 450 x 40	165	312	470	330	1255	3A

*** Opening range measured across arm tips**

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Gripper teeth

Wear strips under arms

Wear strips under frame

Frame bumper

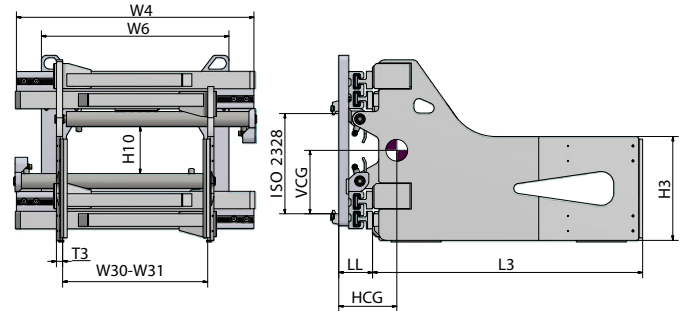
Available on request

- Different arm dimensions
- Class B mounting arms
- Waste paper box arm models

- See this attachment in action



Bale clamp with rubber-faced arms



Technical data

- W6 - Minimal width lift truck carriage
- With integrated sideshifter

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HBG10-A0T-09	1000/500	410-1550	950	750	900 x 400 x 25	195	175	221	208	400	2A
HBG10-A0T-10	1000/500	410-1550	950	750	1000 x 400 x 25	195	175	271	208	420	2A
HBG10-A1T-09	1000/500	510-1720	950	750	900 x 400 x 25	195	175	223	208	405	2A
HBG10-A1T-10	1000/500	510-1720	950	750	1000 x 400 x 25	195	175	273	208	425	2A
HBG14-A0T-09	1400/500	510-1750	950	750	900 x 400 x 25	195	175	243	216	420	2A
HBG14-A0T-10	1400/500	510-1750	950	750	1000 x 400 x 25	195	175	292	216	427	2A
HBG14-B0T-09	1400/500	410-1650	1050	750	900 x 400 x 25	195	175	237	216	420	2A
HBG14-B0T-10	1400/500	410-1650	1050	750	1000 x 400 x 25	195	175	286	216	440	2A
HBG14-C0T-09	1400/500	530-1850	1150	750	900 x 400 x 25	195	175	233	216	419	2A
HBG14-C0T-10	1400/500	520-1840	1150	750	1000 x 400 x 25	195	175	283	216	439	2A
HBG14-C1T-09	1400/500	320-1450	1150	750	900 x 400 x 25	195	175	234	216	416	2A
HBG14-C1T-10	1400/500	320-1440	1150	750	1000 x 400 x 25	195	175	284	216	436	2A
HBG18-A0T-10	1800/500	520-1740	950	750	1000 x 400 x 30	185	175	258	221	437	2A
HBG18-A0T-12	1800/500	520-1740	950	750	1200 x 400 x 30	185	175	305	221	469	2A
HBG18-B0T-10	1800/500	410-1640	1050	750	1000 x 400 x 30	185	175	251	221	448	2A
HBG18-B0T-12	1800/500	410-1640	1050	750	1200 x 400 x 30	185	175	295	221	483	2A
HBG18-C0T-10	1800/500	540-1940	1150	750	1000 x 400 x 30	185	175	245	221	457	2A
HBG18-C0T-12	1800/500	540-1940	1150	750	1200 x 400 x 30	185	175	287	221	492	2A
HBG18-D0T-10	1800/500	420-1440	1250	850	1000 x 400 x 30	185	175	241	221	467	2A
HBG18-D0T-12	1800/500	420-1440	1250	850	1200 x 400 x 30	185	175	278	221	503	2A
HBG22-A0T-10	2200/500	530-1760	950	750	1000 x 400 x 30	180	175	251	226	441	2A
HBG22-A0T-12	2200/500	530-1760	950	750	1200 x 400 x 30	180	175	277	226	477	2A
HBG22-B0T-10	2200/500	620-2040	1050	750	1000 x 400 x 30	180	175	246	226	452	2A
HBG22-B0T-12	2200/500	620-2040	1050	750	1200 x 400 x 30	180	175	271	226	487	2A
HBG22-C0T-10	2200/500	520-1940	1150	750	1000 x 400 x 30	180	175	243	226	495	2A
HBG22-C0T-12	2200/500	520-1940	1150	750	1200 x 400 x 30	180	175	267	226	497	2A
HBG22-D0T-10	2200/500	530-2060	1250	850	1000 x 400 x 30	180	175	240	226	471	2A
HBG22-D0T-12	2200/500	530-2060	1250	850	1200 x 400 x 30	180	175	263	226	507	2A
HBG26-A0T-10	2600/500	510-1820	1050	750	1000 x 400 x 30	180	177	267	241	458	2A

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HBG26-A0T-12	2600/500	510-1820	1050	750	1200 x 400 x 30	180	177	276	241	490	2A
HBG26-B0T-10	2600/500	630-2140	1150	750	1000 x 400 x 30	180	177	261	241	467	2A
HBG26-B0T-12	2600/500	630-2140	1150	750	1200 x 400 x 30	180	177	270	241	499	2A
HBG26-C0T-10	2600/500	490-1880	1250	850	1000 x 400 x 30	180	177	257	241	708	2A
HBG26-C0T-12	2600/500	490-1880	1250	850	1200 x 400 x 30	180	177	265	241	738	2A
HBG26-D0T-10	2600/500	630-2280	1320	850	1000 x 400 x 30	180	177	247	241	728	2A
HBG26-D0T-12	2600/500	630-2280	1320	850	1200 x 400 x 30	180	177	256	241	758	2A
HBG30-A0T-12	3000/500	570-2030	1150	850	1200 x 400 x 35	175	203	308	251	758	3A
HBG30-A0T-14	3000/500	570-2030	1150	850	1400 x 400 x 35	175	203	350	251	778	3A
HBG30-B0T-12	3000/500	470-1930	1250	850	1200 x 400 x 35	175	203	301	251	769	3A
HBG30-B0T-14	3000/500	470-1930	1250	850	1400 x 400 x 35	175	203	343	251	789	3A
HBG30-C0T-12	3000/500	600-1900	1320	850	1200 x 400 x 35	175	203	296	251	803	3A
HBG30-C0T-14	3000/500	600-1900	1320	850	1400 x 400 x 35	175	203	336	251	823	3A

* Opening range measured across arm tips

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

Separate sideshifter: 100 + 100 mm for ISO/FEM 3

2 hydraulic functions – Independent arm control

Class 2 or class 3 quick-release lower mountings

Frame bumper

Available on request

- Different arm dimensions
- Class B mounting arms
- Load backrest
- Models without sideshifter
- 360° rotating models

➤ See this attachment in action



Technical data

bale clamps

	Clamping						Sideshifting						Hydraulic functions
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
HB10T - HB22T	80	160	180	15	25	40	130	160	220	4	10	15	2
HB26T	100	160	180	18	25	45	130	160	220	6	12	20	2
HB30T- HB42T	100	160	180	18	25	55	130	160	220	7	14	20	2
HB45T - HB80T	120	160	180	20	25	55	130	160	220	7	14	25	2
HBG10T - HBG22T	80	160	180	15	25	40	130	160	220	4	10	15	2
HBG26T	80	160	180	18	25	45	130	160	220	6	12	20	2
HBG30T	80	160	180	18	25	55	130	160	220	7	14	20	2

	Clamping						Rotating						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
HBR10 - HBR22	80	160	180	15	25	40	130	160	220	20	30	40	2
HBR26	80	160	180	18	25	45	130	160	180	25	40	65	2
HBR30 - HBR42	100	160	180	20	25	55	130	160	180	25	40	65	2

Notes





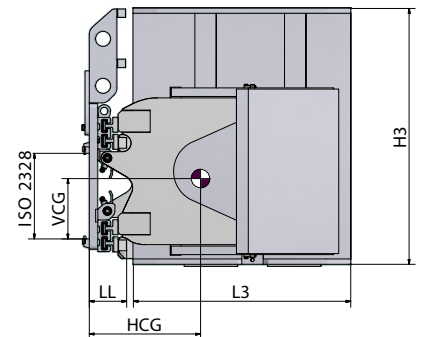
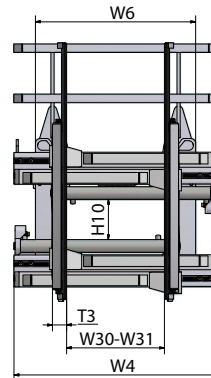
9. Appliance and carton clamps

An appliance and carton clamp is mostly used for handling large electronic appliances, such as washing machines or ovens. By using this attachment, it becomes possible to handle these products safely without any damage to the goods themselves.

Chapter overview

9.1	Appliance and carton clamp - articulating pads	HEA-T	136
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Technical data appliance and carton clamps			141

Appliance and carton clamp articulating pads



Technical data

- W6 - Minimal width lift truck carriage
- Models with integrated sideshifter
- Welded arms

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HEA14-AOT-1012	1400/510	460-1630	950	750	1020 x 1200 x 60	190	145	354	356	626	2A
HEA14-AOT-1212	1170/610	460-1630	950	750	1220 x 1200 x 60	190	145	386	359	660	2A
HEA14-AOT-1312	1080/660	460-1630	950	750	1320 x 1200 x 60	190	175	471	362	685	2A
HEA14-AOT-13712	1040/685	460-1630	950	750	1370 x 1200 x 60	190	145	412	361	690	2A
HEA14-AOT-10137	1400/510	460-1630	950	750	1020 x 1370 x 60	190	145	371	377	652	2A
HEA14-AOT-12137	1170/610	460-1630	950	750	1220 x 1370 x 60	190	145	399	379	687	2A
HEA14-AOT-13137	1080/660	460-1630	950	750	1320 x 1370 x 60	190	145	422	381	704	2A
HEA14-AOT-137137	1040/685	460-1630	950	750	1370 x 1370 x 60	190	145	434	384	717	2A
HEA14-BOT-1012	1400/510	460-1730	1050	750	1020 x 1200 x 60	190	145	342	360	648	2A
HEA14-BOT-1212	1170/610	460-1730	1050	750	1220 x 1200 x 60	190	145	374	362	682	2A
HEA14-BOT-1312	1080/660	460-1730	1050	750	1320 x 1200 x 60	190	145	393	364	699	2A
HEA14-BOT-13712	1040/685	460-1730	1050	750	1370 x 1200 x 60	190	145	401	365	712	2A
HEA14-BOT-10137	1400/510	460-1730	1050	750	1020 x 1370 x 60	190	145	359	375	662	2A
HEA14-BOT-12137	1170/610	460-1730	1050	750	1220 x 1370 x 60	190	145	387	377	697	2A
HEA14-BOT-13137	1080/660	460-1730	1050	750	1320 x 1370 x 60	190	145	411	379	840	2A
HEA14-BOT-137137	1040/685	460-1730	1050	750	1370 x 1370 x 60	190	145	422	380	727	2A
HEA14-COT-1012	1400/510	490-2190	1450	1000	1020 x 1200 x 60	190	145	326	355	678	2A
HEA14-COT-1212	1170/610	490-2190	1450	1000	1220 x 1200 x 60	190	145	360	358	712	2A
HEA14-COT-1312	1080/660	490-2190	1450	1000	1320 x 1200 x 60	190	145	379	360	770	2A
HEA14-COT-13712	1040/685	490-2190	1450	1000	1370 x 1200 x 60	190	145	386	362	741	2A
HEA14-COT-10137	1400/510	490-2190	1450	1000	1020 x 1370 x 60	190	145	344	359	692	2A
HEA14-COT-12137	1170/610	490-2190	1450	1000	1220 x 1370 x 60	190	145	372	361	727	2A
HEA14-COT-13137	1080/660	490-2190	1450	1000	1320 x 1370 x 60	190	145	396	363	743	2A
HEA14-COT-137137	1040/685	490-2190	1450	1000	1370 x 1370 x 60	190	145	408	364	756	2A
HEA18-AOT-1012	1800/510	460-1630	950	750	1020 x 1200 x 60	190	165	351	352	648	2A
HEA18-AOT-1212	1500/610	460-1630	950	750	1220 x 1200 x 60	190	165	383	354	681	2A
HEA18-AOT-1312	1390/660	460-1630	950	750	1320 x 1200 x 60	190	165	401	357	698	2A
HEA18-AOT-13712	1340/685	460-1630	950	750	1370 x 1200 x 60	190	165	408	359	709	2A
HEA18-AOT-10137	1800/510	460-1630	950	750	1020 x 1370 x 60	190	165	367	356	661	2A

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HEA18-A0T-12137	1500/610	460-1630	950	750	1220 x 1370 x 60	190	165	396	357	694	2A
HEA18-A0T-13137	1390/660	460-1630	950	750	1320 x 1370 x 60	190	165	418	359	712	2A
HEA18-A0T-137137	1340/685	460-1630	950	750	1370 x 1370 x 60	190	165	430	360	725	2A
HEA18-B0T-1012	1800/510	460-1730	1050	750	1020 x 1200 x 60	190	165	340	355	655	2A
HEA18-B0T-1212	1500/610	460-1730	1050	750	1220 x 1200 x 60	190	165	371	357	728	2A
HEA18-B0T-1312	1390/660	460-1730	1050	750	1320 x 1200 x 60	190	165	389	360	732	2A
HEA18-B0T-13712	1340/685	460-1730	1050	750	1370 x 1200 x 60	190	165	397	361	738	2A
HEA18-B0T-10137	1800/510	460-1730	1050	750	1020 x 1370 x 60	190	165	356	356	671	2A
HEA18-B0T-12137	1500/610	460-1730	1050	750	1220 x 1370 x 60	190	165	383	358	706	2A
HEA18-B0T-13137	1390/660	460-1730	1050	750	1320 x 1370 x 60	190	165	407	361	721	2A
HEA18-B0T-137137	1340/685	460-1730	1050	750	1370 x 1370 x 60	190	165	418	362	765	2A
HEA18-C0T-1012	1800/510	490-2190	1450	1000	1020 x 1200 x 60	190	165	322	354	687	2A
HEA18-C0T-1212	1500/610	490-2190	1450	1000	1220 x 1200 x 60	190	165	356	356	721	2A
HEA18-C0T-1312	1390/660	490-2190	1450	1000	1320 x 1200 x 60	190	165	374	357	737	2A
HEA18-C0T-13712	1340/685	490-2190	1450	1000	1370 x 1200 x 60	190	165	384	358	750	2A
HEA18-C0T-10137	1800/510	490-2190	1450	1000	1020 x 1370 x 60	190	165	341	357	750	2A
HEA18-C0T-12137	1500/610	490-2190	1450	1000	1220 x 1370 x 60	190	165	369	359	785	2A
HEA18-C0T-13137	1390/660	490-2190	1450	1000	1320 x 1370 x 60	190	165	393	361	800	2A
HEA18-C0T-137137	1340/685	490-2190	1450	1000	1370 x 1370 x 60	190	165	404	362	813	2A

* Opening range measured across arm tips

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

2 hydraulic functions - Independent arm control

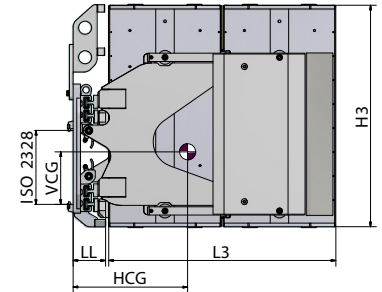
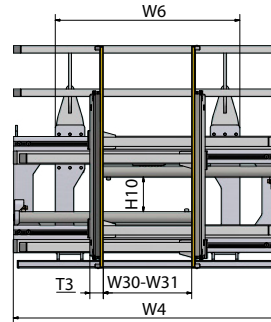
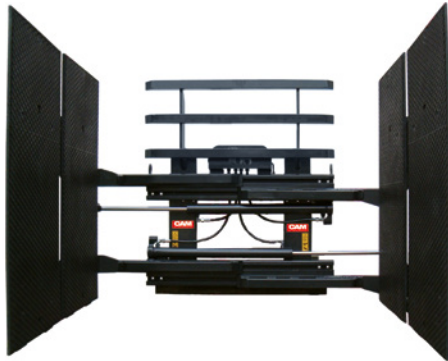
Class 2 quick-release lower mountings

Flow divider

Available on request

- > Different contact pads
- > Other opening ranges
- > Models without sideshifter

Appliance and carton clamp triple articulating pads



Technical data

- W6 - Minimal width lift truck carriage
- Models with integrated sideshifter
- Welded arms

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HED14-AOT-1012	1400/510	440-1610	950	750	1020 x 1200 x 60	190	145	354	328	698	2A
HED14-AOT-1212	1170/610	440-1610	950	750	1220 x 1200 x 60	190	145	386	333	736	2A
HED14-AOT-1312	1080/660	440-1610	950	750	1320 x 1200 x 60	190	145	405	335	753	2A
HED14-AOT-13712	1040/685	440-1610	950	750	1370 x 1200 x 60	190	145	412	335	766	2A
HED14-AOT-10137	1400/510	440-1610	950	750	1020 x 1370 x 60	190	145	371	328	672	2A
HED14-AOT-12137	1170/610	440-1610	950	750	1220 x 1370 x 60	190	145	399	333	707	2A
HED14-AOT-13137	1080/660	440-1610	950	750	1320 x 1370 x 60	190	145	422	335	724	2A
HED14-AOT-137137	1040/685	440-1610	950	750	1370 x 1370 x 60	190	145	434	335	737	2A
HED14-BOT-1012	1400/510	440-1710	1050	750	1020 x 1200 x 60	190	145	342	338	668	2A
HED14-BOT-1212	1170/610	440-1710	1050	750	1220 x 1200 x 60	190	145	374	340	702	2A
HED14-BOT-1312	1080/660	440-1710	1050	750	1320 x 1200 x 60	190	145	393	343	719	2A
HED14-BOT-13712	1040/685	440-1710	1050	750	1370 x 1200 x 60	190	145	401	343	732	2A
HED14-BOT-10137	1400/510	440-1710	1050	750	1020 x 1370 x 60	190	145	359	338	682	2A
HED14-BOT-12137	1170/610	440-1710	1050	750	1220 x 1370 x 60	190	145	387	340	717	2A
HED14-BOT-13137	1080/660	440-1710	1050	750	1320 x 1370 x 60	190	145	411	343	734	2A
HED14-BOT-137137	1040/685	440-1710	1050	750	1370 x 1370 x 60	190	145	422	343	747	2A
HED14-COT-1012	1400/510	470-2170	1450	1000	1020 x 1200 x 60	190	145	326	325	698	2A
HED14-COT-1212	1170/610	470-2170	1450	1000	1220 x 1200 x 60	190	145	360	328	732	2A
HED14-COT-1312	1080/660	470-2170	1450	1000	1320 x 1200 x 60	190	145	379	333	749	2A
HED14-COT-13712	1040/685	470-2170	1450	1000	1370 x 1200 x 60	190	145	386	335	761	2A
HED14-COT-10137	1400/510	470-2170	1450	1000	1020 x 1370 x 60	190	145	344	325	712	2A
HED14-COT-12137	1170/610	470-2170	1450	1000	1220 x 1370 x 60	190	145	372	328	747	2A
HED14-COT-13137	1080/660	470-2170	1450	1000	1320 x 1370 x 60	190	145	396	333	763	2A
HED14-COT-137137	1040/685	470-2170	1450	1000	1370 x 1370 x 60	190	145	408	335	776	2A
HED18-AOT-1012	1800/510	440-1610	950	750	1020 x 1200 x 60	190	165	351	325	668	2A
HED18-AOT-1212	1500/610	440-1610	950	750	1220 x 1200 x 60	190	165	383	328	701	2A
HED18-AOT-1312	1390/660	440-1610	950	750	1320 x 1200 x 60	190	165	401	330	718	2A
HED18-AOT-13712	1340/685	440-1610	950	750	1370 x 1200 x 60	190	165	408	333	729	2A
HED18-AOT-10137	1800/510	440-1610	950	750	1020 x 1370 x 60	190	165	367	335	681	2A

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HED18-A0T-12137	1500/610	440-1610	950	750	1220 x 1370 x 60	190	165	396	340	714	2A
HED18-A0T-13137	1390/660	440-1610	950	750	1320 x 1370 x 60	190	165	418	343	732	2A
HED18-A0T-137137	1340/685	440-1610	950	750	1370 x 1370 x 60	190	165	430	343	745	2A
HED18-B0T-1012	1800/510	440-1710	1050	750	1020 x 1200 x 60	190	165	340	328	675	2A
HED18-B0T-1212	1500/610	440-1710	1050	750	1220 x 1200 x 60	190	165	371	333	711	2A
HED18-B0T-1312	1390/660	440-1710	1050	750	1320 x 1200 x 60	190	165	389	335	728	2A
HED18-B0T-13712	1340/685	440-1710	1050	750	1370 x 1200 x 60	190	165	397	338	741	2A
HED18-B0T-10137	1800/510	440-1710	1050	750	1020 x 1370 x 60	190	165	356	333	691	2A
HED18-B0T-12137	1500/610	440-1710	1050	750	1220 x 1370 x 60	190	165	383	338	726	2A
HED18-B0T-13137	1390/660	440-1710	1050	750	1320 x 1370 x 60	190	165	407	340	741	2A
HED18-B0T-137137	1340/685	440-1710	1050	750	1370 x 1370 x 60	190	165	418	343	754	2A
HED18-C0T-1012	1800/510	470-2170	1450	1000	1020 x 1200 x 60	190	165	322	328	707	2A
HED18-C0T-1212	1500/610	470-2170	1450	1000	1220 x 1200 x 60	190	165	356	328	741	2A
HED18-C0T-1312	1390/660	470-2170	1450	1000	1320 x 1200 x 60	190	165	374	330	757	2A
HED18-C0T-13712	1340/685	470-2170	1450	1000	1370 x 1200 x 60	190	165	384	330	770	2A
HED18-C0T-10137	1800/510	470-2170	1450	1000	1020 x 1370 x 60	190	165	341	333	720	2A
HED18-C0T-12137	1500/610	470-2170	1450	1000	1220 x 1370 x 60	190	165	369	340	756	2A
HED18-C0T-13137	1390/660	470-2170	1450	1000	1320 x 1370 x 60	190	165	393	340	771	2A
HED18-C0T-137137	1340/685	470-2170	1450	1000	1370 x 1370 x 60	190	165	404	343	784	2A
HED18-D0T-13152	1400/650	560-2200	1350	1000	1320 x 1520 x 60	190	175	480	467	960	2A

* Opening range measured across arm tips

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

2 hydraulic functions - Independent arm control

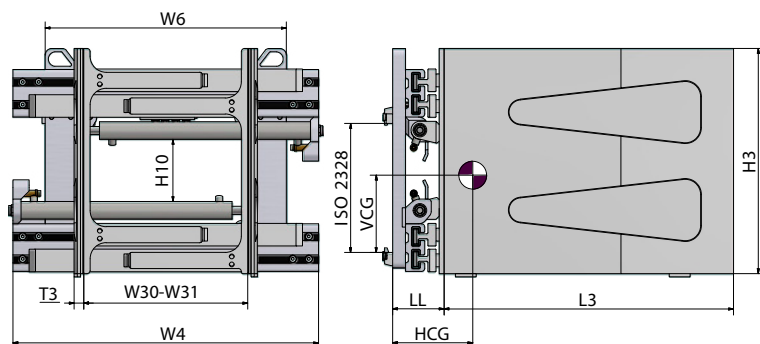
Class 2 quick-release lower mountings

Flow divider

Available on request

- › Different contact pads
- › Other opening ranges
- › Models without sideshifter

Appliance and carton clamp rigid pads



Technical data

- W6 - Minimal width lift truck carriage
- Models with integrated sideshifter
- Welded arms

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HEF08-A0T-07	800/500	480-1620	950	750	700 x 700 x 25	195	140	217	231	345	2A
HEF08-B0T-07	800/500	480-1710	1050	750	700 x 700 x 25	195	140	213	226	359	2A
HEF08-A0T-09	800/500	480-1620	950	750	900 x 700 x 25	195	140	283	249	397	2A
HEF08-B0T-09	800/500	480-1710	1050	750	900 x 700 x 25	195	140	277	246	415	2A

* Opening range measured across arm tips

Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

2 hydraulic functions - Independent arm control

Class 2 quick-release lower mountings

Flow divider

Available on request

- Different contact pads
- Other opening ranges
- Load backrest
- Models without sideshifter

Technical data

appliance and carton clamps

	Clamping						Sideshifting						Hydraulic functions
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
HEA-T	60	160	180	15	25	45	130	160	220	7	14	20	2
HED-T	60	160	180	15	25	45	130	160	220	7	14	20	2
HEF-T	60	160	180	15	25	45	130	160	220	7	14	20	2





10. Concrete block clamps

Our concrete block clamps are specially designed to handle concrete blocks without the use of pallets. The clamping arms contain a unique rubber cushion that adjusts perfectly to the irregular profile of a concrete block or a stack of bricks.

Chapter overview

10.1	Concrete block clamp - self-compensating arm pads	HC	144
10.2	Concrete block clamp - articulated arm pads	HCA	146
Technical data concrete block clamps			148

Concrete block clamp self-compensating arm pads



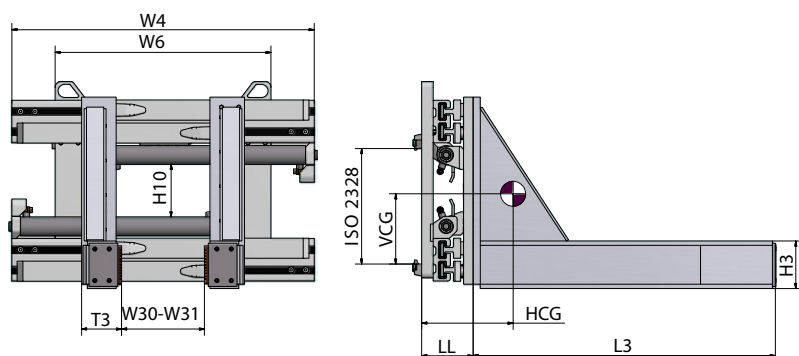
Our HC concrete block clamp is the result of an innovative technical process. You'll find this clamp is ideal for handling loads with irregular profiles, such as concrete blocks or stacks of bricks.

Advantages:

The clamping surface on each arm contains a row of freely moving, small polyurethane blocks. They push against a unique cushion, made of a sealed rubber chamber filled with liquid. This chamber causes the row of contact blocks to self-regulate so they always adjust perfectly to the irregular profile of a concrete block or a stack of bricks.

Characteristics

1. Load touches the clamping arm
2. Blocks hit the cushion with fluid
3. Fluid compensates with forward pressure
4. Unique valve block with retaining valve and maximum pressure valve
5. Screw regulators on the arm cylinders to ensure synchronised arm movement
6. Extruded steel profiles grant high capacity while keeping the body thickness (LL) at a minimum
7. Full body width plastic bushes





Technical data

- W6 - Minimal width lift truck carriage
- Self-compensating polyurethane arm pads
- Without sideshifter
- Bolted arms

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
HC18-A0-10	1800/500	250-1440	1050	750	1000 x 160 x 135	185	135	275	206	515	2A
HC22-A0-10	2200/500	350-1770	1150	750	1000 x 160 x 135	180	135	270	200	535	2A
HC22-A0-12	2200/500	350-1770	1150	750	1200 x 160 x 135	180	135	316	200	555	2A
HC26-A0-10	2600/500	350-1770	1150	750	1000 x 160 x 135	180	137	267	198	555	2A
HC26-A0-12	2600/500	350-1770	1150	750	1200 x 160 x 135	180	137	314	198	575	2A
HC30-A0-12	3000/500	350-1940	1320	850	1200 x 160 x 135	175	215	312	206	768	3A
HC35-A0-12	3500/500	360-1940	1320	850	1200 x 160 x 135	175	215	305	207	810	3A

* Opening range measured across arm tips

Options

- 2 hydraulic functions – Integrated sideshifter
- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- Separate sideshifter: 100 + 100 mm for ISO/FEM 3
- 2 hydraulic functions – Independent arm control
- Class 2 or class 3 quick-release lower mountings

Available on request

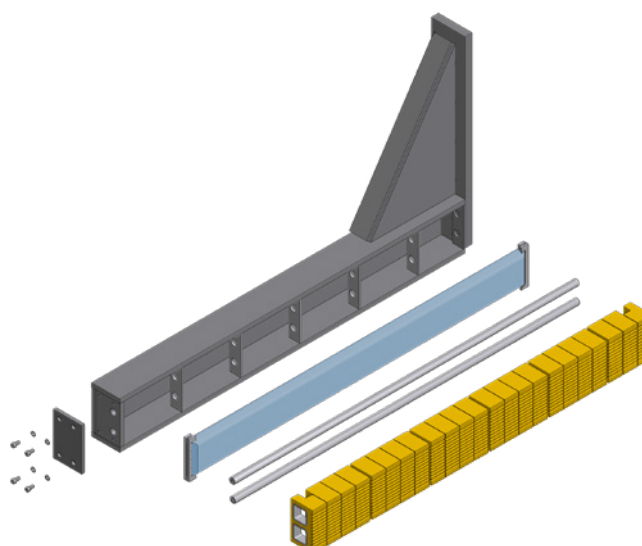
- Different arm dimensions

➤ See this attachment in action



Benefits of this system:

1. The hardness of the polyurethane contact blocks provides maximum durability, even in rough conditions.
2. The self-regulating system with cushions always provides optimal grip on the load, regardless of its profile. The contact blocks automatically position themselves along the irregular surface. This is superior to systems that use a single pivoting without really adjusting to the load profile.
3. The clamping surface on the arms is composed of multiple small contact blocks. You're able to simply replace the worn blocks (usually the ones on the extremities) or to interchange them, reducing your parts and maintenance costs.
4. This simple system is based on the principle of the communicating vessels. It is composed of separate components: 1 sealed cushion and multiple polyurethane contact blocks per arm. Because there is no hydraulic or mechanical circuit, the system is highly durable while maintenance is very simple and easily performed: just keep the contact blocks clean by removing any stone dust. The risk of damage is lower than with a more complicated system.
5. Each arm consists of a unique steel body. It grants high rigidity, high durability and high resistance to impact as well as optimal clamping action. The clamp is ideal for heavy-duty work.



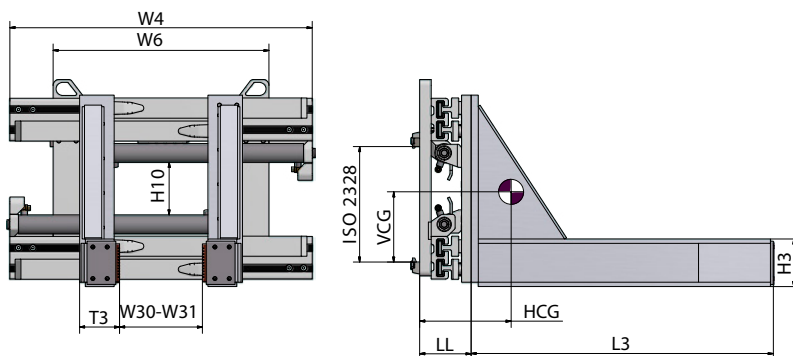
Concrete block clamp articulated arm pads



The special tilting movement system ensures excellent load-handling by the HCA model. The strong body structure heightens the capacity range of the attachments.

Characteristics

1. The load touches the clamping arms
2. The rubber pads adjust to the load





Technical data

- W6 - Minimal width lift truck carriage
- Articulated polyurethane arm pads
- Without sideshifter
- Bolted arms

Model	Capacity	W30-W31*	W4	W6	Arms L3 x H3 x T3	H10	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	kg-mm	mm	mm	mm	mm	mm	mm	mm	kg	
HCA18-A0-10	1800/500	250-1440	1050	750	1000 x 120 x 145	185	135	275	206	530	2A
HCA22-A0-10	2200/500	350-1770	1150	750	1000 x 120 x 145	180	135	270	200	535	2A
HCA22-A0-12	2200/500	350-1770	1150	750	1200 x 120 x 145	180	135	316	200	555	2A
HCA26-A0-10	2600/500	350-1770	1150	750	1000 x 120 x 145	180	137	267	198	615	2A
HCA26-A0-12	2600/500	350-1770	1150	750	1200 x 120 x 145	180	137	314	198	635	2A
HCA30-A0-12	3000/500	350-1940	1320	850	1200 x 240 x 145	175	215	312	206	768	3A
HCA35-A0-12	3500/500	360-1940	1320	850	1200 x 240 x 145	175	215	305	207	810	3A

* Opening range measured across arm tips

Options

- 2 hydraulic functions – Integrated sideshifter
- Separate sideshifter: 100 + 100 mm for ISO/FEM 2
- Separate sideshifter: 100 + 100 mm for ISO/FEM 3
- 2 hydraulic functions – Independent arm control
- Class 2 or class 3 quick-release lower mountings

Available on request

- Different arm dimensions

- See this attachment in action



Technical data

concrete block clamps

	Clamping						Sideshifting						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
HC18 - HC22	80	160	180	15	25	45	-	-	-	-	-	-	1
HC26	80	160	180	15	25	45	-	-	-	-	-	-	1
HC30 - HC35	80	160	180	15	25	45	-	-	-	-	-	-	1
HCA18 - HCA22	80	160	180	15	25	45	-	-	-	-	-	-	1
HCA26	80	160	180	15	25	45	-	-	-	-	-	-	1
HCA30 - HCA35	80	160	180	15	25	45	-	-	-	-	-	-	1

Notes





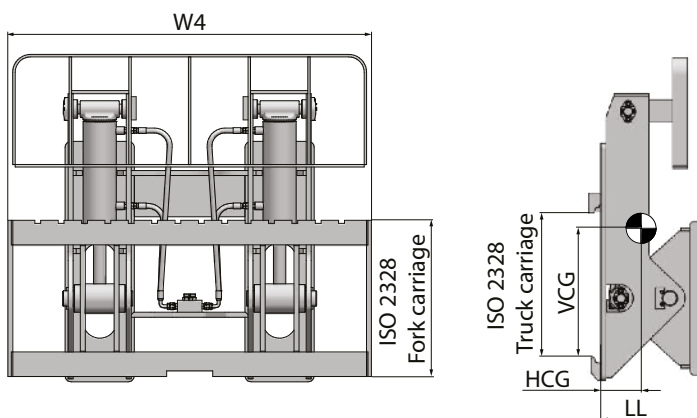
11. Hinged carriages

Hinged fork carriages are widely used in the wood, metal and livestock industries, and for architecture & construction. They are designed primarily for tilting forwards, but the hinged forks can also be conveniently used for handling loads on pallets.

Chapter overview

11.1	Hinged carriages	ZHF	152
	Technical data - hinged carriages		154

Hinged carriages



A hinged carriage helps you to safely tip bulk cargo containers. You can fit this attachment with a bucket to shovel bulk goods such as sand, coal, grain, fertiliser, sods, blocks, etc. It's designed with abrasion and cut resistance for optimum use and a long lifespan. Transport your goods with less need to worry about incurring damage.

Characteristics

1. High-strength, all-steel structure design that is highly efficient, even when operated continuously.
2. E-slot in the framework to improve the overall stability of the product and extend its lifespan.
3. Extremely durable, thanks to the highest quality hydraulic components.
4. Excellent visibility.
5. Rugged yet lightweight construction.
6. Fast arm opening speeds that use less energy.
7. High nett capacity.



Technical data

> Standard bushings

Model	Capacity	W4	Tilt Forward A7	Tilt Backward A8	LL	HCG	VCG	Weight	ISO 2328 Truck carriage	ISO 2328 Fork carriage
	kg/mm	mm	°	°	mm	mm	mm	kg		
ZHF15-970A	1500/500	970	45	25	341	144	378	276	2	2
ZHF25-1040A	2500/500	1040	45	25	341	144	380	288	2	2
ZHF30-1180B	3000/500	1182	45	25	341	153	379	318	3	3
ZHF45-1330B	4500/600	1332	45	25	350	154	367	419	3	3
ZHF50-1300C	5000/600	1300	45	25	445	190	446	654	3	3
ZHF50-1530C	5000/600	1530	45	25	445	198	440	680	4	4
ZHF50-1700C	5000/600	1700	45	25	445	203	436	695	4	4

Attachment not recommended for clamping between forks

Available on request

> Copper bushings with nipple

Technical data

hinged carriages

	Positioning						Sideshifting						Hydraulic Functions
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
ZHF15 - ZHF50	35	140	160	19	38	57	-	-	-	-	-	-	2

Notes





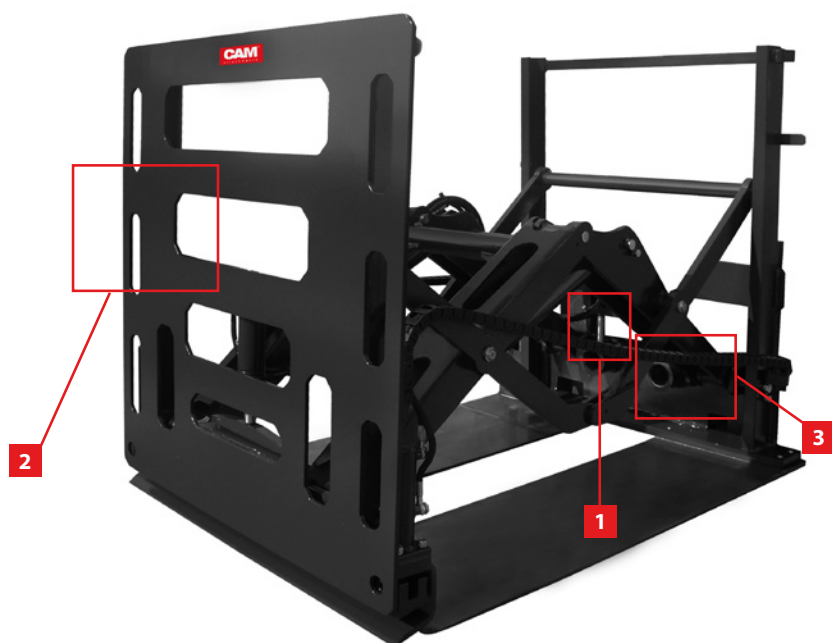
12. Push-pulls

Push-pulls allow you to handle goods with slip sheets instead of wooden pallets. Substituting a wooden pallet with an inexpensive slip sheet helps you maximise storage area, minimise maintenance costs, and forget about stock being damaged by old and worn pallets.

Chapter overview

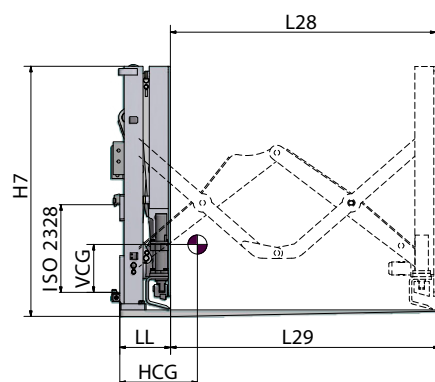
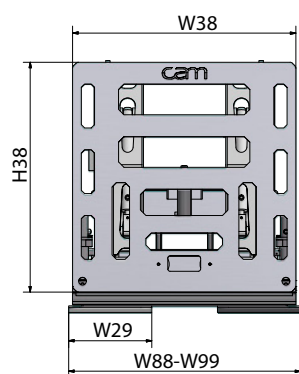
12.1	Push-pull	PP	158
12.2	Push-pull fork-mounted	PP-I	160
12.3	Load push	LP	161
12.4	Load push fork-mounted	LP-I	162
Technical data - push-pulls			163

Push-pull



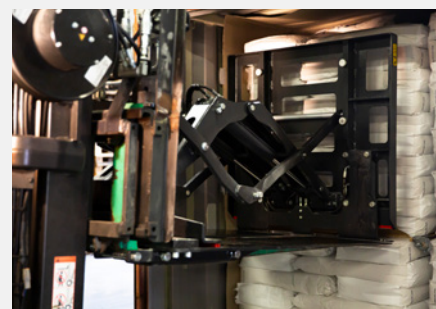
The push-pull is a forklift attachment designed to move goods that aren't placed on pallets. By using a sheet instead of a pallet, you reduce packaging costs and allow move a greater volume of goods in every truck or container. On top of this, sheets help you optimise the use of your warehousing space. The slip-sheet retainer option allows the sheets of paper, carton or plastic that are placed below the load to be re-used. This attachment is often used in construction, industry and food & beverage environments.

The push-pull helps you to embrace safety. The strong structure offers increased strength. It also optimises forklift driver visibility in both retracted and extended push-pull positions. It even offers extra protection to all the delicate hydraulic components. Furthermore, this handling solution is easy to install. You can choose install it onto the carriage or onto the forklift forks. This second version is ideal for companies that cannot justify the use of a dedicated forklift truck just for the handling of goods on sheets.



Characteristics

1. Very strong structure and powerful cylinder
2. Maximum visibility for the forklift driver in both retracted and extended positions
3. Rubber profile protects all the delicate hydraulic components
4. Fast and easy mounting onto the carriage or on the forks, thanks to an extremely quick and effective fitting system





Technical data

> Hook-on model

Model	Capacity	W88-W99	W38	H38	L28	L29	W29	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
Without sheet retainer													
PP1612	1600/600	860-1060	1000	1050	1270	1220	380	1140	230	232	208	640	2A
PP2012	2000/600	860-1060	1000	1050	1270	1220	380	1140	230	225	205	650	2A
With sheet retainer													
PP1612S	1600/600	860-1060	1000	1050	1270	1220	380	1140	235	262	216	660	2A
PP2012S	2000/600	860-1060	1000	1050	1270	1220	380	1140	235	281	218	675	2A

Please let us know your lift truck voltage when placing your order.

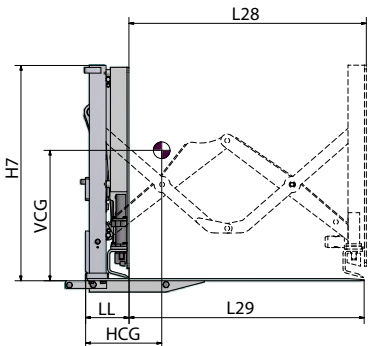
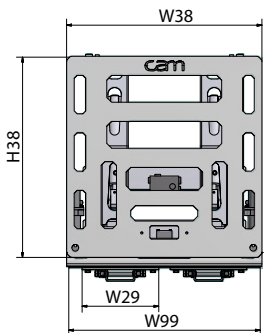
Options

Separate sideshifter: 100 + 100 mm for ISO/FEM 2

> See this attachment in action



Push-pull fork-mounted



Technical data

> Fork-mounted model

Model	Capacity	W99	W38	H38	L28	L29	W29	H7	LL	HCG	VCG	Weight
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
Without sheet retractor												
PP1612I	1600/600	1000	1000	1050	1270	1220	400	1140	230	225	312	558
PP2012I	2000/600	1000	1000	1050	1270	1220	400	1140	230	219	312	568
With sheet retractor												
PP1612IS	1600/600	1000	1000	1050	1270	1220	400	1140	235	239	320	620
PP2012IS	2000/600	1000	1000	1050	1270	1220	400	1140	235	226	322	640

Standard slip-on for fork sections measuring 120 x 40 mm and 120 x 45 mm
Please let us know your lift truck voltage when placing your order.

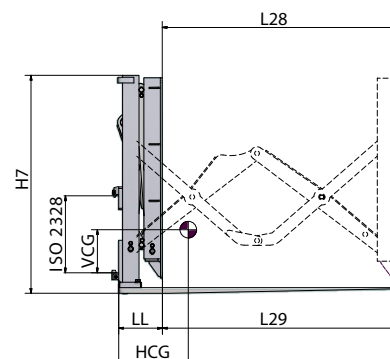
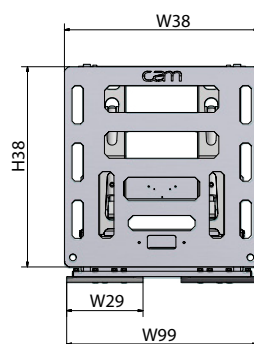
Available on request

> Slip-on for other fork sections

> See this attachment in action



Load push



Technical data

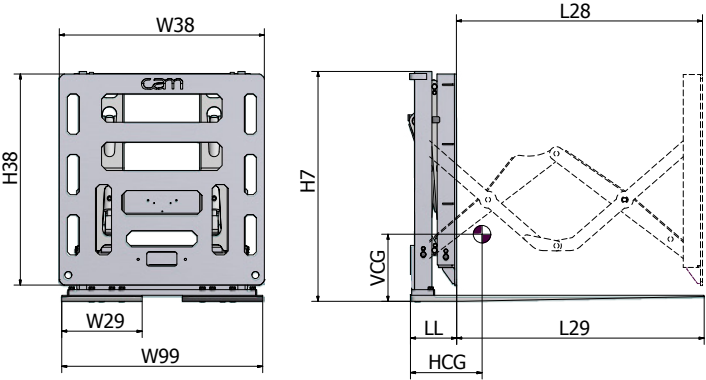
> Hook-on model

Model	Capacity	W99	W38	H38	L28	L29	W29	H7	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
LP1612	1600/600	1000	1000	1050	1270	1220	400	1140	210	239	265	540	2A
LP2012	2000/600	1000	1000	1050	1270	1220	400	1140	210	235	272	563	2A

Options

Hook-on model separate sideshifter: 100 + 100 mm for ISO/FEM 2

Load push
fork-mounted



Technical data

> Fork-mounted model

Model	Capacity	W99	W38	H38	L28	L29	W29	H7	LL	HCG	VCG	Weight
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
LP1612L	1600/600	1000	1000	1050	1270	1220	400	1140	210	282	292	495
LP2012L	2000/600	1000	1000	1050	1270	1220	400	1140	210	274	284	520

Technical data

push-pulls

Positioning							
Model	Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recommended	Maximum	Minimum	Recommended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	
PP	130	160	180	18	25	40	1
PP-I	130	160	180	18	25	40	1
LP	130	160	180	18	25	40	1
LP-I	130	160	180	18	25	40	1





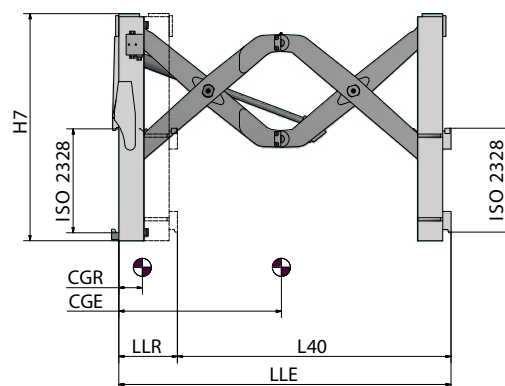
13. Load extenders and stabilisers

Load extenders make it possible to place your load further than you would otherwise reach. You'll handle unstable loads safely and efficiently with a load stabiliser.

Chapter overview

13.1	Load extender	ES	168
13.2	Load stabiliser	SCA	169
	Technical data load extenders and stabilisers		170

Load extender

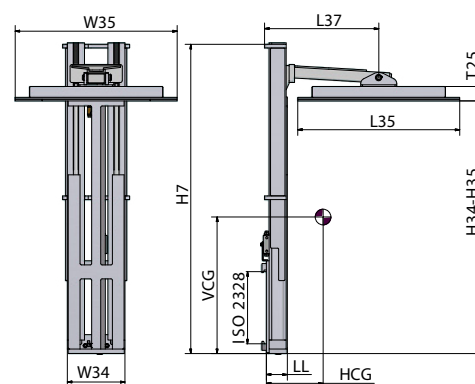


Technical data

- > 2-function Model T with separate: 100 + 100 mm sideshifter
- > Without forks

Model	Capacity retracted	Capacity extended	L40	H7	LLR	CGR	LLE	CGE	VCG	Weight	ISO 2328
	kg/mm	kg/mm	mm	mm	mm	mm	mm	mm	mm	kg	
ES1513	3000/500	1500/500	1300	1030	300	135	1600	785	542	620	3A
ES1513T	3000/500	1500/500	1300	1030	335	143	1600	795	527	625	3A

Load stabiliser



Technical data

➤ Dimensions in relation to the floor

Model	H34-H35	W34	L37	H7	L35 x W35 x T25	LL	HCG	VCG	Weight	ISO 2328
	mm	mm	mm	mm	mm	mm	mm	mm	kg	
Standard model										
SCA100.0909	1130-2110	320	620	1430	900 x 900 x 65	96	290	787	255	2
SCA100.0910	1130-2110	320	620	1430	900 x 1000 x 65	96	330	777	260	2
SCA100.1010	1130-2110	320	670	1430	1000 x 1000 x 65	96	365	792	275	2
SCA100.1012	1130-2110	320	670	1430	1000 x 1200 x 65	96	405	815	280	2
SCA100.1212	1130-2110	320	770	1430	1200 x 1200 x 65	96	450	815	300	2
SCA130.0909	1400-2650	320	620	1700	900 x 900 x 65	96	273	894	285	2
SCA130.0910	1400-2650	320	620	1700	900 x 1000 x 65	96	313	897	292	2
SCA130.1010	1400-2650	320	670	1700	1000 x 1000 x 65	96	348	907	305	2
SCA130.1012	1400-2650	320	670	1700	1000 x 1200 x 65	96	388	919	325	2
SCA130.1212	1400-2650	320	770	1700	1200 x 1200 x 65	96	433	935	355	2
Reinforced model										
SCA120.0909	1130-2110	320	620	1430	900 x 900 x 65	126	229	787	335	2
SCA120.0910	1130-2110	320	620	1430	900 x 1000 x 65	126	214	777	340	2
SCA120.1010	1130-2110	320	670	1430	1000 x 1000 x 65	126	191	792	350	2
SCA120.1012	1130-2110	320	670	1430	1000 x 1200 x 65	126	172	815	375	2
SCA120.1212	1130-2110	320	770	1430	1200 x 1200 x 65	126	148	815	395	2
SCA150.0909	1400-2650	320	620	1700	900 x 900 x 65	126	208	894	355	2
SCA150.0910	1400-2650	320	620	1700	900 x 1000 x 65	126	190	936	375	2
SCA150.1010	1400-2650	320	670	1700	1000 x 1000 x 65	126	169	907	370	2
SCA150.1012	1400-2650	320	670	1700	1000 x 1200 x 65	126	152	919	395	2
SCA150.1212	1400-2650	320	770	1700	1200 x 1200 x 65	126	131	935	425	2

Options

Load backrest

Available on request

- Separate sideshifter: 100 + 100 mm
- Special stroke and different contact plates

Technical data

load extenders and stabilisers

Positioning							
Model	Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recommended	Maximum	Minimum	Recommended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	
ES	130	160	200	15	25	45	1
SCA	130	160	200	12	15	40	1





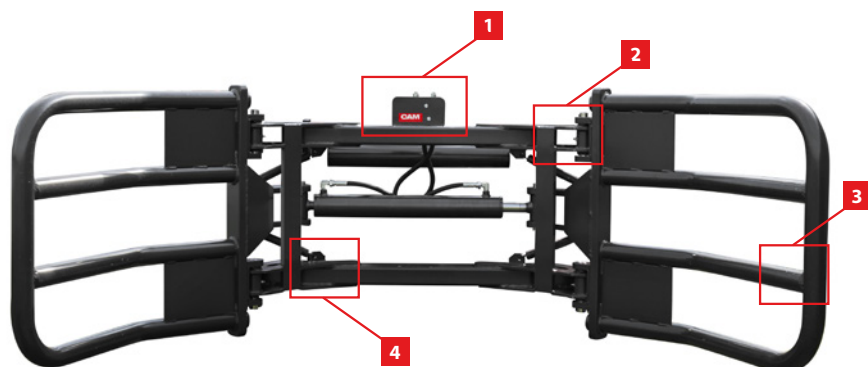
14. Hay clamps

The hay clamp is the ultimate attachment for the agricultural sector. You'll handle hay bales more quickly and efficiently than ever before.

Chapter overview

14.1	Hay clamp	CH	174
	Technical data hay clamps		176

Hay clamp



With its powerful arms and a clamping range of up to 2310 mm, the hay clamp is the perfect tool for handling hay. The slim, light-weight design gives the driver excellent visibility through and over the frame of the clamp. Made in Italy with high-quality materials, the hay clamp is available with JCB, Manitou and Merlo mountings, making it suitable for several different types of machines.

Characteristics

1. Hydraulic circuit complete with protected over-centre valve
2. Hub with plastic wear bushings and grease fitting
3. Powerful, high-performance arms reinforced with a plain steel plate. Attached by chromed pins and secured through an elastic plug
4. Steel clamp body with tubular steel pipe arms
5. Slim and compact structure
6. Reduced frame width for easier storage





Technical data

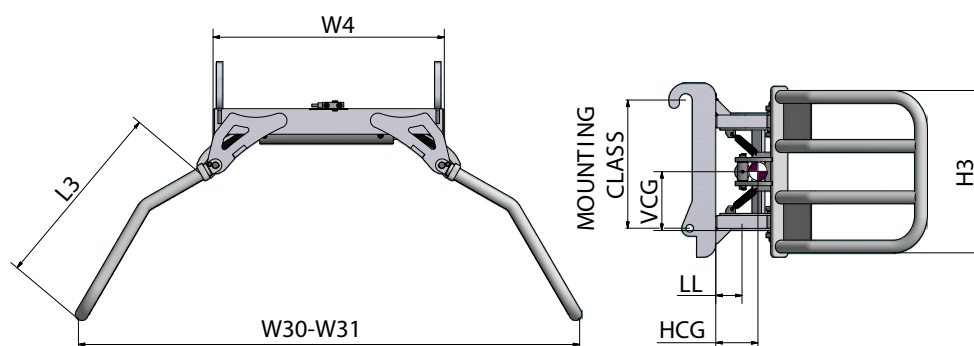
➤ D1-D2: min-max Ø of the wrapped bales

Model	Capacity	D1-D2	W30-W31	W4	L3 x H3	LL	HCG	VCG	Weight	Mounting class
	kg/mm	mm	mm	mm	mm	mm	mm	mm	kg	
CHJ10.135	1000/750	900-2000	100-2310	1080	900 x 760	120	215	270	267	JCB
CHM10.135	1000/750	900-2000	100-2310	1080	900 x 760	120	225	270	256	MANITOU
CHL10.135	1000/750	900-2000	100-2310	1080	900 x 760	120	225	270	253	MERLO

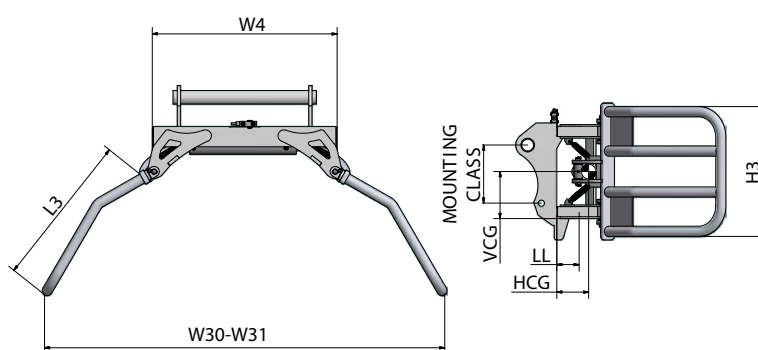
Available on request

➤ Different hooks

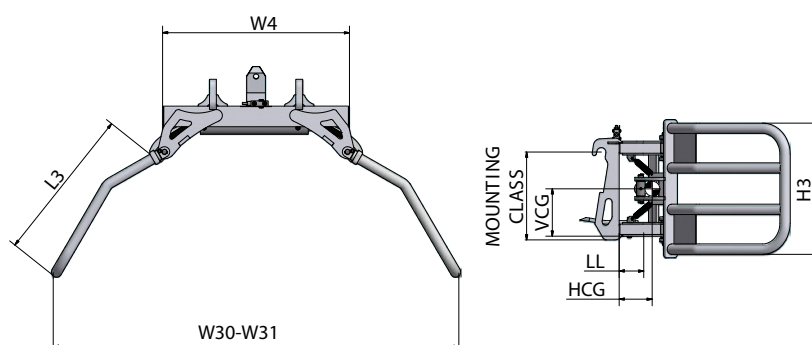
Type CHJ



Type CHM



Type CHL



Technical data

hay clamps

	Clamping						Sideshifting						
Model	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			Hydraulic functions
	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	Minimum	Recom- mended	Maximum	
	bar	bar	bar	l/min	l/min	l/min	bar	bar	bar	l/min	l/min	l/min	
CH	80	160	180	15	25	45	130	160	220	7	14	20	1







15. Bale spears and carriers

Bale spears and carriers are useful agricultural attachments that make life easier at any time. They are both indispensable during the haying season.

Chapter overview

15.1	Bale spear with Euro hooks	BSP	180
15.2	Bale carrier for 3-point hitch	BCR	181

Bale spear with Euro hooks



Technical data

Model	Capacity	Width	CG	Number of tines	Tine length	Weight
	kg	mm	mm		mm	kg
CA99540	2500	1200	36	3	930	110
CA99542	2500	1200	36	5	930	140

Bale carrier for 3-point hitch



Technical data

Model	Capacity	Width	Number of bales	Arm length	3-point hitch	Weight
	kg	mm		mm		kg
CA99544	1000	969-1355	1	1100	Cat 1 and 2	85





16. Carriages

A carriage sits between a Euro and a FEM connection. It allows you to attach all FEM II to attachment. We offer carriages with or without forks.

Chapter overview

16.1	Carriage with Euro hooks	CAR	184
16.2	Carriage with Euro hooks + forks	CAR+FORKS	185

Carriage with Euro hooks



Technical data

Model	Capacity	Width	CG	Weight	ISO
	kg	mm	mm	kg	
CA99536	2500	1200	36	86	2

Carriage with Euro hooks + forks



Technical data

Model	Capacity	Width	CG	Weight	ISO	Forks
	kg	mm	mm	kg		mm
CA99538	2500	1200	36	182	2	100 x 40 x 1100



17. Skips

Tipping skips help you simplify your waste-sorting process. We offer two skip attachments: roll-forward and bottom-emptying skips. Place roll-forward skips strategically throughout your factory to help you keep areas clear of scrap and waste materials. The entire base of a bottom-emptying skips opens and closes, directly from the forklift, allowing waste materials to be quickly, easily and safely dumped.

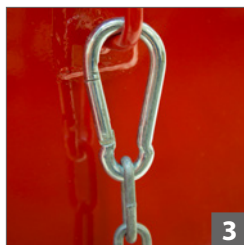
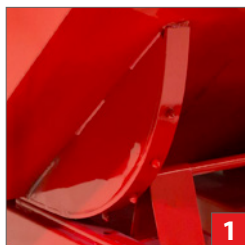
Chapter overview

17.1	Roll-forward skip	KPC	188
17.2	Bottom-emptying skip	BES	190

Roll-forward skip



Roll-forward skips are the industry's best tool for material-handling, waste-sorting and waste-handling. The skips are manufactured in Europe with high-quality materials and components, and are reinforced to ensure high durability and maximum service life, even in environments renowned for rough handling. An automatic emptying system is activated by means of a spring pressure plate on the base frame. On request, our skips are available in powder-coated blue, white, orange, yellow, brown, green, grey and black, based on the colour code for waste sorting and waste handling.



Characteristics

1. Automatic tipping function for a higher level of efficiency
2. Rubber or nylon castors optional
3. Designed to offer maximum safety. Secures to the carriage with a safety chain
4. Reinforced fork sleeve.
5. Reinforced corners to increase the strength and stiffness of the containers
6. European quality





Technical data

Model	Volume	Capacity	Height	Width	Length	Max fork section	Min distance between forks	Weight	Castors
	l	kg	mm	mm	mm	mm	mm	kg	
Powder-coated									
CB92796	320	1500	750	840	1235	230 x 100	160	80	No
CB92806	320	1500	750	840	1235	230 x 100	160	80	Nylon
CB92818	320	1500	750	840	1235	230 x 100	160	80	Rubber
CB92798	520	2000	870	865	1525	230 x 100	160	101	No
CB92808	520	2000	870	865	1525	230 x 100	160	101	Nylon
CB92820	520	2000	870	865	1525	230 x 100	160	101	Rubber
CB92008	765	2000	870	1215	1525	230 x 100	160	122	No
CB92810	765	2000	870	1215	1525	230 x 100	160	122	Nylon
CB92822	765	2000	870	1215	1525	230 x 100	160	122	Rubber
CB92800	1030	2000	1045	1215	1700	230 x 100	160	157	No
CB92812	1030	2000	1045	1215	1700	230 x 100	160	157	Nylon
CB92824	1030	2000	1045	1215	1700	230 x 100	160	157	Rubber
CB92802	1340	2000	1248	1066	2073	230 x 100	160	205	No
CB92814	1340	2000	1248	1066	2073	230 x 100	160	205	Nylon
CB92826	1340	2000	1248	1066	2073	230 x 100	160	205	Rubber
CB92804	1700	2000	1248	1316	2073	230 x 100	560	253	No
CB92816	1700	2000	1248	1316	2073	230 x 100	560	253	Nylon
CB92828	1700	2000	1248	1316	2073	230 x 100	560	253	Rubber
Stainless steel									
BH30526	600	1500	870	855	1525	230 x 95	160	111	No
BH30528	600	1500	870	855	1525	230 x 95	160	111	Nylon
BH30530	600	1500	870	855	1525	230 x 95	160	111	Rubber
BH30532	900	1500	870	1215	1525	230 x 95	160	128	No
BH30534	900	1500	870	1215	1525	230 x 95	160	128	Nylon
BH30536	900	1500	870	1215	1525	230 x 95	160	128	Rubber

Powder-coated



Stainless steel



Options

Flat lids roll-forward skips

320 l: REF CC14370
 520 l: REF CC14372
 765 l: REF CC14374
 1030 l: REF CC14376
 1340 l: REF CC14378
 1700 l: REF CC14380

➤ See this attachment in action



Bottom-emptying skip



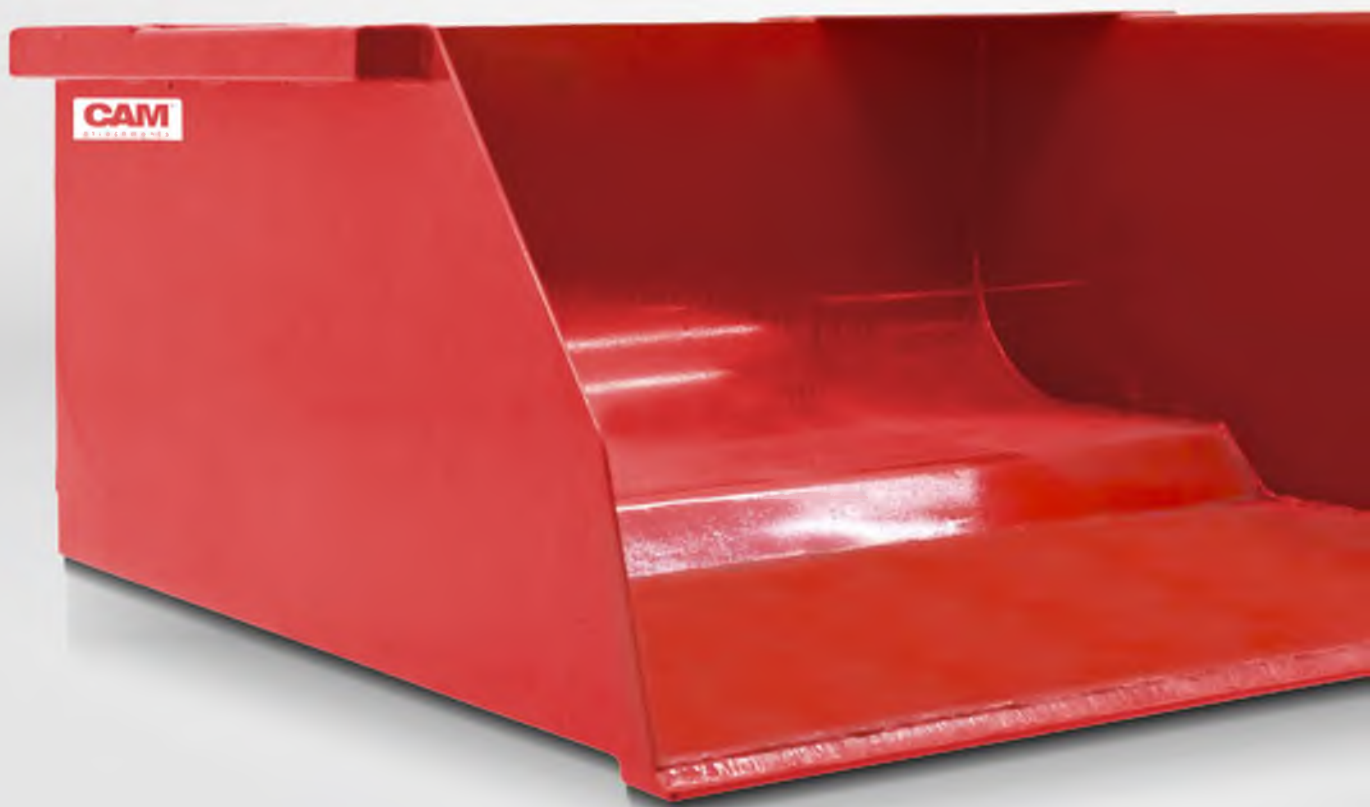
Technical data

Model	Volume	Capacity	Height	Width	Length	Max fork section	Min distance between forks	Weight
	l	kg	mm	mm	mm	mm	mm	kg
BA52682	750	1730	600	1500	875	220 x 70	630	230
BA52684	1000	1750	750	1500	875	220 x 70	630	250
BD83876	1300	1780	1000	1500	875	160 x 70	630	280

> See this attachment in action



Notes





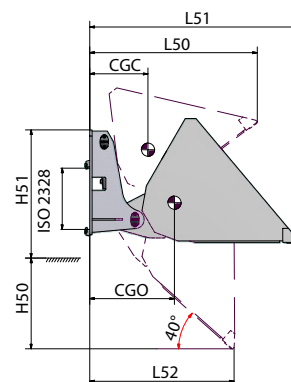
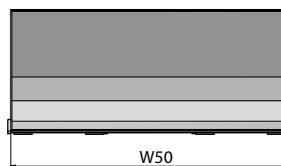
18. Scoops

Scoops allow you to convert your forklift truck into a mobile shovel. With this attachment you can easily load and tip bulk materials such as sand, gravel, coal, etc.

Chapter overview

18.1	Hydraulic scoop	B	194
18.2	Hydraulic scoop fork-mounted	HS	195
18.3	Mechanical scoop	MS	196

Hydraulic scoop



Technical data

- > Hook-on model
- > Double ram-operated

Model	Volume	Capacity	Tilt	W50	H50	H51	L50	L51	L52	CGC	CGO	Weight	ISO 2328
	l	kg/mm	Degrees +/-	mm	mm	mm	mm	mm	mm	mm	mm	kg	
B 30	310	800/500	40/40	900	560	735	1030	1200	900	410	480	400	2
B 50	490	1200/500	40/40	1400	560	735	1030	1200	900	390	480	430	2
B 60	560	1400/500	40/40	1600	560	735	1030	1200	900	430	480	455	2
B 80	810	2000/500	40/40	1800	650	735	1180	1345	985	390	580	565	2
B 100	1000	2500/500	40/40	2350	660	735	1180	1345	985	405	580	600	3

Hydraulic scoop fork-mounted



Technical data

- > Fork-mounted model
- > Secured with a chain

Model	Volume	Height	Width	Length	Max fork section	Min distance between forks	Weight
	l	mm	mm	mm	mm	mm	kg
BH24466	950	772	1640	1394	185 x 70	660	300
BH24468	1100	772	1840	1394	185 x 70	660	360

Mechanical scoop



Technical data

> Fork-mounted model

Model	Volume	Height	Width	Length	Max fork section	Min distance between forks	Weight
	l	mm	mm	mm	mm	mm	kg
CC04310	500	580	860	1873	170 x 60	351	230
BH22332	600	606	965	1873	170 x 60	466	250
BH22608	800	606	1400	1873	170 x 60	466	280
BH22334	1000	606	1710	1873	170 x 60	466	310
BH22336	1200	606	1910	1873	170 x 60	466	331



19. Loading buckets

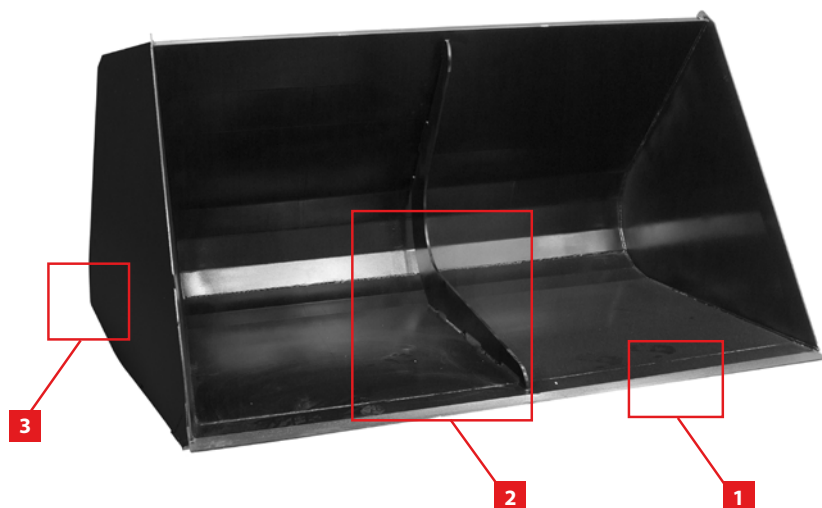
Loading buckets have proven to be essential in a variety of sectors. They are developed with care and professionalism to ensure a long lifespan and to meet the high quality standards of the market and our customers.

Chapter overview

19.1 Loading buckets

BU 200

Loading buckets

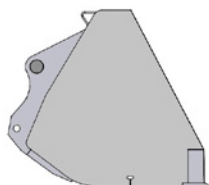
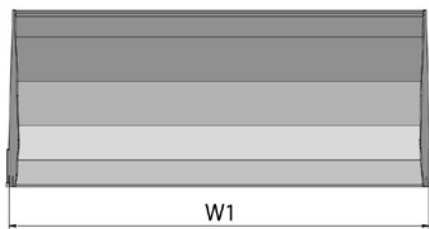


The carefully thought-out design of our buckets resulted in a conical shape. This saves you space when you transport your attachments. The quality welding ensures your bucket will be durable for many years to come. Today, the bucket range at CAM attachments is still growing. With an extensive range of different capacities and connections for Genie, JCB, JLG, Manitou and Merlo, you're sure to find the bucket you need.

Characteristics

1. Reinforced steel blade to increase resistance to wear
2. Reinforcement rib inside the bucket to prevent warping*
3. High-quality welding for optimal durability
4. The conical shape makes it easy to fill and completely empty the bucket
5. Wear strips along the bottom of the bucket protect the underside of the attachment
6. Curved reinforcement profiles give the bucket extra strength and resilience
7. Profiled side plates for greater strength
8. Extremely durable cutting edge: 500HB hardness

* Valid only for the buckets starting from 2000 l volume



Suitable for Manitou



Suitable for JCB



Suitable for JLG



Suitable for Merlo





Technical data

Suitable for Genie	Suitable for JCB Q-fit	Suitable for JLG*	Suitable for Manitou	Suitable for Merlo ZM2	Suitable for Merlo ZM3***	Bucket width W1	Volume	Capacity	Load capacity
						mm	l	m³	kg/m³
Medium-load capacity buckets • recommended for machines with 50–100 hp engines									
CC16504	CC16502	CC16506	CC16498**	CC16500**	-	1850	500	0.64	1600
CC16462	CC16444	CC16470	CC16390	CC16398	CC16406	1900	900	1.08	1600
CC16464	CC16446	CC16472	CC16392	CC16400	CC16408	2100	900	1.2	1600
CC16466	CC16448	CC16474	CC16394	CC16402	CC16410	2300	900	1.33	1600
CC16468	CC16450	CC16476	CC16396	CC16404	CC16412	2450	900	1.42	1600
CC16478	CC16452	CC16484	CC16420	CC16414	CC16426	1900	2000	2.33	950
CC16480	CC16454	CC16486	CC16422	CC16416	CC16428	2100	2000	2.6	950
CC16482	CC16456	CC16488	CC16424	CC16418	CC16430	2300	2000	2.88	950
CC16490	CC16458	CC16494	CC16436	CC16432	CC16440	2300	2500	3.14	900
CC16492	CC16460	CC16496	CC16438	CC16434	CC16442	2450	2500	3.36	900
Heavy-load capacity buckets • recommended for machines with 100–200 hp engines									
CC02710	CC02728	CC02746	CC02764	CC02782	CC16564	1900	900	1,08	2150
CC02712	CC02730	CC02748	CC02766	CC02784	CC16566	2100	900	1,2	2150
CC02714	CC02732	CC02750	CC02768	CC02786	CC02796	2300	900	1,33	2150
CC02716	CC02734	CC02752	CC02770	CC02788	CC02798	2450	900	1,42	2150
CC02718	CC02736	CC02754	CC02772	CC02790	CC16568	1900	2000	2,33	1150
CC02720	CC02738	CC02756	CC02774	CC02792	CC16570	2100	2000	2,6	1150
CC02722	CC02740	CC02758	CC02776	CC02794	CC02800	2300	2000	2,88	1150
CC02724	CC02742	CC02760	CC02806	CC02778	CC02802	2300	2500	3,14	1000
CC02726	CC02744	CC02762	CC02808	CC02780	CC02804	2450	2500	3,36	1000

* These buckets also fit CAT and Deutz machines

** Manitou / Merlo ZM2 gross price € 1100

*** Merlo ZM3 is gross price + € 150 for the medium load capacity buckets and + € 100 for the heavy load capacity buckets

Options

Double blades with hardness 500HB:

L=2450 mm - 8 holes: REF CC04744

L=2300 mm - 8 holes: REF CC04746

L=2100 mm - 7 holes: REF CC04748

L=1900 mm - 6 holes: REF CC04750

L=1850 mm - 7 holes: REF CC19486

Teeth for buckets with 500 & 900 l volumes:

Single pieces: REF CC19478

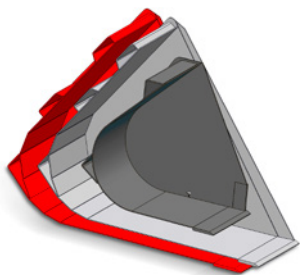
Kit 7 pieces* for 500 l buckets with width 1850 mm or 900 l buckets with width 1900 mm: REF CC19480

Kit 8 pieces* for 900 l buckets with width 2100 mm: REF CC19482

Kit 9 pieces* for 900 l buckets with width 2300 mm or 2450 mm: REF CC19484

* Bolts and nuts included

Different models available



- Bucket 2500 l volume
General bucket
- Bucket 2000 l volume
General bucket
- Bucket 900 l volume
Digging bucket

Available on request

- > Camera that can be mount on bucket (REF CJ25948)
- > Adapter for boom and video camera
- > Blades
- > Teeth
- > Blade protection



20. Booms

A boom allows you to use your forklift truck to handle products that are in rolls or coils. You'll find carpet booms and booms for coils in our range.

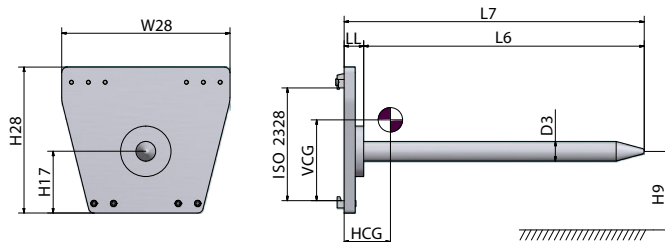
Chapter overview

20.1	Boom for coils	SP	204
20.2	Carpet boom	AT	205

Boom for coils



Booms for coils will easily lift and move steel coils. They are similar to carpet booms, but shorter and have a larger diameter to make it easy to get the job done.



Technical data

Model	Capacity	L6	D3	L7	H17	H28 x W28	H9	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
SP 1010	1000/500	1000	70	1070	230	520 x 600	250	70	141	220	127	2
SP 1510	1500/500	1000	80	1070	230	520 x 600	250	70	252	218	136	2
SP 1515	1500/500	1500	80	1570	230	520 x 600	250	70	430	216	154	2
SP 2515	2500/500	1500	90	1570	230	520 x 600	250	70	320	206	190	2
SP 2520	2500/500	2000	90	2070	230	520 x 600	250	70	490	202	215	2
SP 3515	3500/500	1500	100	1590	280	620 x 700	300	90	390	218	273	3
SP 3520	3500/500	2000	100	2090	280	620 x 700	300	90	570	187	298	3
SP 4518	4500/500	1800	120	1900	278	620 x 700	300	100	412	253	380	3
SP 4525	4500/500	2500	120	2620	280	620 x 700	300	90	750	172	425	3
SP 6520	6500/800	2000	150	2120	370	740 x 800	450	90	527	351	555	4
SP 6525	6500/800	2500	150	2620	370	740 x 800	450	90	722	348	625	4

Available on request

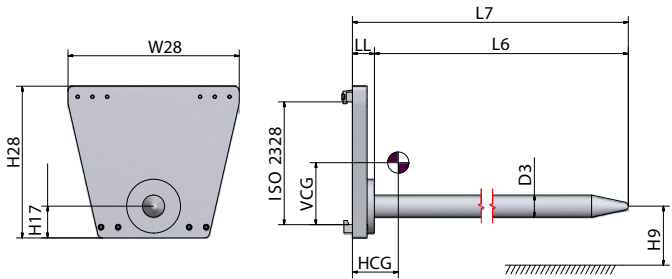
- > Different lengths and diameters



Carpet boom



Carpet booms are specially designed for handling carpet and other types of floor coverings.



Technical data

Model	Capacity	L6	D3	L7	H17	H28 x W28	H9	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
AT 28A	550/1800	2800	70	2870	180	520 x 600	200	70	875	164	145	2
AT 38	550/2300	3800	75	3870	180	520 x 600	200	70	1030	152	195	2

Available on request

- > Different lengths and diameters











21. Crane jibs

A crane jib allows you to lift loads that have unconventional dimensions or are not suitable for pallets. Multiple lifting positions can be used along the crane arm. Depending on the required mounting type, we offer two models: fork-mounted crane jibs and carriage-mounted crane jibs. Both are fully tested and CE-certified.

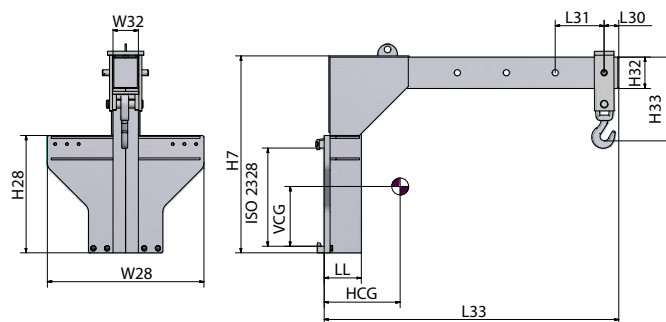
Chapter overview

21.1	Carrier-mounted crane jib	GAB	210
21.2	Fork-mounted crane jib - Manual	GAB1	211
21.3	Fork-mounted crane jib - Manual telescopic	GAB2	212
21.4	Fork-mounted crane jib - Manual telescopic, adjustable in height	GAB3	213

Carriage-mounted crane jib



Need a crane jib that mounts onto the carriage of your forklift?
This is the model for you.



Technical data

Model	Capacity	H7	L33	H32	W32	L30	L31	H33	W28 x H28	LL	HCG	VCG	Weight	ISO 2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
GAB 1T	1000/500	1000	1000	100	100	60	130	245	600 x 500	115	190	547	95	2
GAB 2T	2000/500	1000	1000	140	120	60	150	490	600 x 500	160	220	567	135	2
GAB 3T	3000/500	1000	1500	160	130	70	250	350	800 x 600	190	290	572	212	3
GAB 4T	4000/500	1000	2000	180	140	70	250	410	800 x 600	210	470	591	273	3
GAB 6T	6000/500	1200	2000	240	170	100	250	470	800 x 735	270	550	602	500	4
GAB 7T	7000/600	1900	2900	240	160	100	250	590	800 x 735	280	735	607	600	4

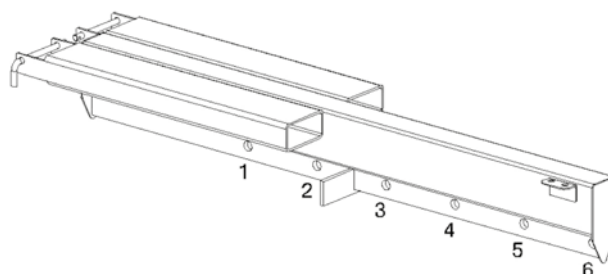
Available on request

- Different dimensions and capacities
- Crane with manual or hydraulic positioning system
- Fork-mounted jib crane attachments

Fork-mounted crane jib manual



Crane jibs that mount onto the forks of the forklift truck.



Technical data

- L2 - Maximum arm length
- W11 - Maximum fork spread measured over forks

Model	L2	W11	Fits max fork section	CG	Weight
	mm	mm	mm	mm	kg
BA52814	1750	450	135 x 60	675	94
BA52818	1750	450	155 x 60	757	100

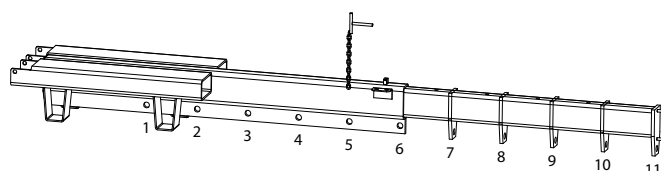
Position of the safety lifting hook

Fixed arm						
Position	1	2	3	4	5	6
BA52814						
Capacity (kg)	2000	1800	1600	1200	900	600
Load centre (mm)	500	750	1000	1250	1500	1750
BA52818						
Capacity (kg)	4000	3800	3200	2500	1900	1100
Load centre (mm)	500	750	1000	1250	1500	1750

Fork-mounted crane jib manual telescopic



Telescopic crane jibs that are manually adjustable. Achieve the perfect fit for your job with ease.



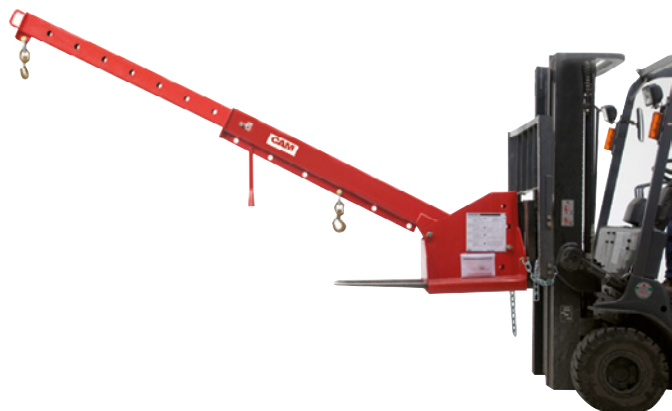
Technical data

- L2 - Maximum arm length
- W11 - Maximum fork spread measured over forks

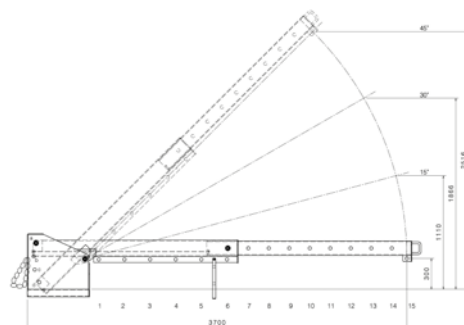
Model	Max arm length	W11	Fits max fork section	CG	Weight
	mm	mm	mm	mm	kg
BA52820	3000	450	150 x 65	675	151
BA52824	3000	450	150 x 65	757	156

Position of the safety lifting hook											
Extendable arm											
Position	1	2	3	4	5	6	7	8	9	10	11
BA52820											
Capacity (kg)	2000	1800	1600	1200	900	600	500	400	350	280	200
Load centre (mm)	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
BA52824											
Capacity (kg)	4000	3800	3200	2500	1900	1100	975	850	650	500	400
Load centre (mm)	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000

Fork-mounted crane jib manual telescopic, adjustable in height



Do you need a crane jib that is height-adjustable? We have the solution for you!



Technical data

➤ W11 - Maximum fork spread measured over forks

Model	Capacity/700 mm	Minimum fork length	W11	Fits max fork section	Weight
	kg	mm	mm	mm	kg
Foldable					
BA52846	2500	800	549	180 x 60	218
BA52848	5000	800	574	180 x 70	250

Position of the safety lifting hook															
Position	Fixed arm						Extendable arm								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BA52846 - capacity 2500 kg															
Capacity (kg)	2500	2500	2500	1800	1400	1200	1050	950	850	770	700	650	600	560	500
Load centre (mm)	700	950	1200	1450	1700	1950	2100	2300	2500	2700	2900	3100	3300	3500	3700
BA52848 - capacity 5000 kg															
Capacity (kg)	5000	3550	2750	2250	1950	1700	1550	1400	1300	1200	1150	1050	1000	950	900
Load centre (mm)	700	950	1200	1450	1700	1950	2100	2300	2500	2700	2900	3100	3300	3500	3700





22. Fork-mounted hooks

A fork-mounted hook or jib allows you to lift your load from above. This is especially useful when your forks do not fit under the load. Our fork-mounted hooks are fully tested and CE-certified. Fork-mounted hooks are commonly used in the agricultural and construction industries, to name but a few. This attachment is suitable for many types of machines. In addition to forklift hook attachments, we also sell hook attachments for telehandlers, skid steer loaders and tractor loaders.

Chapter overview

22.1 Fork-mounted hook

FMH 216



Fork-mounted hook

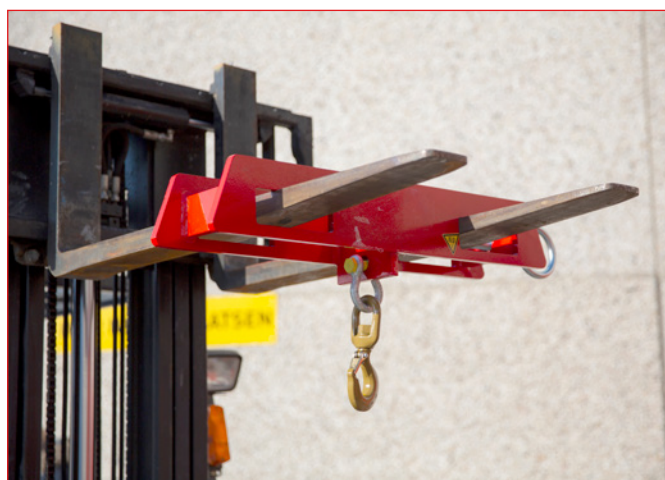
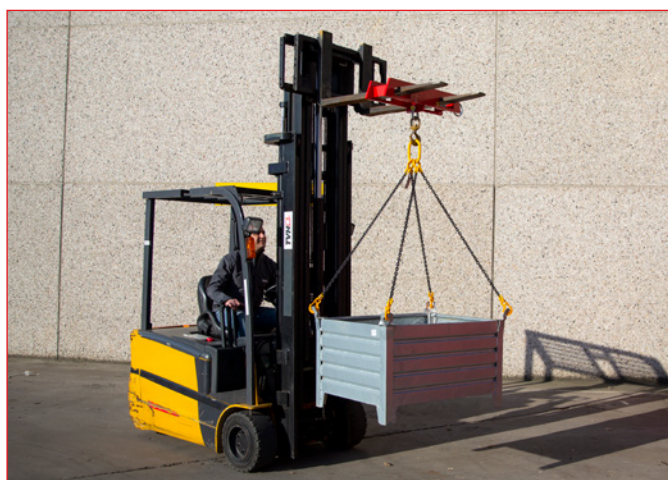


This small attachment offers you two big benefits: it will convert your forklift truck into a mobile crane. And you can also carry loads underneath the forks. It increases your machine's versatility so you are always equipped to complete the job at hand.

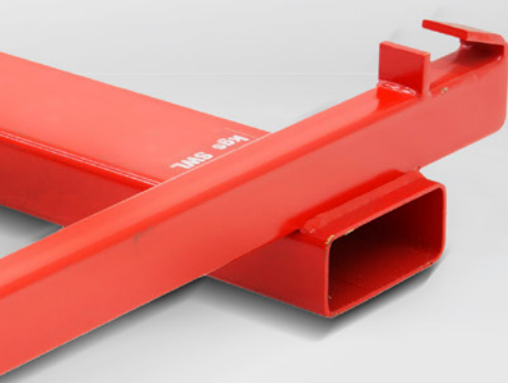


Technical data

Model	Capacity	Height	Width	Length	Max fork section	Min distance between forks	Weight
	kg	mm	mm	mm	mm	mm	kg
BA52850	2500	130	785	180	150 x 50	300	27
BA52854	4000	130	785	180	150 x 50	300	27
BA52856	5000	130	785	180	150 x 50	300	30







23. Big bag handlers

This attachment allows you to handle big bags the easy way. You simply attach the big bag handler to the forklift and you're ready to go.

Chapter overview

23.1 Big bag handler

BBH 220

Big bag handler



Technical data

Model	Capacity	Max fork section	Max fork spread (over the forks)	Distance between claws	Weight
	kg	mm	mm	mm	kg
CA99534	1000	140 x 50	755	1000 x 1000	97
CA99532	1500	140 x 50	755	1000 x 1000	97







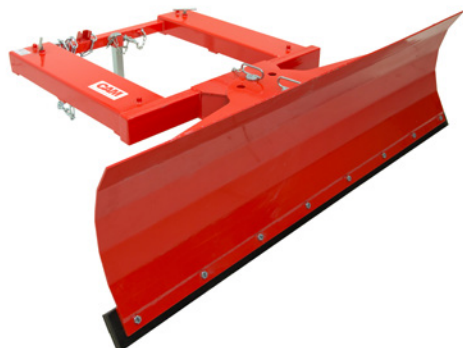
24. Snow ploughs

A snow plough is the ideal attachment for clearing snow and keeping your operations running over the winter months. The concave design prevents snow from building up and damaging or immobilising your lift truck. We find this attachment invaluable for yard clean-up in the summer months too.

Chapter overview

24.1	Snow plough	SNO	224
24.2	Snow plough - Agri	SNOA	225

Snow plough



Technical data

Model	Blade width	Blade height	Rubber thickness	Max fork section	Min distance between forks	Weight
	mm	mm	mm	mm	mm	kg
With rubber strip						
BG05586*	1800	500	30	190 x 70	620	160
BI48204*	1500	500	30	190 x 70	620	157
BH22338	1800	500	30	190 x 70	620	180
BH93846	2000	500	30	190 x 70	620	214
BH93848	2400	500	30	190 x 70	620	239
With spring-loaded blade						
BH35814	1800	730	-	190 x 70	415	185
BH30454	2100	730	-	190 x 70	415	231
BH39926	2400	730	-	190 x 70	415	289

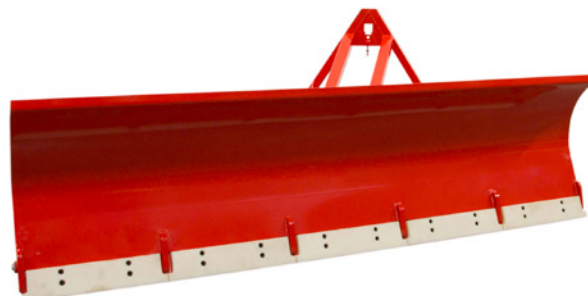
*Fixed blade

> See this attachment in action



Snow plough

Agri



Technical data

Model	Blade width	Blade height	Rubber thickness	Max fork section	Min distance between forks	Positions	Weight
	mm	mm	mm	mm	mm	mm	kg
Adjustable snow plough with rubber strip							
CA99546	1800	500	30	180 x 60	420	left, right, centre	215
Adjustable snow plough with spring-loaded blade							
CA99548	2600	730	-	190 x 70	415	left, right, centre	308

> See this attachment in action











25. Yard scrapers

Yard scrapers make it easy to push bulk materials (such as sand, snow, coal, etc.) to a point where it can be picked up. This is an ideal attachment for clearing yards or floors.

Chapter overview

25.1	Yard scraper	YSC	230
25.2	Yard scraper - Agri	YSCA	231

Yard scraper



Technical data

Model	Blade width	Blade height	Rubber thickness	Max fork section	Min distance between forks	Weight
	mm	mm	mm	mm	mm	kg
BG91882	2000	400	35	151 x 51	605	90
BG91884	2650	400	35	151 x 51	605	130

Yard scraper

Agri



Technical data

Model	Blade width	Blade height	Rubber thickness	Max fork section	Min distance between forks	Weight
	mm	mm	mm	mm	mm	kg
CA99550	2000	400	35	151 x 51	605	202
CA99552	2650	400	35	151 x 51	605	210





26. Fork-mounted drum clamps and rotators

Drum clamps and rotators are very efficient attachments for transporting and rotating drums. It's easy to mount these attachments on your forklift: there are no hydraulic or electrical connections required.

Chapter overview

26.1	Fork-mounted drum clamp	DC	234
26.2	Fork-mounted drum rotator	DR	235

Fork-mounted drum clamp

Looking for drum clamps that easily mount onto forklift forks? This is the product for you. Choose from 3 different models, there's even one that lets you clamp two drums at the same time.



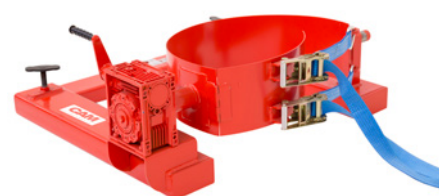
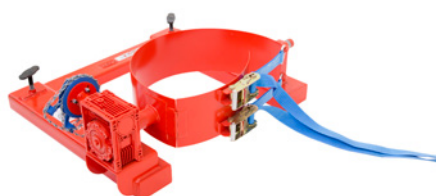
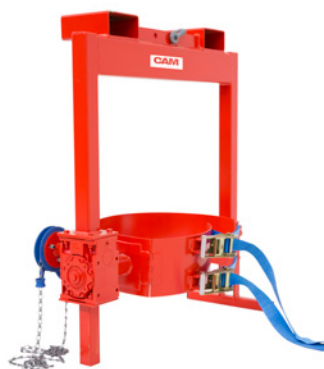
Technical data

Model	Capacity	Max fork section	Min distance between forks	Weight	Number of drums	Drum type
	kg	mm	mm	kg		
BG11320	500	140 x 50	280	62	1	Steel, plastic L-ring and XL-ring
BG15622	750	140 x 50	280	75	1	Steel, plastic L-ring and XL-ring
BG52752	1000	160 x 65	490	79	2	Steel, plastic L-ring and XL-ring



Fork-mounted drum rotator

This attachment allows you to clamp the drum and rotate it 360°. Choose from the different models in our range that cater for different widths, weights and type of rotations. We have the drum rotator that's suitable for your needs.



Technical data

Model	Capacity	Max fork section	Min distance between forks	Total width	Number of drums	Drum type	Rotation angle	Type of operation	Weight
	kg	mm	mm	mm					kg
BG19328	360	140 x 50	425	707	1	210 l steel	360°	Looped chain	94
BG19622	360	140 x 50	660	942	1	210 l steel	360°	Looped chain	96
BG19322	360	140 x 50	660	942	1	210 l steel	360°	Crank handle	90







27. Forklift cages

Do you often need to perform tasks up high? Reach your working height safely thanks to our forklift cages. They give you the protection you need. And you can easily store your work materials in the toolbox provided, so you always have your tools right there when you need them.

Want to easily roll the safety cage to the storage area after use? Choose a model equipped with nylon wheels to make this a reality. They allow for quick and efficient storage.

Chapter overview

27.1 Forklift cages

SCG 238

Forklift cages



Do you often perform tasks at altitude? Reach your working height safely thanks to our safety cages. These offer you the necessary protection to get started.

You can easily store your work materials in the provided toolbox, this way you always have your tools at hand.

Do you simply wish to roll the safety cage to the storage area after use? Then opt for a model equipped with nylon wheels, which will allow you to quickly and efficiently store the cage.

Characteristics

1. Capacity: 2 persons
2. Rear side foldable up to 1120 mm
3. Safely secured to truck using lock pins behind the fork heels
4. With toolbox for easy storage of your work tools
5. Quickly mounted on the forks



Technical data

Model	Model category	Capacity	Max height	Cage L x W x H	Fits max fork section	Min distance between forks	Weight
		kg	mm	mm	mm	mm	kg
CC19488	Without wheels	300	1900	795 x 1205 x 1100	200 x 70	590	120
CC14490	With nylon wheels	300	1900	795 x 1205 x 1100	200 x 70	590	120

Notes



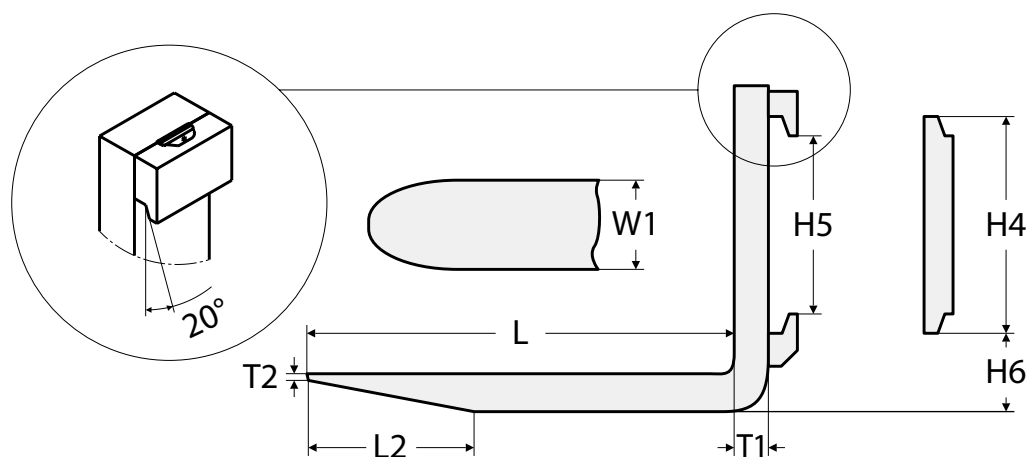
28. Forks & fork extensions

You'll find a wide variety of forks that will definitely meet your needs, regardless of the size, type or configuration: FEM forks, reach forks, weighing forks, fork extensions and more.

Chapter overview

28.1	Fork	Forks	242
28.2	Reach fork	RHF	244
28.3	Weighing fork	WGF	246
28.4	Weighing fork with lithium battery	WGF-L	248
28.5	Fork extension closed	EXT	250
28.6	Fork extension open	EXT2	251
28.7	Fork slip-on with rubber-faced pads	CPG	252
28.8	Fork slip-on for drums	CF	253
28.9	Fork slip-on for concrete blocks	CBA	254
28.10	Anti-slip coating	COA	255

Fork



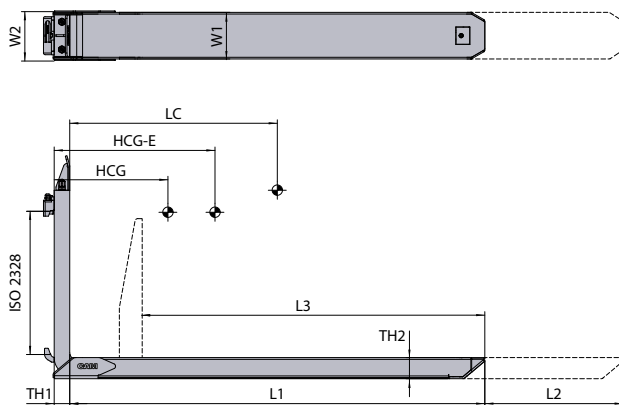
Technical data

Class FEM	Lift truck capacity	Norm ISO2328	H6	H4	H5	We propose to use fork section = W1xT1
	kg		mm	mm	mm	mm
1	0-999	1A	76	331	306	80 x 35
		1B	114			
2	1000 - 1500	2A	76	407	382	80 x 40 100 x 32 100 x 35 100 x 40
		2B	152			
	1800 - 2000	2A	76			100 x 40 100 x 45 120 x 40
		2B	152			
	2200 - 2500	2A	76			100 x 45 125 x 40
		2B	152			
3	2800 - 3500	3A	76	508	477	100 x 45 100 x 50 125 x 45
		3B	203			
	3500 - 4999	3A	76			125 x 45 125 x 50 130 x 60
		3B	203			
4	5000 - 9000	4A	127	635	598	150 x 50 130 x 60 150 x 60 150 x 70
		4B	254			

- FEM forks meet ISO standards
- High-quality chromium-manganese steel to guarantees high mechanical strength
- Refined finish: manufactured on the basis of a rolled profile
- Forks comply with European standards

Fork section W1 x T1	Capacity/ pair	ISO2328	Fork length L1																
			kg/mm	800 mm	900 mm	1000 mm	1070 mm	1100 mm	1150 mm	1200 mm	1300 mm	1400 mm	1500 mm	1600 mm	1800 mm	2000 mm	2200 mm	2400 mm	2500 mm
80 x 40	2000/500	2A		BF38622	BF38628	BE44706	-	BF38670	BF38694	BE44710	BJ05664	BF38762	BF38790	BF38826	BF38860	-	-	-	-
100 x 35	1900/500	2A		BJ04664	BF38630	BF38642	BF29396	BF38672	BF38696	BF38712	BF38744	BF38764	BF38792	BF38828	BJ06772	-	-	-	-
100 x 40	2500/500	2A		BF38624	BF38632	BF38644	BF29400	BE44712	BF38698	BE44714	BF38746	BF38766	BF38794	BF38830	BF38862	BF38892	BJ05734	BJ06820	-
100 x 45	3000/500	2A		BJ04668	BF38634	BF38646	BF38666	BF38674	BF38700	BE44716	BF38748	BF38768	BF38796	BF38832	BF38864	BF38894	BJ05736	BJ05740	-
120 x 40	3000/500	2A		BJ06822	-	BF38648	BF29406	BF38676	BF38702	BF38714	BF38750	BF38770	BF38798	BF38834	BF38866	BF38896	BJ07058	BF38930	-
125 x 40	3000/500	2A		-	-	BJ06826	-	BF38678	-	BF38716	BJ06830	BJ06832	BF38800	BJ06834	BF38868	BJ06836	-	-	-
125 x 45	4100/500	2A		-	BF38636	BF38650	-	BE44718	BF38704	BE44720	BF38752	BF38772	BF38802	BF38836	BF38870	BF38898	BF38916	BF38932	-
80 x 40	2000/500	2B		BJ04670	BJ05950	BF38652	-	BF38680	BJ05936	BF38718	-	BJ06902	-	-	-	-	-	-	-
100 x 35	1900/500	2B		-	-	BJ06760	-	BJ04748	-	BJ04786	-	-	BJ06768	-	-	-	-	-	-
100 x 40	2500/500	2B		BF38626	BF38638	BF38654	-	BF38682	BF38706	BF38720	BJ04842	BF38774	BF38804	BF38838	BF38872	BJ05032	BJ06780	-	-
100 x 45	3000/500	2B		-	-	BJ04704	-	BJ04758	BJ06858	BJ04796	-	BJ04864	BJ06756	BJ04952	BJ06758	BJ06862	-	-	-
120 x 40	3000/500	2B		-	-	BF38656	-	BJ04754	BF38708	BF38722	BJ06872	BF38776	BJ06874	BJ06876	-	-	-	-	-
125 x 45	4100/500	2B		-	-	BJ04702	-	BJ04756	-	BF38724	BJ06888	BJ04866	BJ06890	BF38840	BF38874	BF38900	-	-	-
100 x 45	3000/500	3A		-	-	BJ04706	-	BF38684	BJ06914	BF38726	BJ04844	BJ04868	BF38806	BF38842	BJ04990	BJ05036	CC18704	BJ07036	-
100 x 50	3900/500	3A		-	-	BJ04708	-	BF38686	BJ06920	BF38728	BJ06922	BJ04870	BF38808	BJ04956	BF38876	BF38902	BJ07038	BJ05094	-
120 x 50	4500/500	3A		-	-	BJ04710	-	BJ04764	BJ06750	BJ04802	BJ06782	BJ04872	BJ04910	BJ04958	BJ04994	BJ05040	BJ06784	BJ05096	-
125 x 45	4100/500	3A		-	-	BF38658	BE39912	BF38688	BF38710	BE44722	BF38754	BF38778	BF38810	BF38844	BF38878	BF38904	BF38918	BF38934	CC18706
125 x 50	5000/500	3A		-	BF38640	BJ04714	BF38668	BJ04768	BJ07040	BF38730	BF38756	BF38780	BF38812	BF38846	BF38880	BF38906	BF38920	BF38936	-
130 x 60	7200/500	3A		-	-	BJ06936	-	BJ04772	-	BJ04812	BJ04852	BJ04882	BJ0498J	BJ04968	BJ05004	BJ05050	BJ07042	BJ05106	-
150 x 50	5800/500	3A		-	-	BF38660	BF29442	BF38690	-	BF38732	BJ04850	BF38782	BF38814	BF38848	BF38882	BF38908	BF38922	BF38938	-
150 x 60	7000/600	3A		-	-	BJ06754	-	-	-	BJ04810	-	BJ04880	BJ04918	BJ04966	BJ05002	BJ05048	BJ05080	BJ05104	-
100 x 50	3900/500	3B		-	-	BJ06944	-	BJ04774	-	BJ04814	BJ06948	BJ04884	BJ04922	BJ04970	BJ06950	BJ06952	-	-	-
125 x 45	4100/500	3B		-	-	BF38662	-	BF38692	-	BF38734	BF38758	BF38784	BF38816	BF38850	BF38884	BJ05052	-	BJ05108	-
125 x 50	5000/500	3B		-	-	-	-	-	-	BJ04818	BJ04856	BJ04888	BJ04926	BJ04974	BJ05008	BJ05054	-	BJ05110	-
150 x 50	5800/500	3B		-	-	-	-	-	-	BF38736	BJ04858	BJ04890	BF38818	BF38852	BF38886	BF38910	BF38924	BF38940	-
130 x 60	7200/500	4A		-	-	-	-	-	-	BJ04824	BJ06982	BJ04892	BJ04932	BJ04978	BJ05014	BJ05060	-	BJ07050	-
150 x 50	5000/600	4A		-	-	-	-	-	-	BF38738	BJ06986	BF85280	BF38820	BF38854	BJ05016	BJ05062	BJ05084	BJ05116	-
150 x 60	7000/600	4A		-	-	BF38664	-	BJ04778	-	BF38740	BF38760	BF38786	BF38822	BF38856	BF38888	BF38912	BF38926	BF38942	CC18708
150 x 65	8220/600	4A		-	-	-	-	-	-	BJ04822	-	-	BJ04930	-	BJ05012	BJ05058	BJ06752	BJ05114	-
150 x 70	9000/600	4A		-	-	-	-	-	-	BF38742	BJ07008	BF38788	BF38824	BF38858	BF38890	BF38914	BF38928	BF38944	-
200 x 60	9200/600	4A		-	-	-	-	-	-	BJ04832	-	-	BJ04940	BJ06740	BJ05022	BJ05068	BJ05090	BJ05122	-
200 x 70	12000/600	4A		-	-	-	-	-	-	BJ06810	-	-	BJ06816	BJ05954	BJ05024	BJ05070	BJ05092	BJ05124	-
150 x 50	5000/600	4B		-	-	-	-	-	-	BJ04834	BJ04900	BJ04900	BJ04942	BJ07052	BJ05026	CC18702	-	-	-
150 x 60	7000/600	4B		-	-	-	-	-	-	BJ04836	BJ04902	BJ04902	BJ04944	BJ06790	BJ05028	BJ05072	-	BJ05126	-
200 x 50	6500/600	4B		-	-	-	-	-	-	BJ04838	-	BJ07054	-	-	-	-	-	-	-
200 x 60	9200/600	4B		-	-	-	-	-	-	BJ04840	-	-	BJ04946	-	BJ05030	BJ06804	-	BJ06808	-

Reach forks



The CAM attachments hydraulic reach forks are a new addition to our fork range. They improve how efficiently you can work with your forklift. You can easily load or unload goods from one side without moving to and from either side of the vehicle. It's no secret that these type of forks are the solution for many loading and transport needs! This extra option for loading and unloading is a benefit that saves you time.

Characteristics

1. High resistance to deflection thanks to a single cylinder fitted in the fixed element
2. High internal power – cylinder bore of 35 mm
3. Outer forks made of high-quality material with high tensile strength, and reinforced at the bottom by a 6 mm Hardox wear plate
4. Synchronised fork movements thanks to the external flow divider



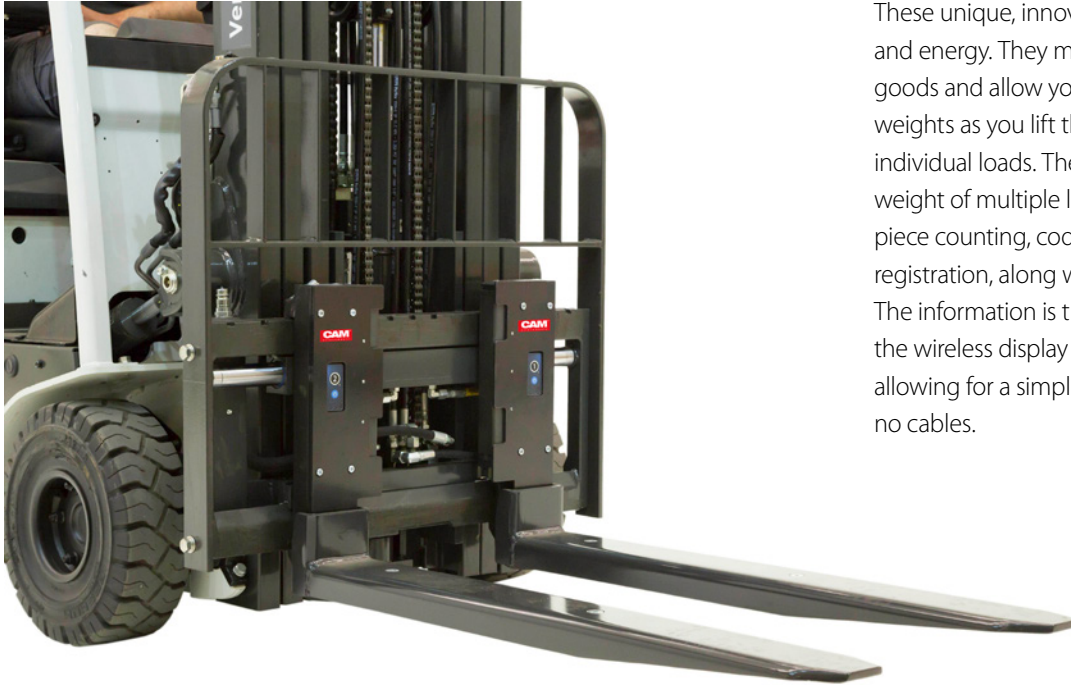


Technical data

- L3: dimension measured from top of the fork to the pallet stop
- Telescopic forks delivered with external flow divider

Model	Capacity	W1	W2	TH1	TH2	L1	L2	HCG	HCG-E	L3	Weight	ISO2328
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
Without pallet stop												
CC19404	2500/600	135	143	45	61	1000	200	343	381		142	2A
CC19406	2500/600	135	143	45	61	1100	750	384	546		147	2A
CC19408	2500/600	135	143	45	61	1200	800	428	603		157	2A
CC19410	2500/600	135	143	45	61	1200	850	428	616		156	2A
CC19412	2500/600	135	143	45	61	1350	1000	497	723		170	2A
CC19414	3500/600	135	143	45	61	1000	200	343	381		142	2A
CC19416	3500/600	135	143	45	61	1100	750	384	546		147	2A
CC19418	3500/600	135	143	45	61	1200	800	428	603		157	2A
CC19420	3500/600	135	143	45	61	1200	850	428	616		156	2A
CC19422	3500/600	135	143	45	61	1350	1000	497	723		170	2A
CC19424	3500/600	135	143	45	61	1000	200	326	362		150	3A
CC19426	3500/600	135	143	45	61	1100	750	365	519		155	3A
CC19428	3500/600	135	143	45	61	1200	800	408	575		165	3A
CC19430	3500/600	135	143	45	61	1200	850	409	587		164	3A
CC19432	3500/600	135	143	45	61	1350	1000	476	692		178	3A
CC19434	4500/600	135	173	45	61	1100	750	364	502		194	3A
CC19436	4500/600	135	173	45	61	1200	850	408	568		206	3A
CC19438	4500/600	135	173	45	61	1350	1000	475	669		223	3A
With pallet stop												
CC19442	2500/600	135	143	45	61	1100	750	384	546	1000	147	2A
CC19444	2500/600	135	143	45	61	1200	800	428	603	1150	157	2A
CC19446	2500/600	135	143	45	61	1200	850	428	616	1150	156	2A
CC19448	2500/600	135	143	45	61	1350	1000	497	723	1150	170	2A
CC19452	3500/600	135	143	45	61	1100	750	384	546	1000	147	2A
CC19454	3500/600	135	143	45	61	1200	800	428	603	1150	157	2A
CC19456	3500/600	135	143	45	61	1200	850	428	616	1150	156	2A
CC19458	3500/600	135	143	45	61	1350	1000	497	723	1150	170	2A
CC19462	3500/600	135	143	45	61	1100	750	365	519	1000	155	3A
CC19464	3500/600	135	143	45	61	1200	800	408	575	1150	165	3A
CC19466	3500/600	135	143	45	61	1200	850	409	587	1150	164	3A
CC19468	3500/600	135	143	45	61	1350	1000	476	692	1150	178	3A
CC19472	4500/600	165	173	45	61	1200	0850	408	568	1150	206	3A
CC19474	4500/600	165	173	45	61	1350	1000	475	669	1150	223	3A

Weighing fork



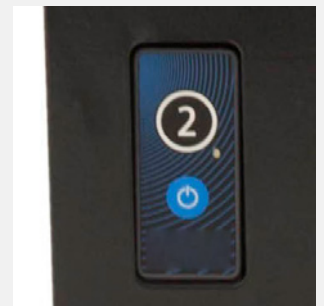
These unique, innovative forks save you time and energy. They make it easy to transport goods and allow you to view and track their weights as you lift them. And not just for individual loads. They also calculate the total weight of multiple loads. This system offers piece counting, code entry and date-and-time registration, along with the basic scale functions. The information is transmitted from each fork to the wireless display via Bluetooth® technology, allowing for a simple installation with absolutely no cables.

Benefits

- Low installation costs mean a lower initial investment and higher return on investment
- The minimal displacement of the load centre increases your lifting capacity
- Excellent view of fork tips: better safety and fewer accidents
- Scale components are easily accessible and digitally calibrated: you have less maintenance
- Can be used in combination with fork positioners

Characteristics

1. Each fork has its own rechargeable battery pack and a charger for both batteries
2. Digital calibration
3. Bluetooth data transfer
4. Automatic shut-off function for optimal battery life
5. Automatic and manual zero correction
6. Automatic tare and manual tare weight entry
7. Capacity: 2500, 3000 or 5000 kg
8. Weight correction for forklift mast tilt
9. 5-minute installation





Technical data

- › Type: 2500 economy and 2500 performance
- › Capacity: 2500 kg
- › Fork length: 1150 mm
- › Width of the forks: 133 mm
- › Thickness of the forks: 59 mm
- › Weight of the fork: 67 kg
- › Ground clearance FEM 2A: 76 mm
- › Ground clearance FEM 2B: 152 mm

Model Fork Drop A	Model Fork Drop B	Type	Weight graduation*	ISO 2328	Extra
		mm	kg		
CB31586	CB95576	2500 economy	2	2	
CB31590	CB95580	2500 economy	2	2	Thermal printer
CB92952	CC05764	2500 performance	1-2	2	Integrated power converter + thermal printer + legal for trade certificate

Technical data

- › Type: 3000 performance
- › Capacity: 3000 kg
- › Fork length: 1150 mm
- › Width of the forks: 153 mm
- › Thickness of the forks: 59 mm
- › Weight of the fork: 79 kg
- › Ground clearance FEM 3A: 76 mm
- › Ground clearance FEM 3B: 203 mm

Model Fork Drop A	Model Fork Drop B	Type	Weight graduation*	ISO 2328	Extra
		mm	kg		
CB97254	CC05766	3000 performance	1-2	3	ISO calibration certificate
CB97256	CC05768	3000 performance	1-2	3	Integrated power converter + ISO calibration certificate
CB97258	CC05770	3000 performance	1-2	3	Integrated power converter + thermal printer + ISO calibration certificate
CB97260	CC05772	3000 performance	1-2	3	Integrated power converter + Bluetooth output for communication with PDA + ISO calibration certificate
CB92954	CC05774	3000 performance	1-2	3	Integrated power converter + thermal printer + Legal for trade certificate

Technical data

- › Type: 5000 performance
- › Capacity: 5000 kg
- › Fork length: 1150 mm
- › Width of the forks: 173 mm
- › Thickness of the forks: 74 mm
- › Weight of the fork: 119 kg
- › Ground clearance FEM 3A: 76 mm
- › Ground clearance FEM 3B: 203 mm

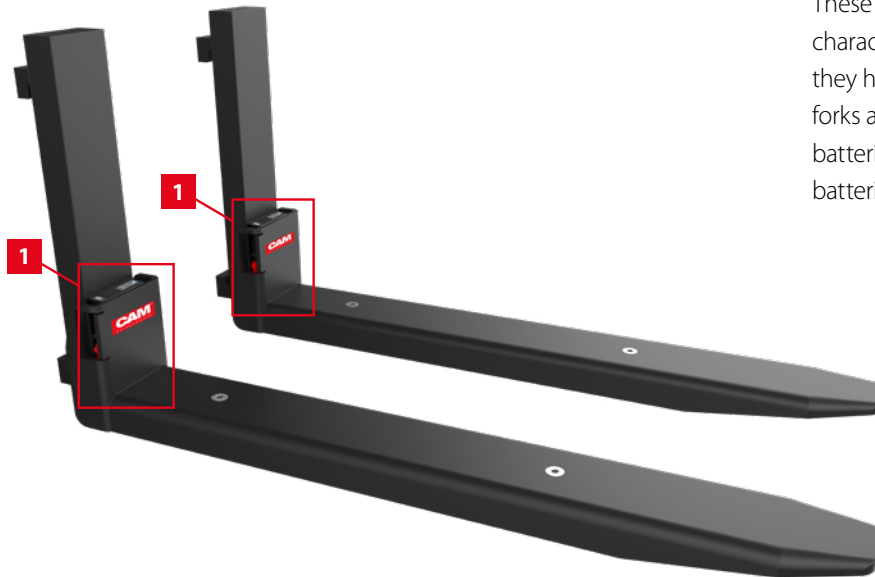
Model Fork Drop A	Model Fork Drop B	Type	Weight graduation*	ISO 2328	Extra
		mm	kg		
CB97262	CC05776	5000 performance	1-2	3	ISO calibration certificate
CB97264	CC05778	5000 performance	1-2	3	Integrated power converter + ISO calibration certificate
CB31596	CC05780	5000 performance	2-5	3	Integrated power converter + thermal printer + ISO calibration certificate
CB97266	CC05782	5000 performance	2-5	3	Integrated power converter + Bluetooth output for communication with PDA + ISO calibration certificate
CB92956	CC05784	5000 performance	2-5	3	Integrated power converter + thermal printer + Legal for trade certificate

* 1-2 kg => 0-1000 kg: per kg, > 1000 kg: per 2 kg
2-5 kg => 0-2000 kg: per 2 kg, > 2000 kg: per 5 kg

› See this attachment in action



Weighing fork with lithium battery



These type of weighing forks have the same characteristics as the normal weighing forks but they have one extra benefit: these weighing forks are equipped with a lithium battery. These batteries have a longer lifespan than normal batteries.

Benefits

- Low installation costs mean a lower initial investment and higher return on investment.
- The minimal displacement of the load centre increases your lifting capacity.
- Excellent view of fork tips: better safety and fewer accidents.
- Scale components are easily accessible and digitally calibrated: you have less maintenance.
- Can be used in combination with fork positioners.

Characteristics

1. Better protected battery pack
Lithium battery has a longer life span than normal batteries
2. Each fork has its own rechargeable battery pack and a charger for both batteries
3. Digital calibration
4. Bluetooth data transfer
5. Automatic shut-off function for optimal battery life
6. Automatic and manual zero correction
7. Automatic tare and manual tare weight entry
8. Capacity: 2500, 3000 or 5000 kg
9. Weight correction for forklift mast tilt
10. 5-minute installation





Technical data

- Type iForks: 32
- Capacity: 2500 kg
- Fork length: 1150 mm
- Width of the forks: 135 mm
- Thickness of the forks: 45 mm
- Weight of the fork: 65 kg
- Ground clearance FEM 2A: 76 mm
- Ground clearance FEM 2B: 152 mm

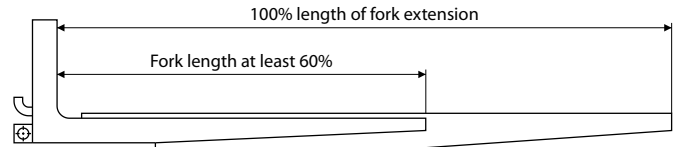
Model Fork Drop A	Model Fork Drop B	Type	Weight graduation*	ISO 2328	Extra
		mm	kg		
CC05748	CC05750	2500 performance	1-2	2	ISO calibration certificate
CC05752	CC05754	2500 performance	1-2	2	Integrated power converter + ISO calibration certificate
CC05756	CC05758	2500 performance	1-2	2	Integrated power converter + thermal printer + ISO calibration certificate
CC05760	CC05762	2500 performance	1-2	2	Integrated power converter + bluetooth output for communication with PDA + ISO calibration certificate

* 1-2 kg => 0-1000 kg: per kg, > 1000 kg: per 2 kg
2-5 kg => 0-2000 kg: per 2 kg, > 2000 kg: per 5 kg

➤ See this
attachment
in action



Fork extension closed



Technical data

- Material thickness: 6 mm up to fork section 150 x 50 mm
- Material thickness: 8 mm starting from fork section 150 x 60 mm
- Supplied with locking pin

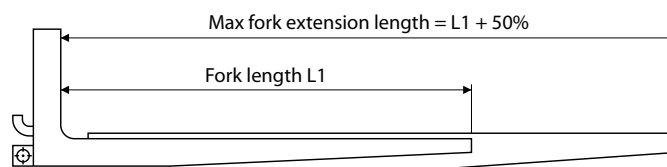
Fork section W1 x T1 mm	REF length of fork extension								
	1200 mm	1400 mm	1500 mm	1600 mm	1800 mm	2000 mm	2200 mm	2400 mm	2500 mm
80 x 40	BE68072	BE68098	BE68124	BE68150	BE68176	BE68202	BE68228	BE68254	BE68280
100 x 40	BE68074	BE68100	BE68126	BE68152	BE68178	BE68204	BE68230	BE68256	BE68282
100 x 45	BE68078	BE68104	BE68130	BE68156	BE68182	BE68208	BE68234	BE68260	BE68286
100 x 50	BE68076	BE68102	BE68128	BE68154	BE68180	BE68206	BE68232	BE68258	BE68284
120 x 40	BG06500	BG06504	BG06508	BG06512	BG06516	BG06520	BG06524	BG06528	BG06532
120 x 50	BE68080	BE68106	BE68132	BE68158	BE68184	BE68210	BE68236	BE68262	BE68288
125 x 40	BE68082	BE68108	BE68134	BE68160	BE68186	BE68212	BE68238	BE68264	BE68290
125 x 45	BE68084	BE68110	BE68136	BE68162	BE68188	BE68214	BE68240	BE68266	BE68292
125 x 50	BG19716	BG19718	BG19720	BG19722	BF33930	BG19724	BG19726	BG19728	BG19730
130 x 45	BE68086	BE68112	BE68138	BE68164	BE68190	BE68216	BE68242	BE68268	BE68294
130 x 50	BE68088	BE68114	BE68140	BE68166	BE68192	BE68218	BE68244	BE68270	BE68296
130 x 60	BE68090	BE68116	BE68142	BE68168	BE68194	BE68220	BE68246	BE68272	BE68298
140 x 50	BE68092	BE68118	BE68144	BE68170	BE68196	BE68222	BE68248	BE68274	BE68300
150 x 50	BE68094	BE68120	BE68146	BE68172	BE68198	BE68224	BE68250	BE68276	BE68302
150 x 60	BE68096	BE68122	BE68148	BE68174	BE68200	BE68226	BE68252	BE68278	BE68304
150 x 70	BG06502	BG06506	BG06510	BG06514	BG06518	BG06522	BG06526	BG06530	BG06534
	1220 mm	1370 mm	1525 mm	1829 mm	1982 mm	2134 mm	2440 mm		
100 x 50	BH18336	BH18338	BH18340	BH18342	BH18344	BG88958	BH18346		
130 x 50	BG88960	BG88962	BG88964	BG88966	BG88968	BG88970	BG88972		
150 x 60	BH18348	BH18350	BH18352	BG88976	BG88978	BG88980	BH18354		

The exesiting fork must support at least 60% of the extension length
 Conforms to ISO 13284
 Made in Europe

Available on request

- Other sizes
- Prices on request

Fork extension open



Technical data

- Material thickness: 8 mm
- Supplied with locking pin

Fork section W1 x T1 mm	REF length of fork extension								
	1200 mm	1400 mm	1500 mm	1600 mm	1800 mm	2000 mm	2200 mm	2400 mm	2500 mm
80 x 40	BF98760	BF98788	BF98816	BF98844	BF98872	BF98900	BG06550	BG06574	BG06598
100 x 40	BF98762	BF98790	BF98818	BF98846	BF98874	BF98902	BG06552	BG06576	BG06600
100 x 45	BF98764	BF98792	BF98820	BF98848	BF98876	BF98904	BG06554	BG06578	BG06602
100 x 50	BF98766	BF98794	BF98822	BF98850	BF98878	BF98906	BG06556	BG06580	BG06604
120 x 40	BG06536	BG06538	BG06540	BG06542	BG06544	BG06546	BG06548	BG06572	BG06596
120 x 50	BF98768	BF98796	BF98824	BF98852	BF98880	BF98908	BG06558	BG06582	BG06606
125 x 40	BF98770	BF98798	BF98826	BF98854	BF98882	BF98910	BG06560	BG06584	BG06608
125 x 45	BF98772	BF98800	BF98828	BF98856	BF98884	BF98912	BG06620	BG06622	BG06624
125 x 50	BF98774	BF98802	BF98830	BF98858	BF98886	BF98914	BG06562	BG06586	BG06610
130 x 45	BF98776	BF98804	BF98832	BF98860	BF98888	BF98916	BG06564	BG06588	BG06612
130 x 50	BF98778	BF98806	BF98834	BF98862	BF98890	BF98918	BG06566	BG06590	BG06614
140 x 50	BF98782	BF98810	BF98838	BF98866	BF98894	BF98922	BG06568	BG06592	BG06616
150 x 50	BF98784	BF98812	BF98840	BF98868	BF98896	BF98924	BG06570	BG06594	BG06618

Fork extension length should not exceed original fork length by more than 50%

Conforms to ISO 13284

Made in Europe

Available on request

- Other sizes
- Prices on request