

# S11

## FORK POSITIONERS with Telescopic Forks

Fork positioners enable hydraulic positioning of forks. These attachments are used in particular for frequently changing load widths.

Due to the sturdy frame construction, the heavy-duty version is even suited for the toughest applications. A great deal of spreading stress can be absorbed due to the double-shaft guide and the bolt-on forks. When handling round goods, we recommend chamfering the inner and outer edges of the forks in order to avoid damage to the goods. For the emptying of boxes, the attachment is available as a rotatable version.

If a wide opening range is required, hydraulic fork spreaders should be used. With hydraulic fork spreaders and a frame width corresponding to the vehicle, the opening range of the forks can be adjusted beyond the width of the vehicle. Loads cannot be clamped with this attachment. Both attachments can be equipped with telescopic forks, which are serially provided as bolt-on forks.

Fork positioners can be equipped with a separate sideshifter or a sideshift valve. With the integral version, the attachment and not the fork carrier is mounted directly into the mast. This keeps the loss in load capacity to a minimum and enhances driver visibility.

Fork positioners ZVP/ZVPV allow mounting the truck's forks. Due to the profile guide, the opening range of the forks can be adjusted in accordance with the width of the attachment.



## Fork Positioners (Heavy-duty)



### Model S 11 - ZV

- Frame construction
- Double-shaft guided
- Forks adjustable to any position inside the frame
- Forks serially bolted on

from page 74

## Fork Positioners, Rotatable

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### Model S 11 - ZV-360°

- Rotation range 360°
- Frame construction
- Double-shaft guided
- Forks adjustable to any position inside the frame
- Forks serially bolted on

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## Fork Positioners, Profile-Guided



### Model S 11 - ZVP/ZVPV

- Profile-guided
- Forks can be hooked on
- ZVP for ISO classes 2 and 3 with forced hydraulic synchronism (not for version -SV)
- ZVPV for ISO class 4
- Forks adjustable to any position inside the frame

from page 82

## Fork Positioners with Large Opening Range



### Model S 11 - ZVKG

- Profile-guided
  - Opening range of the forks beyond the attachment width
  - Forks serially welded on
- from page 106

## Fork Positioners for Reach Trucks



### Model S 11 - ZVKGS/ZVPS

- Profile-guided
  - Opening range beyond the attachment width (ZVKGS) – opening range within the attachment contours (ZVPS)
  - Various designs for reach trucks
  - With/without forks/telescopic forks
- from page 108

## Fork Positioners with Telescopic Forks



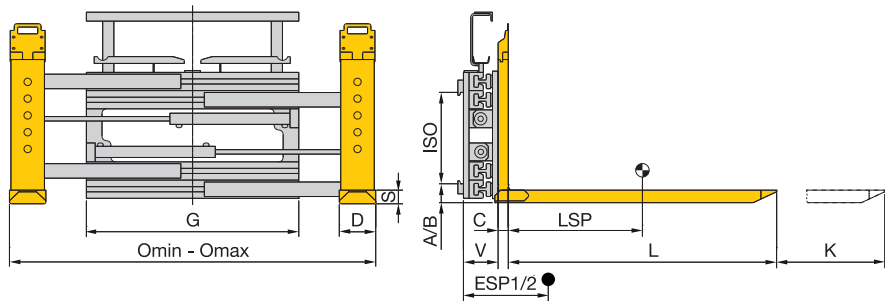
### Model S 11 - ZV-TGH

- Bolt-on telescopic forks serially
- ZV-TGH shaft-guided – Forks adjustable to any position inside the frame
- ZVPV/ZVPV-TGH profile-guided – opening range corresponding to attachment width
- ZVKG-TGH profile-guided – opening range of forks beyond the attachment width

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# Fork Positioners ZVKGs-Series with Telescopic Forks for Reach Trucks

2 hydraulic functions



Large opening range · Forks serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	Cross section* D x S		C	L	K	V**	CoG 1/ CoG 2** (ESP 1)/ (ESP 2**)	Weight**	Price	Surcharge per 100 mm add. fork length
						mm	mm								
S 11 - ZVKGs 18/TGHS 20 1200/850	1800	600	2	560-1560	880	133	58	45	1200	850	155	280/340	425		
S 11 - ZVKGs 18/TGHS 20 1350/1000	1800	600	2	560-1560	880	133	58	45	1350	1000	155	320/395	445		
S 11 - ZVKGs 25/TGH 25 1200/850	2500	600	2	560-1560	880	163	58	45	1200	850	155	305/370	475		
S 11 - ZVKGs 25/TGH 25 1350/1000	2500	600	2	560-1560	880	163	58	45	1350	1000	155	350/430	495		

- **Not suited for clamping applications.**

- Surcharge for sep. sideshift
- Surcharge for forced hydraulic synchronism on request.

\* Fork shoe reinforced in the rear area (10 mm wider)

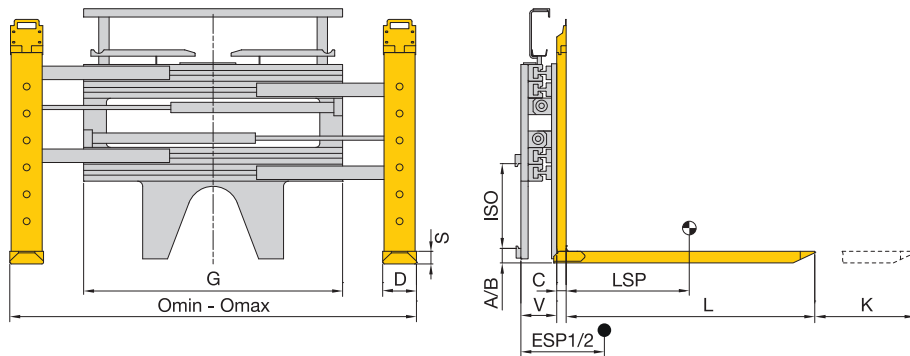
\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)
- Surcharge for pallet stops A3 (height 850 mm)
- Surcharge for solenoid valve
- Camera systems on request.

\*\* Can vary depending on the vehicle type.

# Fork Positioners ZVKG-S-H-Series with Telescopic Forks for Reach Trucks

2 hydraulic functions



S11

Large opening range · Forks serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	Cross section* D x S		C	L	K	V**	CoG 1/ CoG 2** (ESP 1)/ (ESP 2**)	Weight**	Price	Surcharge per 100 mm	
						mm	mm								fork length	larger opening range
	kg	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg			
S 11 - ZVKG 18-H/TGHS 20 1200/850	1800	600	2	560-1840	1150	133	58	45	1200	850	165	220/265	590			
S 11 - ZVKG 18-H/TGHS 20 1350/1000	1800	600	2	560-1840	1150	133	58	45	1350	1000	165	255/310	605			
S 11 - ZVKG 25-H/TGH 25 1200/850	2500	600	2	560-1840	1150	163	58	45	1200	850	165	240/290	660			
S 11 - ZVKG 25-H/TGH 25 1350/1000	2500	600	2	560-1840	1150	163	58	45	1350	1000	165	275/335	680			

- **Not suited for clamping applications**

- Surcharge for sep. sideshift
- Surcharge for forced hydraulic synchronism on request.

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

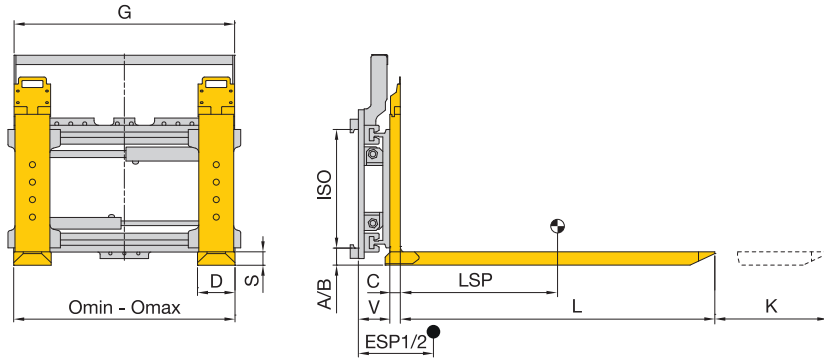
- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)
- Surcharge for pallet stops A3 (height 850 mm)
- Surcharge for solenoid valve

- Camera systems on request.

\*\* Can vary depending on the vehicle type.

# Fork Positioners ZVPS-Series with Telescopic Forks for Reach Trucks

2 hydraulic functions



Forks serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	Cross section*		C	L	K	V**	CoG 1**/ CoG 2** (ESP 1**)/ (ESP 2**)	Weight**	Price
						D	S							
	kg	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
S 11 - ZVPS 20/TGHS 20 1200/850	2000	600	2	400-690	750	133	58	45	1200	850	118	350/440	280	
				400-740	800	133	58	45	1200	850	118	345/440	282	
				400-790	850	133	58	45	1200	850	118	345/435	284	
S 11 - ZVPS 20/TGHS 20 1350/1000	2000	600	2	400-690	750	133	58	45	1350	1000	118	400/515	300	
				400-740	800	133	58	45	1350	1000	118	400/510	302	
				400-790	850	133	58	45	1350	1000	118	400/505	304	
S 11 - ZVPS 25/TGH 25 1200/850	2500	600	2	400-690	750	163	58	45	1200	850	118	370/470	322	
				400-740	800	163	58	45	1200	850	118	370/470	324	
				400-790	850	163	58	45	1200	850	118	370/465	326	
S 11 - ZVPS 25/TGH 25 1350/1000	2500	600	2	400-690	750	163	58	45	1350	1000	118	430/550	342	
				400-740	800	163	58	45	1350	1000	118	425/550	344	
				400-790	850	163	58	45	1350	1000	118	425/545	346	

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)

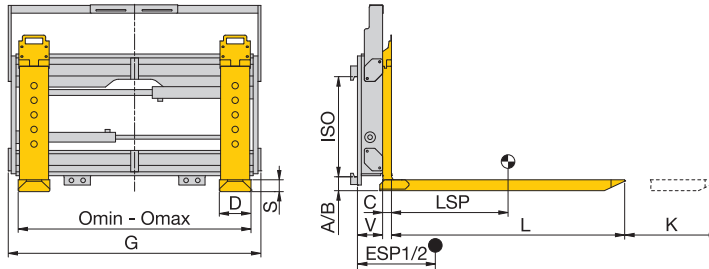
- Surcharge for pallet stops A3 (height 850 mm)

- Camera systems on request.

\*\* Can vary depending on the vehicle type.

# Fork Positioners ZV-Series with Telescopic Forks

2 hydraulic functions



LC = 600 mm · Forks serially bolted on

Model	Load capacity	for lift trucks up to	ISO	Omin-Omax	G	Cross section*		C	L	K	V	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight	Price	Surcharge per 100 mm		
						D x S									fork length	larger opening range	
	kg	to		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg				
S11 - ZV 20/TGHS 20 1200/850	2000	2,0	2	400-1000	1090	133	58	45	1200	850	120	305/385	335				
S11 - ZV 20/TGHS 20 1300/950				400-1000	1090	133	58	45	1300	950	120	335/425	350				
S11 - ZV 25/TGH 25 1200/850	2500	2,5	2	400-1100	1190	163	58	45	1200	850	125	320/405	395				
S11 - ZV 25/TGH 25 1300/950				400-1100	1190	163	58	45	1300	950	125	355/445	410				
S11 - ZV 30/TGH 30 1200/850	3000	3,0	3	400-1200	1300	163	58	45	1200	850	130	280/350	475				
S11 - ZV 30/TGH 30 1300/950				400-1200	1300	163	58	45	1300	950	130	310/385	490				
S11 - ZV 40/TGH 40 1200/850	4000	3,5	3	400-1300	1400	163	58	45	1200	850	135	275/340	500				
S11 - ZV 40/TGH 40 1300/950				400-1300	1400	163	58	45	1300	950	135	305/375	515				
S11 - ZV 45/TGH 40 1200/850	4500	4,0	3	400-1300	1400	163	58	45	1200	850	150	270/330	540				
S11 - ZV 45/TGH 40 1300/950				400-1300	1400	163	58	45	1300	950	150	300/365	555				
S11 - ZV 45/TGH 48 1200/850	4500	4,5	3	400-1300	1400	165	64	50	1200	850	150	290/365	575				
S11 - ZV 45/TGH 48 1300/950				400-1300	1400	165	64	50	1300	950	150	320/400	590				
S11 - ZV 48/TGH 48 1200/850	5000	5,0	3	400-1300	1400	165	64	50	1200	850	150	280/355	595				
S11 - ZV 48/TGH 48 1300/950				400-1300	1400	165	64	50	1300	950	150	310/390	610				
S11 - ZV 60/TGH 50 1200/850	6000	5,0	4	400-1400	1500	165	64	50	1200	850	155	265/330	660				
S11 - ZV 60/TGH 50 1300/950				400-1400	1500	165	64	50	1300	950	155	290/365	675				
S11 - ZV 70/TGH 60 1200/850	7000	6,0	4	500-1700	1810	217	67	50	1200	850	170	265/325	900				
S11 - ZV 70/TGH 60 1300/950				500-1700	1810	217	67	50	1300	950	170	290/360	920				

- One-sided loading of trucks requires a usable length of 1300 mm with 950 mm stroke.

- Camera systems on request.

- The handling of 2 Euro pallets lengthwise requires a usable length of 1350 mm with 1000 mm stroke.

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)

- Surcharge for pallet stops A3 (height 850 mm)

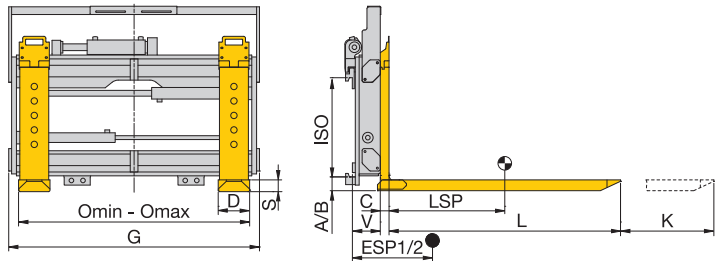
- Surcharge for integral design, see page 209

- Different load capacities and versions available on request.

See page 122 for standard values for the residual load capacity of lift trucks.

# Fork Positioners ZV-Series with Telescopic Forks and Separate Sideshift

2 hydraulic functions  
+ solenoid valve



LC = 600 mm · Forks serially bolted on · Incl. solenoid valve

Model	Load capacity	for lift trucks up to	ISO	Omin-Omax	G	Side-shift	Cross section* D x S		C	L	K	V	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight	Price	Surcharge per 100 mm	
							mm	mm								mm	mm
	kg	to		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg				
S 11 - ZV20/TGHS 20 1200/850-S	2000	2,0	2	400-1000	1090	± 100	133	58	45	1200	850	135	295/370	365			
S 11 - ZV20/TGHS 20 1300/950-S				400-1000	1090	± 100	133	58	45	1300	950	135	325/405	380			
S 11 - ZV25/TGH 25 1200/850-S	2500	2,5	2	400-1100	1190	± 100	163	58	45	1200	850	140	315/390	420			
S 11 - ZV25/TGH 25 1300/950-S				400-1100	1190	± 100	163	58	45	1300	950	140	345/430	435			
S 11 - ZV30/TGH 30 1200/850-S	3000	3,0	3	400-1200	1300	± 100	163	58	45	1200	850	145	275/335	515			
S 11 - ZV30/TGH 30 1300/950-S				400-1200	1300	± 100	163	58	45	1300	950	145	300/370	530			
S 11 - ZV40/TGH 40 1200/850-S	4000	3,5	3	400-1300	1400	± 100	163	58	45	1200	850	150	270/330	540			
S 11 - ZV40/TGH 40 1300/950-S				400-1300	1400	± 100	163	58	45	1300	950	150	295/360	555			
S 11 - ZV45/TGH 40 1200/850-S	4500	4,0	3	400-1300	1400	± 100	163	58	45	1200	850	165	265/320	580			
S 11 - ZV45/TGH 40 1300/950-S				400-1300	1400	± 100	163	58	45	1300	950	165	290/355	595			
S 11 - ZV45/TGH 48 1200/850-S	4500	4,5	3	400-1300	1400	± 100	165	64	50	1200	850	165	285/355	615			
S 11 - ZV45/TGH 48 1300/950-S				400-1300	1400	± 100	165	64	50	1300	950	165	310/390	630			
S 11 - ZV48/TGH 48 1200/850-S	5000	5,0	3	400-1300	1400	± 100	165	64	50	1200	850	165	280/345	635			
S 11 - ZV48/TGH 48 1300/950-S				400-1300	1400	± 100	165	64	50	1300	950	165	305/380	650			
S 11 - ZV60/TGH 50 1200/850-S	6000	5,0	4	400-1400	1500	± 150	165	64	50	1200	850	170	255/315	715			
S 11 - ZV60/TGH 50 1300/950-S				400-1400	1500	± 150	165	64	50	1300	950	170	280/350	730			
S 11 - ZV70/TGH 60 1200/850-S	7000	6,0	4	500-1700	1810	± 150	217	67	50	1200	850	190	260/315	995			
S 11 - ZV70/TGH 60 1300/950-S				500-1700	1810	± 150	217	67	50	1300	950	190	285/350	1015			

- One-sided loading of trucks requires a usable length of 1300 mm with 950 mm stroke.

- Camera systems on request.

- The handling of 2 Euro pallets lengthwise requires a usable length of 1350 mm with 1000 mm stroke.

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)

- Surcharge for pallet stops A3 (height 850 mm)

- Surcharge for integral design, see page 209

- Different load capacities and versions available on request.

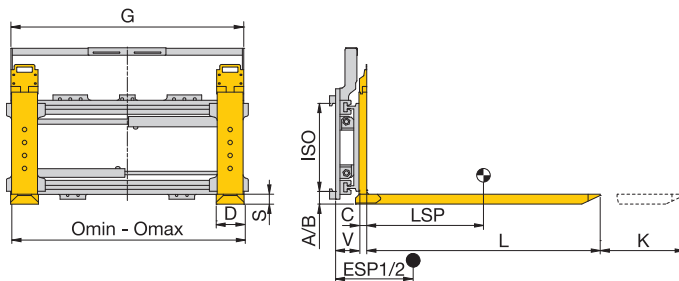
- Price reduction without solenoid valve

See page 122 for standard values for the residual load capacity of lift trucks.



# Fork Positioner ZVP-Series with Telescopic Forks

2 hydraulic functions



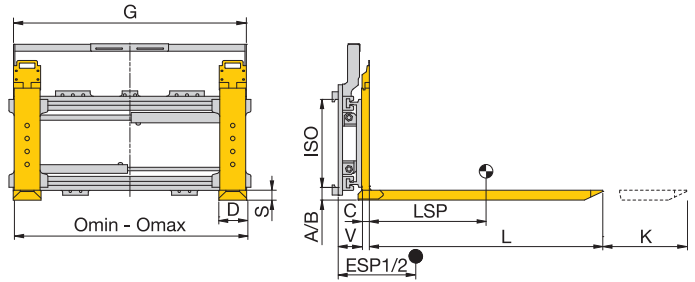
LC = 600 mm · Forks serially bolted on

Model	Load capacity kg	for lift trucks up to to	ISO	Omin-Omax mm	G mm	Cross section* D x S mm		C mm	L mm	K mm	V mm	CoG 1 / CoG 2 (ESP 1) / (ESP 2) mm		Weight kg	Price
						mm	mm					mm	mm		
S 11 - ZVP 20/TGHS 20 1200/850	2000	2,0	2	400- 980	980	133	58	45	1200	850	118	320/430	290		
				400-1050	1050	133	58	45	1200	850	118	315/425	295		
				400-1150	1150	133	58	45	1200	850	118	310/420	300		
S 11 - ZVP 20/TGHS 20 1300/950	2000	2,0	2	400- 980	980	133	58	45	1300	950	118	355/480	300		
				400-1050	1050	133	58	45	1300	950	118	350/475	305		
				400-1150	1150	133	58	45	1300	950	118	345/465	310		
S 11 - ZVP 25/TGH 25 1200/850	2500	2,5	2	400-1050	1050	163	58	45	1200	850	118	335/460	330		
				400-1150	1150	163	58	45	1200	850	118	330/455	335		
				400-1250	1250	163	58	45	1200	850	118	325/445	340		
S 11 - ZVP 25/TGH 25 1300/950	2500	2,5	2	400-1050	1050	163	58	45	1300	950	118	370/510	340		
				400-1150	1150	163	58	45	1300	950	118	365/505	345		
				400-1250	1250	163	58	45	1300	950	118	360/500	350		
S 11 - ZVP 35/TGH 30 1200/850	3500	3,0	3	400-1050	1050	163	58	45	1200	850	128	330/450	350		
				400-1150	1150	163	58	45	1200	850	128	330/445	355		
				400-1250	1250	163	58	45	1200	850	128	325/440	360		
				400-1350	1350	163	58	45	1200	850	128	320/435	365		
S 11 - ZVP 35/TGH 30 1300/950	3500	3,0	3	400-1050	1050	163	58	45	1300	950	128	365/500	360		
				400-1150	1150	163	58	45	1300	950	128	360/490	365		
				400-1250	1250	163	58	45	1300	950	128	355/485	370		
				400-1350	1350	163	58	45	1300	950	128	350/480	375		
S 11 - ZVP 48/TGH 40 1200/850	4500	4,0	3	400-1250	1250	163	58	45	1200	850	135	295/395	410		
				400-1350	1350	163	58	45	1200	850	135	295/390	415		
				400-1450	1450	163	58	45	1200	850	135	290/390	420		
				400-1550	1550	163	58	45	1200	850	135	290/395	425		
S 11 - ZVP 48/TGH 40 1300/950	4500	4,0	3	400-1250	1250	163	58	45	1300	950	135	325/440	420		
				400-1350	1350	163	58	45	1300	950	135	320/435	425		
				400-1450	1450	163	58	45	1300	950	135	320/430	430		
				400-1550	1550	163	58	45	1300	950	135	315/425	435		

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# Fork Positioner ZVP-Series with Telescopic Forks

2 hydraulic functions



LC = 600 mm · Forks serially bolted on

Model	Load capacity kg	for lift trucks up to to	ISO	Omin-Omax	G	Cross section* D x S		C	L	K	V	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight kg	Price
				mm	mm	mm	mm							
S 11 - ZVP 48/TGH 48 1200/850	4800	4,5	3	400-1250	1250	165	64	50	1200	850	135	315/420	435	
				400-1350	1350	165	64	50	1200	850	135	310/415	440	
				400-1450	1450	165	64	50	1200	850	135	310/410	445	
				400-1550	1550	165	64	50	1200	850	135	305/405	450	
S 11 - ZVP 48/TGH 48 1300/950	4800	4,5	3	400-1250	1250	165	64	50	1300	950	135	345/465	445	
				400-1350	1350	165	64	50	1300	950	135	340/460	450	
				400-1450	1450	165	64	50	1300	950	135	335/460	455	
				400-1550	1550	165	64	50	1300	950	135	335/455	460	

- One-sided loading of trucks requires a usable length of 1300 mm with 950 mm stroke.
- The handling of 2 Euro pallets lengthwise requires a usable length of 1350 mm with 1000 mm stroke.
- \* Fork shoe reinforced in the rear area (10 mm wider)
- \* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm
- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)
- Surcharge for pallet stops A3 (height 850 mm)
- Camera systems on request.

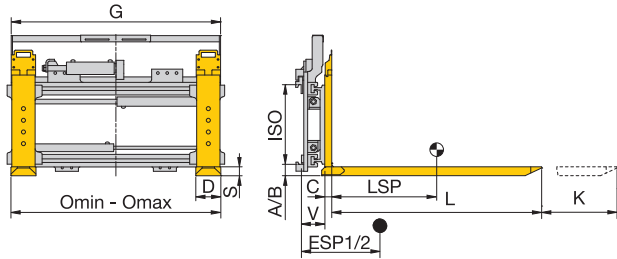
## Standard values for residual load capacity of lift trucks\*\*

Fork Positioners with Telescopic Forks	S 11 -	ZVP 20/ TGHS 20	ZVP 25/ TGH 25	ZVP 25/ TGH 25	ZVP 35/ TGH 30	ZVP 48/ TGH 40	ZVP 48/ TGH 40	ZVP 48/ TGH 48
Load capacity lift truck	kg	1800	2000	2500	3000	3500	4000	4500
X*	mm	370	450	450	450	500	500	500
LC (LSP) =600 mm	kg	1290	1470	1880	2250	2670	3080	3440
LC (LSP) =1200 mm	kg	820	950	1220	1480	1780	2050	2290
LC (LSP) =1450 mm	kg	720	840	1070	1290	1570	1810	2020
LC (LSP) =1650 mm	kg	640	760	980	1180	1430	1650	1840

- \*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.
- \* Assumed dimensions
- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).

# Fork Positioners ZVP-Series with Telescopic Forks and Separate Sideshift

2 hydraulic functions  
+ solenoid valve



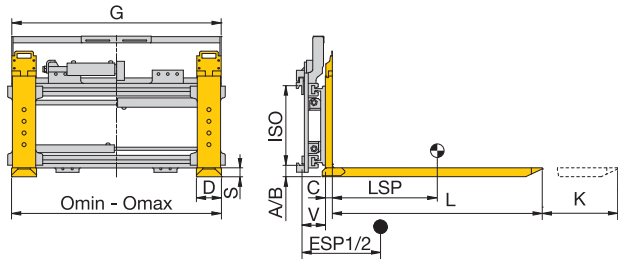
LC = 600 mm · Forks serially bolted on · Incl. solenoid valve

Model	Load capacity	for lift trucks up to	ISO	Omin-Omax	G	Side-shift	Cross section* D x S		C	L	K	V	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight	Price
							mm	mm							
S 11 - ZVP 20/TGHS 20 1200/850-S	2000	2,0	2	400- 980	980	± 100	133	58	45	1200	850	133	305/410	315	
				400-1050	1050	± 100	133	58	45	1200	850	133	305/405	320	
				400-1150	1150	± 100	133	58	45	1200	850	133	300/400	325	
S 11 - ZVP 20/TGHS 20 1300/950-S	2000	2,0	2	400- 980	980	± 100	133	58	45	1300	950	133	340/460	325	
				400-1050	1050	± 100	133	58	45	1300	950	133	335/450	330	
				400-1150	1150	± 100	133	58	45	1300	950	133	330/445	335	
S 11 - ZVP 25/TGH 25 1200/850-S	2500	2,5	2	400-1050	1050	± 100	163	58	45	1200	850	133	325/440	355	
				400-1150	1150	± 100	163	58	45	1200	850	133	320/435	360	
				400-1250	1250	± 100	163	58	45	1200	850	133	315/430	365	
S 11 - ZVP 25/TGH 25 1300/950-S	2500	2,5	2	400-1050	1050	± 100	163	58	45	1300	950	133	355/490	365	
				400-1150	1150	± 100	163	58	45	1300	950	133	350/485	370	
				400-1250	1250	± 100	163	58	45	1300	950	133	350/480	375	
S 11 - ZVP 35/TGH 30 1200/850-S	3500	3,0	3	400-1050	1050	± 100	163	58	45	1200	850	143	310/415	395	
				400-1150	1150	± 100	163	58	45	1200	850	143	305/410	400	
				400-1250	1250	± 100	163	58	45	1200	850	143	305/405	405	
				400-1350	1350	± 100	163	58	45	1200	850	143	300/400	410	
S 11 - ZVP 35/TGH 30 1300/950-S	3500	3,0	3	400-1050	1050	± 100	163	58	45	1300	950	143	340/460	405	
				400-1150	1150	± 100	163	58	45	1300	950	143	335/455	410	
				400-1250	1250	± 100	163	58	45	1300	950	143	335/450	415	
				400-1350	1350	± 100	163	58	45	1300	950	143	330/445	420	
S 11 - ZVP 48/TGH 40 1200/850-S	4500	4,0	3	400-1250	1250	± 100	163	58	45	1200	850	150	290/385	440	
				400-1350	1350	± 100	163	58	45	1200	850	150	290/380	445	
				400-1450	1450	± 100	163	58	45	1200	850	150	285/380	450	
				400-1550	1550	± 100	163	58	45	1200	850	150	285/375	455	
S 11 - ZVP 48/TGH 40 1300/950-S	4500	4,0	3	400-1250	1250	± 100	163	58	45	1300	950	150	320/425	450	
				400-1350	1350	± 100	163	58	45	1300	950	150	315/425	455	
				400-1450	1450	± 100	163	58	45	1300	950	150	315/420	460	
				400-1550	1550	± 100	163	58	45	1300	950	150	310/415	465	

S11

# Fork Positioners ZVP-Series with Telescopic Forks and Separate Sideshift

2 hydraulic functions  
+ solenoid valve



LC = 600 mm · Forks serially bolted on · Incl. solenoid valve

Model	Load capacity kg	for lift trucks up to to	ISO	Omin-Omax	G	Side-shift	Cross section* D x S		C	L	K	V	CoG 1/ CoG 2 (ESP 1)/ (ESP 2)	Weight kg	Price
				mm	mm		mm	mm							
S 11 - ZVP 48/TGH 48 1200/850-S	4800	4,5	3	400-1250	1250	± 100	165	64	50	1200	850	150	310/405	465	
				400-1350	1350	± 100	165	64	50	1200	850	150	305/405	470	
				400-1450	1450	± 100	165	64	50	1200	850	150	305/400	475	
				400-1550	1550	± 100	165	64	50	1200	850	150	300/395	480	
S 11 - ZVP 48/TGH 48 1300/950-S	4800	4,5	3	400-1250	1250	± 100	165	64	50	1300	950	150	335/450	475	
				400-1350	1350	± 100	165	64	50	1300	950	150	330/450	480	
				400-1450	1450	± 100	165	64	50	1300	950	150	330/445	485	
				400-1550	1550	± 100	165	64	50	1300	950	150	325/440	490	

- One-sided loading of trucks requires a usable length of 1300 mm with 950 mm stroke.
- The handling of 2 Euro pallets lengthwise requires a usable length of 1350 mm with 1000 mm stroke.

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)

- Surcharge for pallet stops A3 (height 850 mm)

- Price reduction without solenoid valve

- Camera systems on request.

## Standard values for residual load capacity of lift trucks\*\*

Fork Positioners with Telescopic Forks and Separate Sideshift	S 11 -	ZVP 20/ TGH S 20-S	ZVP 25/ TGH 25-S	ZVP 25/ TGH 25-S	ZVP 35/ TGH 30-S	ZVP 48/ TGH 40-S	ZVP 48/ TGH 40-S	ZVP 48/ TGH 48-S
Load capacity lift truck	kg	1800	2000	2500	3000	3500	4000	4500
X*	mm	370	450	450	450	500	500	500
LC (LSP) = 600 mm	kg	1260	1440	1840	2200	2620	3020	3380
LC (LSP) = 1200 mm	kg	810	940	1200	1450	1750	2020	2260
LC (LSP) = 1450 mm	kg	700	820	1050	1270	1540	1780	1990
LC (LSP) = 1650 mm	kg	630	750	960	1160	1410	1630	1820

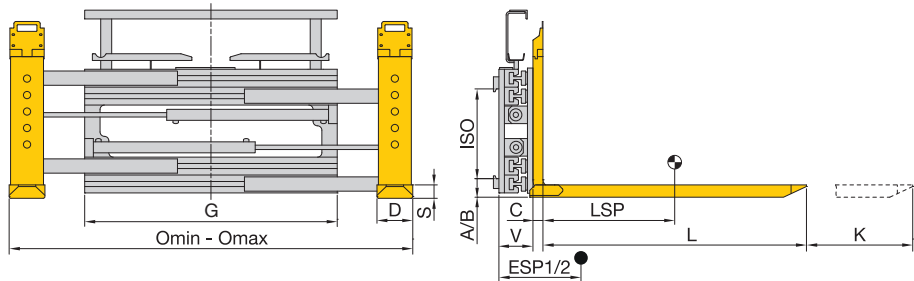
\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

\* Assumed dimensions

- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).

# Fork Positioner ZVKG-Series with Telescopic Forks

2 hydraulic functions



Large opening range · LC = 600 mm · Forks serially bolted on

Model	Load capacity	for lift trucks up to	ISO	Omin-Omax	G	Cross section* D x S	C	L	K	V	CoG 1 / CoG 2 (ESP 1) / (ESP 2)	Weight	Price	Surcharge per 100 mm		
														kg	to	mm
S 11 - ZVKG 20/TGHS 20 1200/850	2000	2,0	2	560-1640	950	133 58	58	45	1200	850	155	275/335	435			
S 11 - ZVKG 20/TGHS 20 1300/950				560-1640	950	133 58	58	45	1300	950	155	300/370	450			
S 11 - ZVKG 25/TGH 25 1200/850	2500	2,5	2	560-1740	1050	163 58	58	45	1200	850	155	285/350	495			
S 11 - ZVKG 25/TGH 25 1300/950				560-1740	1050	163 58	58	45	1300	950	155	315/390	510			
S 11 - ZVKG 30/TGH 30 1200/850	3000	3,0	3	560-1840	1150	163 58	58	45	1200	850	155	275/340	525			
S 11 - ZVKG 30/TGH 30 1300/950				560-1840	1150	163 58	58	45	1300	950	155	305/370	540			
S 11 - ZVKG 40/TGH 40 1200/850	4000	3,5	3	560-1940	1250	163 58	58	45	1200	850	170	250/300	625			
S 11 - ZVKG 40/TGH 40 1300/950				560-1940	1250	163 58	58	45	1300	950	170	275/330	640			
S 11 - ZVKG 45/TGH 40 1200/850	4500	4,0	3	560-2040	1350	163 58	58	45	1200	850	170	245/295	640			
S 11 - ZVKG 45/TGH 40 1300/950				560-2040	1350	163 58	58	45	1300	950	170	270/325	655			
S 11 - ZVKG 45/TGH 48 1200/850	4500	4,5	3	560-2040	1350	165 64	64	50	1200	850	170	265/325	675			
S 11 - ZVKG 45/TGH 48 1300/950				560-2040	1350	165 64	64	50	1300	950	170	290/360	690			
S 11 - ZVKG 48/TGH 48 1200/850	5000	5,0	3	560-2040	1350	165 64	64	50	1200	850	170	260/315	695			
S 11 - ZVKG 48/TGH 48 1300/950				560-2040	1350	165 64	64	50	1300	950	170	285/350	710			
S 11 - ZVKG 60/TGH 50 1200/850	6000	5,0	4	560-2140	1450	165 64	64	50	1200	850	185	250/300	810			
S 11 - ZVKG 60/TGH 50 1300/950				560-2140	1450	165 64	64	50	1300	950	185	275/335	825			
S 11 - ZVKG 70/TGH 60 1200/850	7000	6,0	4	560-2410	1750	217 67	67	50	1200	850	185	255/315	980			
S 11 - ZVKG 70/TGH 60 1300/950				560-2410	1750	217 67	67	50	1300	950	185	280/345	1000			

- One-sided loading of trucks requires a usable length of 1300 mm with 950 mm stroke.

- Camera systems on request.

- The handling of 2 Euro pallets lengthwise requires a usable length of 1350 mm with 1000 mm stroke.

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)

- Surcharge for pallet stops A3 (height 850 mm)

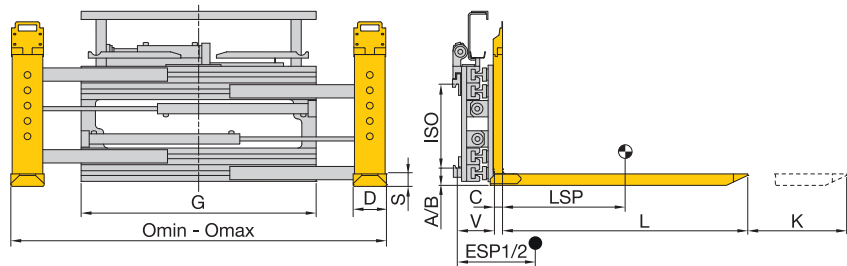
- Surcharge for integral design, see page 209

- Different load capacities and versions available on request.

See page 123 for standard values for the residual load capacity of lift trucks.

# Fork Positioners ZVKG-Series with Telescopic Forks and Separate Sideshift

2 hydraulic functions + solenoid valve



Large opening range · LC = 600 mm · Forks serially bolted on · Incl. solenoid valve

Model	Load capacity kg	for lift trucks up to to	ISO	Omin-Omax mm	G mm	Side-shift mm	Cross section* D x S mm	C mm	L mm	K mm	V mm	CoG 1/ CoG 2 (ESP 2)/ (ESP 2) mm	Weight kg	Price	Surcharge per 100 mm fork length	larger opening range
S 11 - ZVKG 20/TGHS 20 1200/850-S	2000	2,0	2	560-1640	950	± 100	133	58	45	1200	850	170	270/330	465		
S 11 - ZVKG 20/TGHS 20 1300/950-S				560-1640	950	± 100	133	58	45	1300	950	170	295/360	480		
S 11 - ZVKG 25/TGH 25 1200/850-S	2500	2,5	2	560-1740	1050	± 100	163	58	45	1200	850	170	285/345	525		
S 11 - ZVKG 25/TGH 25 1300/950-S				560-1740	1050	± 100	163	58	45	1300	950	170	310/380	540		
S 11 - ZVKG 30/TGH 30 1200/850-S	3000	3,0	3	560-1840	1150	± 100	163	58	45	1200	850	170	270/330	565		
S 11 - ZVKG 30/TGH 30 1300/950-S				560-1840	1150	± 100	163	58	45	1300	950	170	295/360	580		
S 11 - ZVKG 40/TGH 40 1200/850-S	4000	3,5	3	560-1940	1250	± 100	163	58	45	1200	850	185	250/300	665		
S 11 - ZVKG 40/TGH 40 1300/950-S				560-1940	1250	± 100	163	58	45	1300	950	185	275/325	680		
S 11 - ZVKG 45/TGH 40 1200/850-S	4500	4,0	3	560-2040	1350	± 100	163	58	45	1200	850	185	245/295	680		
S 11 - ZVKG 45/TGH 40 1300/950-S				560-2040	1350	± 100	163	58	45	1300	950	185	270/320	695		
S 11 - ZVKG 45/TGH 48 1200/850-S	4500	4,5	3	560-2040	1350	± 100	165	64	50	1200	850	185	265/325	715		
S 11 - ZVKG 45/TGH 48 1300/950-S				560-2040	1350	± 100	165	64	50	1300	950	185	290/355	730		
S 11 - ZVKG 48/TGH 48 1200/850-S	5000	5,0	3	560-2040	1350	± 100	165	64	50	1200	850	185	260/320	735		
S 11 - ZVKG 48/TGH 48 1300/950-S				560-2040	1350	± 100	165	64	50	1300	950	185	285/350	750		
S 11 - ZVKG 60/TGH 50 1200/850-S	6000	5,0	4	560-2140	1450	± 150	165	64	50	1200	850	200	250/295	870		
S 11 - ZVKG 60/TGH 50 1300/950-S				560-2140	1450	± 150	165	64	50	1300	950	200	270/325	885		
S 11 - ZVKG 70/TGH 60 1200/850-S	7000	6,0	4	560-2410	1750	± 150	217	67	50	1200	850	205	255/305	1060		
S 11 - ZVKG 70/TGH 60 1300/950-S				560-2410	1750	± 150	217	67	50	1300	950	205	275/335	1080		

- One-sided loading of trucks requires a usable length of 1300 mm with 950 mm stroke.

- Camera systems on request.

- The handling of 2 Euro pallets lengthwise requires a usable length of 1350 mm with 1000 mm stroke.

\* Fork shoe reinforced in the rear area (10 mm wider)

\* Surcharge for wear-resistant manganese steel strips on underside of outer forks, dimension S increases by 5 mm

- Surcharge for pallet stops A1 (located on each side of the fork shoe) or pallet stops A2 (height 400 mm)

- Surcharge for pallet stops A3 (height 850 mm)

- Surcharge for integral design, see page 209

- Different load capacities and versions available on request.

- Price reduction without solenoid valve

See page 123 for standard values for the residual load capacity of lift trucks.

# Standard values for residual load capacity of lift trucks\*\*

## Fork Positioners ZV-Series with Telescopic Forks

(see page 114)

Fork Positioners with Telescopic Forks	S 11 -	ZV 20/ TGHS 20	ZV 20/ TGH 20	ZV 25/ TGH 25	ZV 30/ TGH 30	ZV 40/ TGH 40	ZV 45/ TGH 40	ZV 45/ TGH 48	ZV 48/ TGH 48	ZV 60/ TGH 50	ZV 70/ TGH 60
Load capacity lift truck	kg	1800	2000	2500	3000	3500	4000	4500	5000/500	5000	6000
X*	mm	370	450	450	450	500	500	500	500	560	560
LC (LSP) = 600 mm	kg	1290	1480	1850	2200	2650	3000	3340	3800	4200	4890
LC (LSP) = 1200 mm	kg	820	970	1210	1450	1770	2000	2240	2530	2860	3340
LC (LSP) = 1450 mm	kg	710	830	1040	1270	1550	1770	1970	2280	(2320)	2950
LC (LSP) = 1650 mm	kg	640	740	920	1140	1420	1610	1790	(2000)	(2040)	2700

\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

\* Assumed dimensions

- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).

## Fork Positioners ZV-Series with Telescopic Forks and Separate Sideshift (see page 115)

Fork Positioners with Telescopic Forks and Separate Sideshift	S 11 -	ZV 20/ TGHS 20-S	ZV 20/ TGH 20-S	ZV 25/ TGH 25-S	ZV 30/ TGH 30-S	ZV 40/ TGH 40-S	ZV 45/ TGH 40-S	ZV 45/ TGH 48-S	ZV 48/ TGH 48-S	ZV 60/ TGH 50-S	ZV 70/ TGH 60-S
Load capacity lift truck	kg	1800	2000	2500	3000	3500	4000	4500	5000/500	5000	6000
X*	mm	370	450	450	450	500	500	500	500	560	560
LC (LSP) = 600 mm	kg	1260	1440	1800	2160	2600	2940	3280	3720	4130	4770
LC (LSP) = 1200 mm	kg	810	950	1180	1420	1730	1970	2200	2500	2820	3270
LC (LSP) = 1450 mm	kg	700	820	1030	1240	1520	1730	1940	2200	(2320)	2900
LC (LSP) = 1650 mm	kg	630	730	910	1120	1380	1570	1760	(2000)	(2040)	2650

\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

\* Assumed dimensions

- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).

# Standard values for residual load capacity of lift trucks\*\*

## Fork Positioner ZVKG-Series with Telescopic Forks

(see page 120)

Fork Positioners with Telescopic Forks	S 11 -	ZVKG 20/ TGHS 20	ZVKG 20/ TGHS 20	ZVKG 25/ TGH 25	ZVKG 30/ TGH 30	ZVKG 40/ TGH 40	ZVKG 45/ TGH 40	ZVKG 45/ TGH 48	ZVKG 48/ TGH 48	ZVKG 60/ TGH 50	ZVKG 70/ TGH 60
Load capacity lift truck	kg	1800	2000	2500	3000	3500	4000	4500	5000/500	5000	6000
X*	mm	370	450	450	450	500	500	500	500	560	560
LC (LSP) = 600 mm	kg	1210	1390	1750	2130	2510	2900	3220	3700	4060	4800
LC (LSP) = 1200 mm	kg	780	920	1150	1400	1680	1950	2190	2480	2790	3280
LC (LSP) = 1450 mm	kg	680	810	1010	1230	1480	1710	1930	2180	(2320)	2910
LC (LSP) = 1650 mm	kg	620	730	910	1110	1340	1550	1750	1980	(2040)	2650

\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

\* Assumed dimensions

- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).

## Fork Positioners ZVKG-Series with Telescopic Forks and Separate Sideshift (see page 121)

Fork Positioners with Telescopic Forks and Separate Sideshift	S 11 -	ZVKG 20/ TGHS 20-S	ZVKG 20/ TGHS 20-S	ZVKG 25/ TGH 25-S	ZVKG 30/ TGH 30-S	ZVKG 40/ TGH 40-S	ZVKG 45/ TGH 40-S	ZVKG 45/ TGH 48-S	ZVKG 48/ TGH 48-S	ZVKG 60/ TGH 50-S	ZVKG 70/ TGH 60-S
Load capacity lift truck	kg	1800	2000	2500	3000	3500	4000	4500	5000/500	5000	6000
X*	mm	370	450	450	450	500	500	500	500	560	560
LC (LSP) = 600 mm	kg	1180	1360	1710	2080	2460	2840	3190	3630	3990	4700
LC (LSP) = 1200 mm	kg	770	900	1130	1380	1650	1920	2150	2440	2750	3220
LC (LSP) = 1450 mm	kg	660	790	990	1210	1450	1690	1900	2150	(2320)	2860
LC (LSP) = 1650 mm	kg	600	720	890	1090	1320	1530	1720	1950	(2040)	2600

\*\* The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

\* Assumed dimensions

- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ( ).





Fork positioners - load capacity 55,000 kg / 1,200 mm



Fork positioner with load stabilizer



Fork positioner ZVP-series with telescopic forks



Fork positioner with load arm



Special fork positioner with 4 forks



Fork positioner ZVPV-series