

S12

FORK CLAMPS

Fork clamps allow forks to be adjusted beyond the width of the attachment. Due to their robust construction and appropriate cylinders with check valves, a powerful clamping force can be generated and maintained between the forks. Special slip-on arms enable palletless handling of different goods and versatile load handling, for example block and brick clamp arms for construction material or drum clamp arms for drum handling. By installing an adjustable pressure relief valve the clamping pressure can be changed. Fork clamps can be combined with separate sideshift or a sideshift valve.

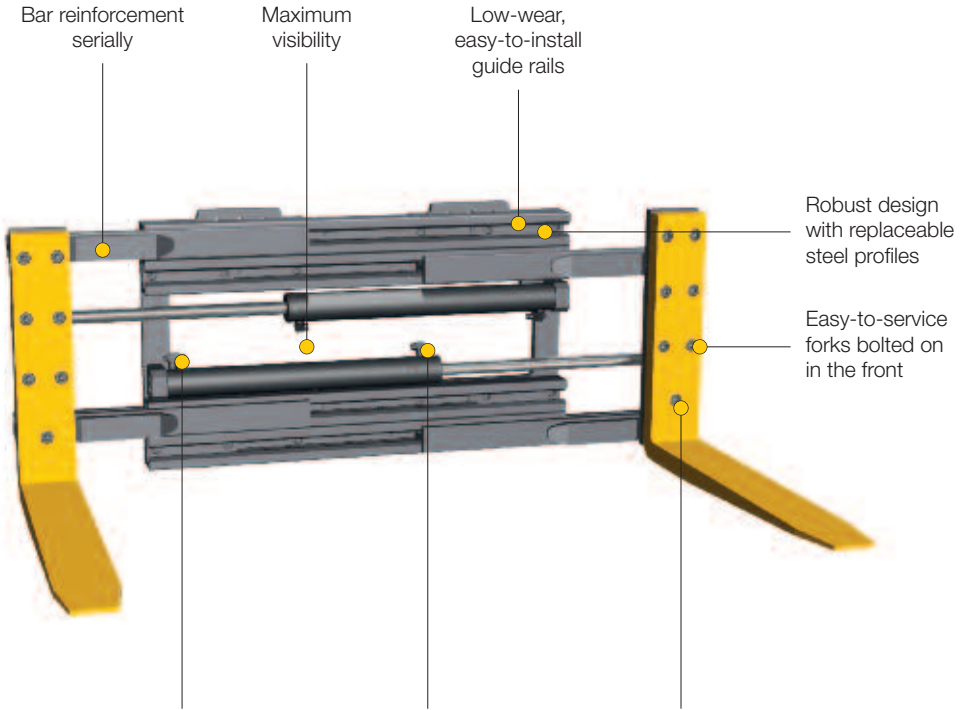
With rotatable fork clamps different types of bins can be handled and emptied sideward.



S12

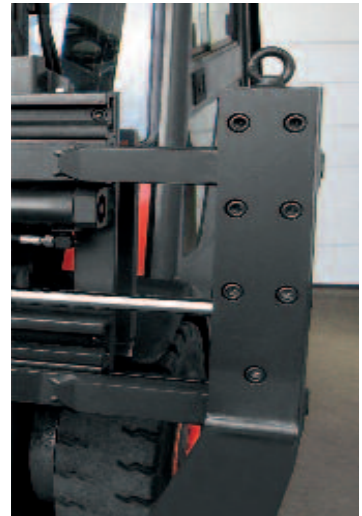
Fork Clamps

Model S 12 - KG



Bumpers for the hydraulic connection of cylinders optionally available

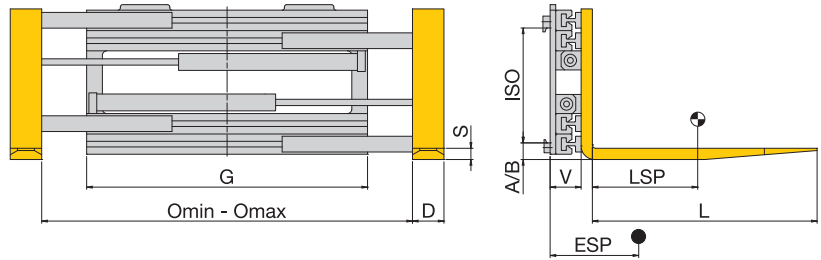
Bolt-on forks optionally available



Fork Clamps

1 hydraulic function

In order to keep maintenance costs low, we recommend using bolt-on forks.



Forks serially welded on

Model	Load capacity		LC (LSP)	ISO	Omin-Omax ITI	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range
	Clamping function	Fork function													
	kg	kg	mm		mm	mm	mm	mm	mm	mm	mm	kg	€	€	€
S 12 - KG 15	1500	1800	500	2	300-1360	950	120	40	1000	130	175	350	5,725.-	65.-	200.-
S 12 - KG 22	2200	2500	500	2	300-1460	1050	125	45	1000	130	175	380	6,460.-	70.-	245.-
S 12 - KG 28	2800	3300	500	3	280-1550	1150	140	50	1000	140	170	520	7,645.-	80.-	295.-
S 12 - KG 35	3500	4000	500	3	280-1650	1250	140	50	1000	140	170	535	8,540.-	80.-	340.-
S 12 - KG 45	4500	5000	500	3	260-1700	1350	150	60	1000	155	180	670	9,230.-	100.-	380.-
S 12 - KG 48	4500	5000	600	3	260-1700	1350	150	60	1000	155	175	690	9,610.-	100.-	380.-
S 12 - KG 50	5000	6000	600	4	260-1800	1450	150	65	1000	155	180	760	10,660.-	120.-	400.-
S 12 - KG 60	6000	7000	600	4	260-1950	1600	150	70	1000	175	175	970	12,360.-	130.-	495.-
S 12 - KG 70	7000	8000	600	4	260-2100	1750	200	70	1000	175	180	1190	14,470.-	170.-	525.-
S 12 - KG 80	7200	10000	600	4	260-2100	2000	200	80	1000	175	185	1320	20,435.-	190.-	590.-

- Surcharge for ISO 2 bolt-on forks € 550.-
- Surcharge for ISO 3 bolt-on forks € 675.-
- Surcharge for ISO 4 bolt-on forks € 830.-
- Surcharge for adjustable pressure relief valve € 320.-
- Surcharge for pressure gauge € 120.-
- Fork lengths from 1,600 mm on request.
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 2 € 410.-
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 3 € 485.-
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 4 € 620.-
- Surcharge for integral design, see page 195.
- For harbor clamp see page 117.

Standard values for residual load capacity of lift trucks**

Fork Clamps	S 12 -	KG 15	KG 22	KG 22	KG 28	KG 35	KG 35	KG 45	KG 45	KG 48/50	KG 50	KG 60	KG 60	KG 70	KG 70
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	6000	7000	7000	8000
X*	mm	350	450	450	450	500	500	500	500	560	560	560	650	650	650
LC (LSP) = 500 mm	kg	1180	1620	2070	2410	2880	3320	3600	4090						
LC (LSP) = 600 mm	kg	1070	1480	1900	2210	2650	3050	3310	3770	4150	5030	4840	5830	5700	6580
LC (LSP) = 700 mm	kg	980	1370	(1730)	2040	2450	(2750)	3070	3490	3860	4680	4510	5450	5330	6190
LC (LSP) = 800 mm	kg	900	1270	(1510)	1890	2280	(2400)	2860	(3100)	3610	(4130)	4210	(4950)	5000	5770

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

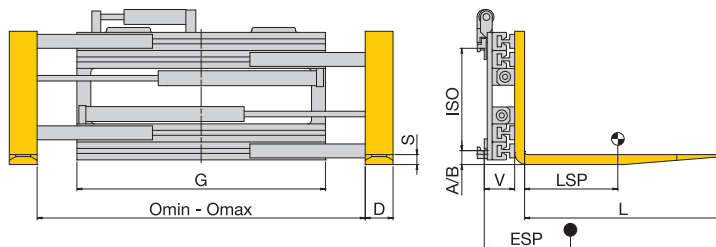
* Assumed dimensions

- 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 Clamps with Separate Sideshift

2 hydraulic functions

In order to keep maintenance costs low, we recommend using bolt-on forks.



Forks serially welded on

Model	Load capacity		LC (LSP)	ISO	Omin-Omax ITI	G	Side-shift	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range
	Clamp. function	Fork function														
S 12 - KG 15-S	1500	1800	500	2	300-1360	950	± 100	120	40	1000	145	175	385	6,870.-	65.-	200.-
S 12 - KG 22-S	2200	2500	500	2	300-1460	1050	± 100	125	45	1000	145	175	415	7,710.-	70.-	245.-
S 12 - KG 28-S	2800	3300	500	3	280-1550	1150	± 100	140	50	1000	155	175	560	8,950.-	80.-	295.-
S 12 - KG 35-S	3500	4000	500	3	280-1650	1250	± 100	140	50	1000	155	170	575	10,420.-	80.-	340.-
S 12 - KG 45-S	4500	5000	500	3	260-1700	1350	± 100	150	60	1000	170	185	710	11,175.-	100.-	380.-
S 12 - KG 48-S	4500	5000	600	3	260-1700	1350	± 100	150	60	1000	170	180	730	11,615.-	100.-	380.-
S 12 - KG 50-S	5000	6000	600	4	260-1800	1450	± 100	150	65	1000	170	180	825	12,855.-	120.-	400.-
S 12 - KG 60-S	6000	7000	600	4	260-1950	1600	± 150	150	70	1000	195	180	1050	14,640.-	130.-	495.-
S 12 - KG 70-S	7000	8000	600	4	260-2100	1750	± 150	200	70	1000	195	185	1270	16,920.-	170.-	525.-
S 12 - KG 80-S	7200	10000	600	4	260-2100	2000	± 150	200	80	1000	195	195	1400	22,880.-	190.-	590.-

- Surcharge for ISO 2 bolt-on forks **€ 550.-**
- Surcharge for ISO 3 bolt-on forks **€ 675.-**
- Surcharge for ISO 4 bolt-on forks **€ 830.-**
- Surcharge for adjustable pressure relief valve **€ 320.-**
- Surcharge for pressure gauge **€ 120.-**
- Fork lengths from 1,600 mm on request.
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 2 **€ 410.-**
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 3 **€ 485.-**
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 4 **€ 620.-**
- Surcharge for integral design, see page 195.
- For harbor clamp see page 117.

Standard values for residual load capacity of lift trucks**

Fork Clamps	S 12 -	KG 15-S	KG 22-S	KG 22-S	KG 28-S	KG 35-S	KG 35-S	KG 45-S	KG 45-S	KG 48/50-S	KG 50-S	KG 60-S	KG 60-S	KG 70-S	KG 70-S
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	6000	7000	7000	8000
X*	mm	350	450	450	450	500	500	500	500	560	560	560	650	650	650
LC (LSP) = 500 mm	kg	1140	1580	2020	2350	2810	3250	3530	4010						
LC (LSP) = 600 mm	kg	1040	1450	1850	2150	2600	3000	3250	3700	4070	4930	4720	5700	5580	6440
LC (LSP) = 700 mm	kg	950	1340	1700	1990	2400	2770	3020	3430	3780	4600	4400	5340	5220	6030
LC (LSP) = 800 mm	kg	880	1240	(1510)	1850	2230	(2410)	2810	(3100)	3540	(4130)	4120	(4950)	4900	5660

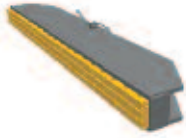
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

* Assumed dimensions

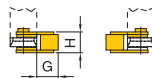
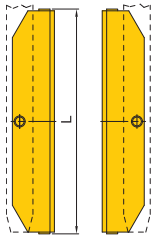
- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ().

Slip-on Arms for Fork Clamps

Block and brick clamp arms
STKA-series



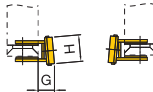
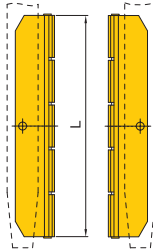
continuous perforated
PU strip



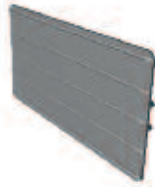
Block and brick clamp arms
STKA-U-series



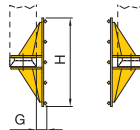
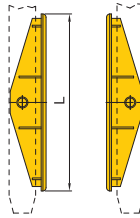
divided full
PU strip



Bale clamp arms



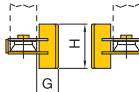
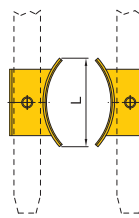
continuous profile
bars



Drum clamp arms
for 200 l tight
head steel drums



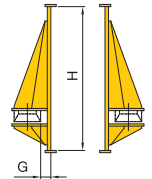
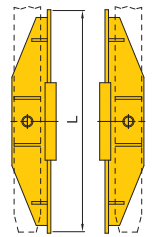
rubber-coated
contact pads



Box clamp arms



rubber-coated
contact pads



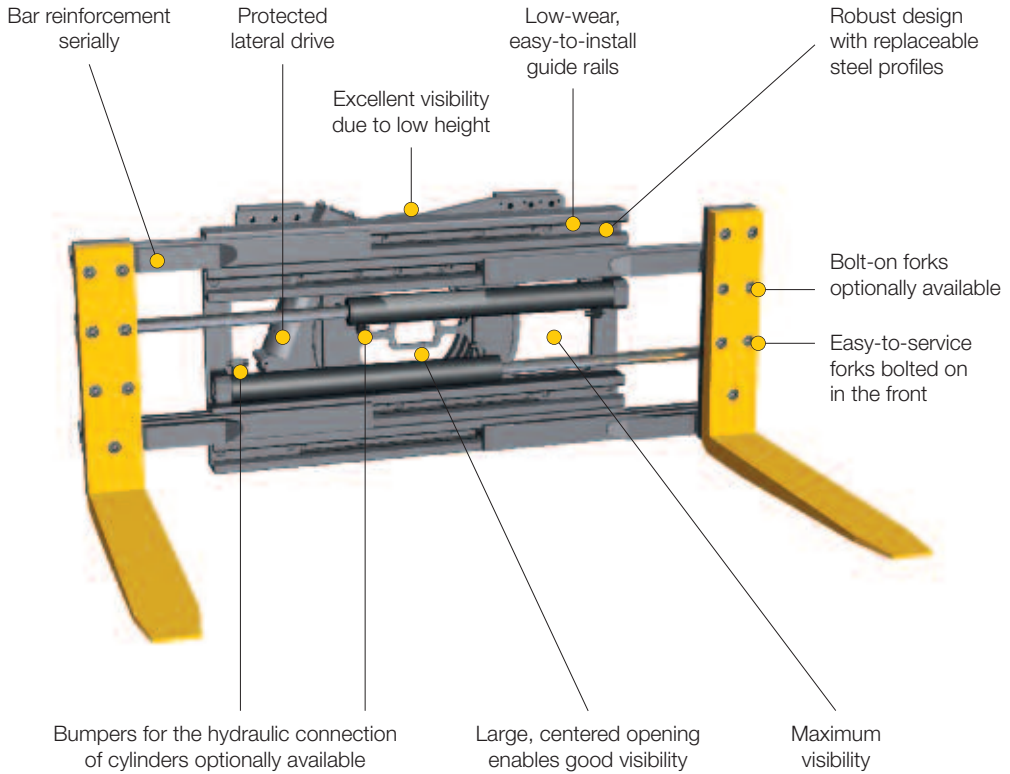
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Model	Load capacity	L	H	G	Weight per pair	Price per pair	Surcharge per 100 mm add. height or length
	kg	mm	mm	mm	kg	€	€
S 12 - STKA 20	2000	1000	94	95	100	1,545.-	160.-
S 12 - STKA 20-U	2000	1000	120	75	100	2,050.-	160.-
S 12 - BKA 20	2000	800	400	40	120	1,285.-	95.-
S 12 - FKA 20	2000	400	200	100	40	1,075.-	-
S 12 - GBA 20	2000	1240	900	35	190	2,605.-	-

- Tilting clamp arms and special designs on request.

Rotatable Fork Clamps

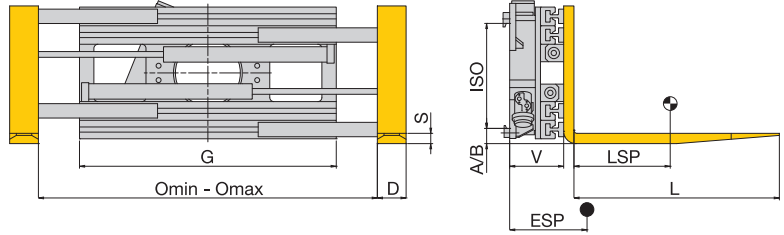
Model S 12 - KG-360°



Rotatable Fork Clamps

2 hydraulic functions

In order to keep maintenance costs low, we recommend using bolt-on forks.



Forks serially welded on · Rotation range 360°

Model	Load capacity clamping function	LC (LSP)	ISO	Omin-Omax ITI	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range	Surcharge for sep. side-shift
S 12 - KG 15-360°	1500	500	2	300-1360	950	120	40	1000	250	200	575	13,295.-	65.-	200.-	1,860.-
S 12 - KG 22-360°	2200	500	2	300-1460	1050	125	45	1000	250	210	615	14,870.-	70.-	245.-	1,860.-
S 12 - KG 28-360°	2800	500	3	280-1550	1150	140	50	1000	265	220	790	16,770.-	80.-	295.-	2,195.-
S 12 - KG 35-360°	3500	500	3	280-1650	1250	140	50	1000	275	220	850	19,050.-	80.-	340.-	2,195.-
S 12 - KG 40-360°	4000	600	3	260-1700	1350	150	60	1000	290	240	985	19,995.-	100.-	370.-	2,260.-
S 12 - KG 45-360°	4500	600	4	260-1700	1350	150	60	1000	295	215	1210	23,080.-	100.-	380.-	2,660.-
S 12 - KG 50-360°	5000	600	4	260-1800	1450	150	65	1000	295	220	1285	27,785.-	120.-	400.-	2,660.-
S 12 - KG 60-360°	6000	600	4	260-1950	1600	150	70	1000	315	245	1515	32,405.-	130.-	495.-	2,995.-
S 12 - KG 70-360°	7000	600	4	260-2100	1750	200	70	1000	335	255	1840	On request			
S 12 - KG 80-360°	7200	600	4	260-2100	2000	200	80	1000	335	260	1975	On request			

- Surcharge for ISO 2 bolt-on forks € 550.-
- Surcharge for ISO 3 bolt-on forks € 675.-
- Surcharge for ISO 4 bolt-on forks € 830.-
- Surcharge for adjustable pressure relief valve € 320.-
- Surcharge for pressure gauge € 120.-
- Surcharge for solenoid valve with separate sideshift (utilization of only rotation/sideshift admissible) € 920.-
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 2 € 410.-
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 3 € 485.-
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 4 € 620.-
- Surcharge for integral design, see page 195.
- Fork lengths from 1,600 mm on request.

Standard values for residual load capacity of lift trucks**

Fork Clamps rotatable	S 12 -	KG 15 -360°	KG 15 -360°	KG 22 -360°	KG 28 -360°	KG 28 -360°	KG 35 -360°	KG 35 -360°	KG 40 -360°	KG 45 -360°	KG 50 -360°	KG 60 -360°	KG 70 -360°
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500	5000	6000	7000	8000
X*	mm	350	450	450	450	500	500	500	500	560	560	650	650
LC (LSP) = 500 mm	kg	940	1360	1730	2000	2440	2780	3180	3470				
LC (LSP) = 600 mm	kg	860	1260	1600	1850	2260	2580	2940	3220	3520	4260	4980	5520
LC (LSP) = 700 mm	kg	800	1170	1480	1720	2110	2400	2740	3000	3300	3990	4680	5200
LC (LSP) = 800 mm	kg	740	(1030)	1390	1610	(1930)	2250	(2410)	2810	3100	3750	4410	4900

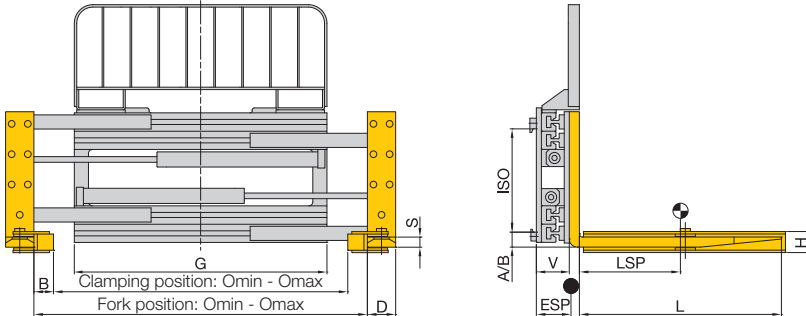
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

* 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 ().

Block and Brick Clamps

1 - 2 hydraulic functions



Forks serially bolted on · L = 1000 mm · Incl. block and brick clamp arms STKA · Incl. load backrest (1200 mm high)

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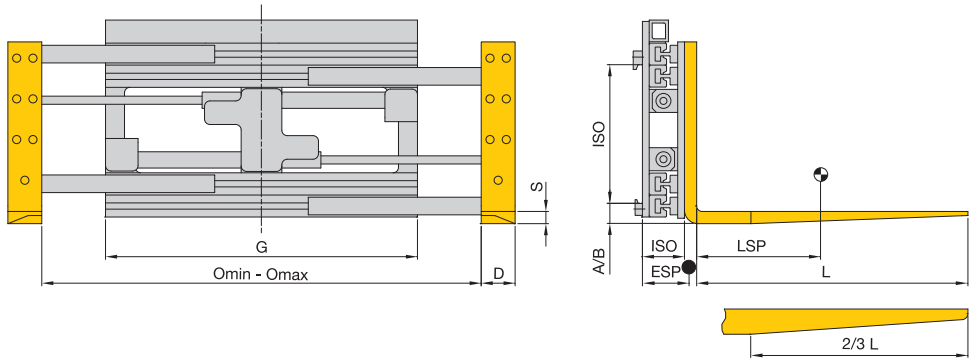
Model	Load capacity		LC (LSP)	ISO	Omin-Omax ITI		G	Side-shift	D	S	B	H	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork/arm length
	Clamping function	Fork function			Clamp arms	Forks											
	kg	kg															
S 12 - BKG 22	2200	2500	500	2	110-1270	300-1460	1050		125	45	95	94	155	275	535	9,065.-	230.-
S 12 - BKG 22-S	2200	2500	500	2	110-1270	300-1460	1050	± 100	125	45	95	94	170	275	565	10,315.-	230.-
S 12 - BKG 28	2800	3300	500	3	90-1360	280-1550	1150		140	50	95	94	165	255	685	10,490.-	240.-
S 12 - BKG 28-S	2800	3300	500	3	90-1360	280-1550	1150	± 100	140	50	95	94	180	255	725	11,795.-	240.-
S 12 - BKG 35	3500	4000	500	3	90-1460	280-1650	1250		140	50	95	94	165	255	705	11,385.-	240.-
S 12 - BKG 35-S	3500	4000	500	3	90-1460	280-1650	1250	± 100	140	50	95	94	180	250	745	13,265.-	240.-

- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 2 € 410.-
- Surcharge for bumpers in front of the connections of the adjusting cylinders for ISO 3 € 485.-
- Surcharge for adjustable pressure relief valve incl. pressure gauge € 440.-



Harbor Clamps with Sideshift Valve

2 hydraulic functions



Forks serially bolted on · Incl. bumpers in front of the hydraulic connections

Model	Load capacity		LC (LSP)	ISO	Omin-Omax ITI	G	D	S	L	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length
	Clamping function	Fork function												
S 12 - HKG 25-SV	1600	2500	500	2	320-1620	1150	125	45	1200	155	170	425	8,215.-	70.-
S 12 - HKG 30-SV	1600	3000	500	3	320-1620	1150	125	45	1200	155	165	455	8,495.-	70.-

- Surcharge for adjustable pressure relief valve incl. pressure gauge € 440.-

- Version with separate sideshift on request.



Fork clamps in operation



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PIVOTING FORK CLAMPS

The blade of a pivoting fork clamp can be manually pivoted by 90°. In the 0° position, the attachment can be used as standard forks, in the 90° position closely stacked goods can be clamped. The 45° position generates prismatic handling and is used for careful handling of round goods. Clamping in the basic position (0°) is not permissible.

By combining the attachment with a rotator, it can also be used for emptying bins or turning bales.

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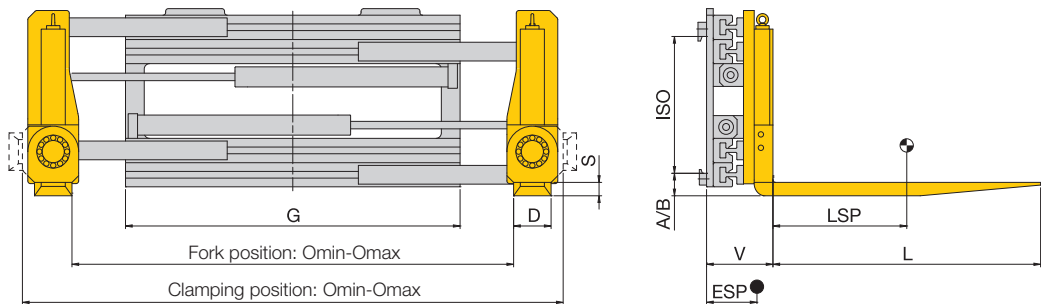
Pivoting Fork Clamps



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Pivoting Fork Clamps

1 hydraulic function



$$LC (LSP) = 500 \text{ mm} \cdot L = 1000 \text{ mm}$$

Model	Load capacity in		ISO	Omin-Omax		G	D	S	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range	Surcharge for sep. side-shift
	Normal position	Clamping position		Normal position	Clamping position										
	kg	kg		mm	mm										
S 13 - DGK 15	1500	1000	2	280-1440	620-1780	950	125	45	240	195	400	8,845.-	70.-	200.-	1,155.-
S 13 - DGK 22	2200	1700	2	280-1510	630-1860	1050	140	50	250	195	490	9,265.-	80.-	245.-	1,250.-
S 13 - DGK 28	2800	2200	3	280-1650	630-2000	1150	140	50	260	185	590	9,780.-	80.-	295.-	1,325.-

- Max. fork length 1500 mm

- Surcharge for adjustable pressure relief valve € 320.-

- Surcharge for pressure gauge € 120.-

- Hydraulically pivotable forks available on request.

Standard values for residual load capacity of lift trucks**

Pivoting Fork Clamps	S 13 -	DGK 15	DGK 22	DGK 22	DGK 28	DGK 28
Load capacity lift truck	kg	1500	2000	2500	3000	3500
X*	mm	350	450	450	450	500
LC (LSP) = 500 mm	kg	1060	1450	1870	2220	2670
LC (LSP) = 600 mm	kg	970	1340	1720	2040	2470
LC (LSP) = 700 mm	kg	890	1240	1600	1900	(2200)

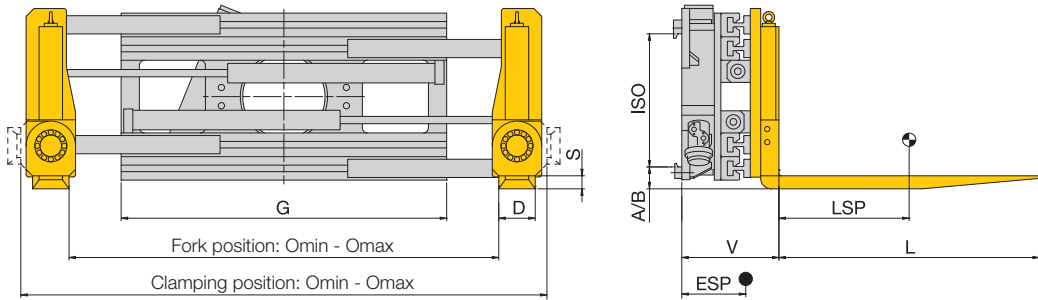
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

* 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 ().

Pivoting Fork Clamps, Rotatable

2 hydraulic functions



LC (LSP) = 500 mm · L = 1000 mm · Rotation range 360°

Model	Load capacity in		ISO	Omin-Omax		G	D	S	V	CoG (ESP)	Weight	Price	Surcharge per 100 mm add. fork length	Surcharge per 100 mm add. opening range	Surcharge for sep. sideshift
	Normal position	Clamping position		Normal position	Clamping position										
	kg	kg		mm	mm										
S 13 - DGK 15-360°	1500	1000	2	280-1440	620-1780	950	125	45	360	220	625	15,795.-	70.-	200.-	1,860.-
S 13 - DGK 22-360°	2200	1700	2	280-1510	630-1860	1050	140	50	370	230	725	16,500.-	80.-	245.-	1,860.-
S 13 - DGK 28-360°	2800	2200	3	280-1650	630-2000	1150	140	50	385	235	835	17,560.-	80.-	295.-	2,195.-

- Max. fork length 1500 mm
- Surcharge for adjustable pressure relief valve **€ 320.-**
- Surcharge for pressure gauge **€ 120.-**
- Surcharge for solenoid valve with separate sideshift (utilization of only rotation/sideshift admissible) **€ 920.-**

Standard values for residual load capacity of lift trucks**

Pivoting Fork Clamps, rotatable	S 13 -	DGK 15 - 360°	DGK 15 - 360°	DGK 22 - 360°	DGK 28 - 360°	DGK 28 - 360°
Load capacity lift truck	kg	1500	2000	2500	3000	3500
X*	mm	350	450	450	450	500
LC (LSP) = 500 mm	kg	840	1250	1560	1850	2280
LC (LSP) = 600 mm	kg	780	1160	1450	1720	2120
LC (LSP) = 700 mm	kg	720	1080	1350	1610	1980

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

* Assumed dimensions