

S11

FORK POSITIONERS ZV

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

S11



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

from page 80

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 - ZVKG/S/ZVPS

- Profile-guided
 - Opening range beyond the attachment width (ZVKG/S) – 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



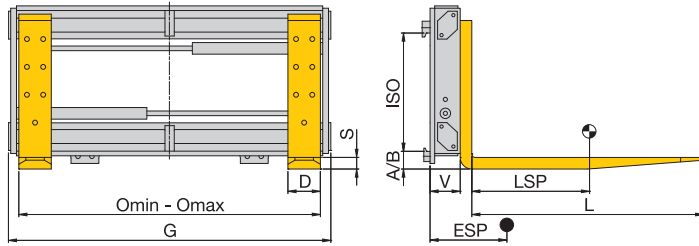
Model S 11 - ZV-TGH

- 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

from page 111

Fork Positioners ZV-Series (Heavy-Duty)

1 hydraulic function



Shaft-guided · Forks serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range
S 11 - ZV 20	2000	500	2	400-1000	1090	120	40	1200	120	235	280			
S 11 - ZV 25	2500	600	2	400-1100	1190	125	45	1200	125	245	320			
S 11 - ZV 30	3000	500	3	400-1200	1300	140	50	1200	130	240	430			
S 11 - ZV 40	4000	500	3	400-1300	1400	140	50	1200	135	230	455			
S 11 - ZV 45	4500	600	3	400-1300	1400	150	60	1200	150	255	550			
S 11 - ZV 48	5000	600	3	400-1300	1400	150	60	1200	150	245	570			
S 11 - ZV 50	5000	600	4	400-1400	1500	150	60	1200	150	235	640			
S 11 - ZV 60	6000	600	4	400-1700	1800	150	65	1200	155	230	730			
S 11 - ZV 70	7000	600	4	400-1900	2010	150	70	1200	170	220	910			
S 11 - ZV 80	8000	600	4	500-1900	2010	200	70	1200	175	245	1055			
S 11 - ZV 80/900	8000	900	4	500-2100	2220	200	70	1200	185	210	1385			
S 11 - ZV 100	10000	600	4	500-2100	2220	200	70	1200	185	210	1385			

- Surcharge for chamfer on fork inner edge 25 x 45°, up to 1500 mm length, from 1600 mm length

- Inner opening range = 0, on request.
- Ex-protection version on request.

- Fork positioners with ISO fork carriage plates for mounting the truck's forks on request.



Standard values for residual load capacity of lift trucks**

Fork Positioners	S 11 -	ZV 20	ZV 20	ZV 25	ZV 30	ZV 30	ZV 40	ZV 40	ZV 45	ZV 48 ZV 50	ZV 60	ZV 70	ZV 80	ZV 100
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000	10000
X*	mm	350	450	450	450	500	500	500	500	560	560	650	650	750
LC (LSP) = 500 mm	kg	1220	1710	2110	2480	2960	3380	3820	4190					
LC (LSP) = 600 mm	kg	1110	1560	1930	2270	2720	3100	3510	3850	4250	5050	5900	6660	8350
LC (LSP) = 700 mm	kg	1010	1440	1780	2100	(2360)	2870	(3150)	3560	3950	4690	5500	6220	7850
LC (LSP) = 800 mm	kg	940	1330	1650	1940	(2060)	2670	(2750)	3310	3690	4380	5160	5850	7400

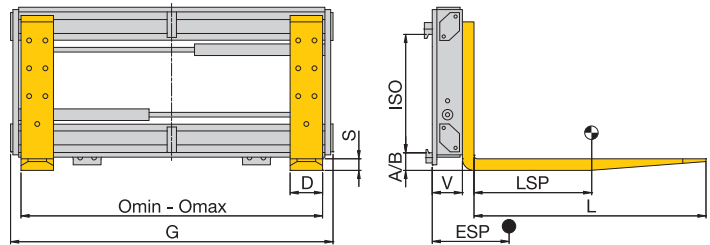
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

- 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 ().

* Assumed dimensions

Fork Positioners ZV-Series (Heavy-Duty) with Sideshift Valve

2 hydraulic functions



Shaft-guided · Forks serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range
	kg													
S 11 - ZV 20-SV	2000	500	2	400-1000	1090	120	40	1200	120	235	285			
S 11 - ZV 25-SV	2500	600	2	400-1100	1190	125	45	1200	125	245	325			
S 11 - ZV 30-SV	3000	500	3	400-1200	1300	140	50	1200	130	235	440			
S 11 - ZV 40-SV	4000	500	3	400-1300	1400	140	50	1200	135	225	470			
S 11 - ZV 45-SV	4500	600	3	400-1300	1400	150	60	1200	150	250	570			
S 11 - ZV 48-SV	5000	600	3	400-1300	1400	150	60	1200	150	240	580			
S 11 - ZV 50-SV	5000	600	4	400-1400	1500	150	60	1200	150	230	650			
S 11 - ZV 60-SV	6000	600	4	400-1700	1800	150	65	1200	155	230	740			
S 11 - ZV 70-SV	7000	600	4	400-1900	2010	150	70	1200	170	215	930			
S 11 - ZV 80-SV	8000	600	4	500-1900	2010	200	70	1200	175	245	1075			
S 11 - ZV 80/900-SV	8000	900	4	500-2100	2220	200	70	1200	190	210	1405			
S 11 - ZV 100-SV	10000	600	4	500-2100	2220	200	70	1200	190	210	1405			

- Surcharge for chamfer on fork inner edge 25 x 45°, up to 1500 mm length, from 1600 mm length
- Fork positioners with ISO fork carriage plates for mounting the truck's forks on request.
- No sideshifting when forks are in their end positions! Also see page 9

- Inner opening range = 0 on request.
- Ex-protection version on request.



Standard values for residual load capacity of lift trucks**

Fork Positioners	S 11 -	ZV 20-SV	ZV 20-SV	ZV 25-SV	ZV 30-SV	ZV 30-SV	ZV 40-SV	ZV 40-SV	ZV 45-SV	ZV 48/50-SV	ZV 60-SV	ZV 70-SV	ZV 80-SV	ZV 100-SV
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000	10000
X*	mm	350	450	450	450	500	500	500	500	560	560	650	650	750
LC (LSP) = 500 mm	kg	1220	1710	2110	2480	2960	3380	3820	4190					
LC (LSP) = 600 mm	kg	1110	1560	1930	2270	2720	3100	3510	3850	4250	5050	5900	6660	8300
LC (LSP) = 700 mm	kg	1010	1440	1780	2100	(2360)	2870	(3150)	3560	3950	4690	5500	6220	7800
LC (LSP) = 800 mm	kg	940	1330	1650	1940	(2060)	2670	(2750)	3310	3690	4380	5160	5850	7350

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

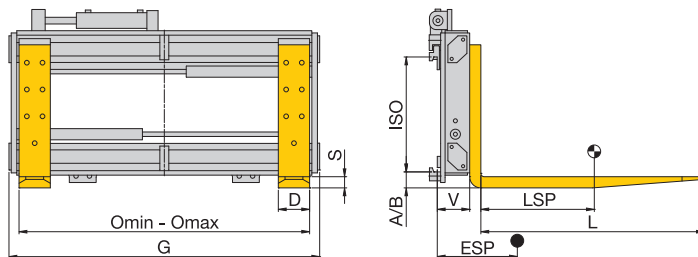
* Assumed dimensions

- 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 ().

S11

Fork Positioners ZV-Series (Heavy-Duty) with Separate Sideshift

2 hydraulic functions



Shaft-guided · Forks serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	Side-shift	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm fork length	Surcharge per 100 mm add. opening range
S 11 - ZV 20-S	2000	500	2	400-1000	1090	± 100	120	40	1200	135	225	310			
S 11 - ZV 25-S	2500	600	2	400-1100	1190	± 100	125	45	1200	140	235	350			
S 11 - ZV 30-S	3000	500	3	400-1200	1300	± 100	140	50	1200	145	235	465			
S 11 - ZV 40-S	4000	500	3	400-1300	1400	± 100	140	50	1200	150	220	495			
S 11 - ZV 45-S	4500	600	3	400-1300	1400	± 100	150	60	1200	165	255	590			
S 11 - ZV 48-S	5000	600	3	400-1300	1400	± 100	150	60	1200	165	245	610			
S 11 - ZV 50-S	5000	600	4	400-1400	1500	± 100	150	60	1200	165	230	695			
S 11 - ZV 60-S	6000	600	4	400-1700	1800	± 150	150	65	1200	170	225	785			
S 11 - ZV 70-S	7000	600	4	400-1900	2010	± 150	150	70	1200	190	220	985			
S 11 - ZV 80-S	8000	600	4	500-1900	2010	± 150	200	70	1200	195	245	1130			
S 11 - ZV 80/900-S	8000	900	4	500-2100	2220	± 150	200	70	1200	215	225	1485			
S 11 - ZV 100-S	10000	600	4	500-2100	2220	± 150	200	70	1200	215	225	1485			

- Surcharge for chamfer on fork inner edge 25 x 45°, up to 1500 mm length, from 1600 mm length
- Fork positioners with ISO fork carriage plates for mounting the truck's forks on request.

- Inner opening range = 0, on request.
- Ex-protection version on request.



Standard values for residual load capacity of lift trucks**

Fork Positioners	S 11 -	ZV 20-S	ZV 20-S	ZV 25-S	ZV 30-S	ZV 30-S	ZV 40-S	ZV 40-S	ZV 45-S	ZV 48/50-S	ZV 60-S	ZV 70-S	ZV 80-S	ZV 100-S
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000	10000
X*	mm	350	450	450	450	500	500	500	500	560	560	650	650	750
LC (LSP) = 500 mm	kg	1200	1670	2070	2420	2900	3310	3750	4110					
LC (LSP) = 600 mm	kg	1090	1530	1900	2220	2670	3050	3450	3790	4170	4960	5760	6530	8100
LC (LSP) = 700 mm	kg	1000	1410	1750	2050	(2360)	2820	(3150)	3510	3880	4620	5400	6110	7650
LC (LSP) = 800 mm	kg	920	1310	1620	1900	(2060)	2630	(2750)	3270	3630	4320	5060	5740	7200

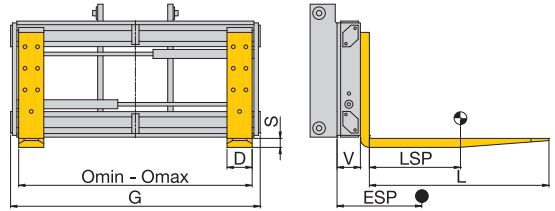
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

* 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 ZVI-Series, Integral (Heavy-Duty)

1 hydraulic function



Shaft-guided · Forks serially bolted on

Model	Load capacity	LC (LSP)	Omin - Omax	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range
	kg												
S 11 - ZVI 20	2000	500	400-1000	1090	120	40	1200	120	240	280			
S 11 - ZVI 25	2500	600	400-1100	1190	125	45	1200	125	245	320			
S 11 - ZVI 30	3000	500	400-1200	1300	140	50	1200	130	240	430			
S 11 - ZVI 40	4000	500	400-1300	1400	140	50	1200	135	230	455			
S 11 - ZVI 45	4500	600	400-1300	1400	150	60	1200	150	255	550			
S 11 - ZVI 48*	5000	600	400-1300	1400	150	60	1200	150	250	570			
S 11 - ZVI 50	5000	600	400-1400	1500	150	60	1200	150	235	640			
S 11 - ZVI 60	6000	600	400-1700	1800	150	65	1200	155	230	730			
S 11 - ZVI 70	7000	600	400-1900	2010	150	70	1200	170	220	910			
S 11 - ZVI 80	8000	600	500-1900	2010	200	70	1200	175	245	1055			
S 11 - ZVI 80/900	8000	900	500-2100	2220	200	70	1200	185	225	1285			
S 11 - ZVI 100	10000	600	500-2100	2220	200	70	1200	185	225	1285			
S 11 - ZVI 80/1100	8000	1100	500-2100	2220	200	80	1200	190	240	1410			
S 11 - ZVI 120	12000	600	500-2100	2220	200	80	1200	190	240	1410			

* For vehicles of ISO class 3

- Lost load center, center of gravity and weight from front edge of side brackets.
- Detail drawings of fork carriage, roller studs and chain anchors or the fork carriage have to be provided by the customer.
- Price includes side brackets.

- Surcharge for chamfer on fork inner edge 25 x 45°, up to 1500 mm length, from 1600 mm length
- Fork positioners with ISO fork carriage plates for mounting the truck's forks on request.
- Inner opening range = 0, on request.
- Ex-protection version on request.



Standard values for residual load capacity of lift trucks**

Fork Positioners Integral	S 11 -	ZVI 20	ZVI 20	ZVI 25	ZVI 30	ZVI 30	ZVI 40	ZVI 40	ZVI 45	ZVI 48/50	ZVI 60	ZVI 70	ZVI 80	ZVI 100	ZVI 120
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000	10000	12000
X*	mm	350	450	450	450	500	500	500	500	580	560	650	650	750	800
LC (LSP) = 500 mm	kg	1300	1800	2220	2640	3160	3590	4050	4420						
LC (LSP) = 600 mm	kg	1180	1640	2030	2410	(2750)	3290	(3670)	4060	4560	5400	6310	7120	9300	11100
LC (LSP) = 700 mm	kg	1070	1510	1860	2220	(2360)	3030	(3150)	3750	4230	5000	5880	6640	8690	10400
LC (LSP) = 800 mm	kg	990	1400	1720	2050	(2060)	2810	(2750)	3480	3930	4660	5500	6210	8150	9800

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

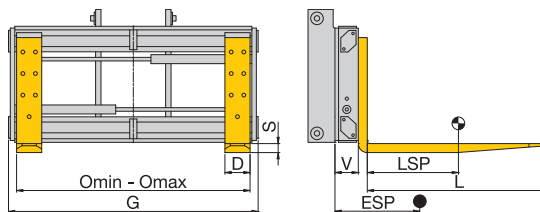
* Assumed dimensions

- 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 ().

S11

Fork Positioners ZVI-Series, Integral (Heavy-Duty) with Sideshift Valve

2 hydraulic functions



Shaft-guided · Forks serially bolted on

Model	Load capacity	LC (LSP)	Omin-Omax	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range
	kg												
S 11 - ZVI 20-SV	2000	500	400-1000	1090	120	40	1200	120	235	285			
S 11 - ZVI 25-SV	2500	600	400-1100	1190	125	45	1200	125	245	325			
S 11 - ZVI 30-SV	3000	500	400-1200	1300	140	50	1200	130	235	440			
S 11 - ZVI 40-SV	4000	500	400-1300	1400	140	50	1200	135	225	470			
S 11 - ZVI 45-SV	4500	600	400-1300	1400	150	60	1200	150	250	570			
S 11 - ZVI 48-SV*	5000	600	400-1300	1400	150	60	1200	150	240	580			
S 11 - ZVI 50-SV	5000	600	400-1400	1500	150	60	1200	150	230	650			
S 11 - ZVI 60-SV	6000	600	400-1700	1800	150	65	1200	155	230	740			
S 11 - ZVI 70-SV	7000	600	400-1900	2010	150	70	1200	170	215	930			
S 11 - ZVI 80-SV	8000	600	500-1900	2010	200	70	1200	175	245	1075			
S 11 - ZVI 80/900-SV	8000	900	500-2100	2220	200	70	1200	190	225	1305			
S 11 - ZVI 100-SV	10000	600	500-2100	2220	200	70	1200	190	225	1305			
S 11 - ZVI 80/1100-SV	8000	1100	500-2100	2220	200	80	1200	195	225	1480			
S 11 - ZVI 120-SV	12000	600	500-2100	2220	200	80	1200	195	225	1480			

* For vehicles of ISO class 3

- Lost load center, center of gravity and weight from front edge of side brackets.

- Detail drawings of fork carriage, roller studs and chain anchors or the fork carriage have to be provided by the customer.

- Price includes side brackets.

- Surcharge for chamfer on fork inner edge 25 x 45°, up to 1500 mm length, from 1600 mm length

- Fork positioners with ISO fork carriage plates for mounting the truck's forks on request.

- No sideshifting when forks are in their end positions! Also see page 9

- Inner opening range = 0, on request.

- Ex-protection version on request.



Standard values for residual load capacity of lift trucks**

Fork Positioners Integral	S 11 -	ZVI 20-SV	ZVI 20-SV	ZVI 25-SV	ZVI 30-SV	ZVI 30-SV	ZVI 40-SV	ZVI 40-SV	ZVI 45-SV	ZVI 48/50-SV	ZVI 60-SV	ZVI 70-SV	ZVI 80-SV	ZVI 100-SV	ZVI 120-SV
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000	10000	12000
X*	mm	350	450	450	450	500	500	500	500	560	560	650	650	750	800
LC (LSP) = 500 mm	kg	1300	1800	2220	2640	3150	3590	4040	4420						
LC (LSP) = 600 mm	kg	1170	1640	2030	2410	(2750)	3290	3670	4060	4560	5400	6310	7120	9220	11000
LC (LSP) = 700 mm	kg	1070	1510	1860	2220	(2360)	3030	(3150)	3740	4230	5000	5880	6640	8630	10350
LC (LSP) = 800 mm	kg	990	1400	1720	2050	(2060)	2810	(2750)	3480	3930	4660	5500	6210	8100	9750

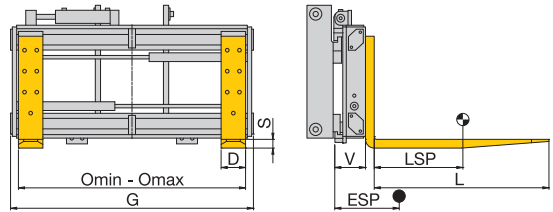
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

* 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 ZVI-Series, Integral (Heavy-Duty) with Separate Sideshift

2 hydraulic functions



Shaft-guided · Forks serially bolted on

Model	Load capacity	LC (LSP)	Omin-Omax	G	Side-shift	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm fork length	Surcharge per 100 mm add. opening range
	kg													
S 11 - ZVI 20-S	2000	500	400-1000	1090	± 100	120	40	1200	170	225	360			
S 11 - ZVI 25-S	2500	600	400-1100	1190	± 100	125	45	1200	175	235	400			
S 11 - ZVI 30-S	3000	500	400-1200	1300	± 100	140	50	1200	185	240	530			
S 11 - ZVI 40-S	4000	500	400-1300	1400	± 100	140	50	1200	190	235	560			
S 11 - ZVI 45-S	4500	600	400-1300	1400	± 100	150	60	1200	200	260	660			
S 11 - ZVI 48-S*	5000	600	400-1300	1400	± 100	150	60	1200	205	265	680			
S 11 - ZVI 50-S	5000	600	400-1400	1500	± 100	150	60	1200	225	240	850			
S 11 - ZVI 60-S	6000	600	400-1700	1800	± 150	150	65	1200	230	240	940			
S 11 - ZVI 70-S	7000	600	400-1900	2010	± 150	150	70	1200	245	245	1135			
S 11 - ZVI 80-S	8000	600	500-1900	2010	± 150	200	70	1200	250	275	1275			
S 11 - ZVI 80/900-S	8000	900	500-2100	2220	± 150	200	70	1200	260	250	1635			
S 11 - ZVI 100-S	10000	600	500-2100	2220	± 150	200	70	1200	260	250	1635			
S 11 - ZVI 80/1100-S	8000	1100	500-2100	2220	± 150	200	80	1200	265	260	1770			
S 11 - ZVI 120-S	12000	600	500-2100	2220	± 150	200	80	1200	265	260	1770			

* For vehicles of ISO class 3

- Lost load center, center of gravity and weight from front edge of side brackets.
- Detail drawings of fork carriage, roller studs and chain anchors or the fork carriage have to be provided by the customer.
- Price includes side brackets.

- Surcharge for chamfer on fork inner edge 25 x 45°, up to 1500 mm length, from 1600 mm length
- Fork positioners with ISO fork carriage plates for mounting the truck's forks on request.
- No sideshifting when forks are in their end positions! Also see page 9
- Inner opening range = 0, on request.
- Ex-protection version on request.



Standard values for residual load capacity of lift trucks**

Fork Positioners Integral	S 11 -	ZVI 20-S	ZVI 20-S	ZVI 25-S	ZVI 30-S	ZVI 30-S	ZVI 40-S	ZVI 40-S	ZVI 45-S	ZVI 48/50-S	ZVI 60-S	ZVI 70-S	ZVI 80-S	ZVI 100-S	ZVI 120-S
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000	10000	12000
X*	mm	350	450	450	450	500	500	500	500	560	560	650	650	750	800
LC (LSP) = 500 mm	kg	1200	1680	2080	2460	2940	3350	3790	4150						
LC (LSP) = 600 mm	kg	1090	1540	1900	2250	2710	3080	3480	3820	4200	5000	5850	6610	8600	10350
LC (LSP) = 700 mm	kg	1000	1420	1760	2080	(2360)	2850	(3150)	3540	3900	4650	5470	6180	8070	9730
LC (LSP) = 800 mm	kg	920	1320	1630	1930	(2060)	2650	(2750)	3300	3640	4350	5140	5810	7600	9180

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

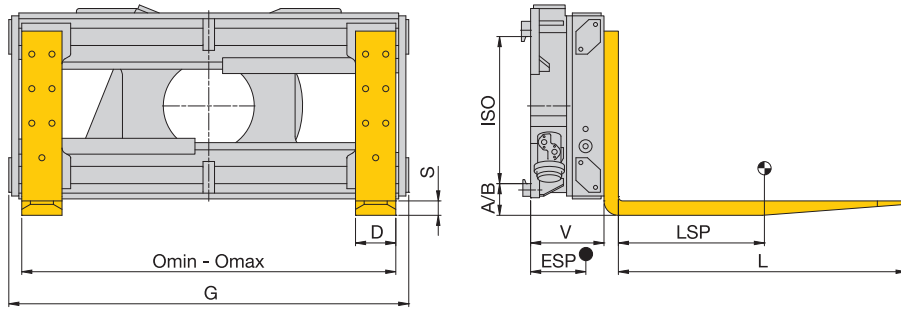
* Assumed dimensions

- 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 ().

S11

Fork Positioners ZV-Series, Rotatable

2 hydraulic functions



Shaft-guided · Forks serially bolted on · Rotation range 360°

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm fork length	Surcharge per 100 mm add. opening range	Surcharge for sep. Sideshift
S 11 - ZV 12-360°	1200	500	2	500-1000	1090	100	40	1200	230	215	465				
S 11 - ZV 20-360°	2000	500	2	500-1000	1090	120	40	1200	240	230	495				
S 11 - ZV 22-360°	2200	500	2	500-1000	1090	125	45	1200	245	245	525				
S 11 - ZV 25-360°	2500	500	3	500-1100	1190	125	45	1200	250	245	560				
S 11 - ZV 30-360°	3000	500	3	500-1200	1300	140	50	1200	255	260	675				
S 11 - ZV 40-360°	4000	500	3	500-1300	1400	140	50	1200	265	245	755				
S 11 - ZV 45-360°	4500	600	3	500-1300	1400	150	60	1200	280	275	845				
S 11 - ZV 50-360°	5000	600	4	500-1400	1500	150	60	1200	290	245	1090				
S 11 - ZV 60-360°	6000	600	4	500-1700	1800	150	65	1200	295	255	1220				

- Surcharge for solenoid valve, incl. hydraulics safety bar
- Fork positioner with higher load capacity on request.

- Surcharge for foundry version on request..
- Surcharge for integral design, see accessories, page 209
- Ex-protection version on request.



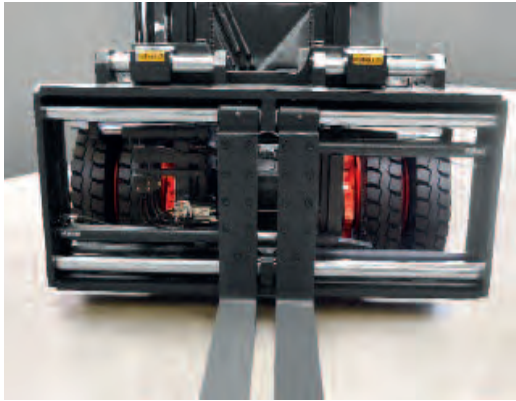
Standard values for residual load capacity of lift trucks**

Fork Positioners rotatable	S 11 -	ZV 12 -360°	ZV 20 -360°	ZV 20 -360°	ZV 25 -360°	ZV 30 -360°	ZV 30 -360°	ZV 40 -360°	ZV 45 -360°	ZV 45/50 -360°	ZV 50 -360°	ZV 60 -360°
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000
X*	mm	350	450	450	450	500	500	500	500	560	560	650
LC (LSP) = 500 mm	kg	1010	1420	1820	2160	2520	2920	3270	3600			
LC (LSP) = 600 mm	kg	930	1310	1680	2000	2340	2700	3030	3350	3560	4370	5200
LC (LSP) = 700 mm	kg	850	1220	1560	1850	2180	(2360)	2820	3120	3330	4090	4890
LC (LSP) = 800 mm	kg	790	1140	(1380)	1730	2040	(2060)	2640	2920	3130	3840	4600

** 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