

PULP BALE CLAMPS
RECYCLING CLAMPS
FOAM CLAMPS

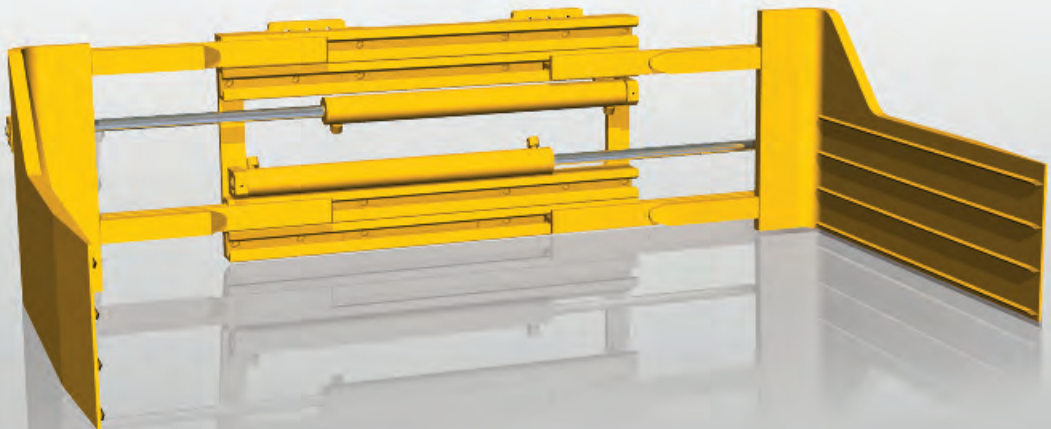
S15

Bale clamps enable handling of bales of pulp, paper and textiles.

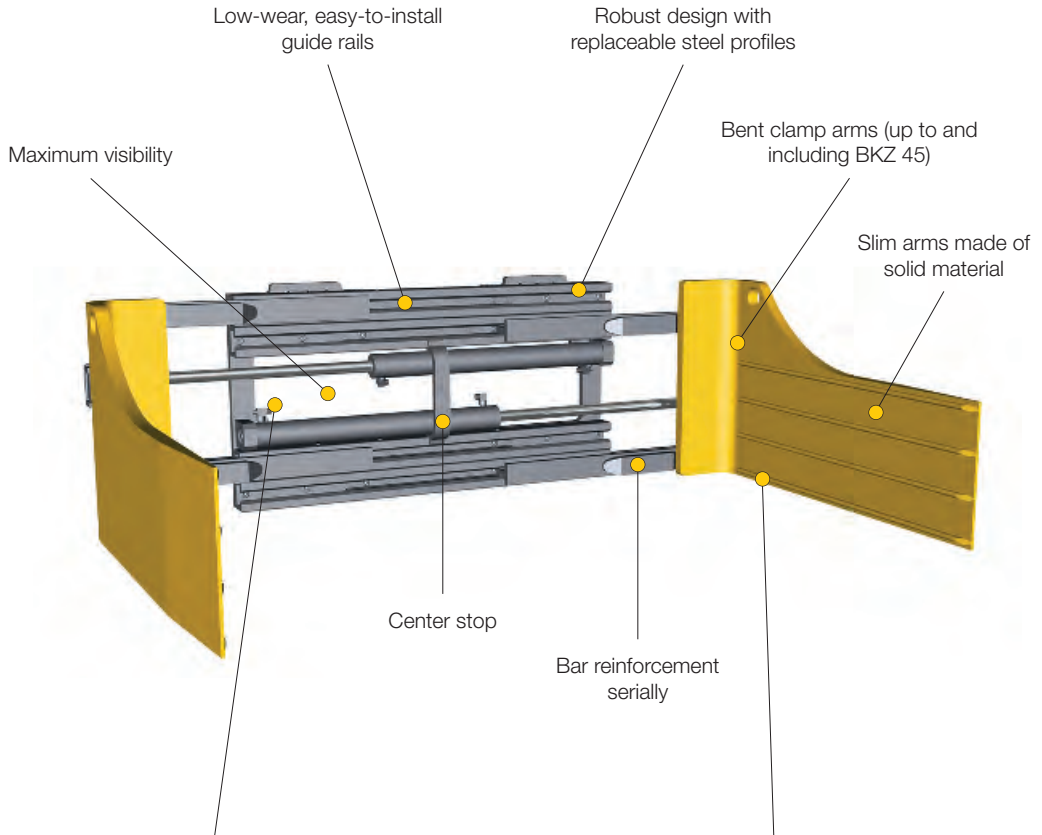
Pulp bale clamps have solid, slim arms to facilitate handling of extremely tightly stacked goods. For better grip, the contact surfaces are equipped with end-to-end bars. Combining attachments with a rotator allows the inversion of bales.

Recycling clamps have wide arms with ribbed contact surfaces. They are suited for handling goods that are flexible enough to be pressed into the spaces between the ribs.

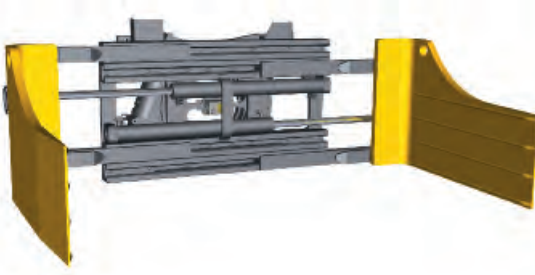
The arms of foam clamps are made of hoop-shaped tubular material for careful handling of foam bales. The opening range compared to bale clamps is wider.



Pulp Bale Clamps Model S 15 - BKZ



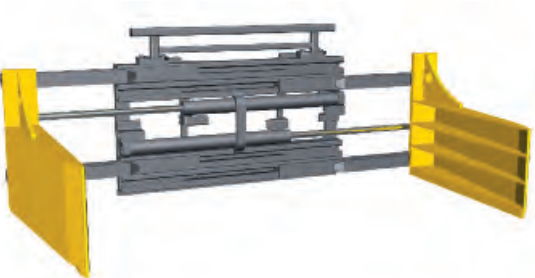
Pulp Bale Clamps, Rotatable



Model S 15 - BKZ ... 360°

- Rotation range of 360° continuously by means of a worm gear
- Protected lateral drive
- Center stop
- Excellent visibility due to low height
- Large centered opening enables good visibility

Recycling Clamps



Model S 15 - BKR

- Wide arms with ribbed contact surfaces
- Wear strips below clamp body and clamp arms serially
- Center stop
- Bumpers in front of the hydraulic connections of the cylinders serially

Foam Clamps

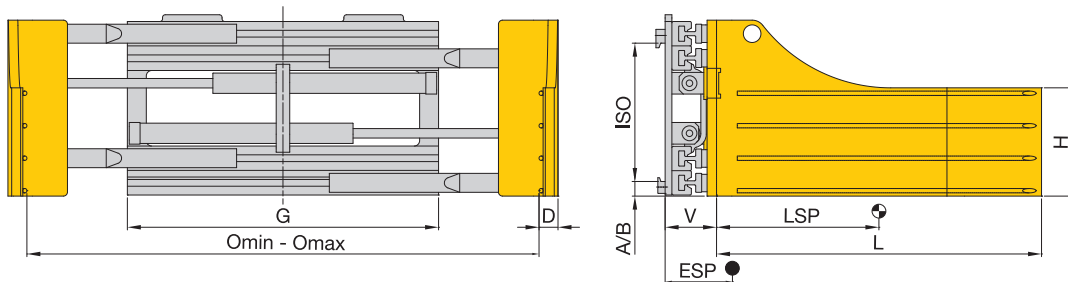


Model S 15 - BKS

- Clamping arms made of hoop-shaped tubular material
- Bolt-on arms
- Bar reinforcement serially
- Damage-free clamping

Pulp Bale Clamps with Sideshift Valve

2 hydraulic functions

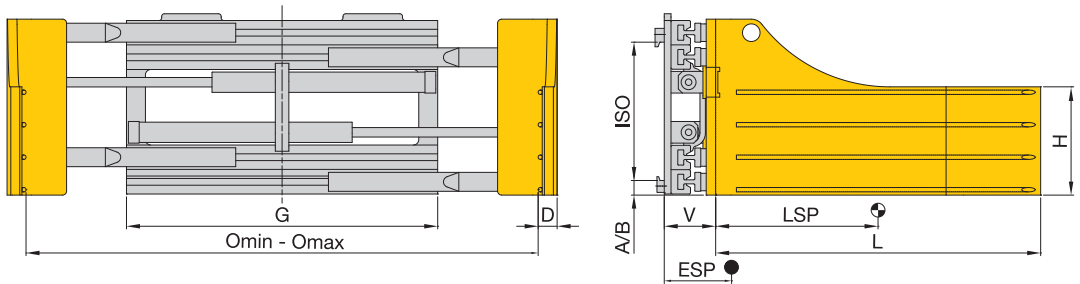


Incl. Center stop · Bent clamp arms up to BKZ 45-SV

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	L	H	D	V	CoG (ESP)	Weight
	kg	mm		mm	mm	mm	mm	mm	mm	mm	kg
S 15 - BKZ 15-SV	1500	500	2	500-1560	950	800	400	30	160	195	385
				560-1720	1050	800	400	30	160	190	395
				560-1790	1050	800	400	30	160	190	395
S 15 - BKZ 22-SV	2200	500	2	560-1830	1150	1000	400	46	185	255	610
				560-1890	1150	1000	400	46	185	255	615
				650-2020	1250	1000	400	46	185	250	625
S 15 - BKZ 28-SV	2800	500	3	560-1830	1150	1000	400	51	190	270	670
				560-1890	1150	1000	400	51	190	270	675
				650-2020	1250	1000	400	51	190	265	690
S 15 - BKZ 35-SV	3000	600	3	560-1900	1250	1200	400	51	200	300	815
				560-2000	1250	1200	400	51	200	300	820
				560-2100	1350	1200	400	51	200	295	830
S 15 - BKZ 40-SV	3900	600	3	560-2100	1350	1200	400	51	200	295	835
				650-2190	1450	1200	400	51	200	290	860
				650-2380	1450	1200	400	51	200	290	870
S 15 - BKZ 45-SV	4200	600	4	560-2000	1350	1200	400	56	205	315	885
				560-2100	1350	1200	400	56	205	315	890
				650-2190	1450	1200	400	56	205	310	920
S 15 - BKZ 45-SV	4200	600	4	650-2380	1450	1200	400	56	205	305	930
				560-2100	1350	1200	400	56	205	310	990
				560-2100	1350	1200	400	56	205	310	995
S 15 - BKZ 45-SV	4200	600	4	650-2190	1450	1200	400	56	205	305	1035
				650-2380	1450	1200	400	56	205	300	1045

Pulp Bale Clamps with Sideshift Valve

2 hydraulic functions



Incl. center stop

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	L	H	D	V	CoG (ESP)	Weight
S 15 - BKZ 50-SV	5000	600	4	650-2490	1600	1200	400	61	225	285	1335
				650-2650	1750	1200	400	61	225	265	1455
S 15 - BKZ 70-SV	5700	700	4	650-2650	1750	1400	500	66	225	355	1665
				650-2900	2000	1400	500	66	225	340	1745
S 15 - BKZ 80-SV	6500	800	4	670-2800	2000	1600	600	70	260	370	2290
				670-3000	2200	1600	600	70	260	360	2370
S 15 - BKZ 100-SV	8000	800	4	700-3100	2400	1600	600	80	265	365	2550

- Surcharge for wear strips below clamp body and clamp arms
- Surcharge for bumpers in front of the connections of the adjusting cylinders
- Surcharge for adjustable pressure relief valve
- Surcharge for pressure gauge
- Surcharge for load backrest
- Version with one oscillating arm on request.
- Further opening ranges and higher load capacities on request.
- Available without sideshift.
- The opening range between the clamp arms is measured on the frame.
Due to a prestress (1°) the opening range between the tips is correspondingly smaller.

Standard values for residual load capacity of lift trucks**

Pulp Bale Clamps

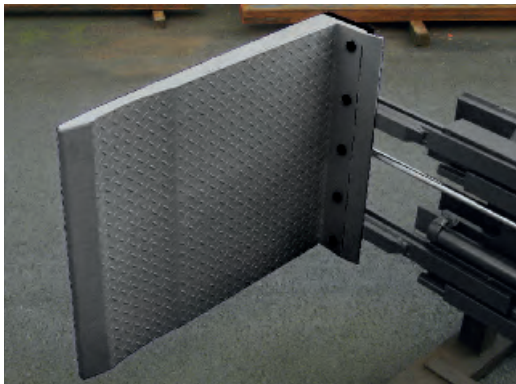
Pulp Bale Clamps with Sideshift Valve	S 15 -	BKZ 15-SV	BKZ 15-SV	BKZ 22-SV	BKZ 22-SV	BKZ 28-SV	BKZ 28-SV	BKZ 35-SV	BKZ 35-SV	BKZ 40-SV	BKZ 40-SV	BKZ 45-SV	BKZ 50-SV	BKZ 70-SV
Load capacity lift truck	kg	1500	2000	2000	2500	3000	3500	4000	4500	4500	5000/500	5000	6000	7000
X*	mm	350	450	450	450	450	500	500	500	500	500	560	560	650
LC (LSP) = 500 mm	kg	1150	1635	1440	1875	2255	2735	3035	3470	3400	3895	4300	4980	6030
LC (LSP) = 600 mm	kg	1045	(1380)	1320	1715	2065	2515	2795	3195	3130	3585	3970	4600	5600
LC (LSP) = 800 mm	kg	880	(1030)	1130	1470	1770	(1925)	2410	(2475)	2700	3090	3445	4000	4900

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

* Assumed dimensions

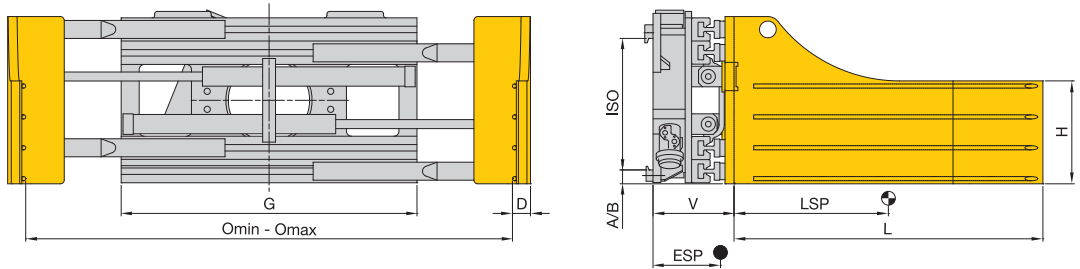
- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ().

Special Products



Pulp Bale Clamps, Rotatable

2 hydraulic functions



Incl. center stop · Bent clamp arms · Rotation range 360°

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	L	H	D	V	CoG (ESP)	Weight
	kg	mm		mm	mm	mm	mm	mm	mm	mm	kg
S 15 - BKZ 15-360°	1500	500	2	560-1720	1050	800	400	30	280	215	635
S 15 - BKZ 22-360°	2200	500	2	560-1890	1150	1000	400	46	290	280	790
S 15 - BKZ 28-360°	2800	500	3	560-1890	1150	1000	400	51	315	295	930
S 15 - BKZ 35-360°	3000	600	3	560-2100	1350	1200	400	51	335	325	1150

- Surcharge for wear strips under clamp body and arms
- Surcharge for bumpers in front of the connections of the adjusting cylinders
- Surcharge for adjustable pressure relief valve
- Surcharge for pressure gauge
- Surcharge for solenoid valve with separate sideshift (utilization of only rotation/sideshift admissible)
- Further opening ranges on request.
- Higher load capacities on request.
- The opening range between the clamp arms is measured on the frame.
Due to a prestress (1°) the opening range between the tips is correspondingly smaller.

Standard values for residual load capacity of lift trucks**

Pulp Bale Clamps, rotatable	S 15 -	BKZ 15-360°	BKZ 15-360°	BKZ 22-360°	BKZ 28-360°	BKZ 28-360°	BKZ 35-360°	BKZ 35-360°	BKZ 35-360°
Load capacity lift truck	kg	1500	2000	2500	3000	3500	4000	4500	5000/500
X*	mm	350	450	450	450	500	500	500	500
LC (LSP) = 500 mm	kg	900	1330	1590	1860	2300	2500	2890	3330
LC (LSP) = 600 mm	kg	820	1230	1470	1720	2130	2315	2680	3090
LC (LSP) = 800 mm	kg	710	(1030)	1275	1495	1860	2025	2340	(2480)

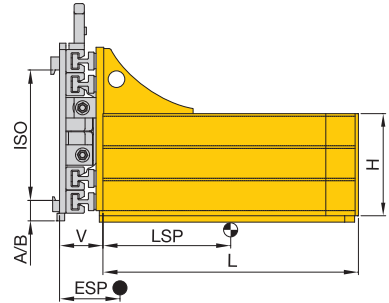
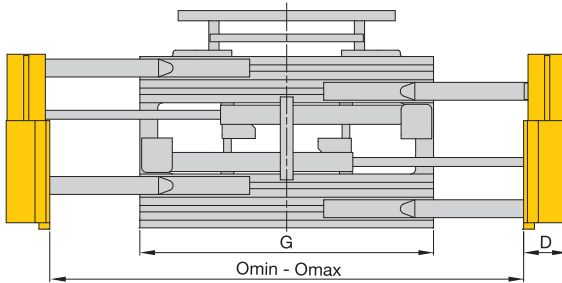
** The load capacity applies to lifting heights up to 3300 mm; specifications for greater lifting heights on request.

* 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 ().

Recycling Clamps with Sideshift Valve

2 hydraulic functions



Wear-strips serially below the clamp body and clamp arms as well as a center stop and bumpers in front of the hydraulic connections

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	L	H	D	V	CoG (ESP)	Weight
	kg	mm									
S 15 - BKR 15-SV	1500	500	2	500-1700	950	1000	400	130	160	180	445
				520-1920	1050	1000	400	130	160	175	465
				560-1960	1050	1000	400	130	160	175	470
S 15 - BKR 22-SV	2200	500	2	520-1890	1150	1000	400	130	175	165	560
				500-1940	1150	1000	400	130	175	165	560
				500-2040	1250	1000	400	130	175	160	575
S 15 - BKR 28-SV	2800	500	3	520-1890	1150	1000	400	150	175	175	585
				500-1940	1150	1000	400	150	175	175	585
				500-2040	1250	1000	400	150	175	170	595
S 15 - BKR 35-SV	3000	600	3	500-2040	1250	1200	400	150	185	195	730
				500-2130	1350	1200	400	150	185	190	745
				500-2230	1450	1200	400	150	185	185	760
S 15 - BKR 40-SV	3900	600	3	500-2130	1350	1200	400	150	195	190	755
				500-2230	1450	1200	400	150	195	185	775
S 15 - BKR 45-SV	4200	600	4	500-2130	1350	1200	500	150	195	200	835
				500-2230	1450	1200	500	150	195	195	860

- Surcharge for adjustable pressure relief valve
- Surcharge for pressure gauge
- Further opening ranges on request.
- Available without sideshift.

- The opening range between the clamp arms is measured on the frame. Due to a prestress (1°) the opening range between the tips is correspondingly smaller.

Standard values for residual load capacity of lift trucks**

Recycling Clamp

Recycling Clamps with Sideshift Valve	S 15 -	BKR 15-SV	BKR 15-SV	BKR 22-SV	BKR 22-SV	BKR 28-SV	BKR 28-SV	BKR 35-SV	BKR 40-SV	BKR 40-SV	BKR 40-SV	BKR 45-SV
Load capacity lift truck	kg	1500	2000	2000	2500	3000	3500	3500	4000	4500	5000/500	5000
X*	mm	350	450	450	450	450	500	500	500	500	500	560
LC (LSP) = 500 mm	kg	1130	1610	1530	1970	2390	2880	2755	3160	3600	4100	4520
LC (LSP) = 600 mm	kg	1025	(1380)	1400	1800	2190	(2570)	2530	2910	3310	3370	4170
LC (LSP) = 700 mm	kg	935	(1180)	1290	1660	2020	(2200)	2340	2690	3060	3485	3875

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

* Assumed dimensions

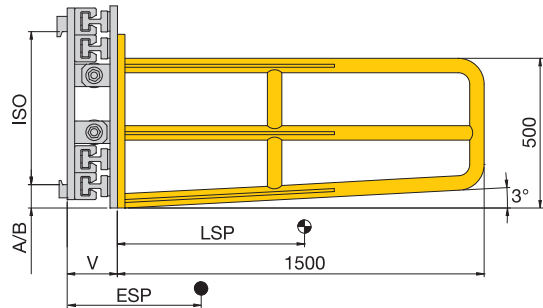
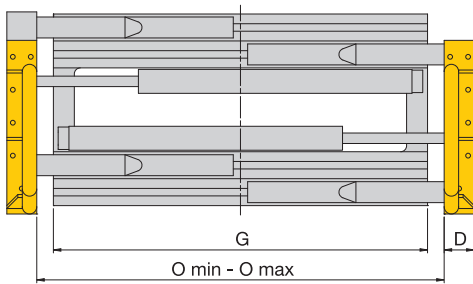
- For greater load centers, where the lift truck has a higher residual load capacity than the attachment, those values, upon the exceedance of which the attachment would be overloaded, are indicated in brackets ().

Bale Clamps in Use



Foam Clamps

1 hydraulic function



Clamp arms serially bolted on

Model	Load capacity	LC (LSP)	ISO	Omin-Omax	G	D	V	CoG (ESP)	Weight
	kg	mm		mm	mm	mm	mm	mm	kg
S 15 - BKS 10	600	800	2	540-1600	950	100	155	225	385
				800-2200	1150	100	155	205	440
S 15 - BKS 15	950	800	2	760-2260	1150	100	155	205	445
				730-2430	1350	100	155	185	510

- Surcharge for sideshift valve S 15 - BKS ... SV
- Surcharge for adjustable pressure relief valve
- Surcharge for pressure gauge
- Further opening ranges on request.
- Version with separate sideshift on request.
- Rotatable version on request.

- For details on sideshift valve
- The opening range between the clamp arms is measured on the frame. Due to a prestress (1°) the opening range between the tips is correspondingly smaller.

Standard values for residual load capacity of lift trucks**

Foam Clamps	S 15 -	BKS 10	BKS 10	BKS 15	BKS 15
Load capacity lift truck	kg	1000	1200	1500	2000
X*	mm	300	350	350	450
LC (LSP) = 600 mm	kg	620	800	1020	(1395)
LC (LSP) = 800 mm	kg	520	(660)	860	(950)
LC (LSP) = 1000 mm	kg	450	(530)	740	(835)

** 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 ().