



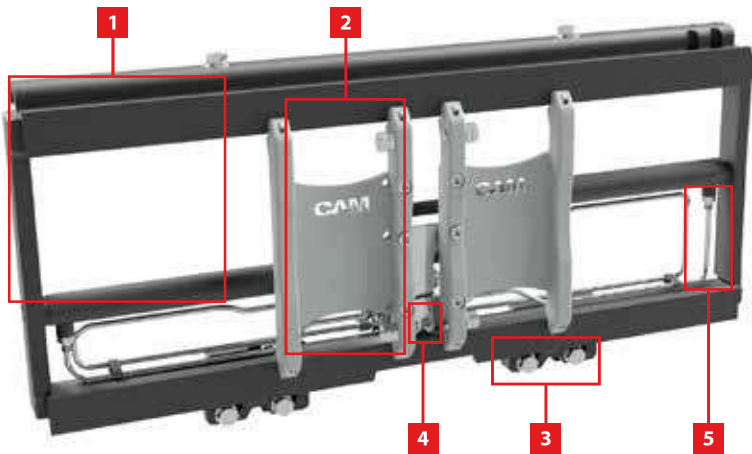
2. Fork positioners

Fork positioners allow 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.

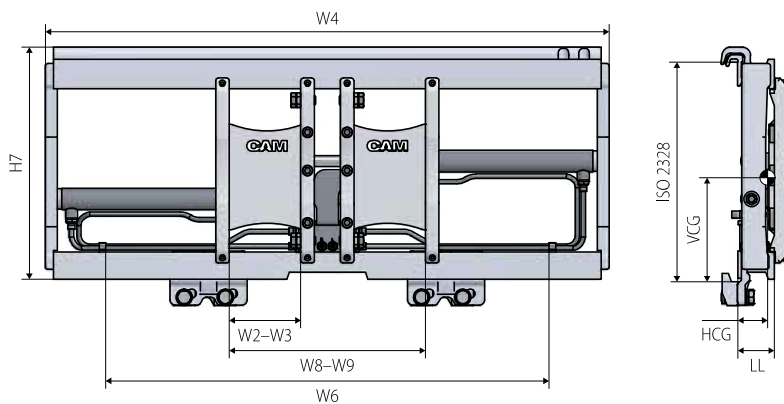
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Fork positioner with FEM fork carriers without sideshifter



The PH fork positioner allows for easy positioning of the lift truck forks. It has galvanised fork pockets which can easily be mounted by just sliding them over the frame. Galvanised steel increases the strength and durability of the fork positioner. The oil circuit hoses are made from the same material, making them just as tough. Not only is this fork positioner strong, it's also focused on safety. The open design gives the driver better visibility through the body, making things safer for everybody. This model does not come with a sideshifter. The fork positioner is easily attached to the lift truck carriage.



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 – Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length FEM2-FEM3: 1800 mm
- > Maximum advised fork length FEM4: 2400 mm
- > Without separate sideshifter
- > Standard lift truck forks can be easily fitted

Model	Capacity kg/mm	W8–W9 mm	W4 mm	W6 mm	W2–W3 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PH25.092	2500/600	360-850	920	800	80-130	435	67	36	197	66	2	2050
PH25.098	2500/600	360-910	980	800	80-130	435	67	36	197	68	2	2080
PH25.102	2500/600	360-950	1020	800	80-130	435	67	36	198	70	2	2150
PH25.104	2500/600	360-970	1040	800	80-130	435	67	36	198	71	2	2150
PH25.110	2500/600	360-1030	1100	800	80-130	435	67	36	199	73	2	2180
PH25.115	2500/600	360-1080	1150	800	80-130	435	67	36	199	75	2	2190
PH35.105	3500/500	360-980	1050	900	100-130	539	77	40	267	104	3	2740
PH35.110	3500/500	360-1030	1100	900	100-130	539	77	40	268	107	3	2770
PH35.115	3500/500	360-1080	1150	900	100-130	539	77	40	269	110	3	2880
PH35.125	3500/500	360-1180	1250	900	100-130	539	77	40	270	116	3	3230
PH50.115	5000/500	410-1020	1150	900	120-150	539	79	44	255	128	3	3280
PH50.125	5000/500	410-1120	1250	1000	120-150	539	79	44	255	136	3	3360
PH50.135	5000/500	410-1220	1350	1100	120-150	539	79	44	255	143	3	3470
PH50.170	5000/500	410-1570	1700	1250	120-150	539	79	44	253	170	3	4200
PH55.120	5500/600	460-1050	1200	900	120-150	674	100	55	346	228	4	4140
PH55.135	5500/600	460-1200	1350	1050	120-150	674	100	55	346	252	4	4330
PH55.150	5500/600	460-1350	1500	1150	120-150	674	100	55	352	264	4	4590
PH55.170	5500/600	460-1550	1700	1250	120-150	674	100	55	355	288	4	5110
PH70.120	7000/600	460-1010	1200	1000	120-150	674	100	54	332	255	4	4360
PH70.135	7000/600	460-1160	1350	1000	120-150	674	100	54	333	285	4	4590
PH70.150	7000/600	460-1310	1500	1150	120-150	674	100	54	334	301	4	4820
PH70.180	7000/600	460-1610	1800	1300	120-150	674	100	54	336	342	4	5330
PH70.200	7000/600	460-1810	2000	1500	120-150	674	100	54	337	369	4	5840
PH70.220	7000/600	460-2010	2200	1700	120-150	674	100	54	338	397	4	6340
PH80.120	8000/600	460-1010	1200	1000	120-150	674	100	54	330	265	4	4630
PH80.150	8000/600	460-1310	1500	1150	120-150	674	100	54	332	311	4	5090
PH80.180	8000/600	460-1610	1800	1300	120-150	674	100	54	334	352	4	5610
PH80.200	8000/600	460-1810	2000	1500	120-150	674	100	54	335	379	4	6110
PH80.220	8000/600	460-2010	2200	1700	120-150	674	100	54	336	407	4	6660
PH120.180	12000/600	540-1580	1800	1400	150-200	697	130	67	357	425	4	9290
PH120.200	12000/600	540-1780	2000	1600	150-200	697	130	69	352	470	4	9710
PH120.220	12000/600	540-1980	2200	1800	150-200	697	130	70	347	505	4	10230

Attachment not recommended for clamping between forks

Advantages

- > Easy to mount the forks
- > Increased safety with better visibility through the frame
- > Galvanised steel fork pockets and oil circuit hoses
- > Easy-to-mount fork pockets
- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

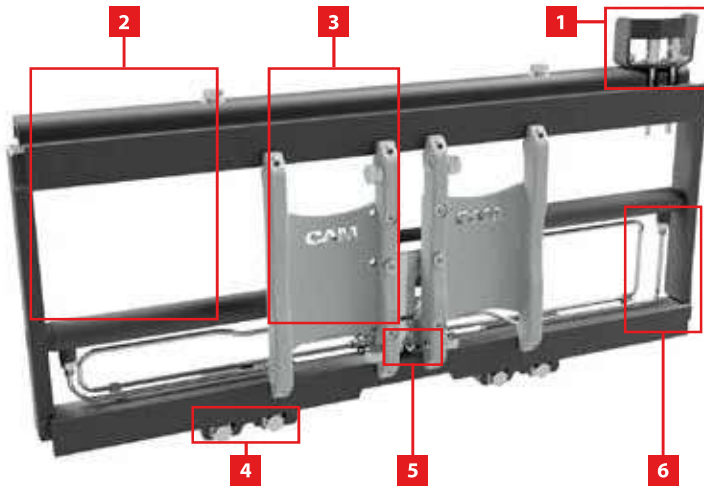
Available on request

- > Load backrest
- > Model with automatic synchronism

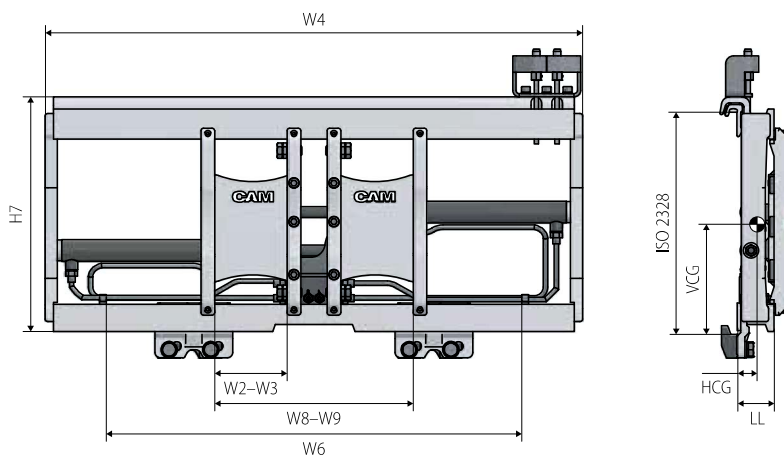
> See this attachment in action



Fork positioner with FEM fork carriers without sideshifter



The PH.SIN fork positioner attachment has a hose connection on the upper left side, enabling quick and easy installation onto the fork carriage. Maintenance has been made far more user friendly thanks to the modified cylinder fixing plate which allows for easier access to fittings. The easy-to-mount fork pockets and the oil circuit hoses of the PH fork positioner are made of galvanised steel. It's strong, durable and able to handle every task. The open design of this model increases the driver's visibility through the body, ensuring a safer workplace for everybody. This model does not come with a sideshifter. The fork positioner is easily attached to the lift truck carriage.



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 data

- > W6 – Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 1800 mm
- > Without separate sideshifter
- > Standard lift truck forks can be easily fitted

Model	Capacity kg/mm	W8–W9 mm	W4 mm	W6 mm	W2–W3 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PH25.092.SIN	2500/600	360-850	920	800	80-130	435	67	36	197	66	2	2050
PH25.098.SIN	2500/600	360-910	980	800	80-130	435	67	36	201	68	2	2080
PH25.102.SIN	2500/600	360-950	1020	800	80-130	435	67	36	201	70	2	2150
PH25.104.SIN	2500/600	360-970	1040	800	80-130	435	67	36	201	71	2	2150
PH25.110.SIN	2500/600	360-1030	1100	800	80-130	435	67	36	202	73	2	2180
PH25.115.SIN	2500/600	360-1080	1150	800	80-130	435	67	36	202	75	2	2190
PH35.105.SIN	3500/500	360-980	1050	900	100-130	539	77	40	270	105	3	2740
PH35.110.SIN	3500/500	360-1030	1100	900	100-130	539	77	40	271	108	3	2770
PH35.115.SIN	3500/500	360-1080	1150	900	100-130	539	77	40	272	111	3	2880
PH35.125.SIN	3500/500	360-1180	1250	900	100-130	539	77	40	273	117	3	3230
PH50.115.SIN	5000/500	410-1020	1150	900	120-150	539	79	44	258	129	3	3280
PH50.125.SIN	5000/500	410-1120	1250	1000	120-150	539	79	44	258	137	3	3360
PH50.135.SIN	5000/500	410-1220	1350	1100	120-150	539	79	44	258	144	3	3470
PH50.170.SIN	5000/500	410-1570	1700	1250	120-150	539	79	44	256	171	3	4200
PH55.120.SIN	5500/600	460-1050	1200	900	120-150	674	100	55	349	229	4	4140
PH55.135.SIN	5500/600	460-1200	1350	1050	120-150	674	100	55	349	253	4	4330
PH55.150.SIN	5500/600	460-1350	1500	1150	120-150	674	100	55	355	265	4	4590
PH55.170.SIN	5500/600	460-1550	1700	1250	120-150	674	100	55	358	289	4	5110

Attachment not recommended for clamping between forks

Advantages

- > Easy installation on lift trucks with compact space behind the carriage
- > Easy to mount the forks
- > Increased safety with better visibility through the frame
- > Galvanised steel fork pockets and oil circuit hoses
- > Easy-to-mount fork pockets
- > Easy to attach
- > Expertly manufactured
- > High mechanical strength

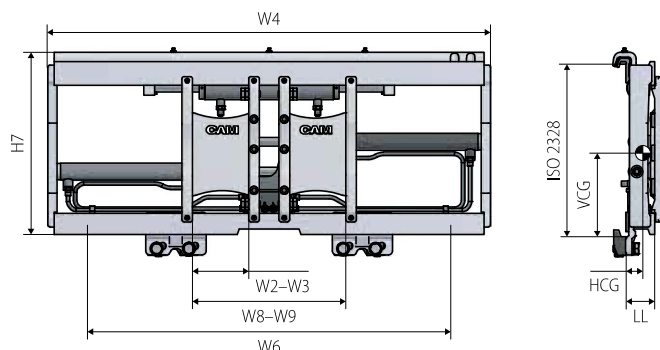
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- > Load backrest
- > Model with automatic synchronism

> See this attachment in action



Fork positioner with FEM fork carriers with sidershifter



Technical data

- > W6 – Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length FEM2-FEM3: 1800 mm
- > Maximum advised fork length FEM4: 2400 mm
- > With separate sidershifter
- > Standard lift truck forks can be easily fitted
- > Total sidershifter stroke: 100 + 100 mm (FEM 2 - FEM 3)
- > Total sidershifter stroke: 150 + 150 mm (FEM 4)

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	W2-W3 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PH25T.092	2500/600	360-850	920	800	80-130	435	68	36	213	71	2	2140
PH25T.098	2500/600	360-910	980	800	80-130	435	68	36	215	75	2	2160
PH25T.102	2500/600	360-950	1020	800	80-130	435	68	36	215	76	2	2220
PH25T.104	2500/600	360-970	1040	800	80-130	435	68	36	215	78	2	2220
PH25T.110	2500/600	360-1030	1100	800	80-130	435	68	36	215	81	2	2250
PH25T.115	2500/600	360-1080	1150	800	80-130	435	68	36	215	83	2	2260
PH35T.105	3500/500	160-980	1050	900	100-130	539	78	40	287	110	3	2780
PH35T.110	3500/500	360-1030	1100	900	100-130	539	78	40	287	115	3	2820
PH35T.115	3500/500	360-1080	1150	900	100-130	539	78	40	287	120	3	2940
PH35T.125	3500/500	360-1180	1250	1000	100-130	539	78	40	287	125	3	3280
PH50T.115	5000/500	410-1020	1150	900	120-150	539	78	41	273	142	3	3340
PH50T.125	5000/500	410-1120	1250	1000	120-150	539	78	41	273	150	3	3450
PH50T.135	5000/500	410-1220	1350	1100	120-150	539	78	41	273	160	3	3530
PH50T.170	5000/500	410-1570	1700	1300	120-150	539	78	41	276	190	3	5760
PH55T.120	5500/600	460-1050	1200	1050	120-150	674	100	53	362	247	4	4230
PH55T.135	5500/600	460-1200	1350	1100	120-150	674	100	53	362	273	4	4450
PH55T.150	5500/600	460-1350	1500	1150	120-150	674	100	53	366	284	4	4680
PH55T.170	5500/600	460-1550	1700	1350	120-150	674	100	53	370	311	4	5190
PH70T.120	7000/600	460-1010	1200	1150	120-150	674	100	53	345	278	4	4440
PH70T.135	7000/600	460-1160	1350	1150	120-150	674	100	53	348	310	4	4660
PH70T.150	7000/600	460-1310	1500	1300	120-150	674	100	53	348	320	4	4900
PH70T.180	7000/600	460-1610	1800	1300	120-150	674	100	53	353	365	4	5410
PH70T.200	7000/600	460-1810	2000	1500	120-150	674	100	53	353	395	4	5930
PH70T.220	7000/600	460-2010	2200	1700	120-150	674	100	53	353	425	4	6460
PH80T.120	8000/600	460-1010	1200	1150	120-150	674	100	56	343	288	4	4760
PH80T.150	8000/600	460-1310	1500	1300	120-150	674	100	56	346	322	4	5170
PH80T.180	8000/600	460-1610	1800	1300	120-150	674	100	56	351	375	4	5690

Attachment not recommended for clamping between forks

Model	Capacity	W8-W9	W4	W6	W2-W3	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PH80T.200	8000/600	460-1810	2000	1500	120-150	674	100	56	351	405	4	6230
PH80T.220	8000/600	460-2010	2200	1700	120-150	674	100	56	351	435	4	6740
PH120T.180	12000/600	540-1580	1800	1400	150-200	697	130	67	355	465	4	9390
PH120T.200	12000/600	540-1780	2000	1600	150-200	697	130	67	355	508	4	9790
PH120T.220	12000/600	540-1980	2200	1800	150-200	697	130	67	355	545	4	10320

Attachment not recommended for clamping between forks

The PH-T lift truck fork positioner is strong, durable and easy to use. The galvanised steel fork pockets make it easy to mount the forks: they slide easily over the frame. Galvanised steel is also used for the oil circuit hoses, ensuring optimal strength and durability. This fork positioner has an open design that allows the driver to see better through the body, improving safety for everyone. This model also comes with a separate sideshifter. The fork positioner is easily attached to the lift truck carriage.

Advantages

- > Easily mount own forks
- > Increased safety with more through-body visibility
- > Galvanised steel fork pockets and oil circuit hoses
- > Easy-to-mount fork pockets
- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

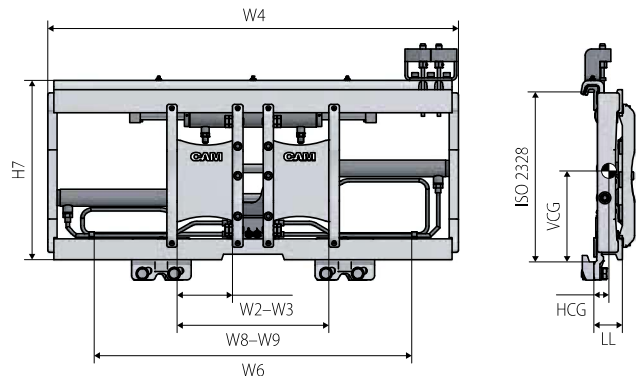
Available on request

- > Load backrest
- > Upper and lower bronze bushing
- > Model with automatic synchronism

- > See this attachment in action



Fork positioner with FEM fork carriers with sideshifter



Technical data

- > W6– Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 1800 mm
- > With separate sideshifter
- > Standard lift truck forks can be easily fitted
- > Total sideshifter stroke: 100 + 100 mm (FEM 2 - FEM 3)

Model	Capacity kg/mm	W8–W9 mm	W4 mm	W6 mm	W2–W3 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PH25T.092.SIN	2500/600	360-850	920	800	80-130	435	68	36	215	72	2	2140
PH25T.098.SIN	2500/600	360-910	980	800	80-130	435	68	36	217	75	2	2160
PH25T.102.SIN	2500/600	360-950	1020	800	80-130	435	68	36	217	76	2	2220
PH25T.104.SIN	2500/600	360-970	1040	800	80-130	435	68	36	217	78	2	2220
PH25T.110.SIN	2500/600	360-1030	1100	800	80-130	435	68	36	217	81	2	2250
PH25T.115.SIN	2500/600	360-1080	1150	800	80-130	435	68	36	217	83	2	2260
PH35T.105.SIN	3500/500	360-980	1050	900	100-130	539	78	40	289	111	3	2720
PH35T.110.SIN	3500/500	360-1030	1100	900	100-130	539	78	40	289	116	3	2820
PH35T.115.SIN	3500/500	360-1080	1150	900	100-130	539	78	40	289	121	3	2940
PH35T.125.SIN	3500/500	360-1180	1250	900	100-130	539	78	40	289	126	3	3280
PH50T.115.SIN	5000/500	410-1020	1150	900	120-150	539	78	41	273	142	3	3340
PH50T.125.SIN	5000/500	410-1120	1250	1000	120-150	539	78	41	273	150	3	3450
PH50T.135.SIN	5000/500	410-1220	1350	1100	120-150	539	78	41	273	160	3	3530
PH50T.170.SIN	5000/500	410-1570	1700	1300	120-150	539	78	41	276	190	3	5760
PH55T.120.SIN	5500/600	460-1050	1200	1050	120-150	674	100	53	362	247	4	4230
PH55T.135.SIN	5500/600	460-1200	1350	1100	120-150	674	100	53	362	273	4	4450
PH55T.150.SIN	5500/600	460-1350	1500	1150	120-150	674	100	53	366	284	4	4680

Installing the PH-T.SIN fork positioner is quick and easy. It has a hose connection on the upper left side and mounts onto the fork carriage. Maintenance has been made far more user friendly thanks to the modified cylinder fixing plate which allows for easier access to fittings.. The galvanised steel fork pockets and oil circuit hoses make this PH fork positioner particularly strong and durable. And the open design offers increased safety and better visibility for the driver through the body. The fork positioner is easily attached to the lift truck carriage.

Advantages

- > Easy installation on lift trucks with compact space behind the carriage
- > Easy to mount the forks
- > Increased safety with better visibility through the frame
- > Galvanised steel fork pockets and oil circuit hoses
- > Easy-to-mount fork pockets
- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

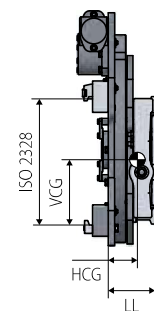
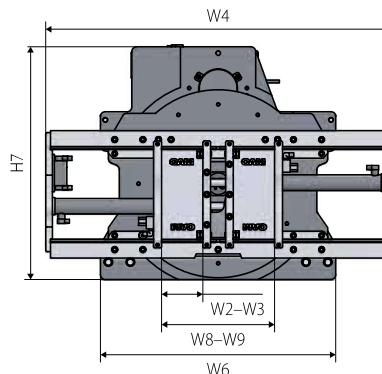
Available on request

- > Load backrest
- > Upper and lower bronze bushing
- > Model with automatic synchronism of pockets

> See this attachment in action



Rotating fork positioner with FEM fork carriers 360°



Technical data

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

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	W2-W3 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PHR25.092	2500/500	360-850	920	750	100-125	677	193	93	270	283	2	10080
PHR25.102	2500/500	360-950	1020	750	100-125	677	193	94	270	288	2	10160
PHR25.110	2500/500	360-1030	1100	750	100-125	677	193	96	270	292	2	10320
PHR25.115	2500/500	360-1080	1150	750	100-125	677	193	96	270	295	2	10560
PHR35.110	3500/500	430-1030	1100	900	100-130	775	213	105	320	378	3	12640
PHR35.115	3500/500	430-1080	1150	900	100-130	775	213	106	320	383	3	12740
PHR35.125	3500/500	430-1180	1250	900	100-130	775	213	107	320	391	3	12830

Attachment not recommended for clamping between forks

The PHR positioner combines the practicality of the PH series fork positioner with the usefulness of rotating plates. The combination of these functions allow the operator full control of the positioning and rotation of the forks from the driver's seat, resulting in unloading or turning of loads with ease and precision.

Advantages

- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

Options

Separate sideshifting 100+100 for ISO/FEM 2
 Separate sideshifting 100+100 for ISO/FEM 3
 Quick-release lower mountings, class 2 or class 3

RRP

Euro

1145
 1670
 605

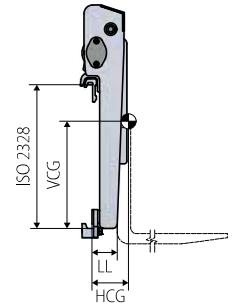
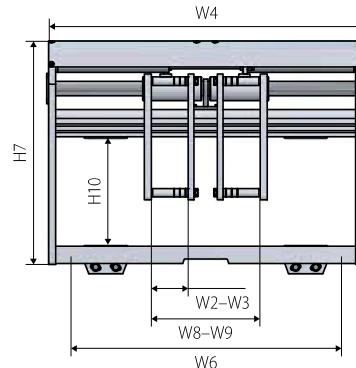
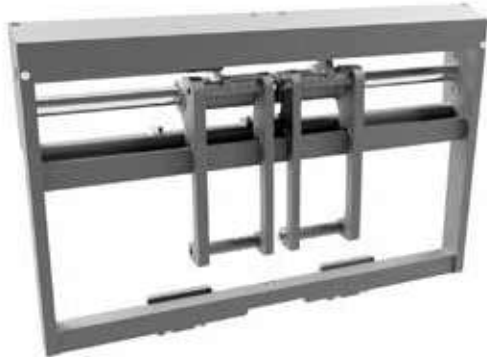
Available on request

- > Load backrest

- > See this attachment in action



Fork positioner with bar-mounted FEM fork carriers without sideshifter



Technical data

- > W6 – Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 1800 mm
- > Self-lubricating upper sliding bushes
- > With chromed round upper bar
- > Without separate sideshifter
- > Standard lift truck forks can be easily fitted

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	W2-W3 mm	H10 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PL25.092	2500/600	340-790	920	800	80-130	300	670	70	38	368	106	2	2770
PL25.098	2500/600	340-850	980	800	80-130	300	670	70	38	368	109	2	2830
PL25.104	2500/600	340-910	1040	800	80-130	300	670	70	38	368	113	2	2900
PL25.110	2500/600	340-970	1100	800	80-130	300	670	70	38	368	118	2	3000
PL25.115	2500/600	340-1020	1150	800	80-130	300	670	70	38	368	121	2	3070
PL25.125	2500/600	340-1120	1250	800	80-130	300	670	70	38	368	128	2	3180
PL25.130	2500/600	340-1170	1300	800	80-130	300	670	70	38	368	131	2	3260
PL25.135	2500/600	340-1220	1350	950	80-130	300	670	70	38	368	133	2	3360
PL25.140	2500/600	340-1270	1400	950	80-130	300	670	70	38	368	135	2	3460
PL25.145	2500/600	340-1320	1450	950	80-130	300	670	70	38	368	136	2	3550
PL35.110	3500/500	380-960	1100	900	100-130	385	780	80	43	443	162	3	3480
PL35.115	3500/500	380-1010	1150	900	100-130	385	780	80	43	443	168	3	3650
PL35.125	3500/500	380-1110	1250	1000	100-130	385	780	80	43	443	177	3	3740
PL35.130	3500/500	380-1160	1300	1000	100-130	385	780	80	43	443	181	3	3840
PL35.135	3500/500	380-1210	1350	1000	100-130	385	780	80	43	443	184	3	3940
PL35.140	3500/500	380-1260	1400	1100	100-130	385	780	80	43	443	188	3	4130
PL35.145	3500/500	380-1310	1450	1100	100-130	385	780	80	43	443	193	3	4220
PL35.150	3500/500	380-1360	1500	1150	100-130	385	780	80	43	443	198	3	4320
PL50.110	5000/500	380-960	1100	900	100-150	365	780	80	43	421	170	3	3630
PL50.115	5000/500	380-1010	1150	900	100-150	365	780	80	43	421	176	3	3750
PL50.125	5000/500	380-1110	1250	1000	100-150	365	780	80	43	419	188	3	3840
PL50.130	5000/500	380-1160	1300	1000	100-150	365	780	80	43	419	194	3	3920
PL50.135	5000/500	380-1210	1350	1000	100-150	365	780	80	43	419	197	3	4010
PL50.140	5000/500	380-1260	1400	1100	100-150	365	780	80	43	417	200	3	4130
PL50.145	5000/500	380-1310	1450	1100	100-150	365	780	80	43	417	205	3	4220
PL50.150	5000/500	380-1360	1500	1150	100-150	365	780	80	43	417	210	3	4320

Attachment not recommended for clamping between forks

Model	Capacity	W8-W9	W4	W6	W2-W3	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PL50.155	5000/500	380-1410	1550	1250	100-150	365	780	80	43	417	215	3	4410
PL50.160	5000/500	380-1460	1600	1250	100-150	365	780	80	43	417	220	3	4530
PL50.165	5000/500	380-1510	1650	1300	100-150	365	780	80	43	417	225	3	4610

Attachment not recommended for clamping between forks

Advantages

- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

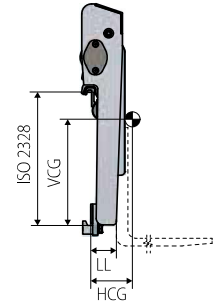
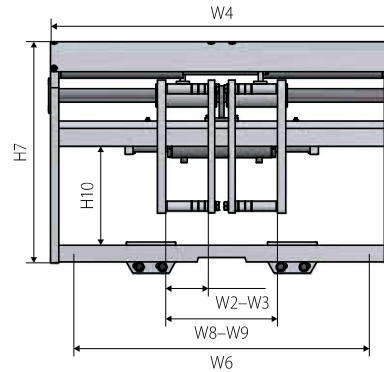
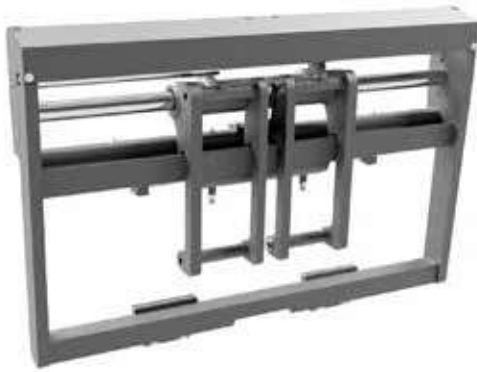
Available on request

- > Load Backrest

> See this attachment in action



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



Technical data

- > W6 – Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 1800 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 kg/mm	W8–W9 mm	W4 mm	W6 mm	W2–W3 mm	H10 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PL25T.092	2500/600	340-790	920	800	80/130	300	670	70	38	369	112	2	2900
PL25T.098	2500/600	340-850	980	800	80/130	300	670	70	38	369	115	2	2990
PL25T.104	2500/600	340-910	1040	800	80/130	300	670	70	38	369	120	2	3040
PL25T.110	2500/600	340-970	1100	900	80/130	300	670	70	38	369	122	2	3130
PL25T.115	2500/600	340-1020	1150	900	80/130	300	670	70	38	369	128	2	3230
PL25T.125	2500/600	340-1120	1250	950	80/130	300	670	70	38	369	132	2	3310
PL25T.130	2500/600	340-1170	1300	950	80/130	300	670	70	38	369	135	2	3400
PL25T.135	2500/600	340-1220	1350	1050	80/130	300	670	70	38	369	137	2	3500
PL25T.140	2500/600	340-1270	1400	1050	80/130	300	670	70	38	369	140	2	3600
PL25T.145	2500/600	340-1320	1450	1050	80/130	300	670	70	38	369	143	2	3700
PL35T.110	3500/500	380-960	1100	900	100/130	385	780	80	42	449	173	3	3810
PL35T.115	3500/500	380-1010	1150	900	100/130	385	780	80	42	447	177	3	3950
PL35T.125	3500/500	380-1110	1250	1000	100/130	385	780	80	42	447	185	3	4100
PL35T.130	3500/500	380-1160	1300	1000	100/130	385	780	80	42	447	190	3	4180
PL35T.135	3500/500	380-1210	1350	1000	100/130	385	780	80	42	447	195	3	4290
PL35T.140	3500/500	380-1260	1400	1100	100/130	385	780	80	42	447	198	3	4450
PL35T.145	3500/500	380-1310	1450	1100	100/130	385	780	80	42	447	202	3	4550
PL35T.150	3500/500	380-1360	1500	1150	100/130	385	780	80	42	447	206	3	4640
PL50T.110	5000/500	380-960	1100	900	100/150	365	780	80	42	418	185	3	3950
PL50T.115	5000/500	380-1010	1150	900	100/150	365	780	80	42	418	191	3	4100
PL50T.125	5000/500	380-1110	1250	1000	100/150	365	780	80	42	418	208	3	4150
PL50T.130	5000/500	380-1160	1300	1000	100/150	365	780	80	42	418	212	3	4240
PL50T.135	5000/500	380-1210	1350	1000	100/150	365	780	80	42	418	215	3	4350
PL50T.140	5000/500	380-1260	1400	1100	100/150	365	780	80	42	418	218	3	4450
PL50T.145	5000/500	380-1310	1450	1100	100/150	365	780	80	42	416	222	3	4550
PL50T.150	5000/500	380-1360	1500	1150	100/150	365	780	80	42	416	229	3	4640

Attachment not recommended for clamping between forks

Model	Capacity	W8-W9	W4	W6	W2-W3	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PL50T.155	5000/500	380-1410	1550	1250	100/150	365	780	80	42	416	232	3	4730
PL50T.160	5000/500	380-1460	1600	1250	100/150	365	780	80	42	416	240	3	4850
PL50T.165	5000/500	380-1510	1650	1300	100/150	365	780	80	42	416	245	3	4930

Attachment not recommended for clamping between forks

Advantages

- > Easy to attach
- > Expertly manufactured
- > High mechanical strength

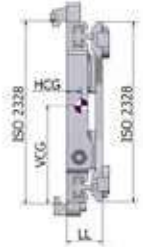
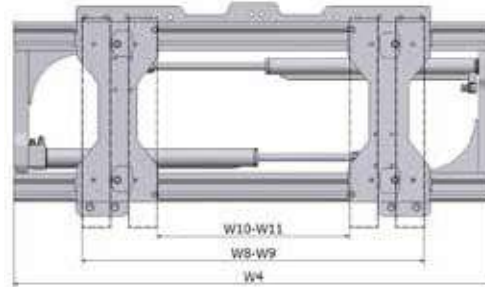
Available on request

- > Load Backrest
- > Upper and lower bushing for hard work

> See this attachment in action



Fork positioner with FEM fork carriers without sideshifter



Technical data

- > W6– Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 2400 mm
- > Linked Cylinder provide perfect synchronization
- > Without sideshifter

Model	Capacity kg/mm	W10-W11 mm	W8-W9 mm	W4 mm	W6 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PK25.100	2500/600	50-680	475-1105	1000	880	96	37	223	110	2	4460
PK25.105	2500/600	50-730	475-1155	1050	910	96	37	223	112	2	4530
PK25.110	2500/600	50-780	475-1205	1100	910	96	37	223	115	2	4570
PK25.115	2500/600	50-830	475-1255	1150	1010	96	37	223	117	2	4640
PK25.125	2500/600	50-930	475-1355	1250	1165	96	37	223	122	2	4800
PK25.135	2500/600	50-1030	475-1455	1350	1165	96	37	223	127	2	4870
PK35.105	3500/600	50-730	475-1155	1050	910	101	41	274	122	3	4560
PK35.110	3500/600	50-780	475-1205	1100	910	101	41	274	125	3	4620
PK35.115	3500/600	50-830	475-1255	1150	1010	101	41	274	127	3	4690
PK35.125	3500/600	50-930	475-1355	1250	1065	101	41	274	132	3	4810
PK35.135	3500/600	50-1030	475-1455	1350	1165	101	41	274	137	3	4920
PK35.155	3500/600	50-1230	475-1655	1550	1320	101	41	274	147	3	5150
PK35.165	3500/600	50-1330	475-1755	1650	1520	101	41	274	157	3	5260
PK50.110	5000/600	60-790	480-1310	1100	920	120	50	257	155	3	5300
PK50.115	5000/600	60-840	480-1260	1150	1010	120	50	257	160	3	5370
PK50.130	5000/600	60-990	480-1410	1300	1165	120	50	257	175	3	5530
PK50.135	5000/600	60-1040	480-1460	1350	1165	120	50	257	180	3	5660
PK50.145	5000/600	60-1140	480-1560	1450	1220	120	50	257	190	3	5770
PK50.150	5000/600	60-1190	480-1610	1500	1320	120	50	257	195	3	5830
PK50.155	5000/600	60-1240	480-1660	1550	1320	120	50	257	200	3	5880
PK50.175	5000/600	60-1440	480-1860	1750	1520	120	50	257	220	3	6520
PK50.185	5000/600	60-1540	480-1960	1850	1670	120	50	257	230	3	6630

PK Fork Positioners series offer the frame with double rugged T-Bar design supported by long lasting, low friction nylon bearings to provide precise handling of loads.

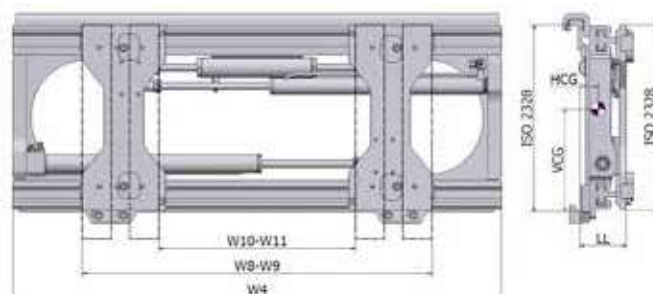
Advantages

- Easy installation on the (triple) forklift mast
- Easy to mount the forks
- Increased safety with better visibility through the frame
- Easy-to-mount fork pockets
- PK25 design accepts 80, 100, 120, 125, 130, 150 mm fork widths
- PK35 design accepts 80, 100, 120, 125, 130, 150 mm fork widths
- PK50 design accepts 120, 125, 130, 150, 180, 200 mm fork widths

Available on request

- Load Backrest

Fork positioner with FEM fork carriers with separate sideshifter



Technical data

- > W6– Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 2400 mm
- > Linked Cylinder provide perfect synchronization
- > Total sideshifter stroke: 100 + 100mm

Model	Capacity kg/mm	W10-W11 mm	W8-W9 mm	W4 mm	W6 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PK25TS.100	2500/600	50-680	475-1105	1000	880	113	53	226	115	2	4590
PK25TS.105	2500/600	50-730	475-1155	1050	910	113	52	226	120	2	4660
PK25TS.110	2500/600	50-780	475-1205	1100	910	113	51	226	121	2	4710
PK25TS.115	2500/600	50-830	475-1255	1150	1010	113	50	226	125	2	4780
PK25TS.125	2500/600	50-930	475-1355	1250	1165	113	49	226	130	2	4940
PK25TS.135	2500/600	50-1030	475-1455	1350	1165	113	48	226	138	2	5010
PK35TS.105	3500/600	50-730	475-1155	1050	910	133	53	283	160	3	4880
PK35TS.110	3500/600	50-780	475-1205	1100	910	133	51	283	167	3	4620
PK35TS.115	3500/600	50-830	475-1255	1150	1010	133	50	283	170	3	5010
PK35TS.125	3500/600	50-930	475-1355	1250	1065	133	49	283	176	3	5130
PK35TS.135	3500/600	50-1030	475-1455	1350	1165	133	48	283	185	3	5240
PK35TS.155	3500/600	50-1230	475-1655	1550	1320	133	47	283	199	3	5470
PK35TS.165	3500/600	50-1330	475-1755	1650	1520	133	46	283	209	3	5580
PK50TS.110	5000/600	60-790	480-1310	1100	920	152	78	291	189	3	5300
PK50TS.115	5000/600	60-840	480-1260	1150	1010	152	77	291	194	3	5700
PK50TS.130	5000/600	60-990	480-1410	1300	1165	152	76	291	207	3	5530
PK50TS.135	5000/600	60-1040	480-1460	1350	1165	152	75	291	213	3	5990
PK50TS.145	5000/600	60-1140	480-1560	1450	1220	152	74	291	130	3	6100
PK50TS.150	5000/600	60-1190	480-1610	1500	1320	152	73	291	235	3	6160
PK50TS.155	5000/600	60-1240	480-1660	1550	1320	152	72	291	240	3	6220
PK50TS.175	5000/600	60-1440	480-1860	1750	1520	152	71	291	270	3	6860
PK50TS.185	5000/600	60-1540	480-1960	1850	1670	152	70	291	282	3	6960

PK Fork Positioners series offer the frame with double rugged T-Bar design supported by long lasting, low friction nylon bearings to provide precise handling of loads.

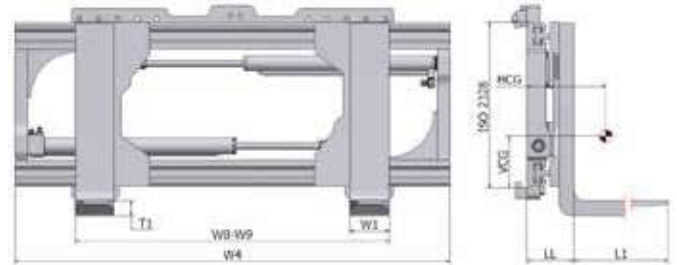
Advantages

- › Easy installation on the (triple) forklift mast
- › Easy to mount the forks
- › Increased safety with better visibility through the frame
- › Easy-to-mount fork pockets
- › PK25TS design accepts 80, 100, 120, 125, 130, 150 mm fork widths
- › PK35TS design accepts 80, 100, 120, 125, 130, 150 mm fork widths
- › PK50TS design accepts 120, 125, 130, 150, 180, 200 mm fork widths

Available on request

- › Load Backrest

Fork positioner with integrated forks without sideshifter



Technical data

- > W6– Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 2400 mm
- > Linked Cylinder provide perfect synchronization
- > Without sideshifter

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	Forks L1 x W1 x T1 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PKF25.100	2500/600	475-1105	1000	880	1200 x 100 x 45	141	234	134	215	2A	5590
PKF25.105	2500/600	475-1155	1050	910	1200 x 100 x 45	141	233	134	217	2A	5660
PKF25.110	2500/600	475-1205	1100	910	1200 x 100 x 45	141	232	134	220	2A	5710
PKF25.115	2500/600	475-1255	1150	1010	1200 x 100 x 45	141	231	134	222	2A	5780
PKF25.125	2500/600	475-1355	1250	1165	1200 x 100 x 45	141	230	134	227	2A	5940
PKF25.135	2500/600	475-1455	1350	1165	1200 x 100 x 45	141	229	134	232	2A	6010
PKF35.105	3500/600	475-1155	1050	910	1200 x 120 x 50	151	221	170	262	3A	6210
PKF35.110	3500/600	475-1205	1100	910	1200 x 120 x 50	151	220	170	265	3A	6270
PKF35.115	3500/600	475-1255	1150	1010	1200 x 120 x 50	151	219	170	267	3A	6340
PKF35.125	3500/600	475-1355	1250	1065	1200 x 120 x 50	151	218	170	272	3A	6460
PKF35.135	3500/600	475-1455	1350	1165	1200 x 120 x 50	151	217	170	277	3A	6570
PKF35.155	3500/600	475-1655	1550	1320	1200 x 120 x 50	151	216	170	287	3A	6800
PKF35.165	3500/600	475-1755	1650	1520	1200 x 120 x 50	151	215	170	297	3A	6920
PKF50.110	5000/600	480-1310	1100	920	1200 x 150 x 60	180	239	157	305	3A	8120
PKF50.115	5000/600	480-1260	1150	1010	1200 x 150 x 60	180	238	157	310	3A	8190
PKF50.130	5000/600	480-1410	1300	1165	1200 x 150 x 60	180	237	157	325	3A	8350
PKF50.135	5000/600	480-1460	1350	1165	1200 x 150 x 60	180	236	157	330	3A	8480
PKF50.145	5000/600	480-1560	1450	1220	1200 x 150 x 60	180	235	157	340	3A	8590
PKF50.150	5000/600	480-1610	1500	1320	1200 x 150 x 60	180	234	157	345	3A	8650
PKF50.155	5000/600	480-1660	1550	1320	1200 x 150 x 60	180	233	157	350	3A	8710
PKF50.175	5000/600	480-1860	1750	1520	1200 x 150 x 60	180	232	157	370	3A	9350
PKF50.185	5000/600	480-1960	1850	1670	1200 x 150 x 60	180	231	157	380	3A	9450

PK Fork Positioners series offer the frame with double rugged T-Bar design supported by long lasting, low friction nylon bearings to provide precise handling of loads.

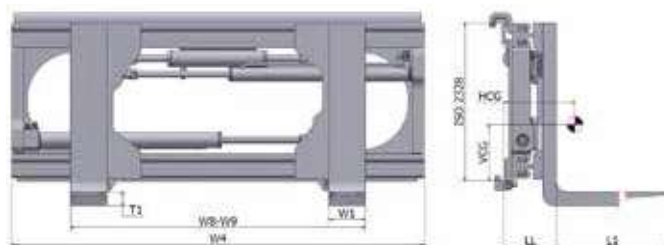
Advantages

- > Easy installation on the (triple) forklift mast
- > Easy to mount the forks
- > Increased safety with better visibility through the frame
- > Easy-to-mount fork pockets

Available on request

- > Load backrest
- > Other fork dimensions
- > Model with minimum internal opening 5 mm
- > Model with bolted forks

Fork positioner with integrated forks with separate sideshifter



Technical data

- > W6– Minimum width lift truck carriage
- > Technical data without forks
- > Maximum advised fork length: 2400 mm
- > Linked Cylinder provide perfect synchronization
- > Total sideshifter stroke: 100 + 100 mm

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	Forks L1 x W1 x T1 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PKF25TS.100	2500/600	475-1105	1000	880	1200 x 100 x 45	158	250	137	220	2A	5730
PKF25TS.105	2500/600	475-1155	1050	910	1200 x 100 x 45	158	249	137	225	2A	5800
PKF25TS.110	2500/600	475-1205	1100	910	1200 x 100 x 45	158	248	137	226	2A	5580
PKF25TS.115	2500/600	475-1255	1150	1010	1200 x 100 x 45	158	247	137	230	2A	5920
PKF25TS.125	2500/600	475-1355	1250	1165	1200 x 100 x 45	158	246	137	235	2A	6080
PKF25TS.135	2500/600	475-1455	1350	1165	1200 x 100 x 45	158	245	137	243	2A	6150
PKF35TS.105	3500/600	475-1155	1050	910	1200 x 120 x 50	183	233	179	300	3A	6530
PKF35TS.110	3500/600	475-1205	1100	910	1200 x 120 x 50	183	231	179	307	3A	6270
PKF35TS.115	3500/600	475-1255	1150	1010	1200 x 120 x 50	183	230	179	310	3A	6660
PKF35TS.125	3500/600	475-1355	1250	1065	1200 x 120 x 50	183	229	179	316	3A	6780
PKF35TS.135	3500/600	475-1455	1350	1165	1200 x 120 x 50	183	228	179	325	3A	6890
PKF35TS.155	3500/600	475-1655	1550	1320	1200 x 120 x 50	183	227	179	339	3A	7120
PKF35TS.165	3500/600	475-1755	1650	1520	1200 x 120 x 50	183	226	179	349	3A	7240
PKF50TS.110	5000/600	480-1310	1100	920	1200 x 150 x 60	212	267	191	339	3A	8450
PKF50TS.115	5000/600	480-1260	1150	1010	1200 x 150 x 60	212	266	191	344	3A	8520
PKF50TS.130	5000/600	480-1410	1300	1165	1200 x 150 x 60	212	265	191	357	3A	8680
PKF50TS.135	5000/600	480-1460	1350	1165	1200 x 150 x 60	212	264	191	363	3A	8810
PKF50TS.145	5000/600	480-1560	1450	1220	1200 x 150 x 60	212	263	191	380	3A	8920
PKF50TS.150	5000/600	480-1610	1500	1320	1200 x 150 x 60	212	262	191	385	3A	8990
PKF50TS.155	5000/600	480-1660	1550	1320	1200 x 150 x 60	212	261	191	390	3A	9040
PKF50TS.175	5000/600	480-1860	1750	1520	1200 x 150 x 60	212	260	191	420	3A	9680
PKF50TS.185	5000/600	480-1960	1850	1670	1200 x 150 x 60	212	259	191	432	3A	9790

PK Fork Positioners series offer the frame with double rugged T-Bar design supported by long lasting, low friction nylon bearings to provide precise handling of loads.

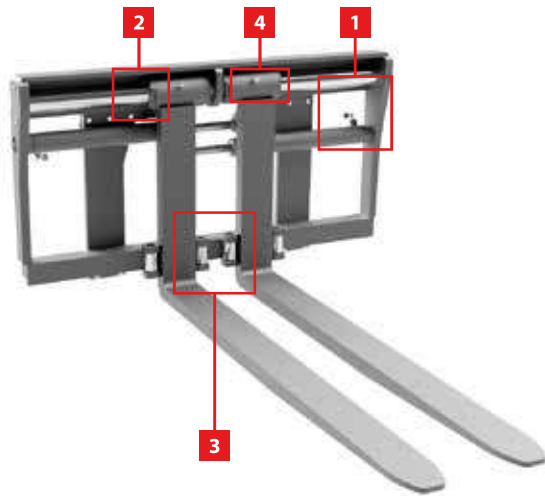
Advantages

- › Easy installation on the (triple) forklift mast
- › Easy to mount the forks
- › Increased safety with better visibility through the frame
- › Easy-to-mount fork pockets

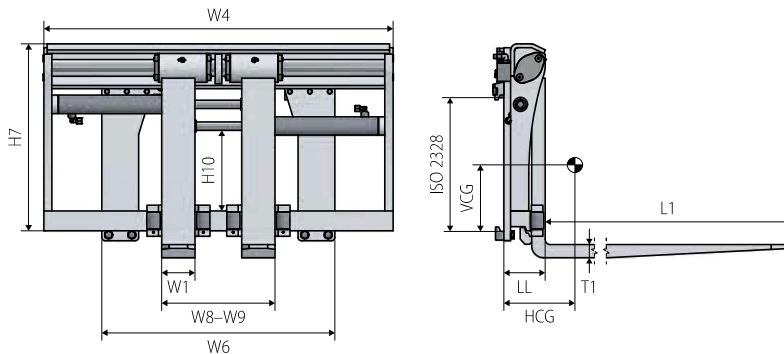
Available on request

- › Load backrest
- › Other fork dimensions
- › Model with minimum internal opening 5 mm
- › Model with bolted forks

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
8. Flow divider valve for perfect synchronism of the forks





Technical data

- > W6 – Minimum width lift truck carriage
- > Capacity on forks
- > Technical data with forks
- > Self-lubricating upper sliding bushes
- > With integrated sideshifter
- > With chromed round upper bar
- > With flow divider

Model	Capacity	W8–W9	W4	W6	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PJ20T.090	2000/500	340-780	900	620	1200 x 100 x 40	230	565	124	224	194	217	2A	4350
PJ20T.095	2000/500	340-830	950	620	1200 x 100 x 40	230	565	124	224	194	220	2A	4440
PJ20T.100	2000/500	340-880	1000	620	1200 x 100 x 40	230	565	124	224	194	223	2A	4530
PJ20T.105	2000/500	340-930	1050	720	1200 x 100 x 40	230	565	124	224	194	226	2A	4570
PJ20T.110	2000/500	340-980	1100	720	1200 x 100 x 40	230	565	124	219	197	229	2A	4620
PJ20T.115	2000/500	340-1030	1150	720	1200 x 100 x 40	230	565	124	219	197	232	2A	4710
PJ25T.090	2500/500	340-780	900	620	1200 x 100 x 40	230	565	124	219	197	217	2A	4380
PJ25T.095	2500/500	340-830	950	620	1200 x 100 x 40	230	565	124	219	197	220	2A	4560
PJ25T.100	2500/500	340-880	1000	620	1200 x 100 x 40	230	565	124	219	197	223	2A	4590
PJ25T.105	2500/500	340-930	1050	720	1200 x 100 x 40	230	565	124	219	197	226	2A	4620
PJ25T.110	2500/500	340-980	1100	720	1200 x 100 x 40	230	565	124	219	197	229	2A	4680
PJ25T.115	2500/500	340-1030	1150	720	1200 x 100 x 40	230	565	124	219	197	232	2A	4780
PJ25T.120	2500/500	340-1080	1200	720	1200 x 100 x 40	230	565	124	215	200	236	2A	4850
PJ25T.125	2500/500	340-1130	1250	720	1200 x 100 x 40	230	565	124	215	200	239	2A	4910
PJ25T.135	2500/500	340-1230	1350	720	1200 x 100 x 40	230	565	124	215	200	245	2A	4950
PJ25T.150	2500/500	340-1380	1500	720	1200 x 100 x 40	230	565	124	212	200	260	2A	5290
PJ35T.110	3500/500	340-980	1100	720	1200 x 120 x 45	315	665	139	233	230	291	3A	4790
PJ35T.115	3500/500	340-1030	1150	720	1200 x 120 x 45	315	665	139	233	230	294	3A	4880
PJ35T.120	3500/500	340-1080	1200	720	1200 x 120 x 45	315	665	139	233	230	298	3A	5040
PJ35T.130	3500/500	340-1180	1300	720	1200 x 120 x 45	315	665	139	229	234	305	3A	5080
PJ35T.150	3500/500	340-1380	1500	720	1200 x 120 x 45	315	665	139	221	241	319	3A	5490
PJ50T.115	5000/500	420-1030	1150	750	1200 x 125 x 50	315	680	151	225	245	388	3A	5960
PJ50T.125	5000/500	420-1130	1250	750	1200 x 125 x 50	315	680	151	220	249	398	3A	6110
PJ50T.140	5000/500	420-1280	1400	750	1200 x 125 x 50	315	680	151	214	255	413	3A	6320
PJ50T.150	5000/500	420-1380	1500	750	1200 x 125 x 50	315	680	151	209	258	423	3A	6470
PJ50T.170	5000/500	420-1580	1700	850	1200 x 125 x 50	315	680	151	203	264	443	3A	6840
PJ55T.140	5000/600	455-1255	1400	900	1200 x 150 x 60	381	810	166	235	267	540	4A	8190
PJ55T.150	5000/600	455-1355	1500	900	1200 x 150 x 60	381	810	166	240	263	550	4A	8380
PJ55T.170	5000/600	455-1555	1700	900	1200 x 150 x 60	381	810	166	245	259	570	4A	9640

Attachment not recommended for clamping between forks

Advantages

- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

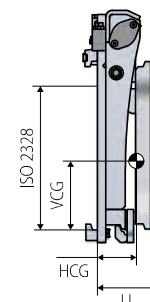
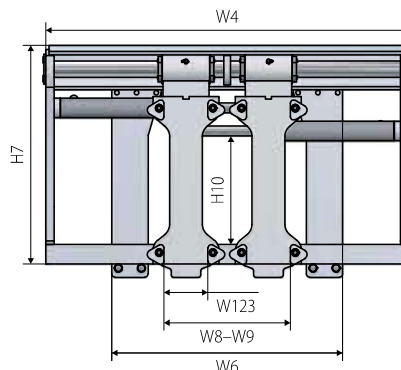
- > See this attachment in action



Available on request

- > Load backrest
- > Class B forks
- > Quick-release lower mountings
- > Different fork dimensions
- > Without integrated sideshift

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



Technical detail

- > W6 – Minimum width lift truck carriage
- > 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
- > With flow divider

Model	Capacity	W8–W9	W4	W6	Fork width range W123	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PJA20T.090P	2000/500	380-790	900	620	100-120-130	210	640	156	50	240	155	2	4610
PJA20T.095P	2000/500	380-840	950	620	100-120-130	210	640	156	50	240	159	2	4700
PJA20T.100P	2000/500	380-890	1000	620	100-120-130	210	640	156	49	241	161	2	4780
PJA20T.105P	2000/500	380-940	1050	720	100-120-130	210	640	156	48	243	163	2	4830
PJA20T.110P	2000/500	380-990	1100	720	100-120-130	210	640	156	48	242	165	2	4880
PJA20T.115P	2000/500	380-1040	1150	720	100-120-130	210	640	156	47	243	166	2	4990
PJA25T.090P	2500/500	380-790	900	620	100-120-130	227	643	156	71	293	170	2	4570
PJA25T.095P	2500/500	380-840	950	620	100-120-130	227	643	156	70	294	173	2	4570
PJA25T.100P	2500/500	380-890	1000	620	100-120-130	227	643	156	69	295	175	2	4760
PJA25T.105P	2500/500	380-940	1050	720	100-120-130	227	643	156	68	296	177	2	4820
PJA25T.110P	2500/500	355-995	1100	720	100-120-130	227	643	156	68	296	187	2	4870
PJA25T.115P	2500/500	380-1040	1150	720	100-120-130	227	643	156	67	297	190	2	5000
PJA25T.125P	2500/500	380-1140	1250	720	100-120-130	227	643	156	67	297	193	2	5150
PJA25T.135P	2500/500	380-1240	1350	720	100-120-130	227	643	156	67	299	195	2	5350
PJA25T.150P	2500/500	380-1390	1500	720	100-120-130	227	643	156	66	300	199	2	5520
PJA35T.110P	3500/500	380-990	1100	720	100-120-130	315	660	161	71	352	210	3	4830
PJA35T.115P	3500/500	380-1040	1150	720	100-120-130	315	660	161	71	351	212	3	4910
PJA35T.125P	3500/500	380-1140	1250	720	100-120-130	315	660	161	71	352	216	3	5120
PJA35T.135P	3500/500	380-1240	1350	720	100-120-130	315	660	161	70	354	220	3	5380
PJA35T.150P	3500/500	380-1390	1500	720	100-120-130	315	660	161	70	355	236	3	5570
PJA50T.115P	5000/500	410-1020	1150	750	120-130-150	255	780	185	80	355	295	3	5820
PJA50T.125P	5000/500	410-1120	1250	750	120-130-150	255	780	185	80	356	305	3	6010
PJA50T.135P	5000/500	410-1220	1350	750	120-130-150	255	780	185	80	357	315	3	6240
PJA50T.150P	5000/500	410-1370	1500	750	120-130-150	255	780	185	80	358	330	3	6400
PJA50T.170P	5000/500	410-1570	1700	850	120-130-150	255	780	185	80	360	350	3	6770
PJA55T.140P	5000/600	460-1260	1400	850	120-130-150	414	806	180	78	405	390	4	8700
PJA55T.150P	5000/600	460-1360	1500	850	120-130-150	414	806	180	78	404	400	4	8850

Attachments not recommended for clamping between forks

Model	Capacity	W8-W9	W4	W6	Fork width range W123	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PJA55T.170P	5000/600	460-1560	1700	850	120-130-150	414	806	180	78	403	420	4	9000

Attachments not recommended for clamping between forks

Advantages

- > Easy to attach
- > Expertly manufactured
- > Superior mechanical strength

Available on request

- > Load backrest
- > Quick-release lower mountings
- > Without Integrated Sideshift

> See this attachment in action



Integrated fork positioner with pin-type forks and integrated sideshifter



Technical detail

- > 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	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	Euro
PJI20T.090	2000/500	340-780	900	1200 x 100 x 40	210	565	104	206	193	204	4860
PJI20T.095	2000/500	340-830	950	1200 x 100 x 40	210	565	104	204	195	207	4990
PJI20T.100	2000/500	340-880	1000	1200 x 100 x 40	210	565	104	202	197	210	5040
PJI20T.105	2000/500	340-930	1050	1200 x 100 x 40	210	565	104	198	200	213	5120
PJI20T.110	2000/500	340-980	1100	1200 x 100 x 40	210	565	104	196	202	216	5190
PJI20T.115	2000/500	340-1030	1150	1200 x 100 x 40	210	565	104	192	204	219	5250
PJI25T.090	2500/500	340-780	900	1200 x 100 x 40	227	565	104	192	198	203	4990
PJI25T.095	2500/500	340-830	950	1200 x 100 x 40	227	565	104	193	199	208	5150
PJI25T.100	2500/500	340-880	1000	1200 x 100 x 40	227	565	104	195	200	211	5170
PJI25T.105	2500/500	340-930	1050	1200 x 100 x 40	227	565	104	197	201	213	5220
PJI25T.110	2500/500	340-980	1100	1200 x 100 x 40	227	565	104	196	202	218	5290
PJI25T.115	2500/500	340-1030	1150	1200 x 100 x 40	227	565	104	193	203	222	5340
PJI25T.125	2500/500	340-1130	1250	1200 x 100 x 40	227	565	104	189	205	228	5510
PJI25T.135	2500/500	340-1230	1350	1200 x 100 x 40	227	565	104	187	208	237	5590
PJI25T.150	2500/500	340-1380	1500	1200 x 100 x 40	227	565	104	180	214	244	5850
PJI35T.110	3500/500	340-980	1100	1200 x 120 x 45	383	660	110	217	235	274	5690
PJI35T.115	3500/500	340-1030	1150	1200 x 120 x 45	383	660	110	213	237	281	5750
PJI35T.120	3500/500	340-1080	1200	1200 x 120 x 45	383	660	110	210	239	287	5920
PJI35T.130	3500/500	340-1180	1300	1200 x 120 x 45	383	660	110	208	240	291	5990
PJI35T.150	3500/500	340-1380	1500	1200 x 120 x 45	383	660	110	199	246	306	6250
PJI50T.115	5000/500	420-1030	1150	1200 x 125 x 50	315	680	120	205	245	365	6820
PJI50T.125	5000/500	420-1130	1250	1200 x 125 x 50	315	680	120	200	247	381	7020
PJI50T.140	5000/500	420-1280	1400	1200 x 125 x 50	315	680	120	194	253	393	7180
PJI50T.150	5000/500	420-1380	1500	1200 x 125 x 50	315	680	120	188	255	403	7400
PJI50T.170	5000/500	420-1580	1700	1200 x 125 x 50	315	680	120	183	264	426	7770
PJI55T.140	5000/600	455-1255	1400	1200 x 150 x 60	381	810	145	215	264	523	8360
PJI55T.150	5000/600	455-1355	1500	1200 x 150 x 60	381	810	145	220	260	533	8540

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

Model	Capacity	W8-W9	W4	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	Euro
PJ155T.170	5000/600	455-1555	1700	1200 x 150 x 60	381	810	145	225	256	553	9770

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

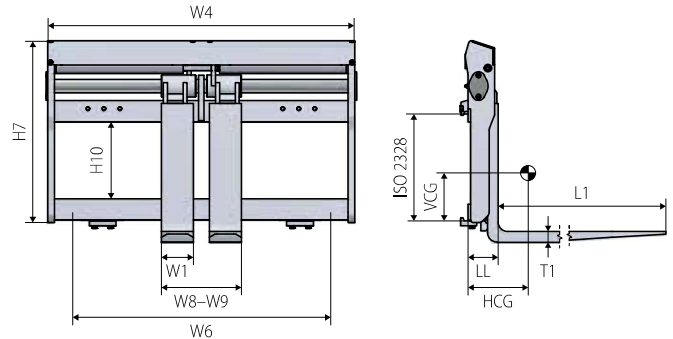
Available on request

- > Load backrest
- > Different fork dimensions

> See this attachment in action



Fork positioner with pin-type forks without separate sideshifter



Technical detail

- > W6 – Minimum width lift truck carriage
- > 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	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PF25.098	2500/500	300-910	980	800	1200 x 120 x 40	290	640	110	249	183	223	2A	3690
PF25.104	2500/500	300-970	1040	800	1200 x 120 x 40	290	640	110	245	186	229	2A	3770
PF25.110	2500/500	300-1030	1100	900	1200 x 120 x 40	290	640	110	242	189	231	2A	3890
PF25.115	2500/500	300-1080	1150	900	1200 x 120 x 40	290	640	110	239	192	234	2A	3980
PF25.125	2500/500	300-1180	1250	1000	1200 x 120 x 40	290	640	110	236	194	241	2A	4070
PF25.130	2500/500	300-1230	1300	1000	1200 x 120 x 40	290	640	110	233	195	244	2A	4180
PF25.150	2500/500	300-1430	1500	1100	1200 x 120 x 40	290	640	110	221	207	257	2A	4270
PF35.110	3500/500	340-1040	1100	900	1200 x 120 x 45	395	750	135	228	253	314	3A	4430
PF35.115	3500/500	340-1090	1150	900	1200 x 120 x 45	395	750	135	225	253	319	3A	4630
PF35.125	3500/500	340-1190	1250	1000	1200 x 120 x 45	395	750	135	223	253	330	3A	4670
PF35.135	3500/500	340-1290	1350	1000	1200 x 120 x 45	395	750	135	222	255	341	3A	4870
PF35.155	3500/500	340-1490	1550	1200	1200 x 120 x 45	395	750	135	220	255	360	3A	5120
PF50.110	5000/500	340-1040	1100	900	1200 x 150 x 50	395	750	140	250	237	370	3A	4670
PF50.115	5000/500	340-1090	1150	900	1200 x 150 x 50	395	750	140	247	238	375	3A	4860
PF50.125	5000/500	340-1190	1250	1000	1200 x 150 x 50	395	750	140	245	240	386	3A	4900
PF50.135	5000/500	340-1290	1350	1000	1200 x 150 x 50	395	750	140	241	242	397	3A	5090
PF50.155	5000/500	340-1490	1550	1200	1200 x 150 x 50	395	750	140	229	244	416	3A	5350
PF50.165	5000/500	340-1590	1650	1200	1200 x 150 x 50	395	750	140	223	245	429	3A	5780
PF60.150	6000/600	570-1420	1500	1200	1200 x 150 x 60	300	870	165	180	312	622	4A	8650
PF60.170	6000/600	570-1620	1700	1400	1200 x 150 x 60	300	870	165	175	312	657	4A	8950
PF60.190	6000/600	570-1820	1900	1600	1200 x 150 x 60	300	870	165	170	312	692	4A	9290
PF80.150	8000/600	570-1420	1500	1200	1200 x 150 x 70	300	870	175	175	291	717	4A	9180
PF80.180	8000/600	570-1720	1800	1500	1200 x 150 x 70	300	870	175	170	291	757	4A	9360
PF80.200	8000/600	570-1920	2000	1600	1200 x 150 x 70	300	870	175	165	291	797	4A	9950
PF80.220	8000/600	570-2120	2200	1800	1200 x 150 x 70	300	870	175	160	291	837	4A	10760
PF80.240	8000/600	570-2320	2400	2000	1200 x 150 x 70	300	870	175	155	291	877	4A	11590
PF100.200.5	10000/600	560-1880	2000	1700	1200 x 200 x 70	350	870	276	223	315	1340	5A	On request
PF100.220.5	10000/600	560-2080	2200	1900	1200 x 200 x 70	350	870	276	220	315	1460	5A	On request

Attachments not recommended for clamping between forks

Model	Capacity	W8–W9	W4	W6	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PF100.240.5	10000/600	560-2280	2400	2100	1200 x 200 x 70	350	870	276	217	315	1520	5A	On request
PF120.180	12000/600	560-1800	1800	1400	1200 x 200 x 70	350	870	276	213	320	1150	4A	On request
PF120.220	12000/600	560-2200	2200	1800	1200 x 200 x 70	350	870	260	210	320	1270	4A	On request
PF120.240	12000/600	560-2400	2400	2000	1200 x 200 x 70	350	870	260	208	320	1330	4A	On request
PF120.180.1800	8000/900	560-1680	1800	1400	1800 x 200 x 70	350	870	260	328	305	1350	4A	On request
PF120.220.1800	8000/900	560-2080	2200	2000	1800 x 200 x 70	350	870	260	325	305	1510	4A	On request
PF120.240.1800	8000/900	560-2280	2400	2000	1800 x 200 x 70	350	870	260	323	305	1570	4A	On request

Attachments not recommended for clamping between forks

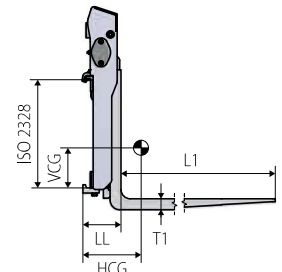
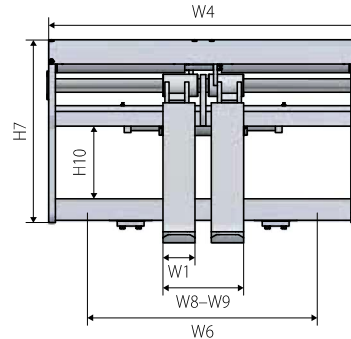
Available on request

- > Class B forks
- > Different fork dimensions
- > Quick-release lower mountings

> See this attachment in action



Fork positioner with pin-type forks with separate sideshifter



Technical details

- > W6 – Minimum width lift truck carriage
- > 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	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PF25T.098	2500/500	300-910	980	800	1200 x 120 x 40	240	640	115	250	190	227	2A	4240
PF25T.104	2500/500	300-970	1040	800	1200 x 120 x 40	240	640	115	245	192	231	2A	4340
PF25T.110	2500/500	300-1030	1100	900	1200 x 120 x 40	240	640	115	240	194	235	2A	4430
PF25T.115	2500/500	300-1080	1150	900	1200 x 120 x 40	240	640	115	237	196	239	2A	4470
PF25T.125	2500/500	300-1180	1250	1000	1200 x 120 x 40	240	640	115	232	198	246	2A	4570
PF25T.130	2500/500	300-1230	1300	1000	1200 x 120 x 40	240	640	115	229	201	249	2A	4670
PF25T.150	2500/500	300-1430	1500	1100	1200 x 120 x 40	240	640	115	225	202	266	2A	4730
PF35T.110	3500/500	340-1040	1100	900	1200 x 120 x 45	310	750	137	218	251	320	3A	5010
PF35T.115	3500/500	340-1090	1150	900	1200 x 120 x 45	310	750	137	215	251	325	3A	5190
PF35T.125	3500/500	340-1190	1250	1000	1200 x 120 x 45	310	750	137	213	251	336	3A	5280
PF35T.135	3500/500	340-1290	1350	1000	1200 x 120 x 45	310	750	137	211	253	347	3A	5460
PF35T.155	3500/500	340-1490	1550	1200	1200 x 120 x 45	310	750	137	209	253	366	3A	5920
PF50T.110	5000/500	340-1040	1100	900	1200 x 150 x 50	310	750	142	244	235	376	3A	5240
PF50T.115	5000/500	340-1090	1150	900	1200 x 150 x 50	310	750	142	241	235	381	3A	5420
PF50T.125	5000/500	340-1190	1250	1000	1200 x 150 x 50	310	750	142	239	235	392	3A	5520
PF50T.135	5000/500	340-1290	1350	1000	1200 x 150 x 50	310	750	142	237	237	403	3A	5700
PF50T.155	5000/500	340-1490	1550	1200	1200 x 150 x 50	310	750	142	234	237	422	3A	6160
PF50T.165	5000/500	340-1590	1650	1200	1200 x 150 x 50	310	750	142	232	237	432	3A	6530
PF60T.150	6000/600	570-1420	1500	1200	1200 x 150 x 60	300	870	165	180	324	649	4A	9230
PF60T.170	6000/600	570-1620	1700	1400	1200 x 150 x 60	300	870	165	175	326	690	4A	9530
PF60T.190	6000/600	570-1820	1900	1600	1200 x 150 x 60	300	870	165	170	328	729	4A	9890
PF80T.150	8000/600	570-1420	1500	1200	1200 x 150 x 70	300	870	165	210	318	732	4A	9580
PF80T.180	8000/600	570-1720	1800	1500	1200 x 150 x 70	300	870	165	205	320	772	4A	9760
PF80T.200	8000/600	570-1920	2000	1600	1200 x 150 x 70	300	870	165	200	322	812	4A	10270
PF80T.220	8000/600	570-2120	2200	1800	1200 x 150 x 70	300	870	165	195	325	852	4A	10820
PF80T.240	8000/600	570-2320	2400	2000	1200 x 150 x 70	300	870	165	190	327	892	4A	11650
PF100T.200.5	10000/600	560-1880	2000	1700	1200 x 200 x 70	350	870	276	223	315	1360	5A	On request

Attachments not recommended for clamping between forks

Model	Capacity	W8-W9	W4	W6	Forks L1 x W1 x T1	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PF100T.220.5	10000/600	560-2080	2200	1900	1200 x 200 x 70	350	870	276	220	314	1480	5A	On request
PF100T.240.5	10000/600	560-2280	2400	2100	1200 x 200 x 70	350	870	276	217	313	1540	5A	On request
PF120T.180	12000/600	560-1880	1800	1400	1200 x 200 x 70	350	870	260	213	320	1170	4A	On request
PF120T.220	12000/600	560-2080	2200	1800	1200 x 200 x 70	350	870	260	210	325	1290	4A	On request
PF120T.240	12000/600	560-2280	2400	2000	1200 x 200 x 70	350	870	260	208	320	1350	4A	On request
PF120T.180.1800	8000/900	560-1680	1800	1400	1800 x 200 x 70	350	870	260	328	305	1370	4A	On request
PF120T.220.1800	8000/900	560-2080	2000	1800	1800 x 200 x 70	350	870	260	325	305	1530	4A	On request
PF120T.240.1800	8000/900	560-2280	2220	2000	1800 x 200 x 70	350	870	260	323	305	1590	4A	On request

Attachments not recommended for clamping between forks

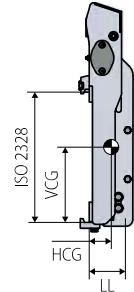
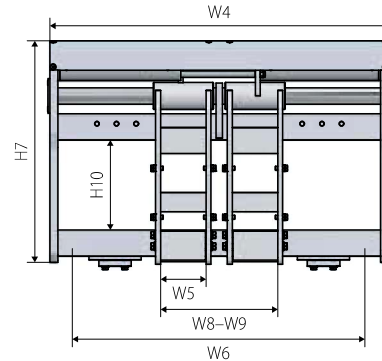
Available on request

- > Class B forks
- > Different fork dimensions
- > Quick-release lower mountings

> See this attachment in action



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



Technical details

- > W6 – Minimum width lift truck carriage
- > W5 - Fork adapter width
- > Technical data without forks
- > Maximum advised fork length: 1800 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 kg/mm	W8-W9 mm	W4 mm	W6 mm	W5 mm	H10 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PFA25.098	2500/500	360-870	980	800	130 ^①	290	640	104	51	332	135	2	3540
PFA25.104	2500/500	360-930	1040	800	130 ^①	290	640	104	51	333	140	2	3650
PFA25.110	2500/500	360-990	1100	900	130 ^①	290	640	104	51	334	143	2	3720
PFA25.115	2500/500	360-1040	1150	900	130 ^①	290	640	104	50	335	146	2	3840
PFA25.125	2500/500	360-1140	1250	1000	130 ^①	290	640	104	50	336	152	2	3920
PFA25.130	2500/500	360-1190	1300	1000	130 ^①	290	640	104	50	337	155	2	4020
PFA25.150	2500/500	360-1390	1500	1100	130 ^①	290	640	104	50	341	167	2	4120
PFA50.110	5000/500	400-980	1100	900	150 ^②	340	750	133	60	378	223	3	4480
PFA50.115	5000/500	400-1030	1150	900	150 ^②	340	750	133	60	378	228	3	4680
PFA50.125	5000/500	400-1130	1250	1000	150 ^②	340	750	133	60	380	238	3	4700
PFA50.135	5000/500	400-1230	1350	1000	150 ^②	340	750	133	59	381	249	3	4890
PFA50.155	5000/500	400-1430	1550	1200	150 ^②	340	750	133	58	383	270	3	5140
PFA50.165	5000/500	400-1530	1650	1200	150 ^②	340	750	133	58	384	282	3	5550
PFA60.120	6000/600	515-1065	1200	1100	200 ^②	300	870	209	97	446	460	4	8300
PFA60.135	6000/600	515-1215	1350	1100	200 ^②	300	870	209	97	446	485	4	8330
PFA60.150	6000/600	515-1365	1500	1200	200 ^②	300	870	209	97	446	510	4	8360
PFA60.170	6000/600	515-1565	1700	1400	200 ^②	300	870	209	95	446	550	4	9050
PFA60.190	6000/600	515-1765	1900	1600	200 ^②	300	870	209	95	446	590	4	9720
PFA80.150	8000/600	515-1365	1500	1200	200 ^②	300	870	209	91	417	610	4	8800
PFA80.180	8000/600	515-1665	1800	1500	200 ^②	300	870	209	91	417	650	4	9010
PFA80.200	8000/600	515-1865	2000	1600	200 ^②	300	870	209	91	417	690	4	9550

① Pocket accepts fork widths from 100 mm to 130 mm

② Pocket accepts fork widths from 150 mm to 200 mm

Attachment not recommended for clamping between forks

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	W5 mm	H10 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PFA80.220	8000/600	515-2065	2200	1800	200 ^②	300	870	209	91	417	730	4	10360
PFA80.240	8000/600	515-2265	2400	2000	200 ^②	300	870	209	91	417	770	4	11200
PFA100.200.5	10000/600	560-1800	2000	1600	200 ^②	300	870	280	122	489	1210	5	On request
PFA100.220.5	10000/600	560-2000	2200	1800	200 ^②	300	870	280	119	489	1250	5	On request
PFA100.240.5	10000/600	560-2200	2400	2000	200 ^②	300	870	280	117	489	1290	5	On request
PFA120.180	12000/600	560-1600	1800	1400	200 ^②	300	870	260	120	440	930	4	On request
PFA120.220	12000/600	560-2000	2200	1800	200 ^②	300	870	260	120	440	1050	4	On request
PFA120.240	12000/600	560-2200	2400	2000	200 ^②	300	870	260	120	440	1090	4	On request

^① Pocket accepts fork widths from 100 mm to 130 mm

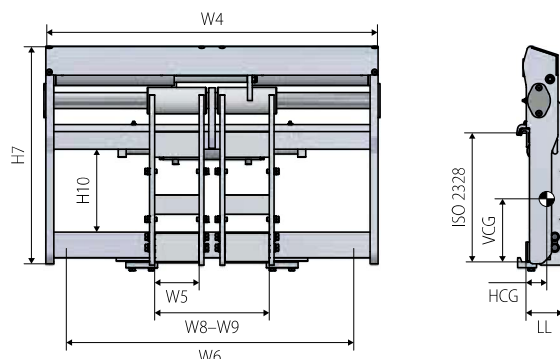
^② Pocket accepts fork widths from 150 mm to 200 mm

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 details

- > W6 – Minimum width lift truck carriage
- > W5 - Fork adapter width
- > Technical data without forks
- > Standard lift truck forks can be easily fitted
- > Maximum advised fork length: 1800 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 kg/mm	W8-W9 mm	W4 mm	W6 mm	W5 mm	H10 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PFA25T.098	2500/500	360-870	980	800	240	130 [1]	640	104	54	336	141	2	4220
PFA25T.104	2500/500	360-930	1040	800	240	130 [1]	640	104	54	336	144	2	4310
PFA25T.110	2500/500	360-990	1100	900	240	130 [1]	640	104	54	336	147	2	4390
PFA25T.115	2500/500	360-1040	1150	900	240	130 [1]	640	104	54	336	151	2	4440
PFA25T.125	2500/500	360-1140	1250	1000	240	130 [1]	640	104	54	338	157	2	4540
PFA25T.130	2500/500	360-1190	1300	1000	240	130 [1]	640	104	54	338	160	2	4620
PFA25T.150	2500/500	360-1390	1500	1100	240	130 [1]	640	104	54	338	175	2	4700
PFA50T.110	5000/500	400-980	1100	900	310	150 [2]	750	135	63	378	230	3	5190
PFA50T.115	5000/500	400-1030	1150	900	310	150 [2]	750	135	63	378	235	3	5370
PFA50T.125	5000/500	400-1130	1250	1000	310	150 [2]	750	135	63	381	245	3	5480
PFA50T.135	5000/500	400-1230	1350	1000	310	150 [2]	750	135	61	383	252	3	5640
PFA50T.155	5000/500	400-1430	1550	1200	310	150 [2]	750	135	61	384	275	3	6090
PFA50T.165	5000/500	400-1530	1650	1200	310	150 [2]	750	135	60	384	292	3	6450
PFA60T.120	6000/600	515-1065	1200	1100	300	200 [2]	870	210	97	429	504	4	9080
PFA60T.135	6000/600	515-1215	1350	1100	300	200 [2]	870	210	95	427	536	4	9110
PFA60T.150	6000/600	515-1365	1500	1200	300	200 [2]	870	210	97	440	560	4	9160
PFA60T.170	6000/600	515-1565	1700	1400	300	200 [2]	870	210	97	442	600	4	9450
PFA60T.190	6000/600	515-1765	1900	1600	300	200 [2]	870	210	95	445	644	4	9790
PFA80T.150	8000/600	515-1365	1500	1200	300	200 [2]	870	211	96	428	618	4	9580
PFA80T.180	8000/600	515-1665	1800	1500	300	200 [2]	870	211	95	430	669	4	9690
PFA80T.200	8000/600	515-1865	2000	1700	300	200 [2]	870	211	94	432	718	4	10180
PFA80T.220	8000/600	515-2065	2200	1900	300	200 [2]	870	211	93	433	760	4	10730

[1] Pocket accepts fork widths from 100 mm to 130 mm

[2] Pocket accepts fork widths from 150 mm to 200 mm

Attachment not recommended for clamping between forks

Model	Capacity	W8-W9	W4	W6	W5	H10	H7	LL	HCG	VCG	Weight	ISO 2328	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PFA80T.240	8000/600	515-2265	2400	2100	300	200 ^②	870	211	92	434	806	4	11560
PFA100T.200.5	10000/600	560-1800	2000	1400	300	200 ^②	870	280	139	487	1230	5	On request
PFA100T.220.5	10000/600	560-2000	2200	1800	300	200 ^②	870	280	139	487	1310	5	On request
PFA100T.240.5	10000/600	560-2400	2400	2000	300	200 ^②	870	280	139	487	1390	5	On request
PFA120T.180	12000/600	560-1600	1800	1400	300	200 ^②	870	260	119	438	1030	4	On request
PFA120T.220	12000/600	560-2000	2200	1800	300	200 ^②	870	260	119	438	1110	4	On request
PFA120T.240	12000/600	560-2200	2400	2000	300	200 ^②	870	260	119	438	1190	4	On request

① Pocket accepts fork widths from 100 mm to 130 mm

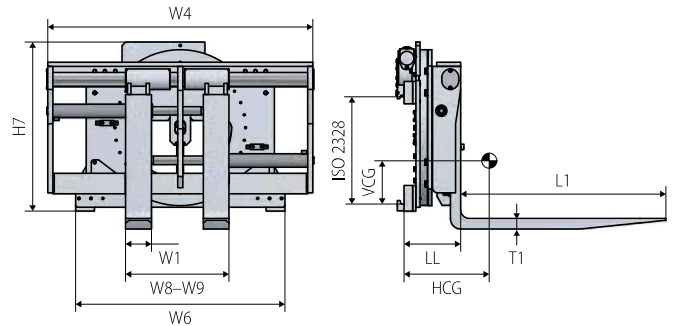
② Pocket accepts fork widths from 150 mm to 200 mm

Attachment not recommended for clamping between forks

> See this attachment in action



Rotating fork positioner with pin-type forks 360°



Technical details

- > W6 – Minimum width lift truck carriage
- > Technical data with forks
- > Self-lubricating upper sliding bushes
- > With chromed round upper bar
- > Without sideshifter

Model	Capacity forks	Capacity rotation	W8–W9 mm	W4 mm	W6 mm	Forks L1 x W1 x T1 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP
	kg/mm	kg/mm											Euro
PFR25.104	2500/500	2000/500	320-970	1040	750	1200 x 120 x 40	742	248	229	217	435	2A	10870
PFR25.110	2500/500	2000/500	320-1030	1100	750	1200 x 120 x 40	742	248	229	218	438	2A	10970
PFR25.120	2500/500	2000/500	320-1130	1200	750	1200 x 120 x 40	742	248	227	219	446	2A	11210
PFR25.130	2500/500	2000/500	320-1230	1300	750	1200 x 120 x 40	742	248	227	220	454	2A	11810
PFR35.110	3500/500	2800/500	310-1020	1100	900	1200 x 120 x 50	775	255	233	285	564	3A	12800
PFR35.120	3500/500	2800/500	310-1120	1200	900	1200 x 120 x 50	775	255	232	286	570	3A	13000
PFR35.130	3500/500	2800/500	310-1220	1300	900	1200 x 120 x 50	775	255	231	287	576	3A	13200
PFR35.140	3500/500	2800/500	310-1320	1400	900	1200 x 120 x 50	775	255	230	288	582	3A	13800
PFR50.110	5000/500	3500/500	420-1010	1100	1050	1200 x 150 x 50	840	269	239	278	712	3A	14320
PFR50.120	5000/500	3500/500	420-1110	1200	1050	1200 x 150 x 50	840	269	238	279	720	3A	14480
PFR50.130	5000/500	3500/500	420-1210	1300	1050	1200 x 150 x 50	840	269	237	280	728	3A	14650
PFR50.140	5000/500	3500/500	420-1310	1400	1050	1200 x 150 x 50	840	269	236	281	735	3A	15440
PFR60.155	6000/600	4000/600	570-1450	1550	1250	1200 x 150 x 60	989	330	258	383	1120	4A	24680
PFR60.180	6000/600	4000/600	570-1700	1800	1250	1200 x 150 x 60	989	330	258	392	1158	4A	25700

Attachments not recommended for clamping between forks

Available on request

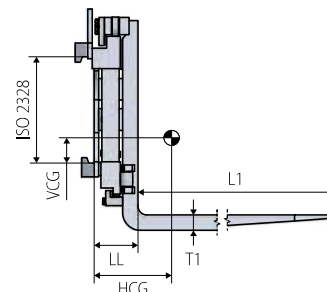
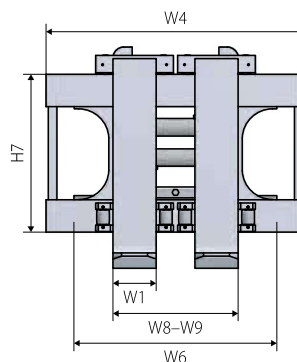
- > Load backrest
- > Class B forks
- > Different fork dimensions
- > Quick-release lower mountings

> See this attachment in action



Options	RRP
	Euro
Separate sideshifter: 100 + 100 mm for ISO/FEM 2	1145
Separate sideshifter: 100 + 100 mm for ISO/FEM 3	1670
Separate sideshifter: 100 + 100 mm for ISO/FEM 4	2320
Class 2 or class 3 quick-release lower mountings	605
Class 4 quick-release lower mountings	810

High-capacity fork positioner with welded forks



Technical details

- > W6 – Minimum width lift truck carriage
- > 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	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		Euro
PR100.200	10000/600	580-1800	2000	1700	1600 x 200 x 70	730	197	225	520	1285	4A	17850
PR100.220	10000/600	580-2000	2200	1800	1600 x 200 x 70	730	197	218	535	1320	4A	18650
PR100.240	10000/600	580-2200	2400	1800	1600 x 200 x 70	730	197	208	556	1365	4A	19040
PRI120.200	12000/600	580-1800	2000	1700	1600 x 200 x 70	730	197	220	507	1380	4A	20770
PR120.220	12000/600	580-2000	2200	1800	1600 x 200 x 70	730	197	214	523	1415	4A	21670
PR120.240	12000/600	580-2200	2400	1800	1600 x 200 x 70	730	197	204	538	1460	4A	22330

Attachment not recommended for clamping between forks

Available on request

- > Class B forks
- > Different fork dimensions

Options

Integrated sideshifter

RRP

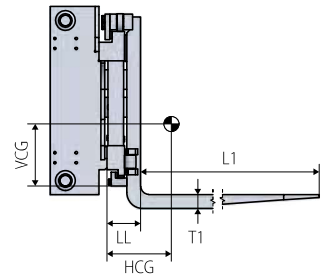
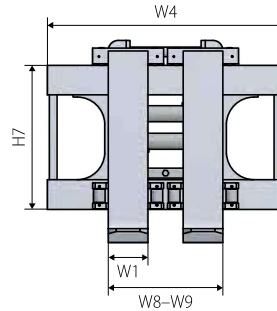
Euro

575

- > See this attachment in action



Integrated high-capacity fork positioner with welded forks



Technical details

- > 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	RRP
	kg/mm	mm	mm	mm	mm	mm	mm	mm	kg	Euro
PRI100.200	10000/600	580-1800	2000	1600 x 200 x 70	730	197	225	520	1285	18520
PRI100.220	10000/600	580-2000	2200	1600 x 200 x 70	730	197	218	535	1320	19300
PRI100.240	10000/600	580-2200	2400	1600 x 200 x 70	730	197	208	556	1365	19690
PRI120.200	12000/600	580-1800	2000	1600 x 200 x 70	730	197	220	507	1380	21440
PRI120.220	12000/600	580-2000	2200	1600 x 200 x 70	730	197	214	523	1415	22330
PRI120.240	12000/600	580-2200	2400	1600 x 200 x 70	730	197	204	538	1460	22980

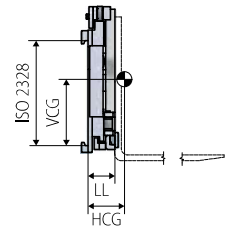
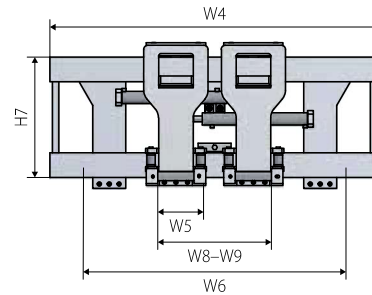
These models are integrated in the mast. Supplied with side plates and roller shafts. Mast engineering drawings required.
Attachment not recommended for clamping between forks

Options	RRP
	Euro
Integrated sideshifter	575

> See this attachment in action



High-capacity fork positioner with FEM fork carriers without sideshifter



Technical details

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

Model	Capacity kg/mm	W8-W9 mm	W4 mm	W6 mm	W5 mm	H7 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
PRA100.200	10000/600	630-1820	2000	1700	200	730	162	75	418	810	4	18520
PRA100.220	10000/600	630-2020	2200	1800	200	730	162	74	410	880	4	19300
PRA100.240	10000/600	630-2220	2400	1800	200	730	162	73	403	950	4	19690
PRA120.200	12000/600	630-1820	2000	1700	200	730	172	83	420	855	4	21420
PRA120.220	12000/600	630-2020	2200	1800	200	730	172	82	414	925	4	22330
PRA120.240	12000/600	630-2220	2400	1800	200	730	172	81	408	995	4	22980

Attachment not recommended for clamping between forks

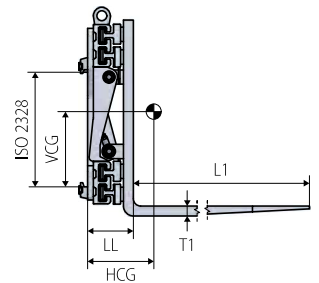
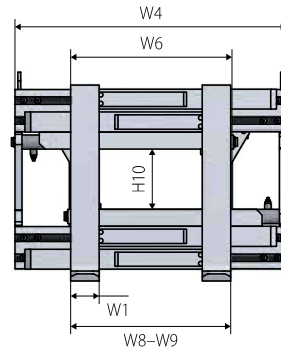
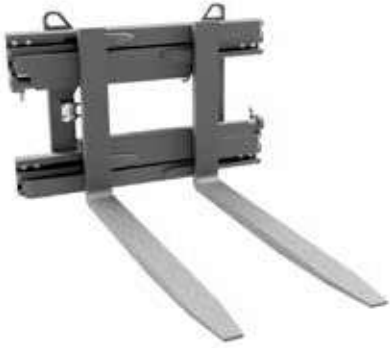
Options

	RRP
	Euro
Integrated sideshifter	575

> See this attachment in action



Wide-opening fork positioner with welded forks



Technical details

- > W6 – Minimum width lift truck carriage
- > 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	RRP
	kg/mm											Euro
WF16-A0-12	1600/500	560-1740	950	750	1200 x 100 x 35	210	180	190	195	327	2A	6270
WF16-B0-12	1600/500	560-1840	1050	750	1200 x 100 x 35	210	180	186	199	340	2A	6480
WF20-A0-12	2000/500	560-1740	950	750	1200 x 100 x 40	210	185	197	195	330	2A	6540
WF20-B0-12	2000/500	560-1840	1050	750	1200 x 100 x 40	210	185	197	195	342	2A	6740
WF20-C0-12	2000/500	560-1940	1150	750	1200 x 100 x 40	210	185	197	195	355	2A	7000
WF23-A0-12	2300/500	560-1740	950	750	1200 x 100 x 40	210	185	197	195	333	2A	6800
WF23-B0-12	2300/500	560-1840	1050	750	1200 x 100 x 40	210	185	197	195	345	2A	6980
WF23-C0-12	2300/500	560-1940	1150	750	1200 x 100 x 40	210	185	197	195	358	2A	7280
WF30-A0-12	3000/500	560-1840	1050	800	1200 x 120 x 45	285	190	220	219	400	3A	7910
WF30-B0-12	3000/500	560-1940	1150	900	1200 x 120 x 45	285	190	214	223	406	3A	8150
WF30-C0-12	3000/500	560-2100	1320	900	1200 x 120 x 45	282	190	209	226	412	3A	9170
WF35-A0-12	3500/500	560-1840	1050	800	1200 x 120 x 50	285	195	220	219	450	3A	9200
WF35-B0-12	3500/500	560-1940	1150	900	1200 x 120 x 50	285	195	214	223	456	3A	9400
WF35-C0-12	3500/500	560-2100	1320	900	1200 x 120 x 50	282	195	209	226	462	3A	9640
WF40-A0-12	4000/500	560-1940	1150	900	1200 x 120 x 50	240	225	206	254	572	3A	9750
WF40-B0-12	4000/500	560-2100	1320	1000	1200 x 120 x 50	240	225	199	258	613	3A	10030
WF40-C0-12	4000/500	560-2400	1600	1050	1200 x 120 x 50	240	225	190	305	658	3A	10650
WF45-A0-12	4500/500	560-1940	1150	900	1200 x 150 x 50	240	225	226	244	617	3A	12010
WF45-B0-12	4500/500	560-2100	1320	1000	1200 x 150 x 50	240	225	218	248	655	3A	12370
WF45-C0-12	4500/500	560-2400	1600	1050	1200 x 150 x 50	240	225	209	295	700	3A	13130
WF55-A0-12	5500/600	560-2100	1320	1000	1200 x 150 x 60	330	225	186	248	677	4A	16640
WF55-B0-12	5500/600	560-2400	1600	1050	1200 x 150 x 60	330	225	176	248	707	4A	17090
WF65-A0-12	6500/600	560-2400	1600	1050	1200 x 150 x 60	330	235	181	248	815	4A	21710
WF65-B0-12	6500/600	560-2600	1800	1200	1200 x 150 x 60	330	235	172	248	840	4A	22190
WF80-A0-12	8000/600	660-2390	1800	1250	1200 x 150 x 70	250	290	205	252	1590	4A	21500
WF90-A0-12	9000/600	660-2590	2000	1350	1200 x 180 x 70	245	295	195	254	1680	4A	31310

Attachment not recommended for clamping between forks

Available on request

- > Class B forks
- > Bolted forks
- > Different fork dimensions
- > Other opening range

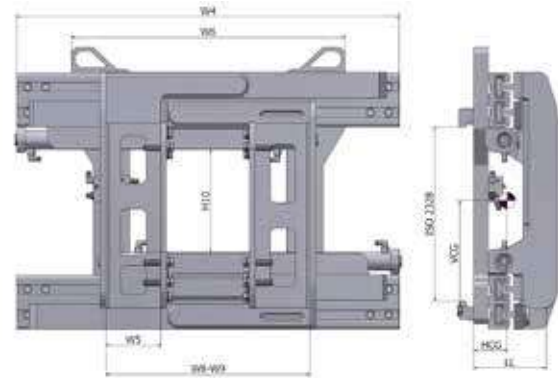
Options

	RRP
	Euro
2 hydraulic functions – Integrated sideshifter	580
Separate sideshifter: 100 + 100 mm for ISO/FEM 2	1145
Separate sideshifter: 100 + 100 mm for ISO/FEM 3	1670
Separate sideshifter: 100 + 100 mm for ISO/FEM 4	2320
2 hydraulic functions – Independent arm control	965
Quick-release lower mountings, class 2 or class 3	605
Quick-release lower mountings, class 4	810

- > See this attachment in action



Wide-opening fork positioner with FEM fork carriers



Technical details

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

Model	Capacity kg/mm	W8–W9 mm	W4 mm	W6 mm	W5 mm	H10 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
WA16-A0	1600/500	560-1740	950	750	130	210	185	81	255	253	2	5270
WA16-B0	1600/500	560-1840	1050	750	130	210	185	81	254	262	2	5430
WA16-C0	1600/500	560-1940	1150	750	130	210	185	82	255	279	2	5700
WA20-A0	2000/500	560-1740	950	750	130	210	185	81	255	255	2	5430
WA20-B0	2000/500	560-1840	1050	750	130	210	185	81	254	264	2	5580
WA20-C0	2000/500	560-1940	1150	750	130	210	185	82	255	281	2	5850
WA23-A0	2300/500	560-1740	950	750	130	210	185	81	255	258	2	5940
WA23-B0	2300/500	560-1840	1050	750	130	210	185	81	254	267	2	6080
WA23-C0	2300/500	560-1940	1150	750	130	210	185	82	255	284	2	6270
WA30-A0	3000/500	560-1840	1050	800	150	285	198	92	295	324	3	6340
WA30-B0	3000/500	560-1940	1150	900	150	285	198	93	292	335	3	6570
WA30-C0	3000/500	560-2100	1320	900	150	285	198	93	292	355	3	6850
WA35-A0	3500/500	560-1840	1050	800	150	285	200	92	295	337	3	6790
WA35-B0	3500/500	560-1940	1150	900	150	285	200	93	292	345	3	6960
WA35-C0	3500/500	560-2100	1320	900	150	285	200	93	292	369	3	7390
WA40-A0	4000/500	550-1930	1150	900	150	240	234	99	314	454	3	7750
WA40-B0	4000/500	560-2100	1320	1000	150	240	235	98	314	486	3	8060
WA40-C0	4000/500	560-2400	1600	1050	150	240	234	98	314	550	3	8720
WA45-A0	4500/500	560-1940	1150	900	150	240	234	99	314	458	3	8400
WA45-B0	4500/500	560-2100	1320	1000	150	240	235	98	314	490	3	8870
WA45-C0	4500/500	560-2400	1600	1050	150	240	234	98	314	554	3	9710
WA50-A0	5000/500	560-1940	1150	900	150	240	234	99	314	462	3	9800
WA50-B0	5000/500	560-2100	1320	1000	150	240	235	98	314	494	3	10270
WA50-C0	5000/500	560-2400	1600	1050	150	240	234	98	314	558	3	11110
WA55-A0	5500/600	560-2100	1320	1000	200	242	250	115	292	608	4	12030
WA55-B0	5500/600	560-2400	1600	1050	200	242	250	111	281	690	4	13650
WA65-A0	6500/600	560-2380	1600	1050	200	330	250	109	291	783	4	15490
WA65-B0	6500/600	560-2580	1800	1200	200	330	250	107	290	835	4	16200
WA80-A0	8000/600	660-2390	1800	1250	200	250	275	135	290	920	4	34080
WA90-A0	9000/600	600-2590	2000	1350	200	245	275	145	288	990	4	36010

Attachment not recommended for clamping between forks

Available on request

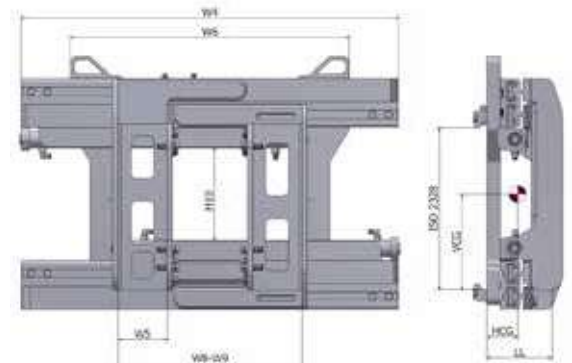
- > Pockets for forks with different dimensions
- > Other opening range

Options	RRP
	Euro
2 hydraulic functions – Integrated sideshifter	580
Separate sideshifter: 100 + 100 mm for ISO/FEM 2	1145
Separate sideshifter: 100 + 100 mm for ISO/FEM 3	1670
Separate sideshifter: 100 + 100 mm for ISO/FEM 4	2320
2 hydraulic functions – Independent arm control	965
Quick-release lower mountings, class 2 or class 3	605
Quick-release lower mountings, class 4	810

- > See this attachment in action



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



Technical details

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

Model	Capacity kg/mm	W8–W9 mm	W4 mm	W6 mm	W5 mm	H10 mm	LL mm	HCG mm	VCG mm	Weight kg	ISO 2328	RRP Euro
WA16-A0T	1600/500	560-1740	950	750	130	210	185	81	255	253	2	5930
WA16-B0T	1600/500	560-1840	1050	750	130	210	185	81	254	262	2	6080
WA16-C0T	1600/500	560-1940	1150	750	130	210	185	82	255	279	2	6340
WA20-A0T	2000/500	560-1740	950	750	130	210	185	81	255	255	2	6080
WA20-B0T	2000/500	560-1840	1050	750	130	210	185	81	254	264	2	6240
WA20-C0T	2000/500	560-1940	1150	750	130	210	185	82	255	281	2	6500
WA23-A0T	2300/500	560-1740	950	750	130	210	185	81	255	258	2	6570
WA23-B0T	2300/500	560-1840	1050	750	130	210	185	81	254	267	2	6730
WA23-C0T	2300/500	560-1940	1150	750	130	210	185	82	255	284	2	7210
WA30-A0T	3000/500	560-1840	1050	800	150	285	198	92	297	324	3	6990
WA30-B0T	3000/500	560-1940	1150	900	150	285	198	93	294	335	3	7210
WA30-C0T	3000/500	560-2100	1320	900	150	285	198	93	294	358	3	7520
WA35-A0T	3500/500	560-1840	1050	800	150	285	200	91	297	337	3	7430
WA35-B0T	3500/500	560-1940	1150	900	150	285	200	92	294	350	3	7670
WA35-C0T	3500/500	560-2100	1320	900	150	285	200	92	294	369	3	8090
WA40-A0T	4000/500	560-1940	1150	900	150	240	234	99	314	454	3	8390
WA40-B0T	4000/500	560-2100	1320	1000	150	240	235	98	314	492	3	8720
WA40-C0T	4000/500	560-2400	1600	1050	150	240	234	98	314	550	3	9350
WA45-A0T	4500/500	560-1940	1150	900	150	240	234	99	314	458	3	8930
WA45-B0T	4500/500	560-2100	1320	1000	150	240	235	98	314	496	3	9410
WA45-C0T	4500/500	560-2400	1600	1050	150	240	234	98	314	554	3	10230
WA50-A0T	5000/500	560-1940	1150	900	150	240	234	99	314	462	3	10320
WA50-B0T	5000/500	560-2100	1320	1000	150	240	235	98	314	450	3	10790
WA50-C0T	5000/500	560-2400	1600	1050	150	240	234	98	314	558	3	11610
WA55-A0T	5500/600	560-2100	1320	1000	200	330	250	115	292	608	4	12520
WA55-B0T	5500/600	560-2400	1600	1050	200	330	250	112	282	690	4	14140
WA65-A0T	6500/600	560-2380	1600	1050	200	330	250	109	291	767	4	15960
WA65-B0T	6500/600	560-2580	1800	1200	200	330	250	107	290	820	4	16660
WA80-A0T	8000/600	660-2390	1800	1250	200	250	275	135	290	920	4	34680
WA90-A0T	9000/600	600-2590	2000	1350	200	245	275	145	288	990	4	36710

Attachment not recommended for clamping between forks

Options

	RRP
	Euro
2 hydraulic functions – Independent arm control	965
Quick-release lower mountings, class 2 or class 3	605
Quick-release lower mountings, class 4	810

> See this attachment in action



Technical data

Fork positioners

Model	Positioning						Sideshifting						Hydraulic functions
	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Min	Recom- mended	Max	Min	Recom- mended	Max	Min	Recom- mended	Max	Min	Recom- mended	Max	
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
PJA20T – PJA35T	80	160	220	8	16	30	130	160	220	8	15	25	2
PJA50T – PJA55T	80	160	220	8	16	30	130	160	220	10	15	25	2
PJI20T – PJI35T	80	160	220	8	16	30	130	160	220	8	15	25	2
PJI50T – PJI55T	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 – PFA35	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 – PFA35T	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
PK25 – PK35	80	160	240	5	16	25	-	-	-	-	-	-	1
PK50	80	160	240	5	16	25	-	-	-	-	-	-	1
PK25TS – PK35TS	80	160	240	5	16	25	130	160	220	6	12	18	2
PK50TS	80	160	240	5	16	25	130	160	220	6	12	18	2
PKF25 – PKF35	80	160	240	5	16	25	-	-	-	-	-	-	1
PKF50	80	160	240	5	16	25	-	-	-	-	-	-	1
PKF25TS – PKF35TS	80	160	240	5	16	25	130	160	220	6	12	18	2
PKF50TS	80	160	240	5	16	25	130	160	220	6	12	18	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	140	160	220	15	15	25	2
WA30T – WA50T	100	160	220	12	20	30	140	160	220	15	15	25	2
WA55T – WA90T	100	160	220	15	25	40	140	160	220	15	18	30	2

Technical data

Fork positioners

Model	Positioning						Rotating						Hydraulic functions
	Operating pressure			Oil flow rate			Operating pressure			Oil flow rate			
	Min	Recom- mended	Max	Min	Recom- mended	Max	Min	Recom- mended	Max	Min	Recom- mended	Min	
PFR25 – PFR35	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
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		2