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Double fork positioners

„Made in Germany“



Innovation award
State of Rheinland-Pfalz

compact design
gives excellent visibility

good visibility through the
load back rest which are
shaped to avoid
interference with the load

forks are equalised
with a flow divider

fork spacing maintained by gas
springs which are protected by
a special housing

interchangeable
bolt-on forks means fast
and simple replacement

forks forged and hardened
with additional wear zone
for maximum service life

hardchromed arm carrier
gives better bearing life

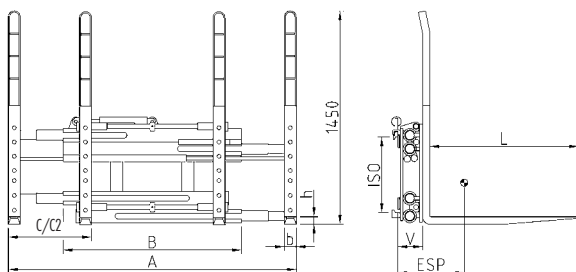
accurate arm guidance in frame

Double fork positioner for 1-2 pallets. Type DPK-C

Double fork positioner for 1-2 pallets

DPK-C

The double fork positioner DPK-C can, through hydraulic fork positioning, pick up one or two pallets. The distance between the pallets can be reduced to zero. The strong frame construction maximises service life and safe working. The compact design gives excellent visibility.



C = 560 mm

C2 = 660 mm

type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	b x h x l mm	ESP COG mm	V LLC mm	weight kg	sideshift mm
DPK 16 C	1600/600	1,5-1,8	II	1050	560-1790	80x40x1200	240	165	475	+/- 100
DPK 22 C	2200/600	2,0-2,5	II	1200	560-1940	80x40x1200	260	165	495	+/- 100
DPK 25 C	2500/600	2,5	II	1200	560-1940	80x50x1200	260	165	535	+/- 100
DPK 30 C	2600/600	3	III	1200	560-1940	80x50x1200	250	165	540	+/- 100
DPK 30 C2	2600/600	3	III	1200	660-2140	80x50x1200	250	165	565	+/- 100
DPK 35 C	3200/600	3,5-4	III	1200	560-1940	80x60x1200	230	185	635	+/- 100
DPK 35 C2	3200/600	3,5-4	III	1300	660-2140	80x60x1200	230	185	670	+/- 100
DPK 40 C	4000/600	5/500	III	1400	560-1940	80x60x1200	215	195	750	+/- 100
DPK 40 C2	4000/600	5/500	III	1400	660-2140	80x60x1200	210	195	780	+/- 100

- 2 hydraulic functions
- includes hoses and couplings

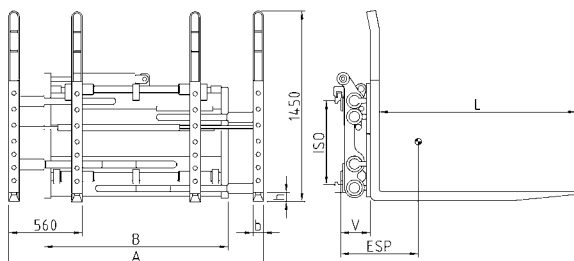
DPK 30 C



Double fork positioner for 2-4 pallets

DPK-C

The double fork positioner DPK-C can, through hydraulic fork positioning and extra fork length, pick up two or four pallets. The distance between the pallets can be reduced to zero. The strong frame construction maximises service life and safe working. The compact design gives excellent visibility. With the extended forks it is possible to load and unload vehicles from one side. Sideshift is fitted as standard.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	b x h x l mm	ESP COG mm	V LLC mm	weight kg	sideshift mm
DPK 45 C	2500/1200	4,5/600 5,0/500	III	1400	560-1940	80x70x2400	520	195	970	+/- 100
DPK 50 C	3000/1200	5,0/600	IV	1400	560-1940	80x70x2400	490	212	1130	+/- 100
DPK 60 C	3600/1200	6,0-7,0	IV	1580	560-1940	80x70x2400 100x60x2400	435	212	1320	+/- 150
DPK 80 C	4600/1200	8,0/600	IV	1580	560-1940	80x70x2400 100x60x2400	445	215	1380	+/- 150
DPK 100 C	5600/1200	10,0/600 8,0/900	IV	1800	700-1940	120x70x2400	540	220	1460	+/- 150

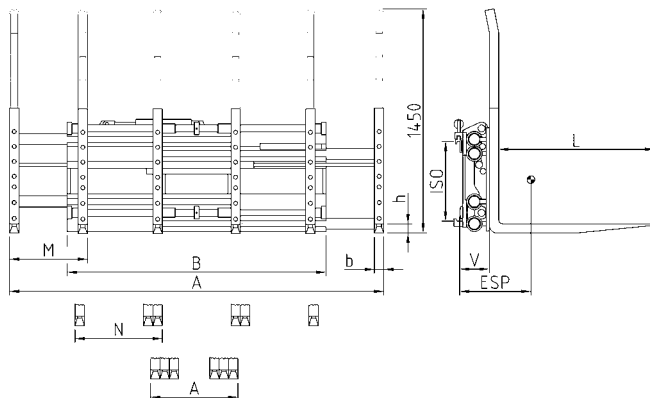
- 2 hydraulic functions
- includes hoses and couplings



Triple fork positioner for 1-2-3 pallets

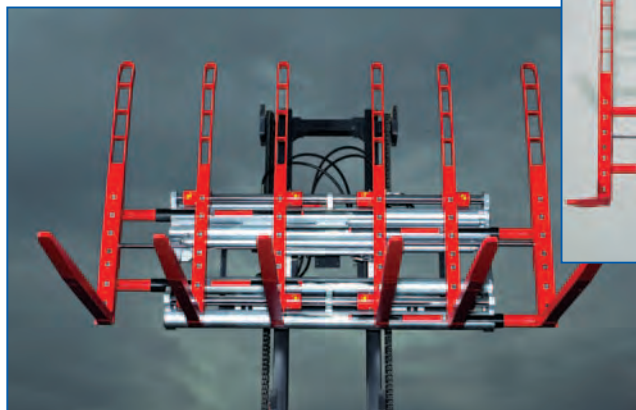
DRPK-C

The triple fork positioner **DRPK-C** can, through hydraulic fork positioning, pick up one, two or three pallets. The distance between the pallets can be reduced to zero. The strong frame construction maximises service life and safe working. Sideshift is fitted as standard.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	M/N mm	b x h x l mm	sideshift mm	ESP COG mm	V LLC mm	weight kg
DRPK 25 C	2500/600	2,5	II	1630	560-2285	500/560	60x50x1200	+/- 100	230	173	745
DRPK 30 C	3000/600	3,0-3,5	III	1465	560-2240	500/560	60x50x1200	+/- 100	235	173	730
DRPK 30 C	3000/600	3,0-3,5	III	1630	560-2285	500/560	60x50x1200	+/- 100	235	173	745
DRPK 30 C	3000/600	3,0-3,5	III	1795	560-2450	500/560	60x50x1200	+/- 100	233	173	770
DRPK 45 C	3800/600	4,0-5	III	1630	560-2285	500/560	60x60x1200	+/- 100	240	173	800
DRPK 45 C	3800/600	4,0-5	III	1795	560-2450	500/560	60x60x1200	+/- 100	237	173	825
DRPK 45 C	3800/600	4,0-5	III	2285	560-2940	500/560	60x60x1200	+/- 100	225	173	945
DRPK 50 C	4500/600	5,0/600	IV	1980	560-2760	510/570	60x70x1200	+/- 100	185	235	1220

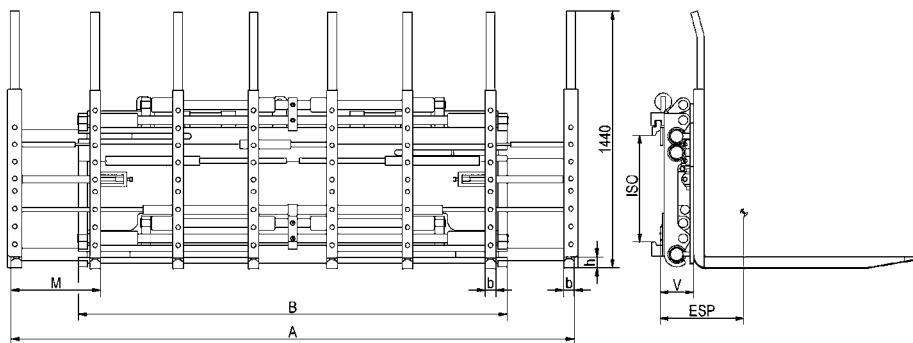
- 2 hydraulic functions
- includes hoses and couplings
- other sizes upon request
- outer fork pairs separately operated – upon request



Multiple fork positioner for 2-3-4 and 6-8 pallets

VPK-C
APK-C

The multiple fork positioner **VPK-C** can, through hydraulic fork positioning pick up 2, 3 or 4 pallets. The multiple fork positioner **APK-C** can, through long forks pick up 6 or 8 pallets. Both models give excellent visibility to the operator. The stable frame gives strong support to the forks and allows high goods turnover. Sideshift is fitted as standard.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	M mm	b x h x l mm	ESP COG mm	V LLC mm	weight kg	sideshift mm
VPK 50 C	3600/600	5,0/600	IV	2400	1360-3155	500	80x60x1200	210	189	1390	+/- 150
APK 80 C	5600/1200	8,0/900	IV	2400	1760-2960	500	120x70x2400 80/60x70x2400	540	223	2325	+/- 150

● includes hoses and couplings

● 2 hydraulic functions

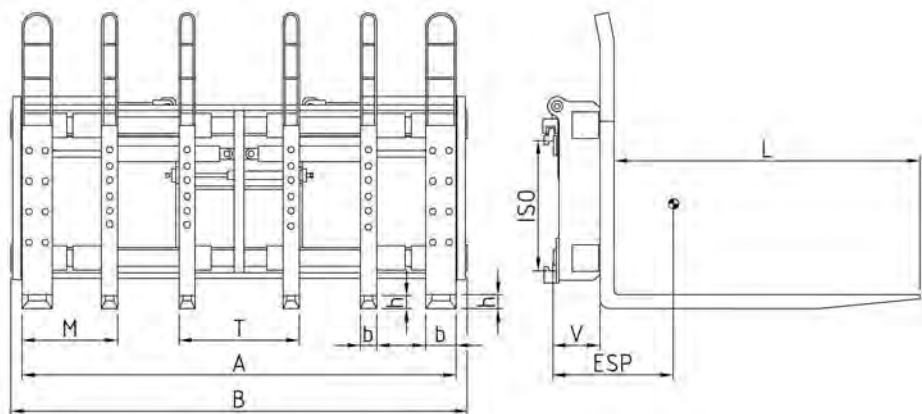
- type VPK for 2-3-4 pallets
- type APK for 6-8 pallets



Multiple fork positioner for 4-6 pallets

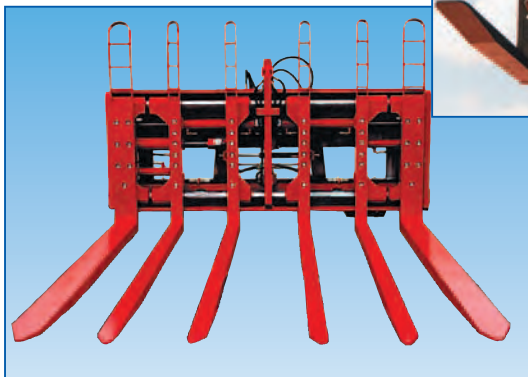
MPG 80

The multiple fork positioner **MPG 80 for 4-6 pallets** is ideal for efficient high volume loading requirements. The frame is designed to give maximum support of the pallets even when travelling at speed. The attachment has excellent service life and is made to suit multi shift working. Optional versions are available for the handling of several pallet sizes.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	M* mm	T mm	inner forks bxx mm	outer forks bxx mm	L mm	sideshift mm	ESP COG mm	VBM LLC mm	weight kg
MPG 80	5700/1200	8,0/900	IV/V	2220	1350-2130	560	560	80x65	150x70	2400	+/- 150	260	190	1950

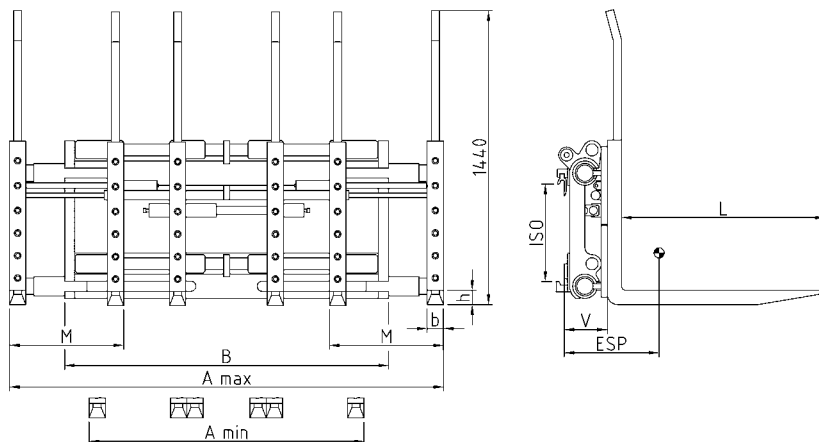
- 2 hydraulic functions
- outer fork separately operated – upon request
- hydraulically operated pallet stops – upon request
- includes hoses and couplings
- integral version – upon request



Multiple fork positioner for 4-6 pallets

SPK-C

The multiple fork positioner **SPK-C** is ideal for picking up and transporting 4 or 6 pallets at one time. Despite the stable and robust construction it offers excellent visibility to the operator. The outer forks spread beyond the attachment frame width.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	M mm	b x h x l mm	sideshift mm	ESP COG mm	V LLC mm	weight kg
SPK 45 C	2500/1200	4,5/600 5,0/500	III	1590	1350-2130	520	80x70x2400	+/- 150	520	210	1400
SPK 80 C	5600/1200	8,0/900	IV	1800	1300-2360	520	80x70x2400 90x60x2400	+/- 150	485	223	1930

- includes hoses and couplings
- 2 hydraulic functions required

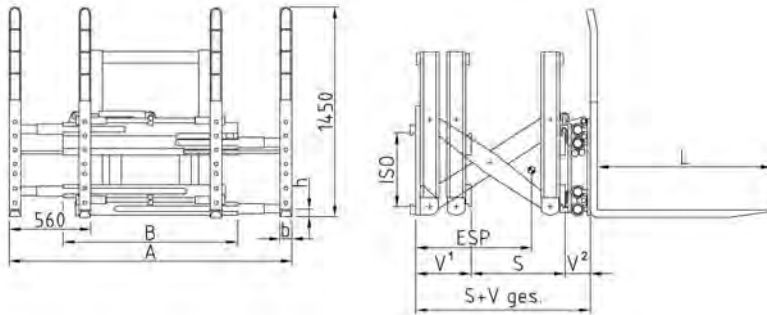


BBJ
materials handling

Multi fork positioner

with load-extender for 1-2 and 1-2-3 pallets

The double fork positioner VDPK-C with load-extender can load and unload lorries from one side. Additionally, the attachment has all the advantages of the double fork positioner, i.e. sideshift, slim forks, handling of one or two pallets and positioning the pallets together. The stroke of the load-extender is sufficient for the standard vehicle width of 2400 mm. Model VDRPK-C made for handling of 1, 2 or 3 pallets.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	A mm	b x h x l mm	stroke S mm	ESP I COG I mm	ESP II COG II mm	V LLC mm	weight kg	sideshift mm
double fork positioner for 1+ 2 pallets												
VDPK 45 C	2200/1840	4,5/600 5,0/500	III	1200	560-1940	80x50x1200	620	365	820	550	1115	+/- 100
triple fork positioner for 1, 2 and 3 pallets, best for pallets 800 x 1200 mm												
VDRPK 60 C	2400/1840	5,0/600 6,0/600	IV	1630	560-2285	60x50x1200	620	420	700	550	1320	+/- 100
VDRPK 80 C	3600/1840	7,0/8,0	IV	1630	560-2285	60x60x1200	590	370	760	600	1980	+/- 100

● 3 hydraulic functions required

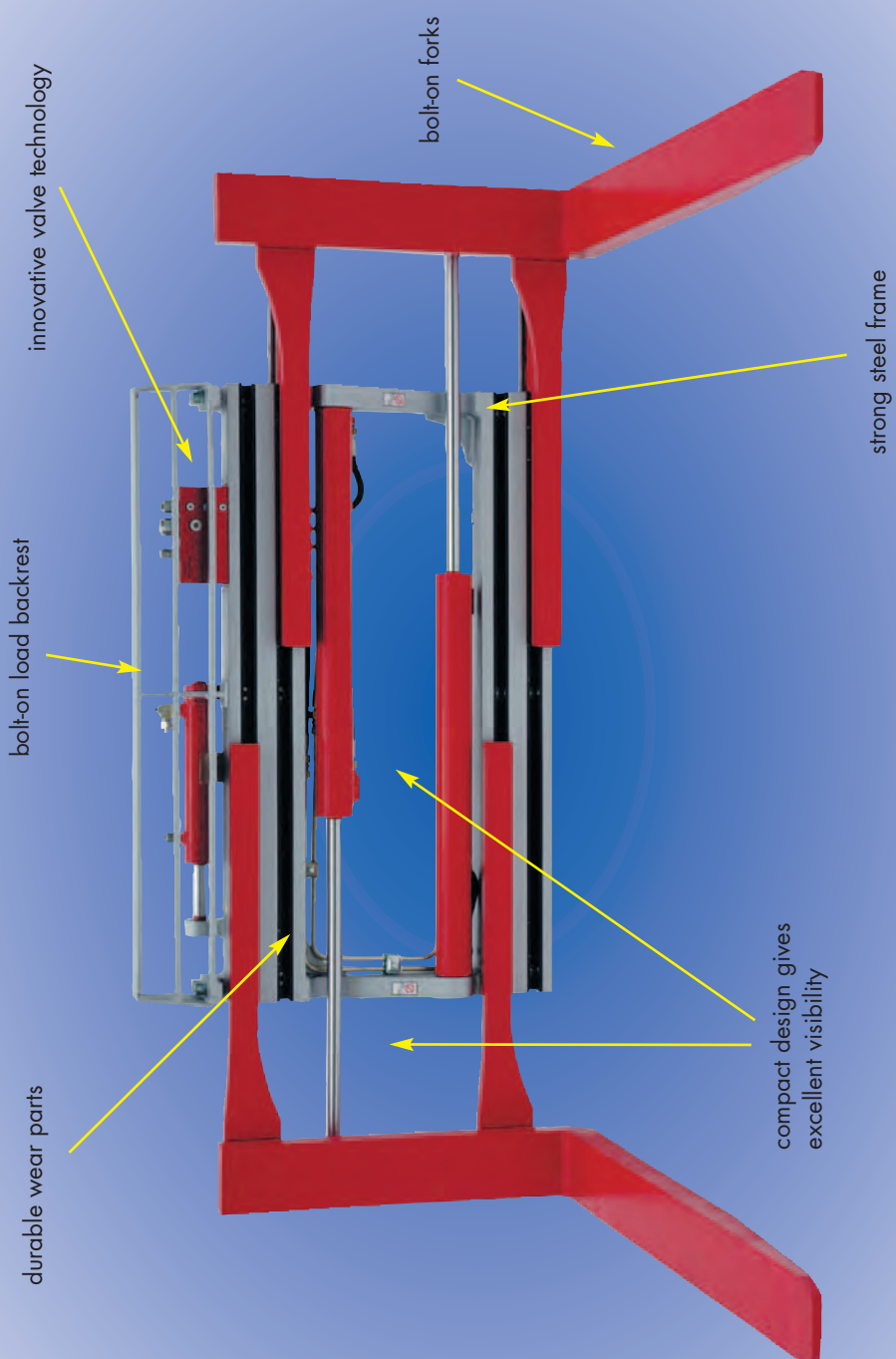
● includes hoses and couplings

options	add on price Euro	extra weight	extra thickness	remarks
solenoid valve 12, 24, o 48 Volt	upon request	—	—	please indicate voltage



double fork positioner with load extender





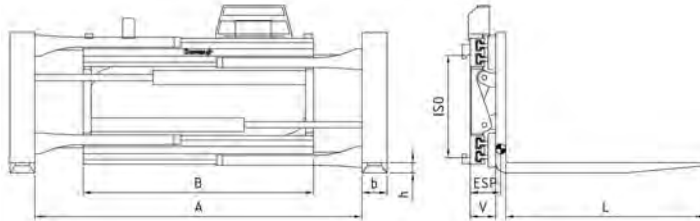
fork clamp PGK-S

Fork clamp

integral sideshift, bolt-on forks

PGK

The fork clamp PGK can spread the forks beyond the attachment frame width. It can carry loads on the forks as well as clamped between the forks. The strong steel profiles allow for excellent visibility and minimised lost load centre. A integral sideshift is included as well as bolt-on forks.

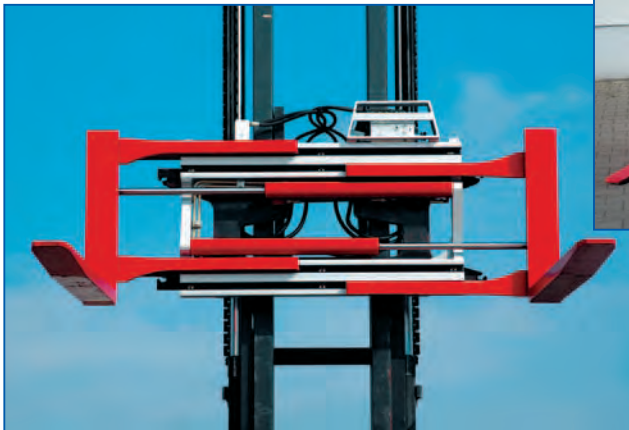


type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	A opening range ITI mm	B mm	forks b x h x l mm	V LLC mm	ESP COG mm	weight kg
PGK 15	1,0-1,5	II	1400/500	1200/500	320-1470 320-1540	980 1050	120x45x1200	126	238 232	385 395
PGK 25	2,0-2,5	II	2400/500	1900/500	310-1460 310-1530 310-1630 70-1150	980 1050 1150 1150	125x45x1200	126	232 228 225 222	405 415 430 425
PGK 30	3,0	III	2900/500	2400/500	310-1460 310-1530 310-1630 310-1830	980 1050 1150 1350	125x50x1200	126	230 225 220 215	425 435 450 480
PGK 35	3,5	III	3600/500	2700/500	260-1580 260-1780	1150 1350	150x50x1200	136	250 245	510 550
PGK 40	4,0	III	4100/500	2900/500	250-1560 250-1760	1150 1350	150x50x1200	138	220 215	585 620
PGK 45	4,5/5,0	III	4500/600	3500/500	250-1760 250-1960	1350 1550	150x60x1200	148	210 208	670 710

- features bolt-on forks as standard
- includes hoses and couplings

- 2 hydraulic functions required
- toe in on forks as standard

- slip on arms see accessories



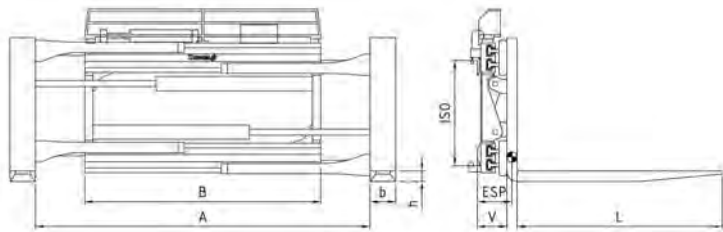
BBU
materials handling

Fork clamp

constant sideshift +/- 100 mm, bolt-on forks

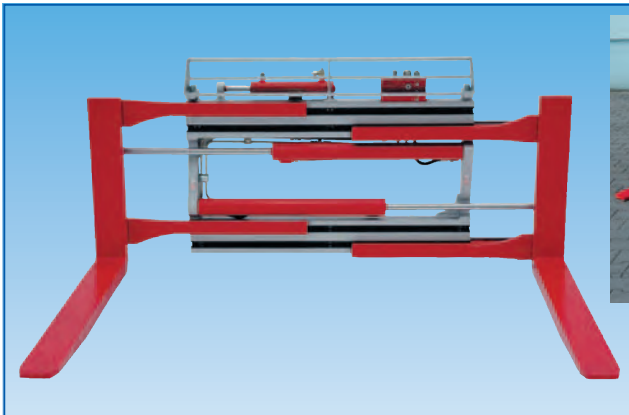
PGK-S

The fork clamp PGK-S can spread the forks beyond the attachment frame width. It can carry loads on the forks as well as clamped between the forks. The strong steel profiles allow for excellent visibility and minimised lost load centre. A constant sideshift is included as well as bolt-on forks.



type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	A opening range ITI mm	B mm	forks b x h x l mm	sideshift mm	V LLC mm	ESP COG mm	weight kg
PGK 15-S	1,0-1,5	II	1400/500	1200/500	320-1470	980	120x45x1200	+/- 100	143	230	405
					320-1540	1050				222	415
PGK 25-S	2,0-2,5	II	2400/500	1900/500	310-1460	980	125x45x1200	+/- 100	143	222	425
					310-1530	1050				218	435
					310-1630	1150				215	450
					70-1150	1150				212	445
					310-1460	980				220	445
PGK 30-S	3,0	III	2900/500	2400/500	310-1530	1050	125x50x1200	+/- 100	143	215	455
					310-1630	1150				210	470
					310-1830	1350				205	500
					260-1580	1150				240	530
					260-1780	1350				235	570
PGK 35-S	3,5	III	3600/500	2700/500	250-1560	1150	150x50x1200	+/- 100	153	215	650
PGK 40-S	4,0	III	4100/500	2900/500	250-1760	1350	150x50x1200	+/- 100	155	210	685
PGK 45-S	4,5/5,0	III	4500/600	3500/500	250-1760	1350	150x60x1200	+/- 100	165	205	735
					250-1960	1550				203	775

- features bolt-on forks as standard
- 2 hydraulic functions required
- slip on arms see accessories
- includes hoses and couplings
- toe in on forks as standard
- sideshift with bottom rollers as standard

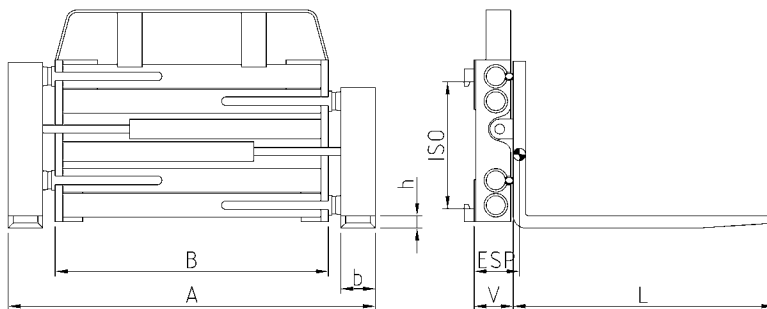


Fork clamp

capacity 5-10 ton class 4

UZ

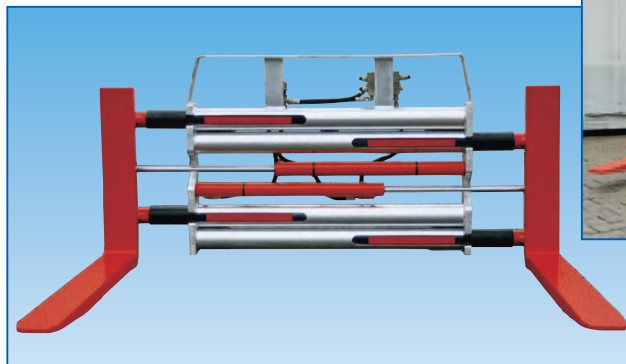
The fork clamp UZ can carry loads on the forks as well as clamped between the forks. Combined with a variety of slip on arms a large range of goods can be handled without pallets. In addition the fork clamp can also be used as a fork positioner with the forks spreading beyond the attachment frame width.



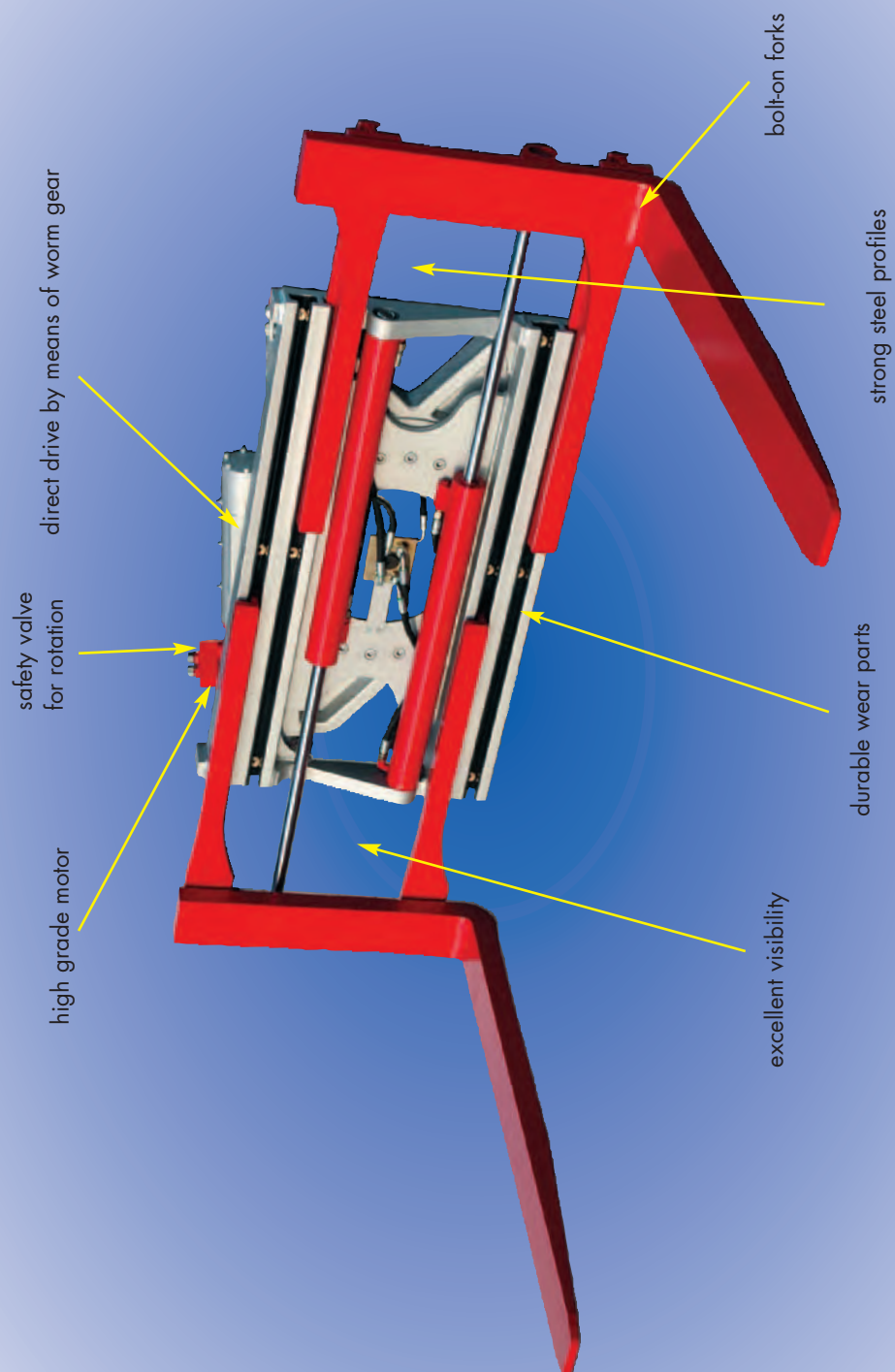
type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	frame width B mm	OTO opening range mm	forks b x h x l mm	V LLC mm	ESP COG mm	weight kg
50 UZ	5,0-6,0	IV	5000/600	3500/600	1350	550-1950	150x60x1200	180	195	830
80 UZ	7,0-8,0	IV	8000/600	4800/600	1800	550-2250	200x70x1200	195	220	1250
100 UZ	8,0/900	IV	9000/600	6500/600	2100	570-2570	200x80x1200	220	225	1860

- 1 hydraulic function required
- slip on arms see options
- bolt-on forks upon request
- includes protection strip
- includes hoses and couplings
- other sizes upon request

options	add on price Euro	extra weight	extra thickness	remarks
pressure gauge + pressure manually adjustable	upon request	—	—	up to 160 bar
integral sideshift (via valve)	upon request	—	—	dependent on opening range
constant sideshift ISO IV	upon request	110 kg	22 mm	+/- 150 mm



BBU
materials handling



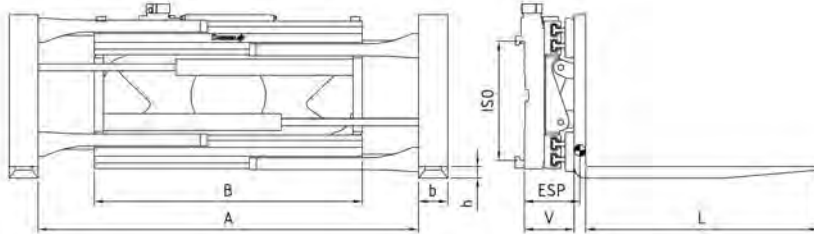
360° revolving fork clamp type DUZ

Revolving fork clamp 360°

bolt-on forks

DUZ

The revolving fork clamp **DUZ** is a multi purpose clamp with 360° continuous rotation. Loads can be carried on forks or clamped between them. Revolving fork clamps are perfect for emptying containers, boxes, bins etc. or for inverting loads. The unit features bolt-on forks and a direct drive for rotation.



type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	A opening range ITI mm	B mm	forks b x h x l mm	V LLC mm	ESP COG mm	weight kg
DUZ 15	1,5-2,0	II	1900/500	1400/500	320-1470 320-1540	980 1050	120x45x1200	206	212 210	575 585
DUZ 25	2,5	II	2400/500	1900/500	310-1530 310-1630 310-1830	1050 1150 1350	125x50x1200	212	195 190 187	645 660 690
DUZ 30	3,0	III	2900/500	2400/500	310-1530 310-1630 310-1830	1050 1150 1350	125x50x1200	212	195 190 187	645 660 690
DUZ 35	3,5	III	3600/500	2700/500	260-1780	1350	150x50x1200	242	210	870
DUZ 40	4,0	III	4100/500	2900/500	250-1760	1350	150x50x1200	244	215	940
DUZ 45	4,5/5,0	III	4500/500	3500/500	250-1760	1350	150x60x1200	254	217	990

- 2 hydraulic functions required
- Direct drive due to worm gear
- features bolt-on forks as standard
- 360° total rotation
- includes hoses and couplings
- toe in on forks as standard

options	add on price Euro	extra weight	extra thickness	remarks
pressure gauge + pressure manually adjustable	upon request	—	—	up to 160 bar
constant sideshift ISO II	upon request	35 kg	45 mm	+/- 100 mm
constant sideshift ISO III	upon request	50 kg	45 mm	+/- 100 mm



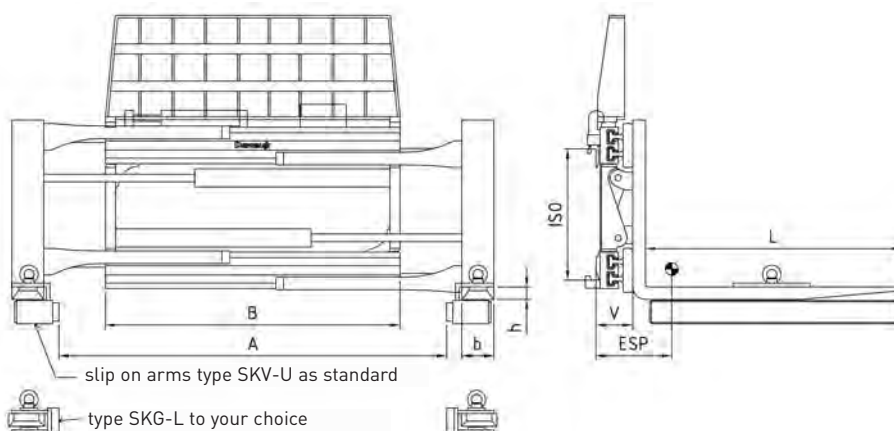
BBU
materials handling

Building material clamp

UVP

constant sideshift +/- 100 mm, bolt-on forks

The building material clamp UVP is an ideal attachment for the transport of a variety of building materials. With the articulating slip on arms various loads can be picked up quickly and safely without pallets. Also pallet loads can easily be transported with the slip-on arms removed. A robust backrest protects the driver from loose stones falling trough the mast.

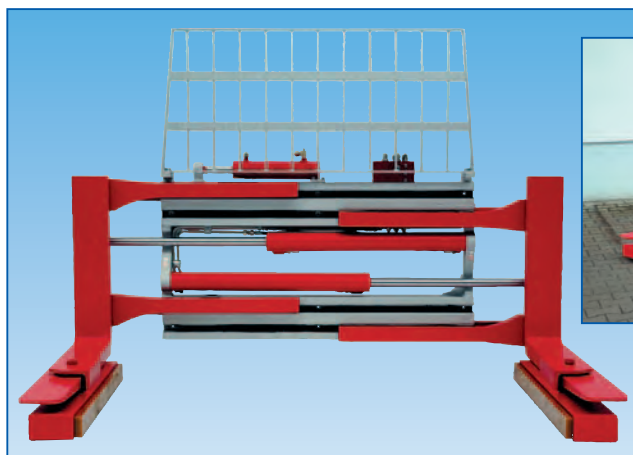


type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	opening range A ITI mm	B mm	forks b x h x l mm	sideshift mm	V LLC mm	ESP COG mm	weight kg
UVP 25	2,5	II	2500/500	1500/500	210-1530	1150	140x50x1000	+/- 100	143	255	535
UVP 30	3,0	III	3000/500	2000/500	210-1580	1200	140x50x1000	+/- 100	153	245	625
UVP 35	3,5-4,0	III	3500/500	2500/500	180-1540	1200	150x50x1000	+/- 100	155	240	710
UVP 40	4,5-5/500	III	4000/500	3000/500	180-1690	1350	150x50x1000	+/- 100	165	247	750

- includes slip on arms SKV-U or SKG-L
- includes bolt-on forks as standard

- includes robust backrest as standard
- includes constant sideshift +/-100mm

- includes hoses and couplings
- features sideshift rollers



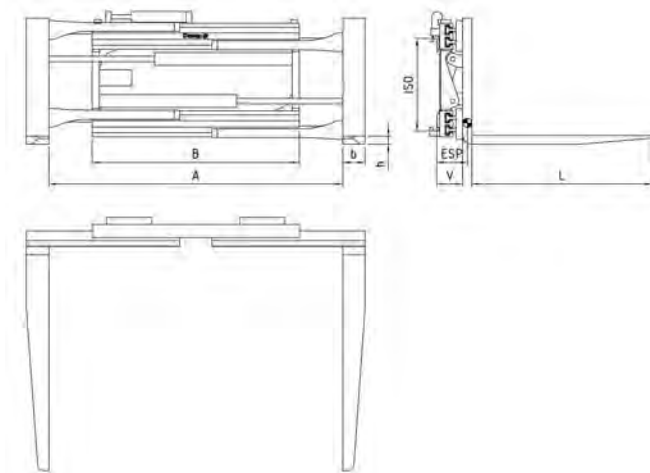
BBU
materials handling

Harbour clamp

PHK

with constant sideshift type PHK-S or with integral sideshift type PHK-V

The harbour clamp PHK is used for clamping bales and boxes as well as transporting pallets. Special shaped forks are ideal for picking of densely stacked goods. The clamp valve is built into the frame for protection and all key parts are bolted for rapid replacement. The clamp features excellent visibility.



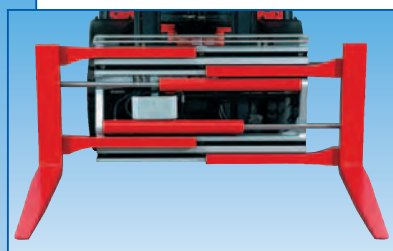
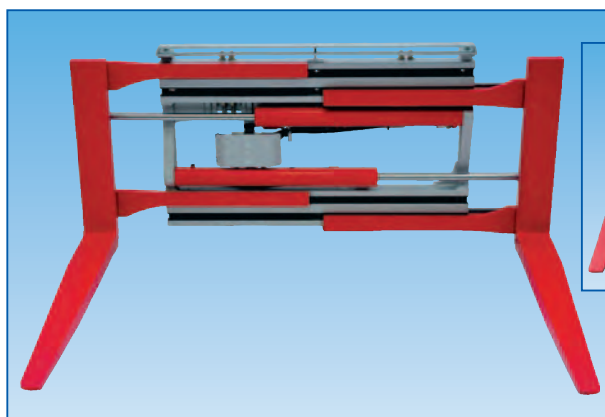
type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	A opening range ITI mm	B mm	forks mm	sideshift	V LLC mm	ESP COG mm	weight kg
PHK 25 S	2,5	II	2500/500	1600/500	310-1630	1150	125x45x1200	+/- 100	143	210	445
PHK 25 V	2,5	II	2500/500	1600/500	310-1630	1150	125x45x1200	Ventil	126	220	425
PHK 30 S	3,0	III	3000/500	1600/500	310-1630	1150	125x45x1200	+/- 100	143	208	450
PHK 30 V	3,0	III	3000/500	1600/500	310-1630	1150	125x45x1200	Ventil	126	218	430

● includes bolt-on forks

● 2 hydraulic functions required

● includes hoses and couplings

● toe-in on forks as standard

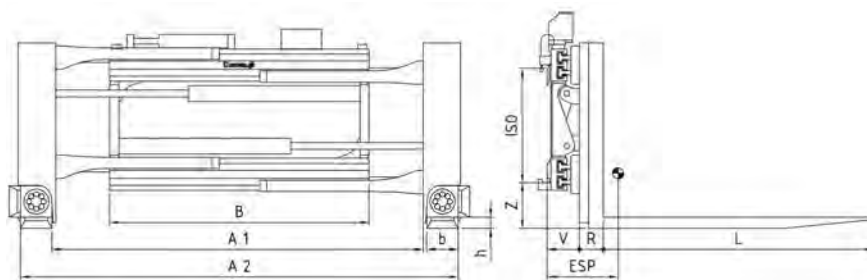


Clamp with turnable forks

constant sideshift +/- 100 mm, bolt-on forks

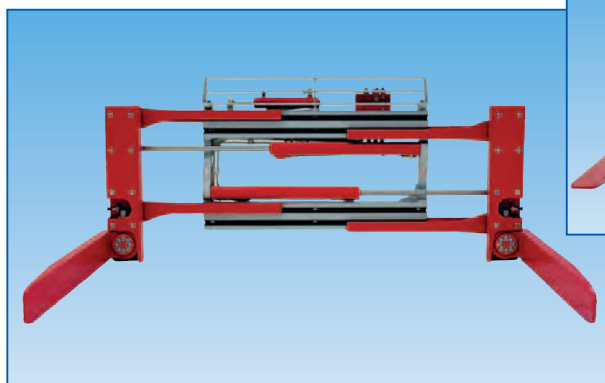
DGK

The clamp with turnable forks DGK allows for flexible use of forklift trucks. The fork on this attachment can be converted manually from pallet to clamp position. Loads standing close together can be clamped without problems. Pallets can also be handled simply with forks in the normal position. The attachment is not recommended for heavy duty clamp jobs and clamping with forks in the pallet position is not allowed.

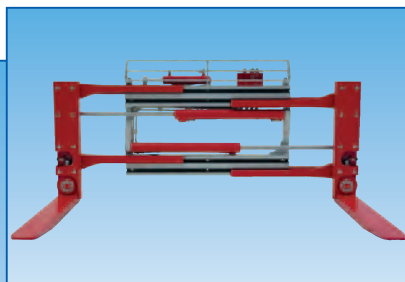


type	lift truck capacity tons	ISO	capacity on forks kg/mm LC	capacity as clamp kg/mm LC	A1 mm	A2 mm	B mm	forks b x h x l mm	sideshift mm	Z mm	V LLC mm	R mm	ESP COG mm	weight kg
DGK 20	1,5-2,0	II	2000/500	1200/500	130-1210 315-1675	405-1485 590-1850	1050 1150	125x45x1200	+/- 100	152	143	100	250 248	510 525
DGK 25	2,5	II	2500/500	1750/500	115-1195 300-1660	395-1475 580-1940	1050 1150	140x50x1200	+/- 100	152	143	105	253 250	525 540
DGK 30	3,0	III	3000/500	2000/500	115-1195 300-1660 300-1860	395-1475 580-1940 580-2140	1050 1150 1350	140x50x1200	+/- 100	203	143	105	248 245 240	545 560 575

- bolt-on forks as standard
- 2 hydraulic functions required
- pressure gauge + 3 position relief valve upon request
- pressure gauge and manually adjustable pressure upon request
- includes hoses and couplings
- features rollers for sideshift



forks positioned for clamping



forks positioned for pallet handling

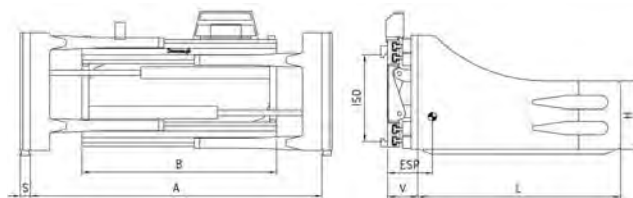
BBU
materials handling

Bale clamp

integral sideshift

PBK

The **bale clamp PBK** is made with double T steel profiles. This type of profile supports excellent visibility through the clamp and allows for a reduced lost load centre. The smooth and flush arms allows for dense stacking of bales. A integral sideshift is fitted as standard.



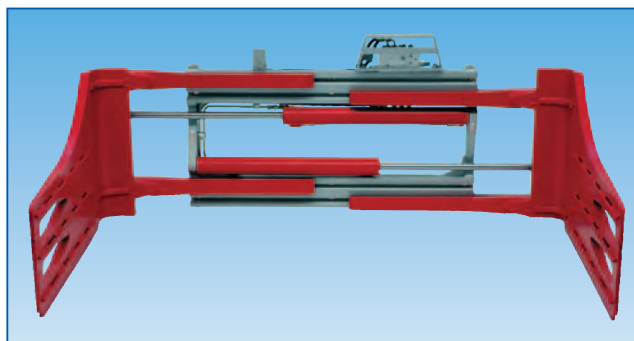
type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	height H mm	length L mm	S mm	V LLC mm	ESP COG mm	weight kg
PBK 20	2,0	II	1650/500	520-1700	980	350	800	30	166	197	445
				520-1700	980		1000			232	480
				560-1760	1050		800			195	455
				560-1760	1050		1000			230	490
PBK 25	2,5	II	2300/500	520-1700	980	350	1000	30	166	228	488
				520-1700	980		1200			283	520
				560-1760	1050		1000			225	498
				560-1760	1050		1200			280	530
				560-1860	1150		1000			222	510
				560-1860	1150		1200			277	542
PBK 30	3,0	III	2700/500	560-1760	1050	400	1000	35	171	232	615
				560-1760	1050		1200			287	660
				560-1860	1150		1000			227	630
				560-1860	1150		1200			282	675
				600-2250	1350		1000			220	660
				600-2250	1350		1200			275	705
PBK 35	3,5	III	3000/500	560-1860	1150	450	1000	40	178	240	795
				560-1860	1150		1200			295	848
				600-2250	1350		1000			235	825
				600-2250	1350		1200			290	878
PBK 40	4,0	III	3200/600	560-1860	1150	450	1200	40	185	300	858
				560-1860	1150		1400			353	908
				600-2250	1350		1200			295	888
				600-2250	1350		1400			348	938
PBK 45	4,5-5,0	III	3600/600	520-2120	1350	450	1200	40	188	298	895
				520-2120	1350		1600			400	995
				560-2360	1550		1200			290	930
				560-2360	1550		1600			390	1030

● 2 hydraulic functions required

● includes hoses and couplings

● frame bumper upon request

● other arm lengths upon request



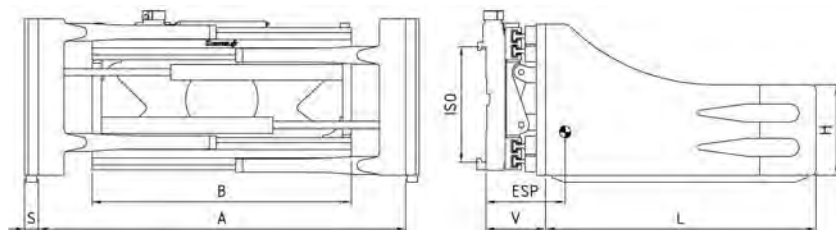
BBU
materials handling

revolving bale clamp

360° rotation

DPBK

The revolving bale clamp **DPBK** is made with double T profile guides. This type of profile supports excellent visibility through the clamp. The smooth and flush arms allows for dense stacking of bales. Due to the combined 360° direct drive rotator it can also turn clamped bales e.g. for feeding production lines



type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	height H mm	length L mm	S mm	V LLC mm	ESP COG mm	weight kg
DPBK 20	2,0	II	1500/500	520-1770	1050	350	1000	30	246	250	670
DPBK 25	2,5	II	2000/500	560-1760 600-1950	1050 1150	400	1000 1000	30	252	245 242	750 765
DPBK 30	3,0	III	2200/500	560-1860 520-2120	1150 1350	400	1000 1000	35	257	250 243	830 855
DPBK 35	3,5	III	2500/500	560-1860 520-2120	1150 1350	400	1200 1200	40	282	265 262	1045 1070
DPBK 40	4,0	III	2900/500	600-2250	1350	450	1200	40	284	270	1200
DPBK 45	4,0-5,0	III	3500/500	520-2120	1350	450	1200	40	294	267	1215

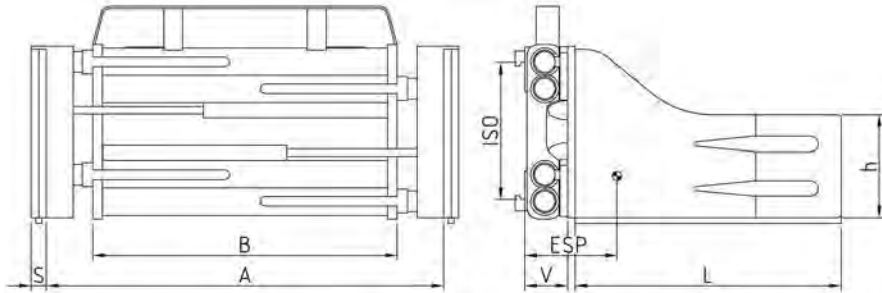
- 2 hydraulic functions required
- includes hoses and couplings
- other models or sizes upon request
- frame bumper upon request



Pulp and bale clamp

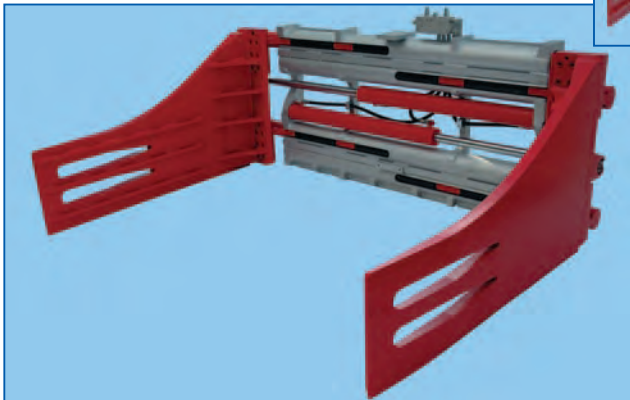
UZK

The **bale clamp UZK** has arms with a flush and smooth outer surface, which allows for the dense stacking of bales. This robust clamp system is available with class 4 mounting or higher.



type	lift truck capacity tons	ISO	capacity kg/mm LC	B mm	opening range A mm	L mm	H mm	S mm	ESP COG mm	V LLC mm	weight kg
UZK 50	5,0/600	IV	4000/600	1850	570-2600	1200	460	40	230	218	1380
				1850	570-2600	1400	460	40	270	218	1430
				1850	570-2600	1600	460	40	295	218	1470
UZK 60	6,0/600	IV	4500/700	1545	560-2165	1200	460	50	220	235	1800
				1545	560-2165	1400	460	50	250	235	1860
				1910	560-2530	1200	460	50	210	235	1930
				1910	560-2530	1400	460	50	240	235	1980
				1910	560-2530	1600	460	50	290	235	2020
UZK 80	7,0-8,0/600	IV	5000/800	1950	550-2550	1400	460	80	350	244	2070
				1950	550-2550	1600	460	80	380	244	2120

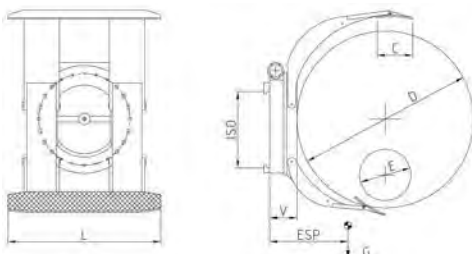
- sideshift via valve upon request
- constant sideshift +/- 150 mm ISO IV upon request, data changes
- 1 hydraulic function / +sideshift
- includes hoses and couplings
- other arm lengths upon request
- articulating arm upon request
- frame bumper upon request



Paper roll clamp 360°

PRK

The **paper roll clamp PRK** is able to take rolls vertically or horizontally and rotates 360°. The short arm can be chosen fixed (PRK-S) or variable positioned (PRK-B) due to an extra cylinder. The rotation is provided by the Durwen direct drive rotator.

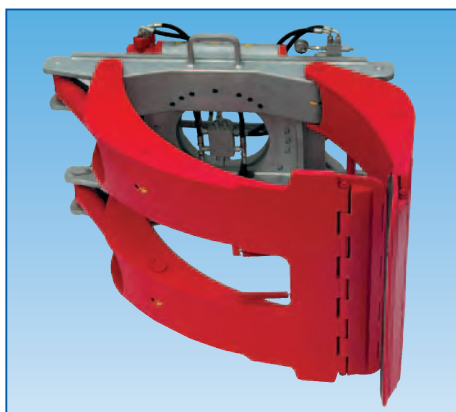


type	lift truck capacity tons	ISO	capacity kg	short arm	roll diameter E-D mm	contact pads c x l mm	V LLC mm	ESP COG mm	weight kg
PRK 25 - S	2,0 - 2,5	II	1300	fixed	400 - 1300	220 x 700	142	240	405
PRK 25 - B	2,0 - 2,5	II	1300	variable	250 - 1300	220 x 700	142	235	442
PRK 25 - S	2,5	II	1800	fixed	400 - 1300	220 x 700	158	248	455
PRK 25 - B	2,5	II	1800	variable	250 - 1300	220 x 700	158	247	490
PRK 30 - B	3,0	III	1500	variable	250 - 1600	220 x 700	190	250	635
PRK 35 - B	3,5	III	2000	variable	250 - 1600	250 x 800	208	280	875
PRK 35 - B	3,5	III	2200	variable	250 - 1450	250 x 800	208	260	825
PRK 35 - B	3,5	III	2500	variable	250 - 1300	250 x 800	208	255	765
PRK 40 - B	4,0	III	2800	variable	250 - 1600	250 x 800	215	270	885
PRK 45 - B	4,5	III	3500	variable	250 - 1300	250 x 900	225	240	925
PRK 45 - S	4,5	III	3300	fixed	520 - 1600	250 x 900	225	285	985
PRK 50 - B	5,0 - 6,0	IV	3500	variable	250 - 1600	250 x 900	230	310	1120
PRK 60 - S	6,0	IV	4000	fixed	560 - 1600	280 x 1200	240	305	1370
PRK 60 - B	6,0	IV	4000	variable	250 - 1600	280 x 1200	240	310	1380
PRK 60 - B	6,0	IV	3800	variable	350 - 1900	280 x 1050	240	320	1565
PRK 60 - B	6,0	IV	3500	variable	550 - 2050	280 x 1200	260	370	1810
PRK 60 - S	6,0	IV	3500	fixed	700 - 2050	280 x 1200	260	365	1795

- 2 hydraulic functions required
- includes hoses and couplings
- safety break as standard

- 10 mm rubber coated pads upon request
- 20 mm rubber coated pads upon request

- standard pad surface structured steel
- other pad surfaces upon request

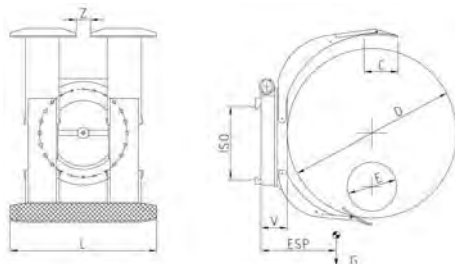


Paper roll clamp 360°

PRK-T

long arm split

The paper roll clamp PRK-T is able to take rolls vertically or horizontally and rotates 360°. Due to a split long arm the clamp allows handling of two reels with different diameter. The short arm can be chosen fixed (PRK-TS) or variable positioned (PRK-TB) with an extra cylinder. The rotation is provided by the Durwen direct drive rotorator.



type	lift truck capacity tons	ISO	capacity kg	short arm	roll diameter E-D mm	contact pads c x l mm	Z mm	V LLC mm	ESP COG mm	weight kg
PRK 25 - TS	2,0 - 2,5	II	1300	fixed	400 - 1300	220 x 700	120	142	238	395
PRK 25 - TB	2,0 - 2,5	II	1300	variable	250 - 1300	220 x 700	120	142	233	432
PRK 25 - TS	2,5	II	1800	fixed	400 - 1300	220 x 700	120	158	246	445
PRK 25 - TB	2,5	II	1800	variable	250 - 1300	220 x 700	120	158	245	480
PRK 30 - TB	3,0	III	1500	variable	250 - 1600	220 x 700	120	190	248	625
PRK 35 - TB	3,5	III	2000	variable	250 - 1600	250 x 800	200	208	278	865
PRK 35 - TB	3,5	III	2200	variable	250 - 1450	250 x 800	200	208	258	815
PRK 35 - TB	3,5	III	2500	variable	250 - 1300	250 x 800	200	208	253	755
PRK 40 - TB	4,0	III	2800	variable	250 - 1600	250 x 800	200	215	267	875
PRK 45 - TB	4,5	III	3500	variable	250 - 1300	250 x 900	200	225	237	915
PRK 45 - TS	4,5	III	3300	fixed	520 - 1600	250 x 900	200	225	282	975
PRK 50 - TB	5,0 - 6,0	IV	3500	variable	250 - 1600	250 x 900	250	230	307	1105
PRK 60 - TS	6,0	IV	4000	fixed	560 - 1600	280 x 1200	250	240	302	1355
PRK 60 - TB	6,0	IV	4000	variable	250 - 1600	280 x 1200	250	240	307	1365
PRK 60 - TB	6,0	IV	3800	variable	350 - 1900	280 x 1050	250	240	317	1550
PRK 60 - TB	6,0	IV	3500	variable	550 - 2050	280 x 1200	250	260	367	1795
PRK 60 - TS	6,0	IV	3500	fixed	700 - 2050	280 x 1200	250	260	362	1780

- 2 hydraulic functions required
- includes hoses and couplings
- safety break as standard

- 10 mm rubber coated pads upon request
- 20 mm rubber coated pads upon request

- standard pad surface structured steel
- other pad surfaces upon request

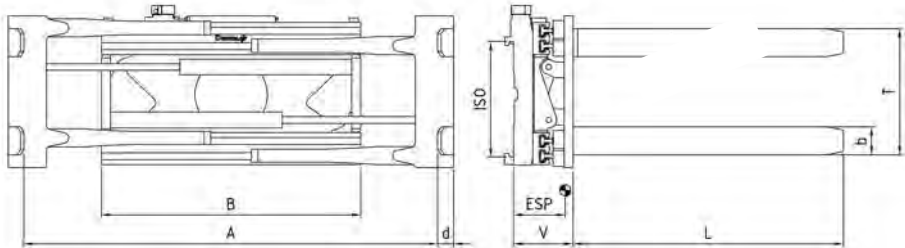


Pallet exchanger

360° total rotation

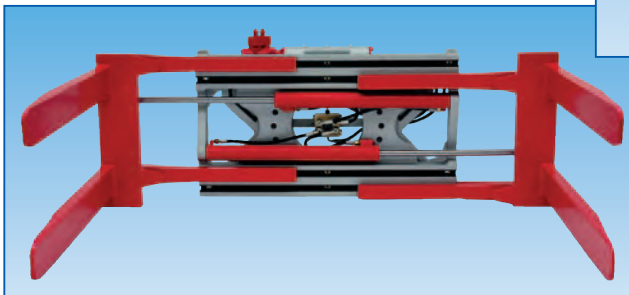
PWK

The **pallet exchanger PWK** is used for clamping loads and rotating them through 180°, allowing the load to be placed on an alternative pallet. Total rotation is 360°. The rotator uses a worm wheel system protected against the ingress of dirt and will give a long service life.



type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	width B mm	L mm	d mm	b mm	T mm	V LLC mm	ESP COG mm	weight kg
PWK 25	2,0-2,5	II	2000/500	540-1650 560-1900	980 1150	1200 1200	50 50	125 125	560 560	262 262	273 268	755 780
PWK 30	3,0	III	2500/500	560-1900 560-2100	1150 1350	1200 1200	50 50	125 125	560 560	262 262	265 255	790 820
PWK 35	3,5	III	3000/500	560-2100 560-2200	1350 1450	1200 1200	50 50	150 150	560 560	282 282	255 247	930 945
PWK 45	4,0-5,0	III	3500/500	560-2100 560-2300	1350 1550	1200 1200	60 60	150 150	560 560	294 294	273 263	1070 1110

- 2 hydraulic functions required
- includes hoses and couplings
- safety break as standard
- frame bumper upon request

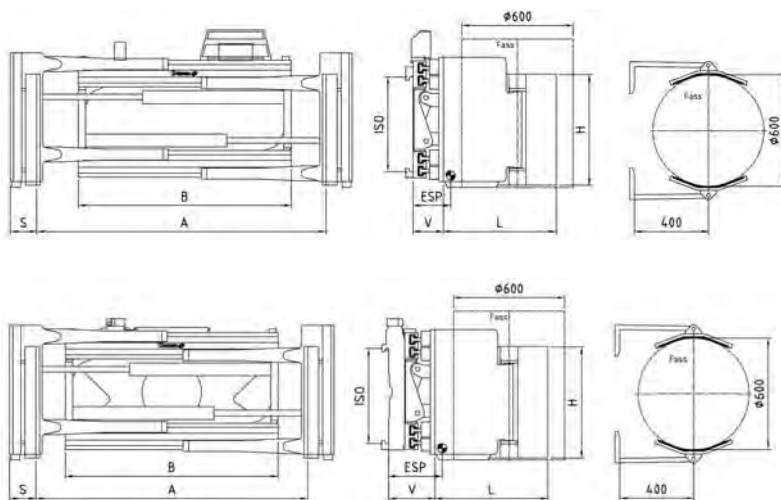


Drum clamp

UFK/DFK

with integral sideshift type UFK or revolving type DFK 360°

The drum clamp UFK allows for handling of 200 Litre standard drums. One or two drums can be handled due to the big opening range. Type UFK has an integral sideshift. **Type DFK** is combined with a rotator and allows emptying drums with 360° rotation. Type DFK has no sideshift.



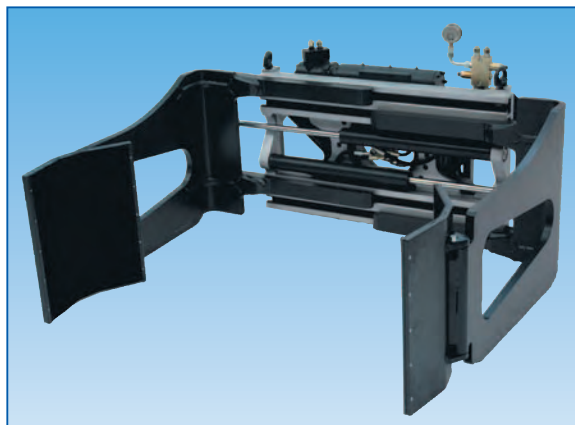
type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	arm length L mm	arm height H mm	V LLC mm	S mm	ESP COG mm	weight kg
UFK 15	1,5-2,0	II	1500/500	300-1350	970	610	510	156	85	195	390

type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	arm length L mm	arm height H mm	V LLC mm	S mm	ESP COG mm	weight kg
DFK 15	1,5-2,0	II	1500/500	300-1350	970	610	510	239	85	175	570

● includes hoses and couplings

● 2 hydraulic functions required

● safety break as standard



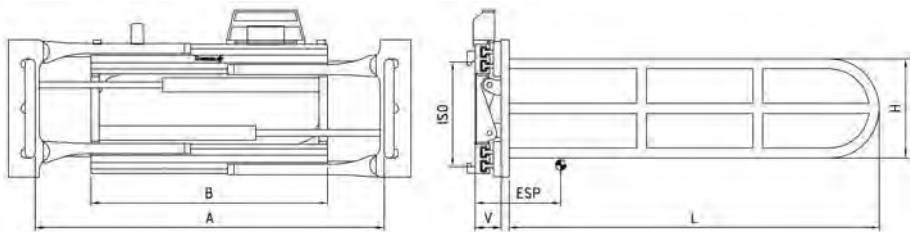
BBU
materials handling

Foam clamp

integral sideshift

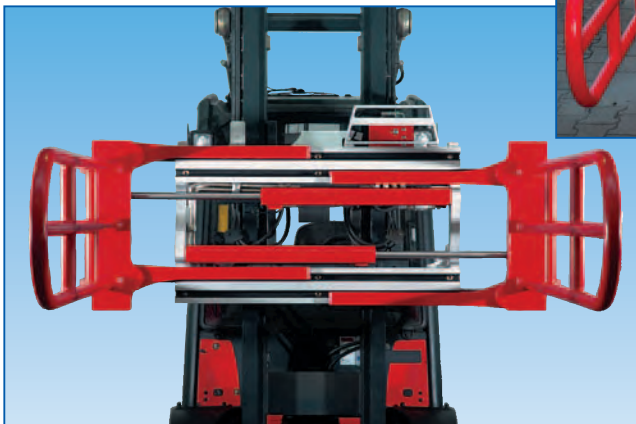
USK

The foam clamp USK is ideal for foam block handling. The tubular arm construction allows for save and careful handling. The arms are bolted to the double T profile arms.



type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	arm height h mm	arm length l mm	V LLC mm	ESP COG mm	weight kg
USK 20	1,5-2,0	II	800/1000	600-1900	1050	450	1600	126	275	415
				600-1900	1050		1800		325	425
				750-2250	1150		1600		270	430
				750-2250	1150		1800		320	440
				850-2480	1350		1600		262	460
				850-2480	1350		1800		312	470
				600-2400	1550		1600		252	490
				600-2400	1550		1800		302	500
				600-2500	1650		1600		245	505
				600-2500	1650		1800		295	515

- includes hoses and couplings
- different arms length upon request
- 2 hydraulic functions
- bolt-on arms as standard

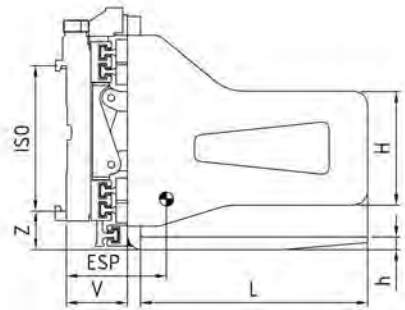
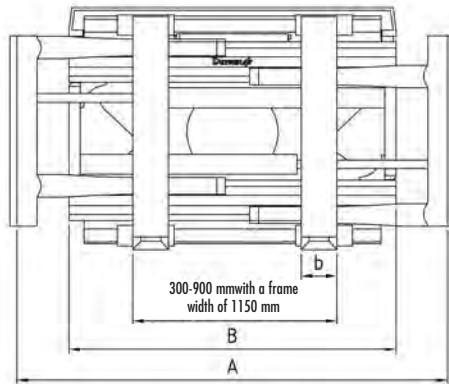


Container discharger

360° rotation

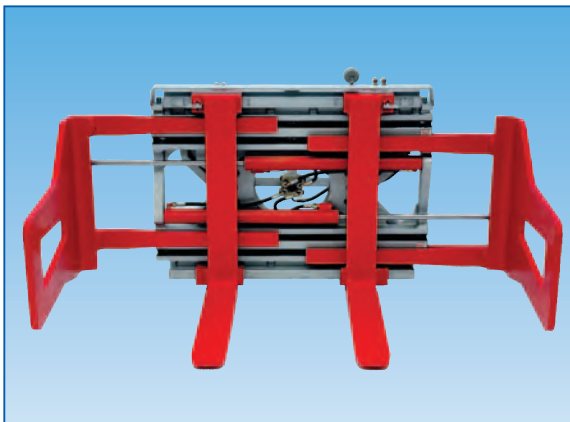
DGE

The rotating container discharger DGE rotates 360° and is developed for emptying containers and vessels. The load is picked up with the forks and supported at the sides by the clamping arms. To protect the containers the attachment is equipped as standard with a pressure relief valve and pressure-gauge. Fork positioning is manual. The Durwen direct drive rotator uses a worm wheel system protected against the ingress of dirt and will give a long service life.



type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	forks b x l mm	arms L x H mm	Z mm	V LLC mm	ESP COG mm	weight kg
DGE 20	1,5-2,0	II	1500/500	480-1640 480-1740	1050 1150	100x40	800x350	136	206	265 260	725 740
DGE 25	2,5	II	2000/500	480-1640 480-1740	1050 1150	125x45	800x400	136	212	295 285	830 845
DGE 30	3,0	III	2500/500	480-1740	1150	125x45	800x400	136	212	285	850

- rubber coated arms upon request
- longer arms and forks upon request
- includes hoses and couplings
- 2 hydraulic functions required
- includes pressure relief valve and pressure gauge



longlife rubber coating
due to edge protections

weight optimised arms

bolt-on arms

adjustable relief valve with
pressure gauge

excellent visibility

low wear profiles

high friction rubber structure

multiple load protections

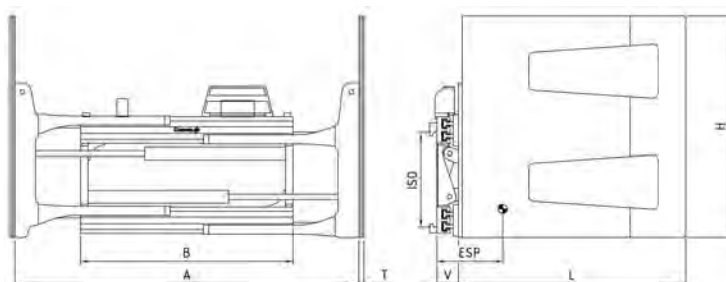
carton clamp type UKK-PD

Carton clamp, rigid arms

integral sideshift, bolt-on arms

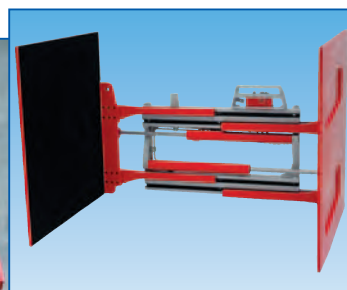
UKKS

The **carton clamp UKKS** with rigid arms, is designed for the transport of packaged goods without pallets. Because of the large, rubber coated arms the clamping force is transferred equally over the goods. The frame with has excellent visibility and allows for easy and safe use. Parts are bolted and easily exchanged.



type	lift truck capacity tons	ISO	capacity kg/mm LC	opening range A ITI mm	B mm	arm length L mm	arm height H mm	arm thickness T mm	V LLC mm	ESP COG mm	weight kg
UKKS 15	1,5-1,8	II	1000/500	440-1530	980	700	1000	28	126	235	428
				540-1700	980					232	432
				340-1400	1050					228	440
				540-1800	1050					225	445
				640-2000	1050					222	448
				540-1900	1150					220	460
				640-2100	1150					218	465
				640-2300	1350					215	495
UKKS 25	2,0-2,5	II	1600/500	400-1590	1050	1000	1000	58	126	272	480
				400-1590	1050	1200				345	540
				500-1790	1050	1000				275	495
				400-1690	1150	1000				270	510
				500-1890	1150	1000				268	515
				500-2090	1350	1000				260	545

- includes pressure-gauge + adjustable relief valve
- includes hoses and couplings
- different arms dimensions upon request
- 2 hydraulic functions required



Carton clamp, articulating arms integral sideshift, bolt-on arms

UKKP

The **carton clamp UKK-PE** with articulating arms is designed for the transport of packaged goods without pallets, such as domestic appliances. Because of the large, articulating, rubber covered arms the clamping force is transferred equally over the goods. The frame with has excellent visibility and allows for easy and safe use. Parts are bolted and easily exchanged. **Type UKK-PE** is equipped with single articulation on both arms. **Type UKK-PD** has triple articulation on both arms for optimum pressure distribution with split contact plates. **Type UKK-PSD** has one rigid arm for accurate knifing of goods and one arm triple articulating for equal pressure distribution.

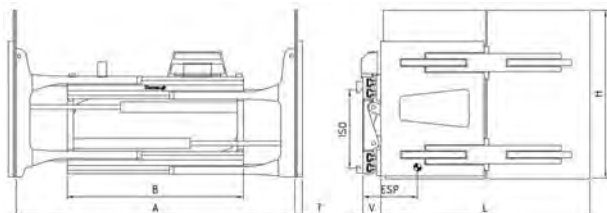


fig. = PD

PE = both arms with single articulation

PD = both arms with triple articulation

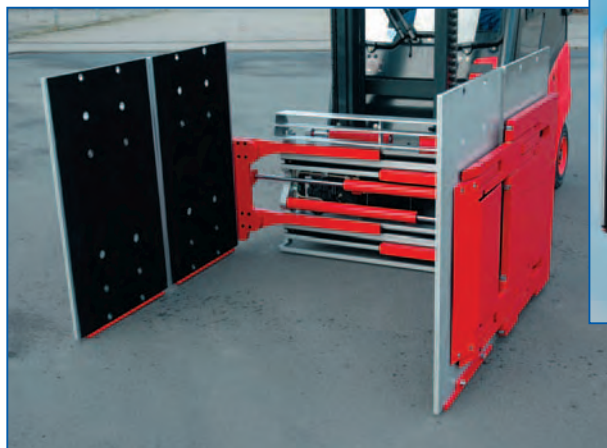
PSD = one arm rigid, one arm triple articulation

type	lift truck capacity tons	ISO	capacity as clamp kg/mm LC	opening range A mm	B mm	arm length L mm	arm height H mm	arm thickness T mm	V LLC mm	ESP COG mm	weight kg
UKK 15-PE	1,5-1,8	II	1000/600	460-1700 460-1800	1050 1150	1200	1200	60	126	315 310	515 530
UKK 25-PE	2,0-2,5	II	1300/600	460-1700 460-1800 460-1900 460-2000	1050 1150 1250 1350	1200	1200	60	126	308 305 302 298	525 540 555 570
UKK 15-PD	1,5-1,8	II	1000/600	460-1710 460-1810	1050 1150	1200	1200	60	126	335 330	725 740
UKK 25-PD	2,0-2,5	II	1300/600	460-1710 460-1810 460-1910 460-2010	1050 1150 1250 1350	1200	1200	60	126	325 320 315 310	735 750 765 780
UKK 25-PSD	2,0-2,5	II	1300/600	470-1820	1150	1380	1150	60	126	370	775

- includes pressure-gauge + adjustable relief valve
- includes hoses and couplings

- includes hoses and couplings
- different arms dimensions upon request

- 3 stage pressure relief valve see options
- constant sideshift upon request



BBU
materials handling

includes flow divider

includes constant sideshift

excellent visibility
through and
over frame

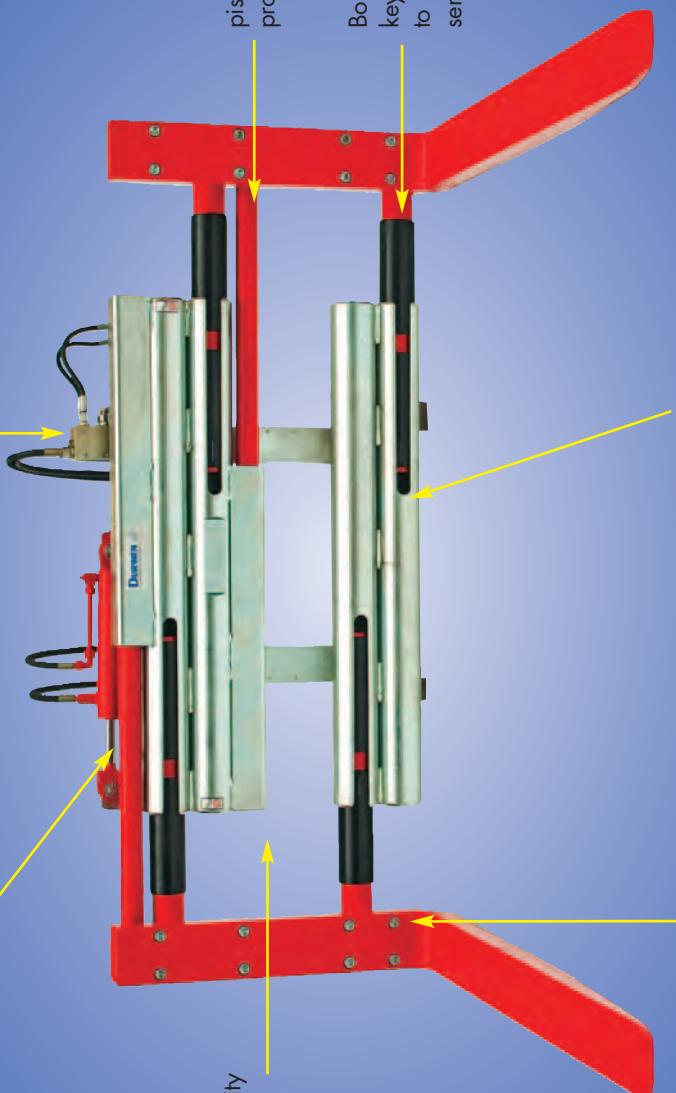
piston rod
protected

Bolted modular
key components
to allow for quality
serviceability

strong frame

bolt on forks

Sideshifting fork positioner type UZV-C

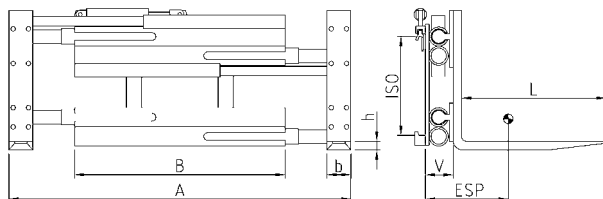


Sideshifting fork positioner

constant sideshift, bolt-on forks

UZV-C

The **sideshift fork positioner UZV-C** is designed to allow fork spread beyond the width of the carriage. This flexible feature is ideal in situations where space is important. A huge variety of loads can be handled with extreme efficiency. This strong and durable attachment offers uniquely protected hydraulics with its innovative cylinder construction. The attachment is equipped with sideshift and bolt-on forks as standard. Clamping of loads is not possible with this attachment.

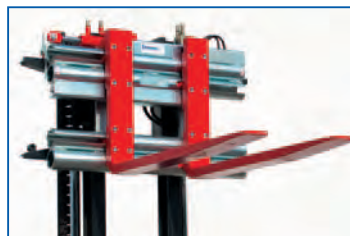


type	lift truck capacity tons	ISO	capacity kg/mm LC	B mm	A OTO forks mm	b x h x l mm	sideshift mm	V LLC mm	ESP COG mm	weight kg
UZV 15C*	1,5	II	1500/500	880	530-1530	120x40x1200	+/- 100	162	225	355
UZV 25C	1,5-2,5	II	2500/500	880	530-1530	125x45x1200	+/- 100	162	220	370
		II		980	560-1690	125x45x1200	+/- 100	162	215	382
		II		1100	560-1810	125x45x1200	+/- 100	162	210	402
		II		1100	440-1570	125x45x1200	+/- 100	162	213	395
UZV 30C	3,0	III	3000/500	1100	560-1810	125x45x1200	+/- 100	162	220	427
		III		1100	440-1570	125x45x1200	+/- 100	162	225	420
		III		1220	560-1940	125x45x1200	+/- 100	162	220	444
		III		1220	440-1690	125x45x1200	+/- 100	162	225	437
		III		1220	320-1450	125x45x1200	+/- 100	162	230	430
		III		1350	560-2070	125x45x1200	+/- 100	162	210	510
UZV 35C	3,5-4,0	III	4000/500	1220	560-1940	140x50x1200	+/- 100	167	230	509
		III		1220	455-1705	140x50x1200	+/- 100	167	245	502
		III		1220	335-1465	140x50x1200	+/- 100	167	245	495
		III		1350	560-2070	140x50x1200	+/- 100	167	245	585
UZV 45C	5,0-500	III	5000/500	1350	560-1980	150x60x1200	+/- 100	197	210	621
		III		1350	430-1720	150x60x1200	+/- 100	197	215	611
		III		1350	310-1480	150x60x1200	+/- 100	197	215	601
UZV 60C	5,0-6,0	IV	6000/600	1350	560-1980	150x65x1200	+/- 100	198	220	857
		IV		1850	560-2480	150x65x1200	+/- 100	198	205	960
UZV 80C	7,0-8,0	IV	8000/600	1800	560-2380	200x70x1200	+/- 150	206	225	1180
UZV 100C	8,0/900	IV	8000/900	2400	560-3060	200x80x1200	+/- 160	238	209	1660

- 2 hydraulic functions
- includes bolt-on forks
- includes constant sideshift
- load backrest see accessories
- includes hoses and couplings
- includes flow divider
- without sideshift upon request

- other sizes upon request

* size for reach trucks



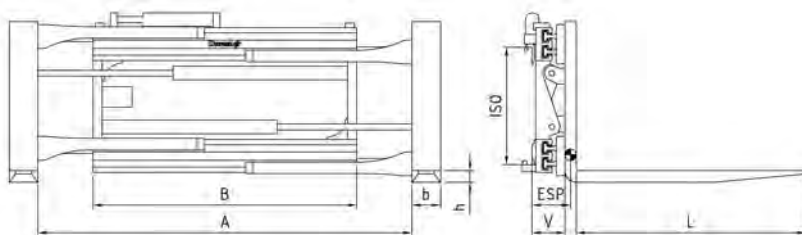
BBU
materials handling

Sideshifting fork positioner

ZVP-S

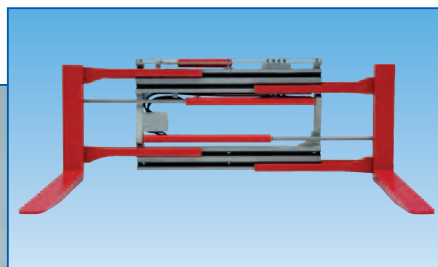
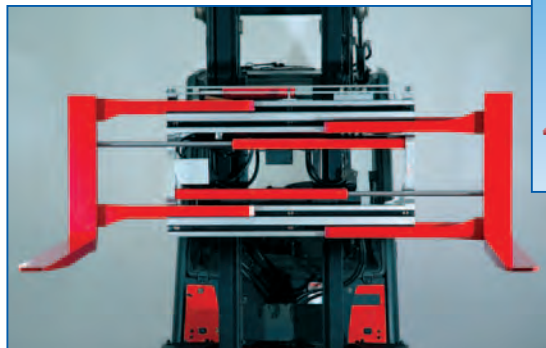
constant sideshift, bolt-on forks

The sideshifting fork positioner ZVP-S is designed to allow fork spread beyond the width of the carriage. This flexible feature is ideal in situations where space is important. A huge variety of loads can be handled with extreme efficiency. This strong and durable attachment has excellent visibility and minimised lost load centre with the use of innovative double T / E profiles. The attachment is equipped with constant sideshift and bolt-on forks as standard. Clamping of loads is not possible with this attachment.



type	lift truck capacity tons	ISO	capacity kg/mm LC	A opening range ITI mm	B mm	forks b x h x l mm	sideshift mm	b mm	V LLC mm	ESP COG mm	weight kg
ZVP 15-S	1,0-1,5	II	1500/500	320-1470 320-1540	980 1050	120x40x1200	+/- 100	120	143	223 215	385 395
ZVP 25-S	2,0-2,5	II	2500/500	310-1460 310-1530 310-1630 70-1150	980 1050 1150 1150	125x45x1200	+/- 100	120	143	228 218 212 208	410 420 435 430
ZVP 30-S	3,0	III	3000/500	310-1460 310-1530 310-1630 310-1830	980 1050 1150 1350	125x45x1200	+/- 100	125	143	217 213 205 200	425 435 450 480
ZVP 35-S	3,5	III	3500/500	280-1600 280-1800	1150 1350	140x50x1200	+/- 100	140	153	232 228	505 545
ZVP 40-S	4,0	III	4000/500	270-1580 270-1780	1150 1350	140x50x1200	+/- 100	150	155	210 203	625 660
ZVP 45-S	4,5-5,0	III	5000/500	250-1760 250-1960	1350 1550	150x60x1200	+/- 100	150	165	203 201	720 760

- 2 hydraulic functions
- includes bolt-on forks
- features sideshift rollers
- for backrest see accessories
- flow divider valve as standard
- incl. protection strip

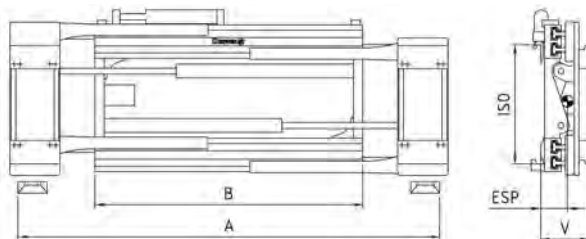


Sideshifting fork positioner

constant sideshift, ISO adaptors

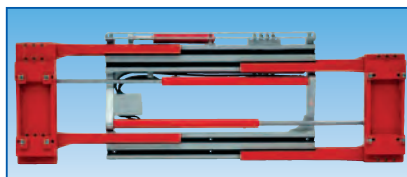
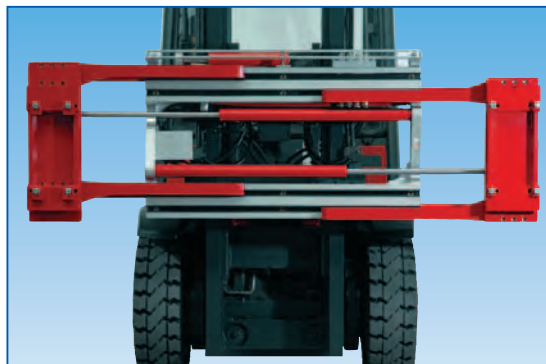
ZVP-AS

The sideshifting fork positioner ZVP-AS allows the use of standard forklift truck forks and it is designed to allow fork spread beyond the width of the carriage. This flexible feature is ideal in situations where space is important. A huge variety of loads can be handled with extreme efficiency. This strong and durable attachment has excellent visibility and minimised lost load centre with the use of innovative double T / E profiles. The attachment is equipped with constant sideshift and bolt-on ISO adaptors for standard hook-on forks. The adaptors could be replaced with bolt-on forks if required.

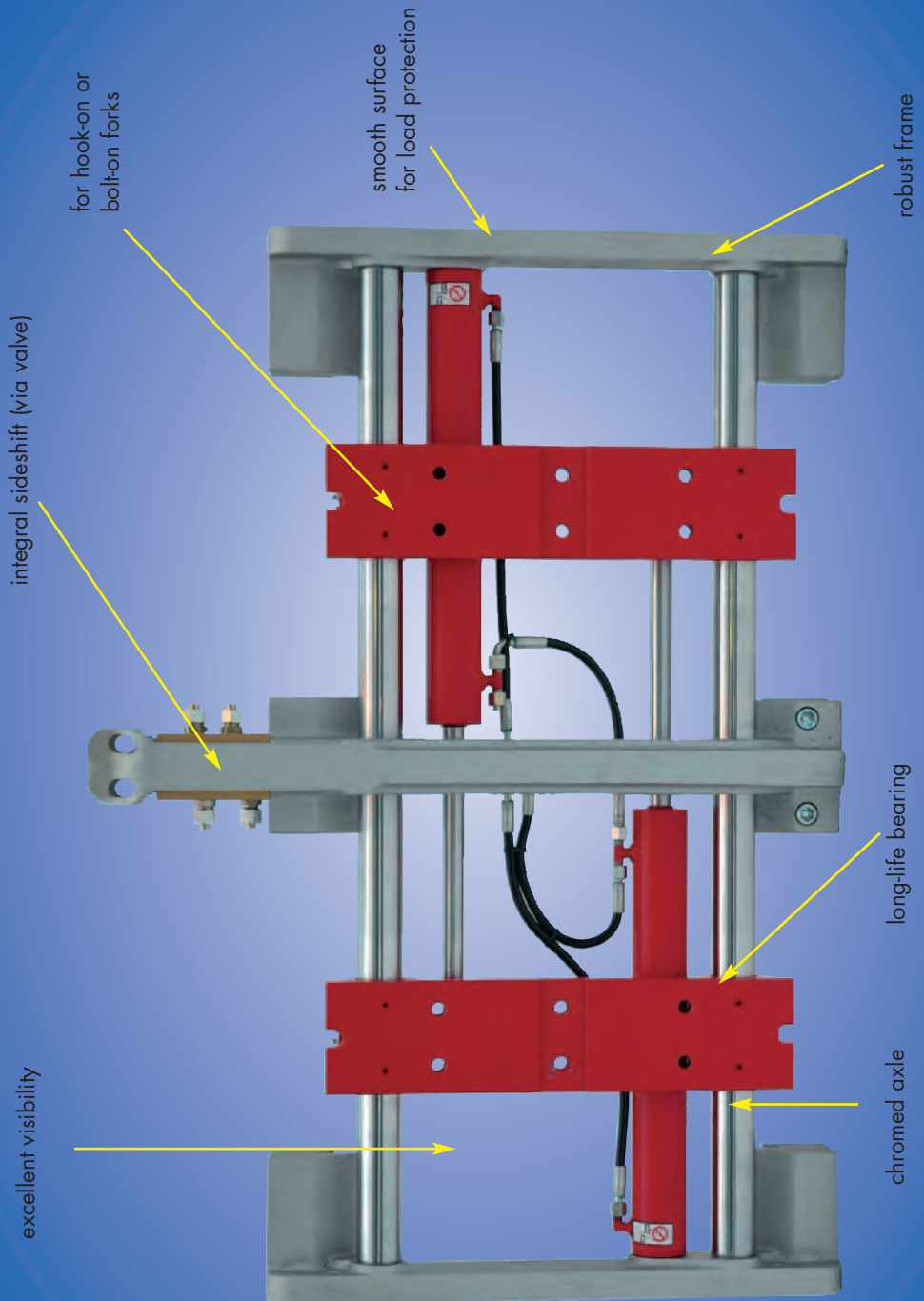


type	lift truck capacity tons	ISO	capacity kg/mm LC	A opening range ITI mm	B mm	sideshift mm	b mm	V LLC mm	ESP COG mm	weight kg
ZVP 15-AS	1,0-1,5	II	1500/500	560-1710 560-1780	980 1050	+/- 100	120	205	223 215	300 310
ZVP 25-AS	2,0-2,5	II	2500/500	560-1710 560-1780 560-1880 320-1400	980 1050 1150 1150	+/- 100	120	205	228 218 212 208	300 310 325 330
ZVP 30-AS	3,0	III	3000/500	560-1710 560-1780 560-1880 560-2080	980 1050 1150 1350	+/- 100	125	215	217 213 205 200	325 335 350 380
ZVP 35-AS	3,5	III	3500/500	560-1880 560-2080	1150 1350	+/- 100	140	225	232 228	355 395
ZVP 40-AS	4,0	III	4000/500	550-1860 550-2060	1150 1350	+/- 100	150	227	210 203	475 510
ZVP 45-AS	4,5-5,0	III	5000/500	550-2060 550-2260	1350 1550	+/- 100	150	238	203 201	515 555

- forks not included - adaptors allow the use of hook-on forks
- 2 hydraulic functions
- includes hoses and couplings
- flow divider valve as standard
- for backrest see accessories
- features sideshift rollers



BBU
materials handling



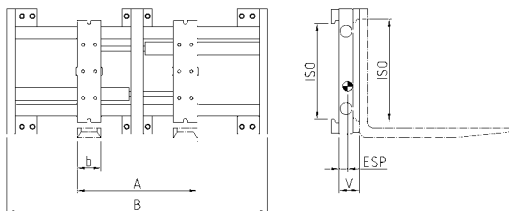
Sideshifting fork positioner type WZV

Sideshifting fork positioner

integral sideshift (via valve)

WZV

The **sideshifting fork positioner WZV** is extremely strong using a round bar system keeping the lost load centre to a minimum. It is possible to mount hook-on forks as well as bolt-on forks with this attachment. The carriage width of the lift truck has to be at least equal to the width of the attachment.



type	lift truck capacity tons	ISO	capacity kg/mm LC	B mm	opening range A mm	b mm	V LLC mm	ESP COG mm	weight kg
WZV 25	1,5-2,5	II	2500/500	880	320-780	120	90	43	139
				920	320-820	120	90	43	141
				1000	320-900	120	90	43	146
				1040	320-940	120	90	43	148
				1100	320-1000	120	90	43	152
				1150	320-1050	120	90	43	155
WZV 30	3,0-3,5	III	3500/500	1040	320-940	125	90	43	150
				1100	320-1000	125	90	43	155
				1150	320-1050	125	90	43	160
				1200	320-1100	125	90	43	163
				1300	320-1200	125	90	43	168
WZV 45	4,0-5,0/500	III	5000/500	1100	360-1000	140	101	49	184
				1200	360-1100	140	101	49	191
				1300	360-1200	140	101	49	198
				1350	360-1250	140	101	49	201
WZV 50	5,0	IV	5000/600	1250	380-1130	150	104	49	255
				1420	380-1300	150	104	49	272
				1600	380-1480	150	104	49	280
WZV 60	6,0	IV	6000/600	1420	380-1300	150	116	58	330
				1600	380-1480	150	116	58	355
				1800	380-1680	150	116	58	380
WZV 80	7,0-8,0	IV	8000/600	1800	480-1680	200	128	68	458
				2000	480-1880	200	128	68	495
				2200	480-2080	200	128	68	520
WZV 100	8,0/900	IV	8000/900	2000	480-1880	200	136	68	535
				2200	480-2080	200	136	68	560
WZV 110	8,0/1100	IV	8000/1100	2000	480-1880	200	146	78	612
				2200	480-2080	200	146	78	636

- 2 hydraulic functions
- includes hoses and couplings

- includes sideshift, depending opening range
- load backrest see accessories

- excludes forks
- hook-on forks or bolt-on forks can be used



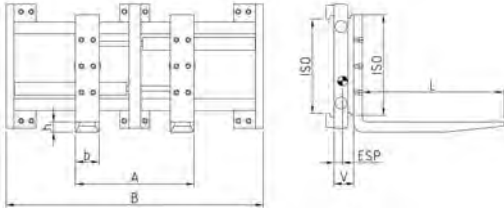
BBU
materials handling

Sideshifting fork positioner

integral sideshift (via valve), bolt on forks

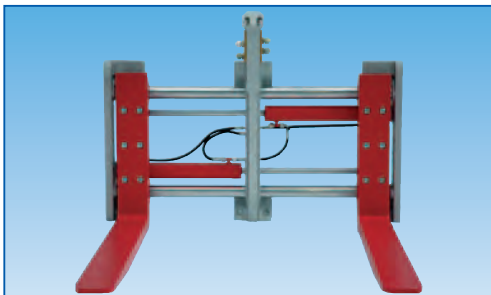
WZV-G

The **sideshifting fork positioner WZV-G** is extremely strong using a round bar system, keeping the lost load centre to a minimum. The attachment is equipped with bolt-on forks. The carriage width of the lift truck has to be at least equal to the width of the attachment.



type	lift truck capacity tons	capacity kg/mm LC	ISO	B mm	opening range A mm	forks b x h x l mm	V LLC mm	ESP COG mm	weight kg
WZV 25 G	1,5-2,5	2500/500	II	880	320-780	120x40x1200	90	238	255
			II	920	320-820		90	238	257
			II	1000	320-900		90	234	264
			II	1040	320-940		90	233	262
			II	1100	320-1000		90	231	268
			II	1150	320-1050		90	228	271
WZV 30 G	3,0-3,5	3500/500	III	1040	320-940	125x45x1200	90	244	294
			III	1100	320-1000		90	240	299
			III	1150	320-1050		90	237	304
			III	1200	320-1100		90	235	307
			III	1300	320-1200		90	232	312
			III	1350	360-1250		101	288	433
WZV 45 G	4,0-5,0/500	5000/500	III	1100	360-1000	150x60x1200	101	297	416
			III	1200	360-1100		101	293	423
			III	1300	360-1200		101	290	430
			III	1350	360-1250		101	288	433
WZV 50 G	5,0	5000/600	IV	1250	380-1130	150x65x1200	104	251	525
			IV	1420	380-1300		104	245	542
			IV	1600	380-1480		104	242	550
WZV 60 G	6,0	6000/600	IV	1420	380-1300	150x70x1200	116	245	620
			IV	1600	380-1480		116	237	645
			IV	1800	380-1680		116	229	670
WZV 80 G	7,0-8,0	8000/600	IV	1800	480-1680	200x70x1200	128	248	848
			IV	2000	480-1880		128	241	885
			IV	2200	480-2080		128	236	910
WZV 100 G	8,0/900	8000/900	IV	2000	480-1880	200x80x1200	136	252	975
			IV	2200	480-2080		136	248	995
WZV 110 G	8,0/1100	8000/1100	IV	2000	480-1880	200x80x1200	146	245	1051
			IV	2200	480-2080		146	239	1078

- 2 hydraulic functions
- includes hoses and couplings
- includes sideshift via valve, depending opening range
- load backrest see accessories
- includes bolt-on forks
- includes adapters for ISO forks



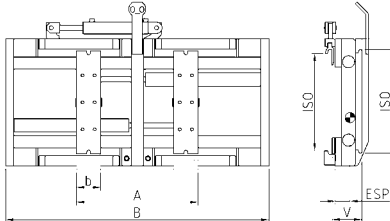
BBU
materials handling

Sideshifting fork positioner

frame version, constant sideshift

ZVR

The fork positioner **ZVR** uses a robust round bar system that is bolted to a stable frame. The constant sideshift operates in every fork position. Hook-on forks can be used as well as bolt-on forks. The attachment can be mounted onto fork truck carriages that are narrower than the attachment itself.



type	lift truck capacity tons	capacity kg/mm LC	ISO	B mm	opening range A mm	b mm	V LLC mm	ESP COG mm	weight kg	sideshift +/- mm
ZVR 25	1,5-2,5	2500/500	II	1150 1300	320-1050 320-1200	120 120	130 130	81 81	250 266	+/- 100
ZVR 30	3,0-3,5	3500/500	III	1150 1300	320-1050 320-1200	125 125	130 130	81 81	270 286	+/- 100
ZVR 45	4,0-5,0/500	5000/500	III	1350 1600	360-1250 360-1500	140 140	146 146	92 92	340 372	+/- 100
ZVR 50	5,0	5000/600	IV	1420 1600	380-1300 380-1480	150 150	159 159	109 109	515 540	+/- 100
ZVR 60	6,0	6000/600	IV	1600 1800	380-1480 380-1680	150 150	168 168	118 118	645 691	+/- 100
ZVR 80	7,0-8,0	8000/600	IV	2000	480-1880	200	205	138	885	+/- 150
ZVR 100	8,0/900	8000/900	IV	2000	480-1880	200	220	148	985	+/- 150

- fork prices upon request
- 2 hydraulic functions required
- hook-on forks or bolt-on forks can be used
- includes hoses and couplings
- option sideshift via valve
- excludes forks

options	weight reduced by	LLC reduced by
integral sideshift (via valve) instead of constant sideshift	35 kg	15 mm
integral sideshift (via valve) instead of constant sideshift	50 kg	15 mm
integral sideshift (via valve) instead of constant sideshift	110 kg	22 mm



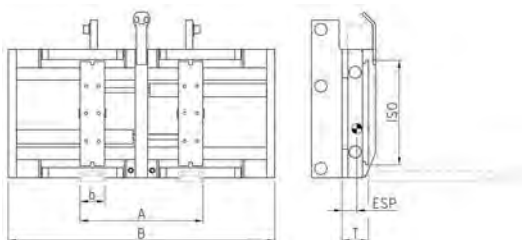
BBU
materials handling

Sideshifting fork positioner

integral version, integral sideshift (via valve)

ZVI

The integral fork positioner ZVI uses a robust round bar system which is bolted to a stable frame. Hook-on or bolt on forks can be used. Integral sideshift (via valve) is standard.



type	lift truck capacity tons	capacity kg/mm LC	B mm	opening range A mm	b mm	T mm	ESP COG mm	weight kg
ZVI 25	1,5-2,5	2500/500	1150 1300	320-1050 320-1200	120 120	113 113	82 82	220 236
ZVI 30	3,0-3,5	3500/500	1150 1300	320-1050 320-1200	125 125	113 113	82 82	240 256
ZVI 45	4,0-5,0/500	5000/500	1350	360-1250	140	129	90	305
ZVI 50	5,0	5000/600	1420 1600	380-1300 380-1480	150 150	132 132	106 106	458 480
ZVI 60	6,0	6000/600	1600 1800	380-1480 380-1680	150 150	158 158	115 115	575 621
ZVI 80	7,0-8,0	8000/600	1800 2000	480-1680 480-1880	200 200	186 186	135 135	750 795
ZVI 100	8,0/900	8000/900	2000 2200	480-1880 480-2080	200 200	196 196	145 145	885 935
ZVI 110	8,0/1100	8000/1100	2200	480-2080	200	210	155	1040

- forks not included
- brackets, stubshafts, drawings and chain anchors (or the original carriage) may need to be supplied FOC to Durwen
- hook-on forks or bolt-on forks can be used
- 2 hydraulic functions required
- fork prices upon request

options	add on price Euro	remarks
chamfered forks 20 x 45° - up to 1200 mm length for coil transport	upon request	each 100 mm more upon request
add on price for brackets type ZVI 25 - ZVI 45	upon request	stubshafts and chain anchors not included
add on price for brackets type ZVI 50 - ZVI 80	upon request	stubshafts and chain anchors not included
add on price for brackets type ZVI 100 - ZVI 110	upon request	stubshafts and chain anchors not included

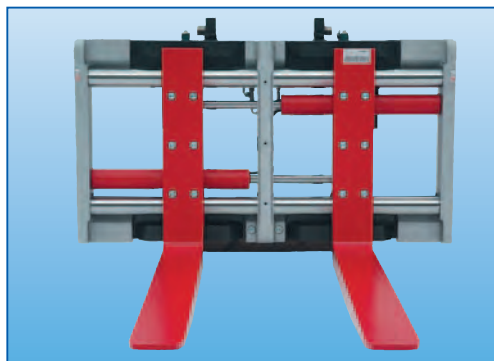


Image shows attachment with optional bolt-on forks.



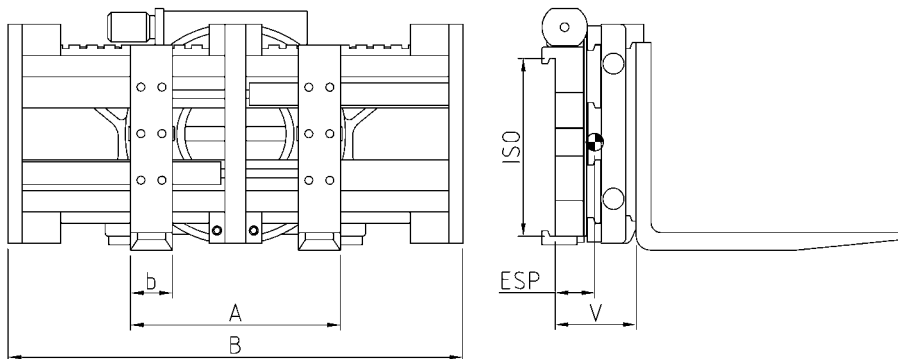
BBU
materials handling

Rotating fork positioner

360° total rotation, bolt-on forks

DZV

The rotating fork positioner DZV rotates 360° and has bolt-on forks. The strong construction with round bars guarantees a long service life. The rotator has a strong direct transmission with proven service in heavy duty applications. The rotation bearing is protected against dust. Rotator and clamp are connected through a ISO 2328 carriage and are easily separated and can be used separately.

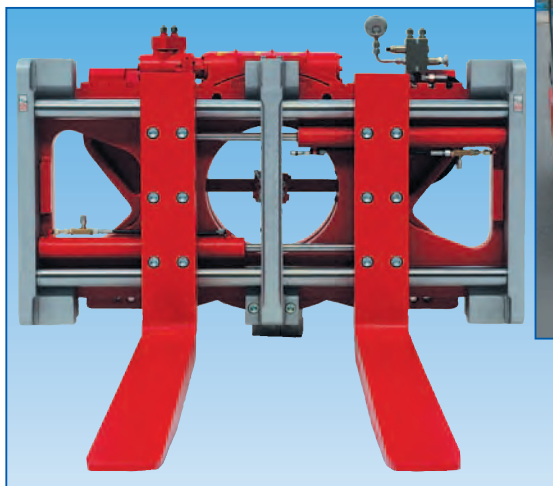


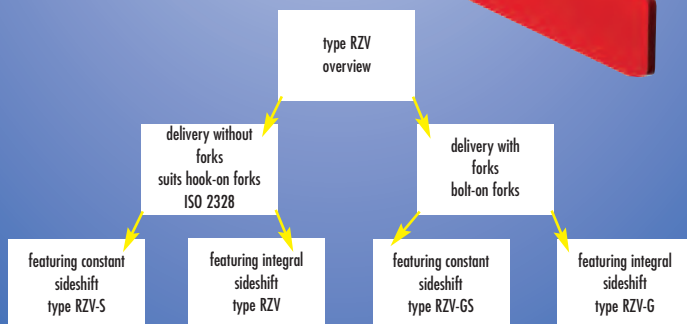
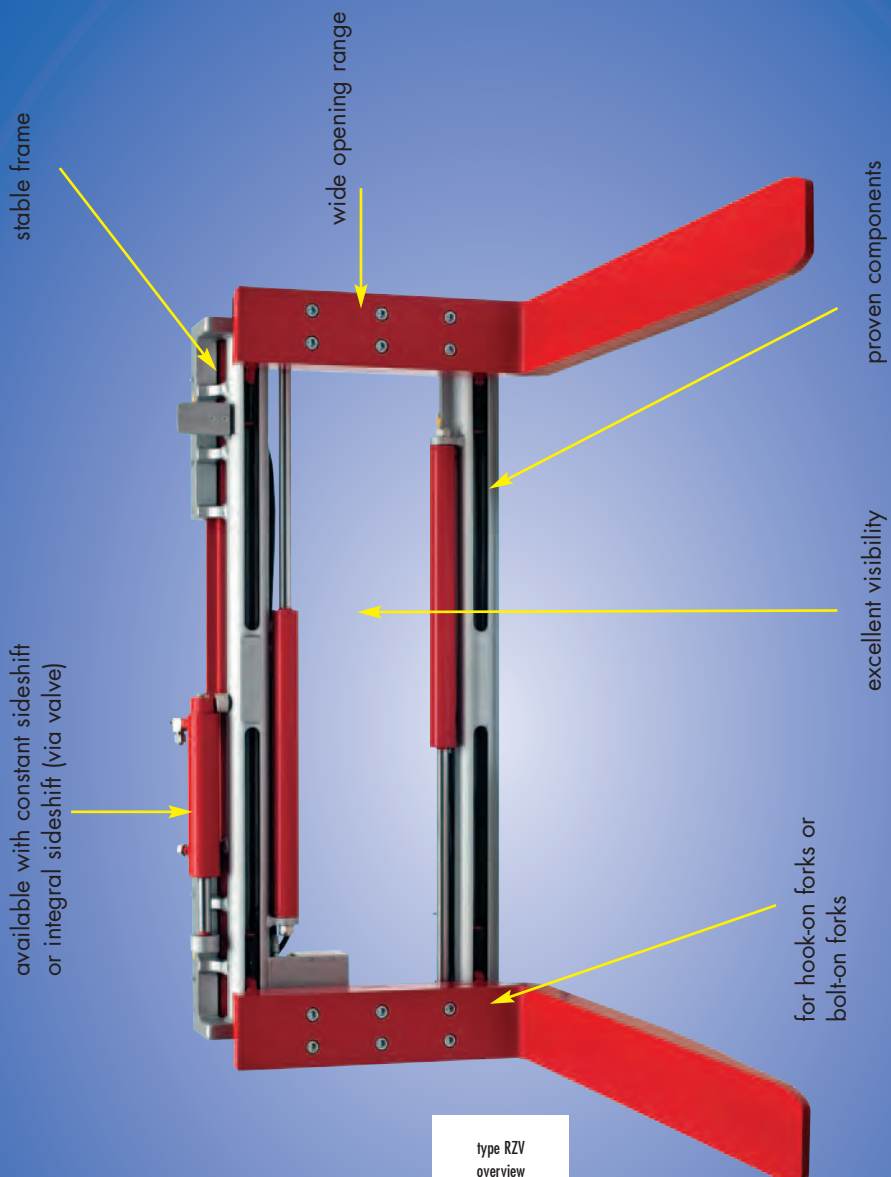
type	lift truck capacity tons	ISO	capacity kg/mm LC	B mm	opening range A mm	forks b x h x l mm	V LLC mm	ESP COG mm	weight kg
DZV 25	2,0-2,5	II	2200/500	1150	320-1050	120x40x1200	213	171	545
DZV 30	3,0	III	2800/500	1150	320-1050	125x45x1200	213	187	605
DZV 45	3,5-4,5	III	5000/500	1350	360-1250	150x60x1200	249	215	850
DZV 60	6,0	IV	5500/600	1420	380-1300	150x70x1200	311	244	1420
DZV 80	7,0-8,0	IV	7500/600	1800	480-1680	200x70x1200	326	276	1690

- 2 hydraulic functions
- sideshift upon request

- includes hoses and couplings
- includes bolt-on forks

- other sizes upon request





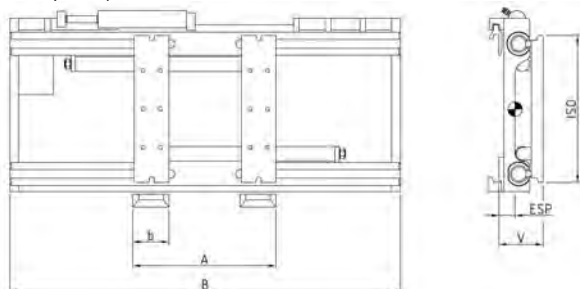
Fork positioner type RZV

Sideshifting fork positioner

RZV-S

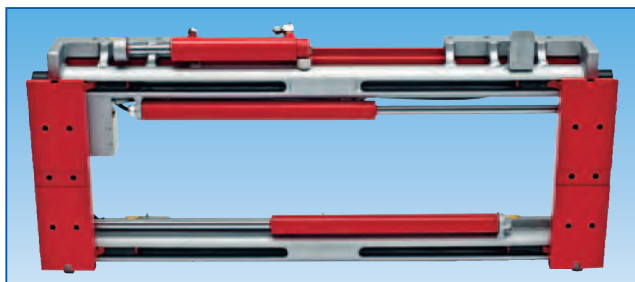
Constant sideshift, no forks

The **sideshifting fork positioner type RZV-S** uses stable tube guides for positioning of forks. The simple design offers reliability and excellent operator visibility. Hook-on forks can be used. The constant sideshift operates at any fork position.



type	lift truck capacity tons	capacity kg/mm LC	ISO	B mm	opening range A mm	b mm	sideshift mm	V LLC mm	ESP COG mm	weight kg
RZV 25 S	1,5-2,5	2500/500	II	980	490-1060	120	+/- 100	142	45	135
				1040	490-1120	120	+/- 100	142	45	142
				1150	490-1230	120	+/- 100	142	50	150
				1350	490-1430	120	+/- 100	142	50	160
RZV 30 S	3,0	3000/500	III	1040	490-1120	125	+/- 100	152	55	168
				1150	490-1230	125	+/- 100	152	60	181
				1350	490-1430	125	+/- 100	152	60	195
RZV 35 S	3,5	3500/500	III	1150	490-1230	140	+/- 100	152	62	188
				1350	490-1430	140	+/- 100	152	62	203
RZV 45 S	4,0-5/500	5000/500	III	1150	490-1230	150	+/- 100	168	70	235
				1350	490-1430	150	+/- 100	168	70	250
				1550	490-1630	150	+/- 100	168	70	265
RZV 60 S	5-6,0	6000/600	IV	1460	560-1560	150	+/- 160	190	75	510
				1860	560-1960	150	+/- 160	190	75	590
RZV 80 S	7-8,0	8000/600	IV	1860	560-1960	200	+/- 160	190	72	600
				2060	560-2160	200	+/- 160	190	72	610
				2260	560-2360	200	+/- 160	190	72	660
				2400	560-2500	200	+/- 160	190	72	710
RZV 100 S	8/900	8000/900	IV	2060	560-2160	200	+/- 160	216	70	800
				2260	560-2360	200	+/- 160	216	70	855
				2400	560-2500	200	+/- 160	216	70	910
RZV 110 S	8/1100	8000/1100	IV	2060	560-2160	200	+/- 160	218	72	820
				2260	560-2360	200	+/- 160	218	72	875
				2400	560-2500	200	+/- 160	218	72	930

- Includes hoses and couplings
- Clamping of goods not allowed / possible
- Load backrest see accessories
- 2 hydraulic functions required

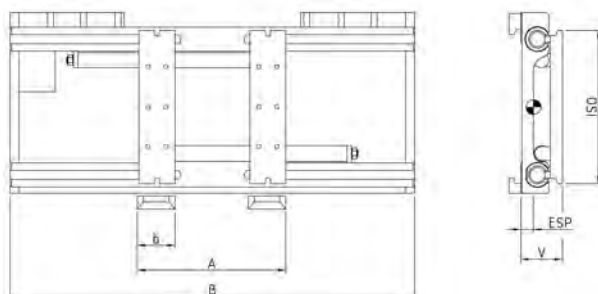


Sideshifting fork positioner

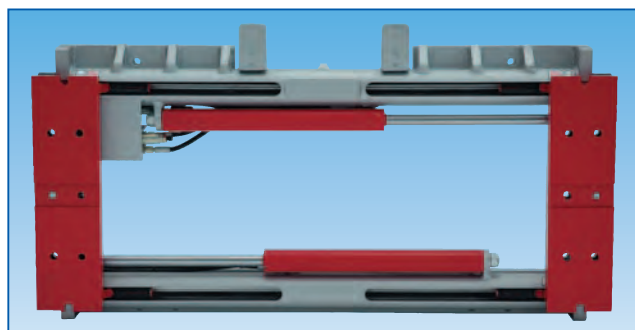
RZV

integral sideshift (via valve), no forks

The sideshifting fork positioner type RZV uses stable tube guides for positioning of fork adaptors. The simple design offers reliability and excellent operator visibility. Hook-on forks can be used. The integral sideshift is depending on fork position.



type	lift truck capacity tons	capacity kg/mm LC	ISO	B mm	opening range A mm	b mm	V LLC mm	ESP COG mm	weight kg
RZV 25	1,5-2,5	2500/500	II	980	490-1060	120	126	45	109
				1040	490-1120	120	126	45	118
				1150	490-1230	120	126	50	130
				1350	490-1430	120	126	50	140
RZV 30	3,0	3000/500	III	1040	490-1120	125	138	55	145
				1150	490-1230	125	138	60	160
				1350	490-1430	125	138	60	175
RZV 35	3,5	3500/500	III	1150	490-1230	140	138	65	165
				1350	490-1430	140	138	65	180
RZV 45	4,0-5/500	5000/500	III	1150	490-1230	150	153	70	205
				1350	490-1430	150	153	70	220
				1550	490-1630	150	153	70	235
RZV 60	5-6,0	6000/600	IV	1460	560-1560	150	165	72	450
				1860	560-1960	150	165	72	530
RZV 80	7-8,0	8000/600	IV	1860	560-1960	200	165	75	535
				2060	560-2160	200	165	75	540
				2260	560-2360	200	165	75	590
				2400	560-2500	200	165	75	635
RZV 100	8/900	8000/900	IV	2060	560-2160	200	190	70	700
				2260	560-2360	200	190	70	750
				2400	560-2500	200	190	70	810
RZV 110	8/1100	8000/1100	IV	2060	560-2160	200	192	73	715
				2260	560-2360	200	192	73	765
				2400	560-2500	200	192	73	825



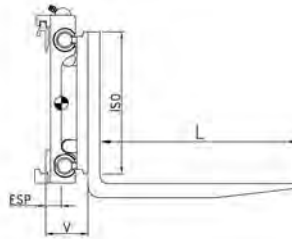
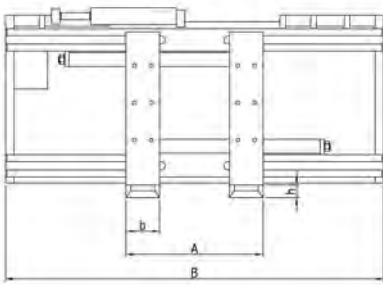
- Includes hoses and couplings
- 2 hydraulic functions required
- Clamping of goods not allowed / possible
- Load backrest see accessories

Sideshifting fork positioner

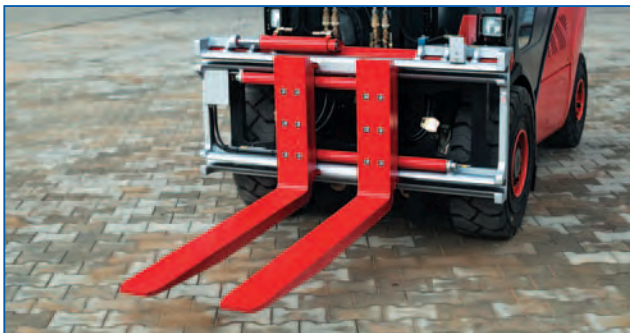
Constant sideshift, bolt-on forks

RZV-GS

The **sideshifting fork positioner type RZV-GS** uses stable tube guides for fork positioning. The simple design offers reliability and excellent operator visibility. The constant sideshift operates at any fork position.



type	lift truck capacity tons	capacity kg/mm LC	ISO	B mm	opening range A mm	forks b x h x l mm	sideshift mm	V LLC mm	ESP COG mm	weight kg
RZV 25 GS	1,5-2,5	2500/500	II	980 1040 1150 1350	490-1060 490-1120 490-1230 490-1430	120x40x1200	+/- 100 +/- 100 +/- 100 +/- 100	142 142 142 142	220 218 215 213	255 263 272 282
RZV 30 GS	3,0	3000/500	III	1040 1150 1350	490-1120 490-1230 490-1430	125x45x1200	+/- 100 +/- 100 +/- 100	152 152 152	210 205 203	313 326 340
RZV 35 GS	3,5	3500/500	III	1150 1350	490-1230 490-1430	140x50x1200	+/- 100 +/- 100	152 152	222 218	368 383
RZV 45 GS	4,0-5/500	5000/500	III	1150 1350 1550	490-1230 490-1430 490-1630	150x60x1200	+/- 100 +/- 100 +/- 100	168 168 168	228 225 220	465 480 495
RZV 60 GS	5-6,0	6000/600	IV	1460 1860	560-1560 560-1960	150x70x1200	+/- 160 +/- 160	190 190	185 180	805 870
RZV 80 GS	7-8,0	8000/600	IV	2060 2260 2400	560-2160 560-2360 560-2500	200x70x1200	+/- 160 +/- 160 +/- 160	190 190 190	186 183 179	1010 1060 1110
RZV 100 GS	8/900	8000/900	IV	2060 2260 2400	560-2160 560-2360 560-2500	200x80x1200	+/- 160 +/- 160 +/- 160	216 216 216	180 175 172	1230 1285 1340
RZV 110 GS	8/1100	8000/1100	IV	2060 2260 2400	560-2160 560-2360 560-2500	200x80x1200	+/- 160 +/- 160 +/- 160	218 218 218	190 186 183	1292 1348 1403



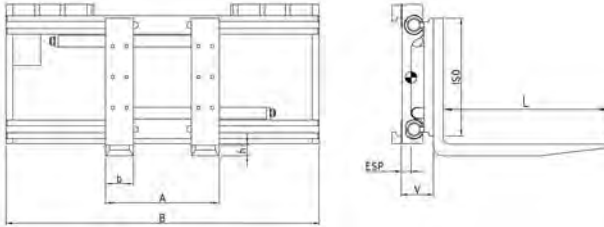
- Includes hoses and couplings
- 2 hydraulic functions required
- Clamping of goods not allowed / possible
- Load backrest see accessories
- Includes bolt-on forks

Sideshifting fork positioner

integral sideshift (via valve), bolt-on forks

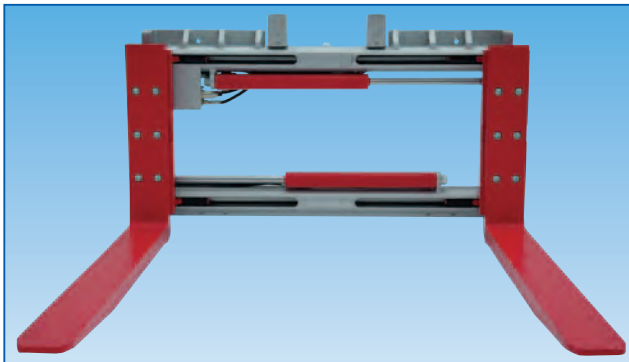
RZV-G

The **sideshifting fork positioner type RZV-G** uses stable tube guides for fork positioning. The simple design offers reliability and excellent operator visibility. The valve sideshift is depending on fork position.

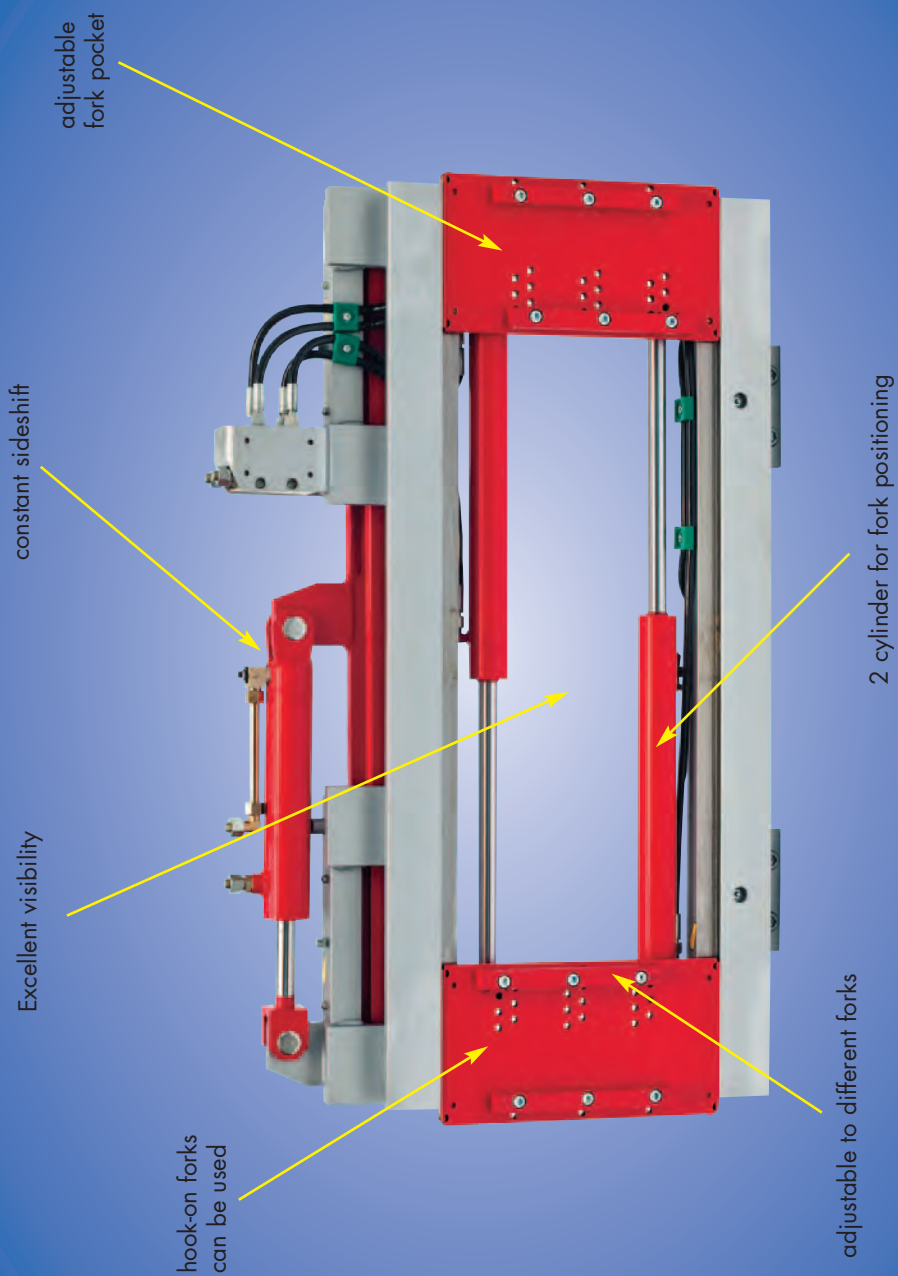


type	lift truck capacity tons	capacity kg/mm LC	ISO	B mm	opening range A mm	forks b x h x l mm	V LLC mm	ESP COG mm	weight kg
RZV 25 G	1,5-2,5	2500/500	II	980	490-1060	120x40x1200	126	220	229
				1040	490-1120		126	218	239
				1150	490-1230		126	215	252
				1350	490-1430		126	213	268
RZV 30 G	3,0	3000/500	III	1040	490-1120	125x45x1200	138	210	290
				1150	490-1230		138	205	305
				1350	490-1430		138	203	320
RZV 35 G	3,5	3500/500	III	1150	490-1230	140x50x1200	138	222	345
				1350	490-1430		138	218	360
RZV 45 G	4,0-5/500	5000/500	III	1150	490-1230	150x60x1200	153	228	435
				1350	490-1430		153	225	450
				1550	490-1630		153	220	465
RZV 60 G	5-6,0	6000/600	IV	1460	560-1560	150x70x1200	165	185	745
				1860	560-1960		165	180	810
RZV 80 G	7-8,0	8000/600	IV	2060	560-2160	200x70x1200	165	186	930
				2260	560-2360		165	183	980
				2400	560-2500		165	179	1030
RZV 100 G	8/900	8000/900	IV	2060	560-2160	200x80x1200	190	180	1120
				2260	560-2360		190	175	1180
				2400	560-2500		190	172	1210
RZV 110 G	8/1100	8000/1100	IV	2060	560-2160	200x80x1200	192	190	1186
				2260	560-2360		192	185	1242
				2400	560-2500		192	182	1272

- Includes hoses and couplings
- Clamping of goods not allowed / possible
- Includes bolt-on forks
- 2 hydraulic functions required
- Load backrest see accessories



BBU
materials handling



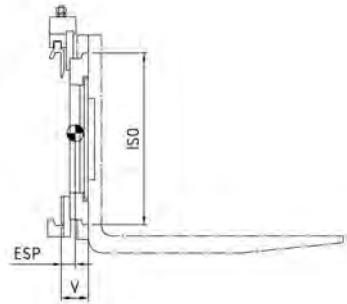
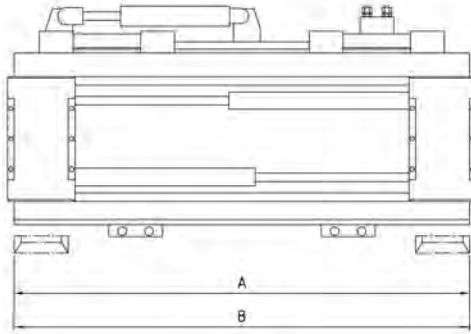
Fork positioner type SZV-S

Fork positioner

2-cylinder fork positioning with constant sideshift

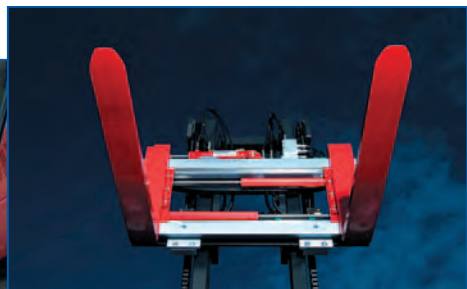
SZV-S

The fork positioner type SZV-S features fork positioning combined with constant sideshift and allows the use of standard ISO fork arms. Fork positioning is by means of two hydraulic cylinders. Optimised design ensures ideal visibility. Clamping goods is not allowed with this attachment.



type	capacity kg/mm LC	lift truck capacity tons	ISO	B mm	opening range A mm	sideshift mm	max. fork width b mm	V LLC mm	ESP COG mm	weight kg
SZV 25 S	2500/500	1,5-2,5	II	1040	320-1040	+/- 100	130	77	40	130
			II	1100	320-1100	+/- 100	130	77	41	136
			II	1150	320-1150	+/- 100	130	77	42	141
SZV 30 S	3200/500	3,0-3,5	III	1150	430-1150	+/- 100	150	82	44	170
			III	1255	430-1255	+/- 100	150	82	45	180
			III	1350	430-1350	+/- 100	150	82	46	190
SZV 45 S	5000/500	4,0-5/500	III	1150	430-1150	+/- 100	150	82	44	173
			III	1255	430-1255	+/- 100	150	82	45	183
			III	1350	430-1350	+/- 100	150	82	46	193
			III	1500	430-1500	+/- 100	150	82	47	208
			III	1660	430-1660	+/- 100	150	82	49	223
SZV 80 S	8000/600	5,0-8/600	IV	1420	560-1420	+/- 100	200	99	46	378
			IV	1600	560-1600	+/- 100	200	99	47	414
			IV	1800	560-1800	+/- 150	200	99	48	451
			IV	2000	560-2000	+/- 150	200	99	48	485

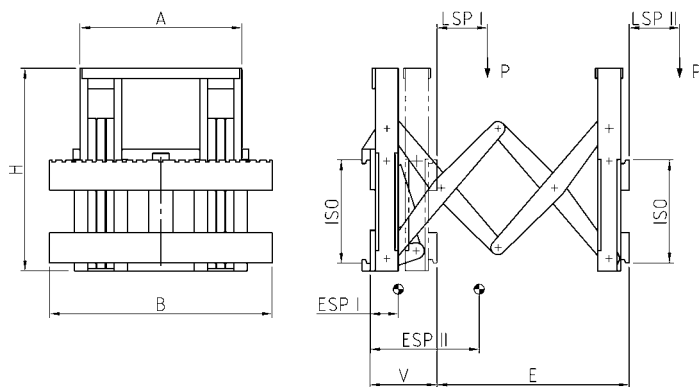
- fork arms not included
- includes hoses and coupling
- load backrest see options
- 2 hydraulic functions required
- recommended fork length up to 1600mm
- without sideshift reduce price upon request



Load extender

VGT

The **load extender VGT** enables to loading from one side of the vehicle. Its stable construction minimises service life cost. The original standard fork arms can be used.

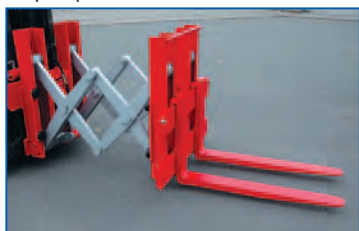


type	lift truck capacity tons	ISO back/ front	capacity retracted kg/ mm LC1	capacity extended kg/ mm LC2	B mm	A mm	H mm	stroke E mm	ESP I COG I mm	ESP II COG II mm	V LLC mm	weight kg
VGT 25	2,5	II/II	2500/500	1300/1450	980	800	1000	950	165	645	320	640
VGT 30	3,0-3,5	III/III	3000/500	1300/1450	1100	800	1000	950	180	660	330	660

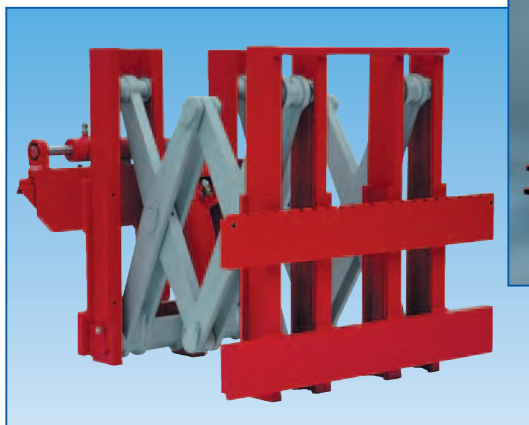
● can also be supplied with a 1200 mm stroke upon request

● with hoses and couplings

● 1 hydraulic function required



option sideshift	add on price Euro
ISO II	upon request
ISO III	upon request



BBU
materials handling

excellent view through and over
attachment

strong fork arm profiles

robust construction

constant sideshift

bolt-on forks

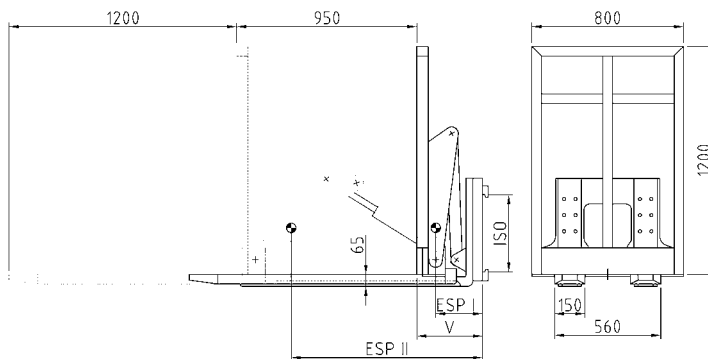
Pusher fork type SGS



Pusher fork

SGS

The **pusher fork SGS** facilitates high pallet turnover with its single side loading capability and it is robustly built for reliability throughout heavy duty use. The powerful two cylinder movement operates reliably even in dirty environment. A robust bolt on backrest and bolt on forks are standard.

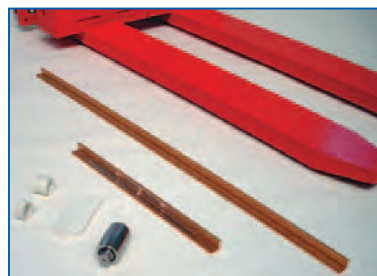


type	capacity kg/mm LC	lift truck capacity tons	ISO	stroke mm	b mm	ESP I COG I mm	ESP II COG II mm	V LLC mm	weight kg	sideshift mm
SGS 15 ZZ	2000/600	1,5-2,5	II	950	150	310	750	335	460	+/- 100
SGS 25 ZZ	2500/600	3,0-3,5	III	950	150	310	750	335	470	+/- 100
SG 15 ZZ ohne Seitenschub	2000/600	1,5-2,5	II	950	150	300	700	320	435	—
SG 25 ZZ ohne Seitenschub	2500/600	3,0-3,5	III	950	150	300	700	320	445	—

- type SGS – 2 hydraulic functions required
- type SG – 1 hydraulic function required

- includes hoses and couplings
- bolt-on forks as standard

- Type SGS features sideshift rollers

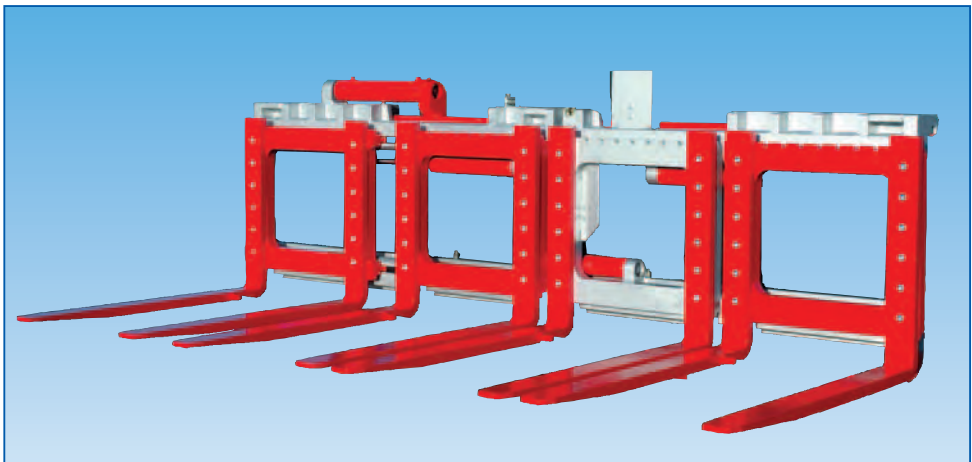


All key components are easily exchangeable with the use of bolted connections.

Multiple sideshifts

DST

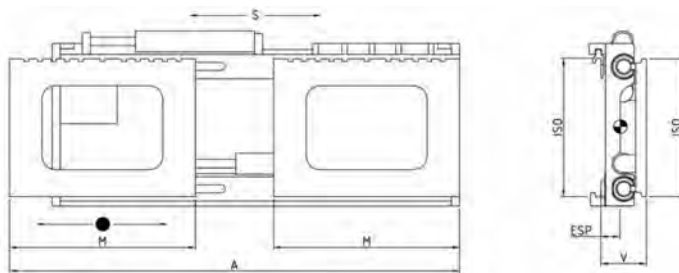
Multiple sideshifts from Durwen increase efficiency. By handling 2, 3 or 4 pallets at one time efficiency can be increased dramatically. The main sideshift is enhanced by sideshifting front plates and can be used all times to allow the joining or separating of loads or for correcting fork position. Standard hook-on forks can be used. Loads have to be equally distributed to all fork sets as off centre loading is not allowed.



Images show optional equipment: bolt-on forks

Double sideshift, 2 pallets

DST 1-0

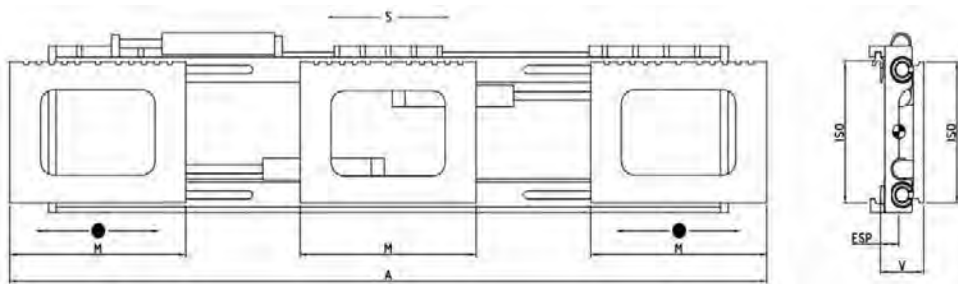


type	capacity kg/mm LC	lift truck capacity tons	ISO mm	A mm	M mm	S mm	ESP COG mm	V LLC mm	weight kg
DST 25-1-0	2500/500	2,5	II	1500-1700	720	+/- 100	81	155	275
DST 25-1-0	2500/500	2,5	II	1980-2180	980	+/- 100	84	155	315
DST 50-1-0	5000/500	5,0	III	1500-1700	720	+/- 100	83	168	345
DST 50-1-0	5000/500	5,0	III	1980-2260	980	+/- 100	87	168	395
DST 80-1-0	8000/600	8,0	IV	1500-1700	720	+/- 160	88	182	530
DST 80-1-0	8000/600	8,0	IV	1980-2260	980	+/- 160	94	182	655

- 2 hydraulic functions required
- includes hoses and couplings
- left plate fixed
- forks not included, bolt-on forks upon request

Triple sideshift, 3 pallets

DST 1-0-1

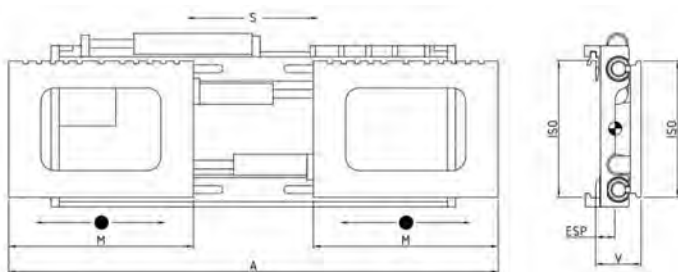


type	capacity kg/mm LC	lift truck capacity tons	ISO mm	A mm	M mm	S mm	ESP COG mm	V LLC mm	weight kg
DST 50-1-0-1	5000/500	5,0	III	2160-2720	720	+/- 100	88	168	550
DST 50-1-0-1	5000/500	5,0	III	2940-3500	980	+/- 100	92	168	615
DST 80-1-0-1	8000/600	8,0	IV	2160-2720	720	+/- 160	91	182	720
DST 80-1-0-1	8000/600	8,0	IV	2940-3500	980	+/- 160	96	182	825

- 2 hydraulic functions required
- includes hoses and couplings
- solenoid valve or flow divider to your choice
- forks not included, bolt-on forks upon request
- centre plate fixed, outer plates moving

Triple sideshift, 2 pallets

DST 1-1



type	capacity kg/mm LC	lift truck capacity tons	ISO mm	A mm	M mm	S mm	ESP COG mm	V LLC mm	weight kg
DST 25-1-1	2500/500	2,5	II	1500-1900	720	+/- 100	81	155	285
DST 25-1-1	2500/500	2,5	II	1980-2380	980	+/- 100	84	155	325
DST 50-1-1	5000/500	5,0	III	1500-1900	720	+/- 100	83	168	355
DST 50-1-1	5000/500	5,0	III	1980-2540	980	+/- 100	87	168	405
DST 80-1-1	8000/600	8,0	IV	1500-1900	720	+/- 160	88	182	530
DST 80-1-1	8000/600	8,0	IV	1980-2540	980	+/- 160	94	182	655

- 2 hydraulic functions required
- includes hoses and couplings
- forks not included, bolt-on forks upon request
- solenoid valve or flow divider to your choice both plates moving

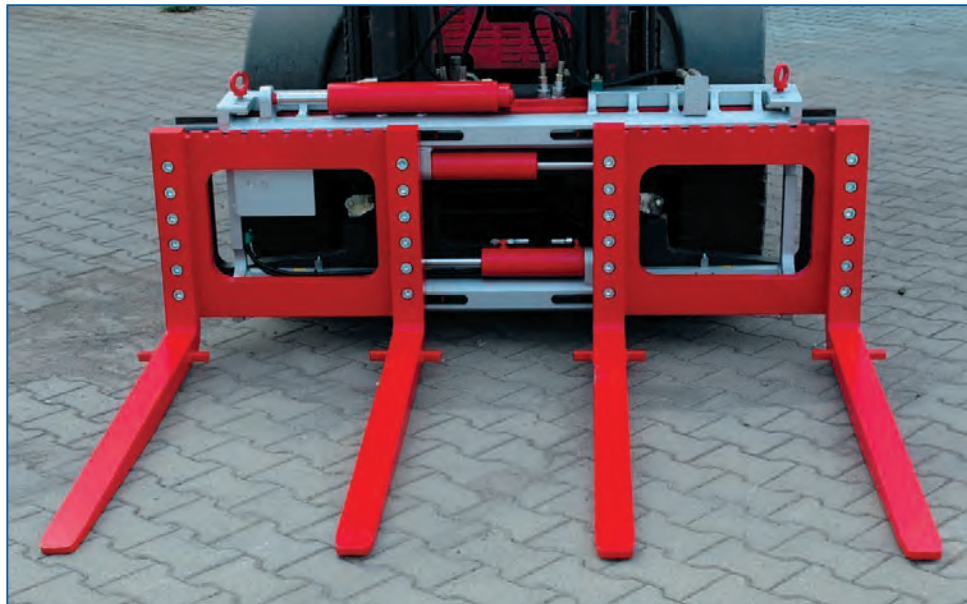
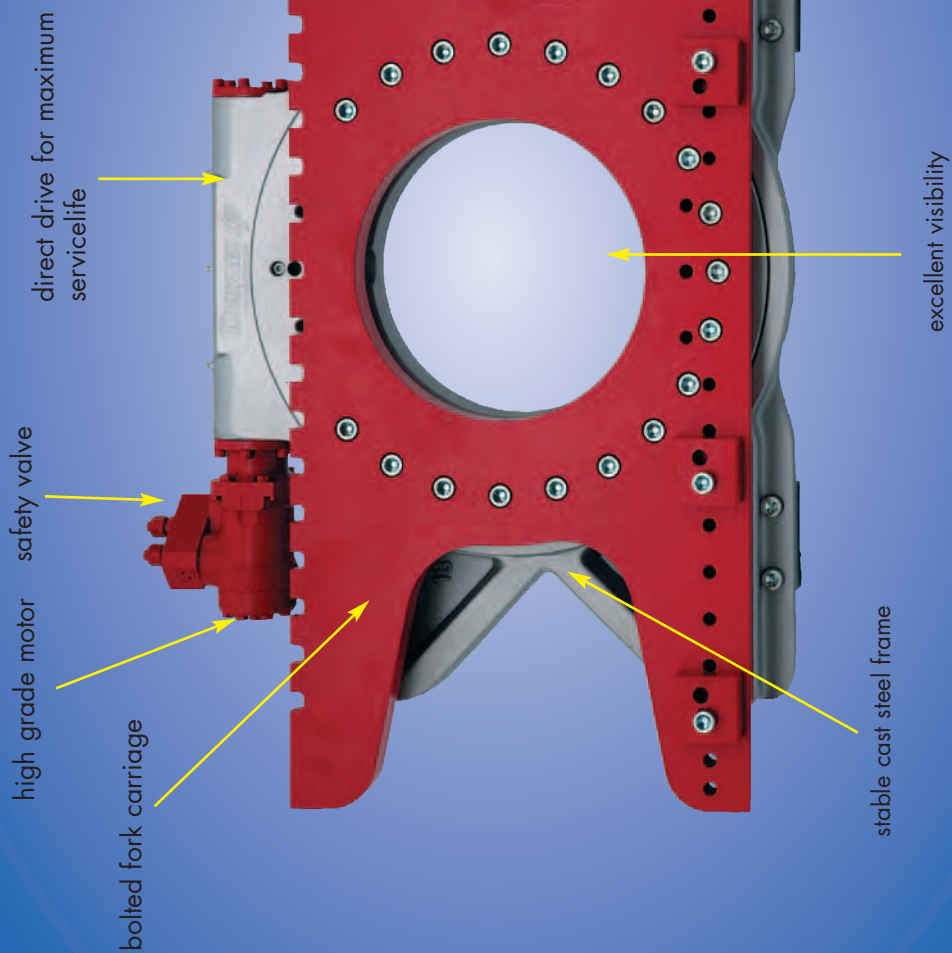


Image shows option bolt-on forks

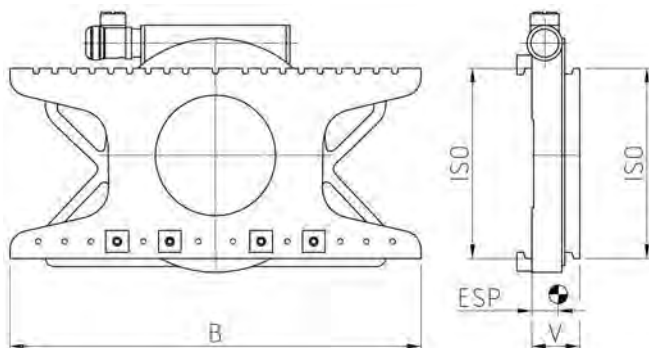


Rotator type DG

360° rotator

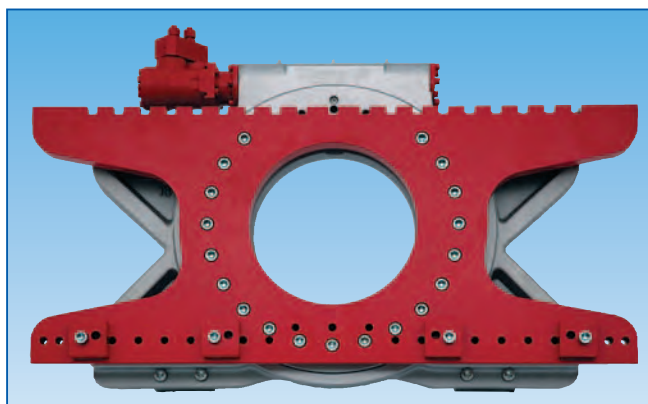
DG

The **rotator type DG** has a cast steel frame enabling compact design. The worm gear has several teeth meshing at one time thus helping to increase the service life of the attachment. A seal fitted as standard protects the rotator against the ingress of dirt and dust.



type	capacity kg/mm LC	lift truck capacity tons	ISO	width B mm	max. torque ΔP 100 bar Nm	V LLC mm	ESP COG mm	weight kg
DG 16	1600/500	1,5-1,8	II	880	4000	120	58	217
DG 20	2000/500	2,0	II	980	4000	122	60	223
DG 25	2500/500	2,5	II	1100	6600	123	58	290
DG 30	3000/500	3,0	III	1150	6600	128	63	335
DG 35	3500/500	3,5-4,0	III	1150	9300	145	70	503
DG 45	5000/500	4,5-5,0-500	III	1350	9300	148	72	520
DG 50	5000/600	5,0-600	IV	1350	9300	168	82	728
DG 60	6000/600	6,0	IV	1500	17000	170	108	845
DG 80	8000/600	7,0-8,0	IV	1750	17000	170	110	860
DG 100	8000/900	8,0/900	IV	1750	20000	185	120	930

- foundry/fishing version see page 60
- includes hoses and couplings
- 1 hydraulic function required
- hook-on forks reinforced for rotator use must be used.
- quick release hooks upon request
- technical data with sideshift upon request



Our rotators are made with high precision parts only.

DG



direct drive through worm wheel / worm gear worm



worm wheel / worm gear / main bearing



detail direct drive



rotator

Special equipment for rotators

Fishing industry version

special paint, silicone treated, zinc plated bolts, external lubricant access upon request

Foundry protection level A

motor protection against mechanical damage, external lubricant access upon request

Foundry protection level B

like level A but enhanced with a protection tube for the rotators eye, visibility not reduced upon request

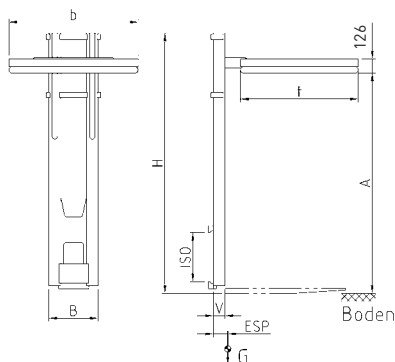
Foundry protection level C

like level A but enhanced by a closed carriage plate in front and a closed rotators eye on the backside upon request

High visibility load stabiliser

LH-B

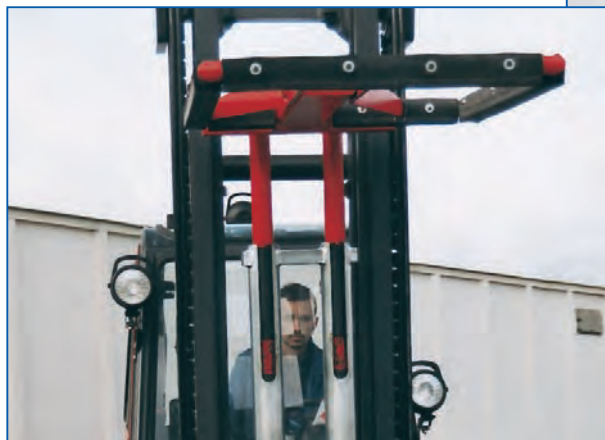
The **load stabiliser LH-B** allows the lift truck driver a high level of visibility through the integrated cylinders which are protected inside the framework. The load stabiliser is fitted with a pressure relief valve and pressure gauge as standard.



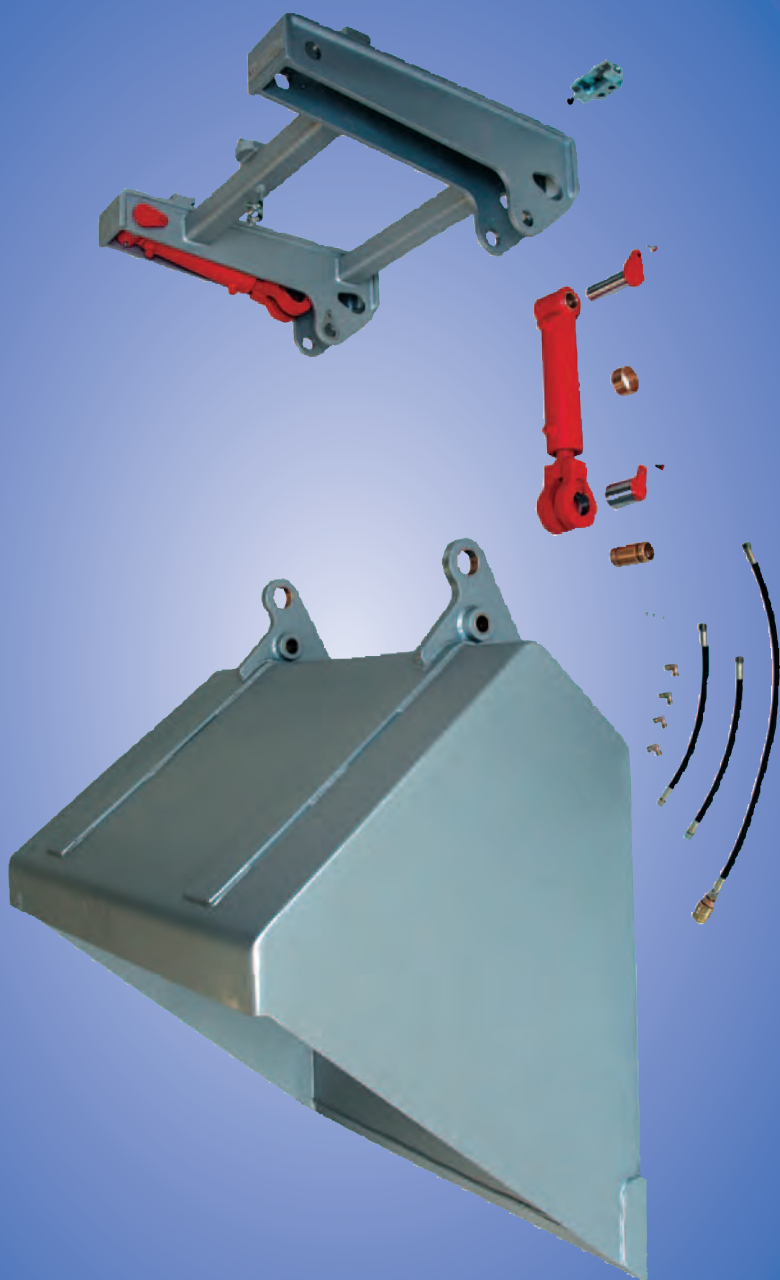
type	ISO	lift truck capacity tons	max. force 120 bar	opening range A mm	H mm	width B mm	contact plate b x t mm	V LLC mm	ESP COG mm	weight kg
LH 14-B	II/III	1,0-3,0	400 kg	890-1580	1390	300	600x1000	90	195	169
LH 15-B	II/III	1,0-3,0	400 kg	1000-1800	1500	300	600x1000	90	194	175
LH 16-B	II/III	1,0-3,0	400 kg	1100-2000	1600	300	600x1000	90	193	180
LH 17-B	II/III	1,0-3,0	400 kg	1200-2200	1700	300	600x1000	90	191	185
LH 18-B	II/III	1,0-3,0	400 kg	1300-2400	1800	300	600x1000	90	190	190
LH 19-B	II/III	1,0-3,0	400 kg	1400-2600	1900	300	600x1000	90	188	195
other sizes upon request										
LH 18-TB*	II/III	1,0-3,0	400 kg	1100-2600	1800	680	600x1000	171	200	480

* version TB: telescopic version for a large opening combined with small closed height, reduced visibility through the range of mast profiles and fork carriage plates.

- 1 hydraulic function
- includes pressure relief valve and pressure gauge
- other sizes upon request



BBU
materials handling



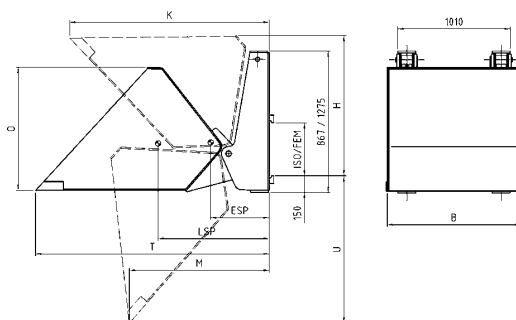
Hydraulic bucket SCH, LSCH

Hydraulic bucket

for agricultural goods

LSCH

The hydraulic bucket LSCH is ideal for loose and easy flowing materials e.g. grain, pulses and artificial fertiliser. A high volume, narrow bucket is very important when discharging into a small funnel or silo.



2 cylinder hydraulic bucket, max. specific weight 2500 kg / 1 m³

type	volume m ³	ISO	B mm	M mm	T mm	H mm	K mm	U mm	O mm	LC mm	ESP COG mm	weight kg
LSCH 2Z 06	0,6	II/III	1250	1000	1600	870	1420	920	850	820	400	400
LSCH 2Z 08	0,8	II/III	1250	1105	1825	995	1535	1055	880	900	430	440
LSCH 2Z 10	1,0	II/III	1250	1210	1930	1100	1640	1160	980	950	460	480
LSCH 2Z 12	1,2	III	1500	1230	1950	1120	1660	1280	1005	980	530	510

2 cylinder high volume hydraulic bucket, max. specific weight 2500 kg / 1 m³

type	volume m ³	ISO	B mm	M mm	T mm	H mm	K mm	U mm	O mm	LC mm	ESP COG mm	weight kg
LSCH 2Z 16	1,6	III	1500	1260	2100	1270	1800	1330	1110	820	620	790
LSCH 2Z 20	2,0	III/IV	2000	1260	2100	1270	1800	1330	1110	820	650	880
LSCH 2Z 25	2,5	III/IV	2500	1260	2100	1270	1800	1330	1110	820	690	990
LSCH 2Z 30	3,0	IV	2500	1360	2200	1370	1900	1440	1220	820	690	990

- backside height of frame 1270, width 1120 for 1,6 m³ and bigger.
- includes hoses and couplings

- 1 hydraulic function required
- quick release hooks upon request



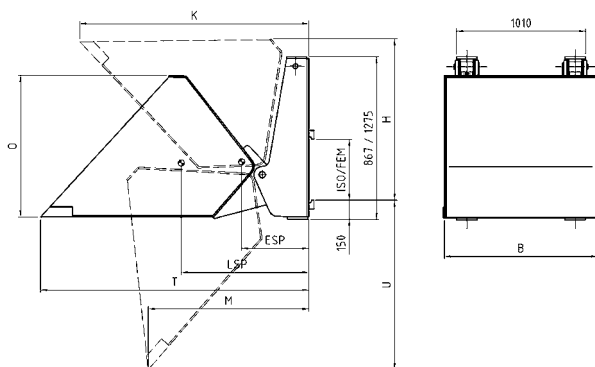
BBU
materials handling

Hydraulic bucket

for general bulk materials

SCH/SCH V

The **hydraulic bucket SCH** is made for materials like sand, gravel, chipping etc. The bucket must be wider than the forklift truck.



2 cylinder hydraulic bucket, max. specific weight 2500 kg / 1 m³

type	volume m ³	ISO	B mm	M mm	T mm	H mm	K mm	U mm	O mm	LC mm	ESP COG mm	weight kg
SCH 2Z 04	0,4	II	1250	720	1420	690	1240	740	670	610	310	350
SCH 2Z 06	0,6	II/III	1500	800	1500	770	1320	820	750	750	360	400
SCH 2Z 08	0,8	II/III	1800	845	1545	815	1365	865	795	770	380	450
SCH 2Z 10	1,0	III	2000	900	1600	870	1420	920	850	820	420	480

- quick release hooks upon request

2 cylinder reinforced hydraulic bucket, max. specific weight 3000 kg / 1 m³

type	volume m ³	ISO	B mm	M mm	T mm	H mm	K mm	U mm	O mm	LC mm	ESP COG mm	weight kg
SCHV 2Z 06	0,6	II/III	1500	960	1600	870	1420	920	850	750	410	460
SCHV 2Z 08	0,8	II/III	1800	945	1645	915	1465	965	895	770	440	510

- includes hoses and couplings
- 1 hydraulic function required
- quick release hooks upon request

Examples for specific weight :
 Coal 1000 kg / 1m3
 Sand, gravel 2000 kg / 1m3
 Loam, clay 2100 kg / 1m3
 Concrete 2200 kg / 1m3



BBJ
materials handling

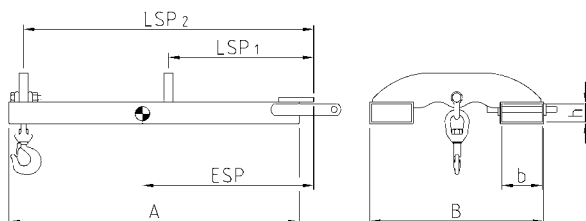
Crane jib

Fixed length, fork mounted

- Rapid mounting

- 2 Hook positions

- Secured by fork retaining bolts (safer with swinging load)



type	lift truck capacity tons	LSP 1 LC 1 mm	LSP 2 LC 2 mm	capacity kg/mm LSP			A mm	B mm	weight kg	ESP COG mm	fork section max. b x h mm
				500	600	1000 1200					
KFG 25	1,5-2,5	500	1000	2500	—	1650 —	1000	600	69	590	125 x 50
KFG 45	3,0-4,5	600	1200	—	4500	— 2900	1200	620	84	670	140 x 60
KFG 80	5,0-8,0	600	1200	—	8000	5300	1200	660	137	730	150 x 70

- higher capacities upon request

- one hook standard, more hooks upon request

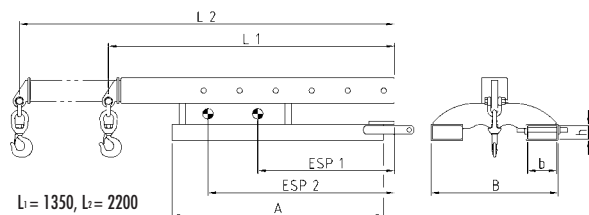
Crane jib

Mechanical telescopic from 1350–2200 mm
- fork mounted

- Rapid mounting

- 8 Hook positions

- Secured by fork retaining bolts (safer with swinging load)



type	lift truck capacity tons	capacity kg/mm LSP						A mm	B mm	weight kg	ESP I	ESP II	fork section max. b x h mm
		500	600	1000	1200	1350	2200				mm	mm	
KFTG 25	1,5-2,5	2500	—	1650	—	1350	920	1000	600	135	645	880	125 x 50
KFTG 45	3,0-4,5	—	4500	—	2900	2650	1800	1200	620	180	690	925	140 x 60
KFTG 80	5,0-8,0	—	8000	—	5300	4920	3420	1200	660	260	730	955	150 x 70

- secured by fork retaining bolts (safer with swinging load)

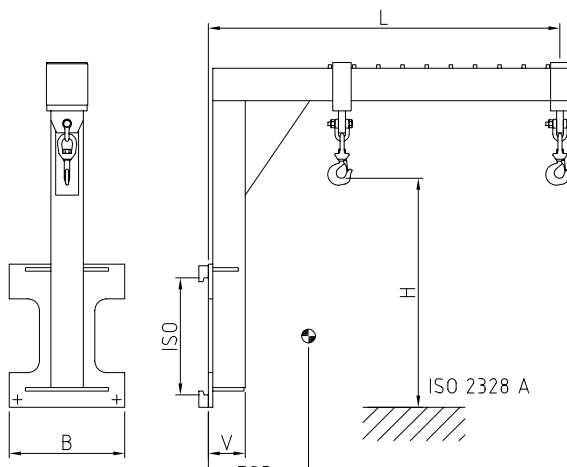
- higher capacities upon request
- one hook standard, more hooks upon request

Crane jib

Fixed length, hook adjustable

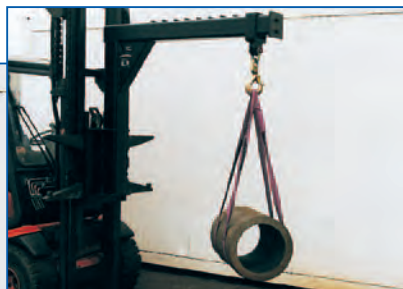
The crane jib KF is suitable for various jobs e.g. if access to goods is only from the top. The swivel hook with integral securing flap allows for safe transportation of goods.

KF



type	lift truck capacity tons	length L mm	capacity kg/mm LSP					hook height H mm	thickness LLC mm	weight kg	ESP COG mm	width mm	ISO
			500	600	800	1000	1200						
KF 25	1,5-2,5	1200	2500	2250	1920	1650	1470	1000	150	140	330	400	II
KF 30	3,0-3,5	1200	3000	2700	2300	2000	1760	1000	160	165	320	500	III
KF 45	4,0-5/500	1200	—	4500	3800	3300	2900	1000	185	190	330	500	III
KF 60	5,0-6,0	1200	—	6000	5150	4500	4000	1200	260	295	360	600	IV
KF 80	7,0-8,0	1200	—	8000	6850	6000	5300	1200	280	340	320	600	IV
KF 100	8/900	1200	—	10000	8780	7830	7070	1200	350	510	380	800	IV

- higher capacities upon request
- one hook standard, more hooks upon request

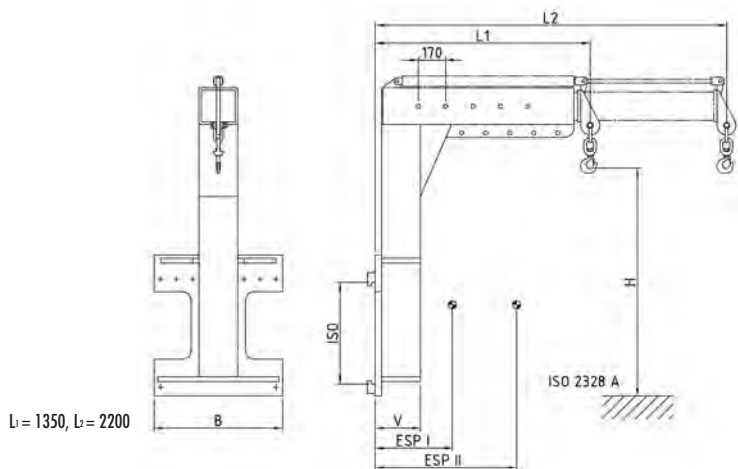


Crane jib

Mechanical telescopic (option: hydraulic)

KFT

The **crane jib KFT** has a telescopic jib that enables the hook to be extended to pick up goods over increased distances and can be retracted to shorten the turning radius of the truck.



L₁ = 1350, L₂ = 2200

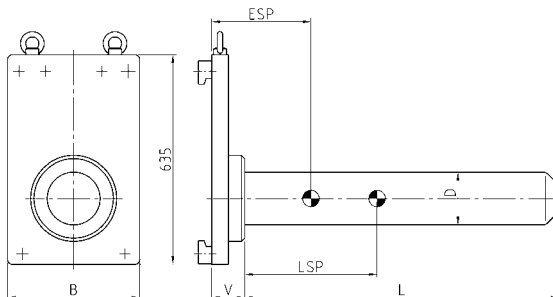
type	lift truck capacity tons	hook height H mm	thickness LLC mm	ISO	width mm	ESP I COG I mm	ESP II COG II mm	weight kg
KFT 25	1,5-2,5	1000	150	II	400	390	640	180
KFT 30	3,0-3,5	1000	160	III	500	400	650	265
KFT 45	4,0-5/500	1000	200	III	500	410	680	290
KFT 80	6,0-8,0	1200	280	IV	600	425	650	495

- higher capacities upon request
- one hook standard, more hooks upon request
- standard mechanical telescopic
- increased telescope ranges upon request
- includes hoses and couplings

type	capacity kg/mm LC				
	500	600	1000	1350	2200
KFT 25	2500	2250	1650	1350	920
KFT 30	3000	2700	2000	1620	1100
KFT 45	—	4500	3300	2650	1800
KFT 80	—	8000	6000	4920	3420

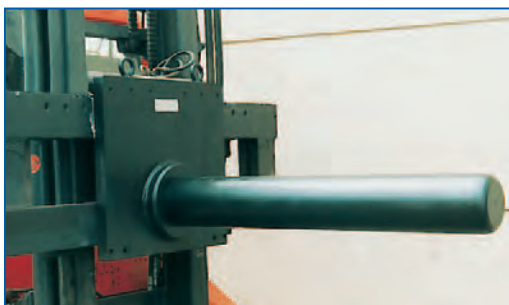


The Boom TD is used for transporting rolls, tubes or coils.



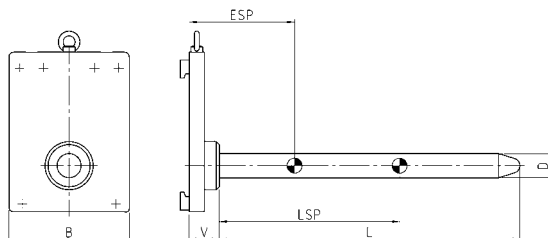
type	length L mm	diameter D mm	capacity					B mm	V LLC mm	ESP COG mm	weight kg	ISO
			500	600	800	kg/mm 1000	LSP (LC) 1500 2000					
TD-30	1000	160	3000	2730	2300	—	—	500	80	160	170	III
TD-30	2000	160	3000	2730	2300	2000	1500			482	220	III
TD-30	3000	160	3000	2730	2300	2000	1500 1200			870	270	III
TD-45	1000	195	4500	4090	3460	—	—	500	80	180	205	III
TD-45	2000	195	4500	4090	3460	3000	2250			480	260	III
TD-45	3000	195	4500	4090	3460	3000	2250 1800			855	315	III
TD-60	1000	220	6000	5140	—	—	—	600	120	155	308	IV
TD-60	2000	220	6000	5140	4500	3400	—			477	395	IV
TD-60	3000	220	6000	5140	4500	3400 2750	—			850	490	IV
TD-80	1000	220	8000	6850	—	—	—	600	120	170	415	IV
TD-80	2000	220	8000	6850	6000	4570	—			495	535	IV
TD-80	3000	220	8000	6850	6000	4570 3690	—			884	655	IV
TD-120	1000	300	12000	10500	—	—	—	800	140	145	580	Pin- typ
TD-120	2000	300	12000	10500	9300	7300	—			400	700	Pin- typ
TD-150	1000	360	15000	13210	—	—	—	800	160	135	760	Pin- typ
TD-150	2000	360	15000	13210	11600	9100	—			408	926	Pin- typ
TD-200	1000	420	20000	17600	—	—	—	1000	160	140	1050	Pin- typ
TD-200	2000	420	20000	17600	15700	12500	—			380	1247	Pin- typ

- higher capacities upon request
- fork mounted boom upon request
- quick release hooks upon request
- Terminal West mounting upon request



Carpet boom

30 TTD



type	diameter mm	length mm	capacity ... kg/mm LSP (LC)								B mm	V mm	ESP mm	weight kg	ISO
			500 mm	1000 mm	1250 mm	1500 mm	1750 mm	2000 mm	2250 mm	2500 mm					
30 TTD	60	2000	1285	640	515	430	370	320	285	260	400	100	360	130	II
30 TTD	60	3000	1285	640	515	430	370	320	285	260	400	100	675	152	II
30 TTD	60	4000	1285	640	515	430	370	320	285	260	400	100	1035	174	II
30 TTD	70	2000	2040	1020	815	680	580	510	455	410	400	100	430	145	II
30 TTD	70	3000	2040	1020	815	680	580	510	455	410	400	100	785	175	II
30 TTD	70	4000	2040	1020	815	680	580	510	455	410	400	100	1180	205	II
30 TTD	75	2000	2510	1255	1005	835	720	630	560	500	400	100	465	155	II
30 TTD	75	3000	2510	1255	1005	835	720	630	560	500	400	100	840	190	II
30 TTD	75	4000	2510	1255	1005	835	720	630	560	500	400	100	1250	225	II
30 TTD	80	2000	3040	1520	1220	1015	870	760	680	610	400	100	405	205	III
30 TTD	80	3000	3040	1520	1220	1015	870	760	680	610	400	100	750	245	III
30 TTD	80	4000	3040	1520	1220	1015	870	760	680	610	400	100	1135	285	III
30 TTD	90	2000	4100	2005	1605	1340	1145	1000	890	800	400	100	460	225	III
30 TTD	90	3000	4100	2005	1605	1340	1145	1000	890	800	400	100	830	275	III
30 TTD	90	4000	4100	2005	1605	1340	1145	1000	890	800	400	100	1240	325	III
30 TTD	100	2000	5500	2750	2200	1830	1570	1375	1220	1100	600	120	400	324	IV
30 TTD	100	3000	5500	2750	2200	1830	1570	1375	1220	1100	600	120	735	386	IV
30 TTD	100	4000	5500	2750	2200	1830	1570	1375	1220	1100	600	120	1120	448	IV
30 TTD	120	2000	7800	3900	3120	2600	2230	1950	1735	1560	600	120	485	378	IV
30 TTD	120	3000	7800	3900	3120	2600	2230	1950	1735	1560	600	120	870	467	IV
30 TTD	120	4000	7800	3900	3120	2600	2230	1950	1735	1560	600	120	1290	556	IV

- length of the boom should be 70% of the length of the roll
- lengths of more than 4000 mm upon request
- quick release hooks see accessories

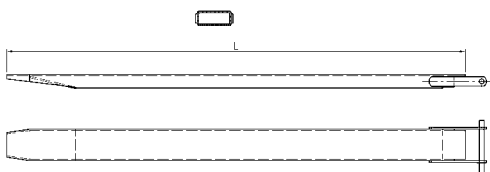


Fork extension

Closed section

GVS

The fork extension GVS has a closed section and is used where high capacities are needed. They are made from high tensile steel plate. The fork extensions are kept in place by a retaining bolt. The length of the fork has to be minimum 60 % of the length of the extensions e. g. extensions 2 000 mm x 0.6 = minimum fork length = 1 200 mm.



Triple safety

type	fork section b x h mm	external Dimensions b x h mm	capacity kg/mm LSP/set	price per set Euro / length					
				1200	1500	1600	1800	2000	2200 2400
GVS 10 A	80x40 80x50	102x62 102x72	1500/500	upon request					
GVS 10 B	100x30 100x40	122x52 122x52	2000/500	upon request					
GVS 20 A	100x45 100x50	122x67 122x72	3000/500	upon request					
GVS 20 B	120x40 120x45	142x62 142x67	3000/500	upon request					
GVS 30 A	125x40	147x62	3000/500	upon request					
GVS 30 B	125x45 120x50 125x50	147x67 142x72 147x72	3500/500	upon request					
GVS 40 A	130x50 140x50	152x72 162x72	4000/500	upon request					
GVS 40 B	150x40 150x45 150x50	172x62 172x67 172x72	4500/500	upon request					
GVS 50	130x60 150x60	156x86 176x82	5000/600	upon request					
GVS 60	150x65 150x70	176x91 176x96	6000/600	upon request					
GVS 80	200x60 200x70	226x86 226x96	8000/600	upon request					
GVS 100	200x80	226x106	8000/900	upon request					



- higher capacities or lengths upon request.

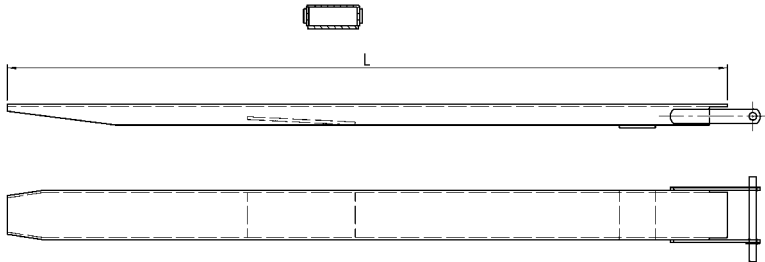
BBJ
materials handling

Fork extension

GVL

Open section

The fork extension GVL has a half open section and is used where loads have large volume but small weight. They are made of high tensile steel plate. The fork extensions are kept in place by a retaining bolt. The length of the fork has to be minimum 60% of the length of the extensions e. g. extensions 2 000 mm x 0.6 = minimum fork length = 1 200 mm.



type	for fork section b x h mm	external Dimensions b x h mm	capacity kg/mm LC/set	price per set Euro / length				
				1200	1500	1600	1800	2000
GVL 10 A	80x40 80x50	102x62 102x72	900/500	upon request				
GVL 10 B	100x30 100x40	122x62 122x62	1200/500	upon request				
GVL 20 A	100x45 100x50	126x71 126x76	1500/500	upon request				
GVL 20 B	120x40 120x45	146x66 146x71	1800/500	upon request				
GVL 30 A	125x40 125x45	151x66 151x71	2100/500	upon request				
GVL 30 B	120x50 125x50 130x50	146x76 151x76 156x76	2100/500	upon request				
GVL 40 A	140x50	166x76	2400/500	upon request				
GVL 40 B	130x60 150x40 150x45 150x50	156x86 176x66 176x71 176x76	2400/500	upon request				

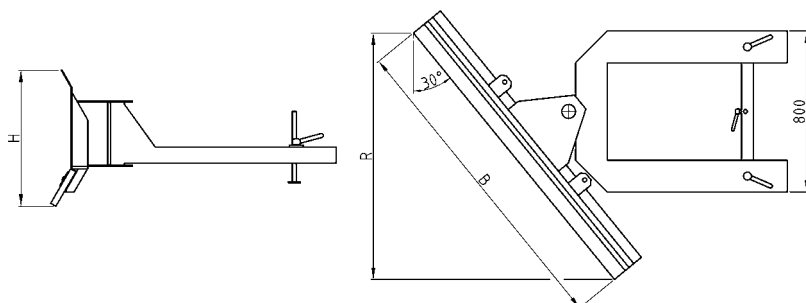


● other fork sections or lengths upon request.

Snow plough

SSV/SSF

The fork mounted snow plough SSV and SSF turns your forklift into a snow plough.
The plate swivels 30° right and left.



Type SSV with a wear resistant rubber blade. The rubber minimizes noise and damage to yard surface.
The rubber blade compensates for unsmooth surfaces.

type	width B mm	swivel width R mm	height H mm	ESP COG mm	weight kg	fork section max. b x h mm
SSV 16	1600	1400	680	1040	150	140x60
SSV 18	1800	1560	680	1050	170	140x60
SSV 20	2000	1750	680	1060	190	140x60



Type SSF has steel flaps. The flaps are sprung loaded and flip up for obstructions.

type	width B mm	swivel width R mm	height H mm	ESP COG mm	weight kg	fork section max. b x h mm
SSF 16	1600	1400	630	1030	170	140x60
SSF 18	1800	1560	630	1040	200	140x60
SSF 20	2000	1750	630	1050	230	140x60



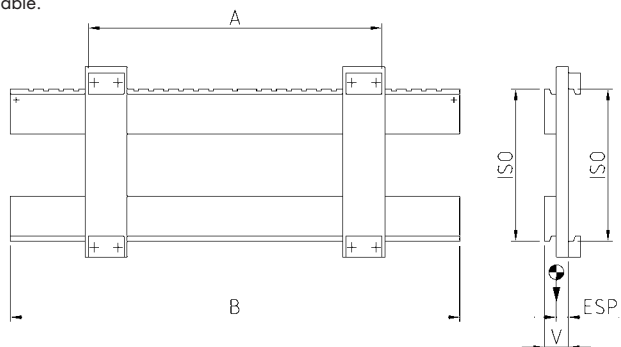
- option fixed at 0° 60,- Euro
- option hydraulic plate adjustment 700,- Euro
- option fork pockets for bigger forks (max 180x70) upon request



Variable carriage

VG

The **variable carriage VG** is a hook on carriage that can be mounted on to the lift truck carriage. It can be ordered in various widths and provides increased fork spread. Models combining different ISO / FEM classes are also available.



type	capacity kg	LC mm	B mm	A mm	ISO	V LLC mm	ESP COG mm	weight kg
VG 25	2500	500	1000	800	II	70	31	80
VG 30	3000	500	1000	800	III	75	44	125
VG 45	5000	500	1200	1000	III	90	46	165
VG 60	6000	600	1200	1000	IV	110	64	315
VG 80	8000	600	1500	1200	IV	120	65	380

* width more than 2 meters upon request

Variable carriages for combining different ISO classes.

type	capacity kg	LC mm	B mm	A mm	ISO back/ front	V LLC mm	ESP COG mm	weight kg
VG 30 R	2500	500	1200	1000	III/II	80	44	138
VG 50 R	4500	500	1200	1000	IV/III	110	62	190

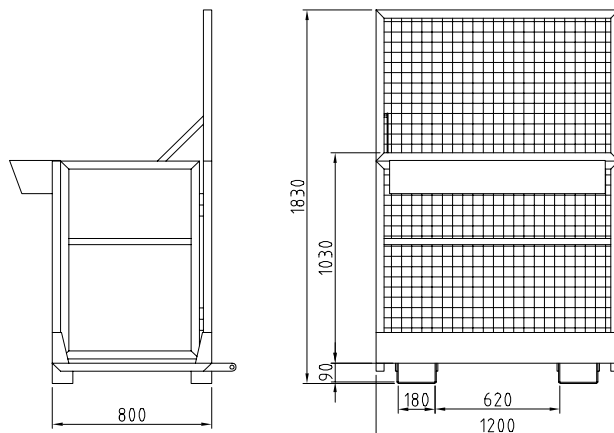
* width more than 2 meters upon request



Working platform

AB

The working platform AB is ideal for maintenance and installation work. The working platform is secured with retaining bolts. It includes as standard a flip up tool storage tray as well as a folding rear frame. TÜV-certificated and according to the German UVV-Regulation only. Using in other countries may not be allowed.



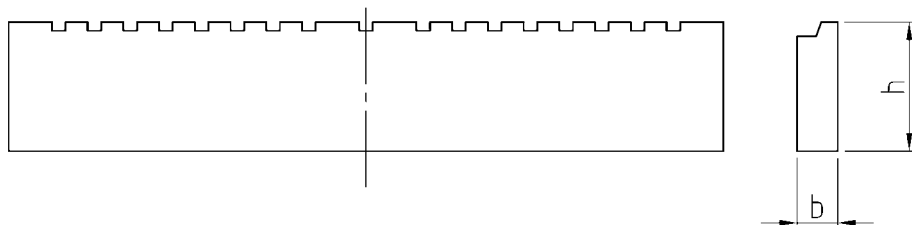
type	capacity kg	weight kg	add on price for bottom rollers Euro
AB	300	125	upon request



ISO profile

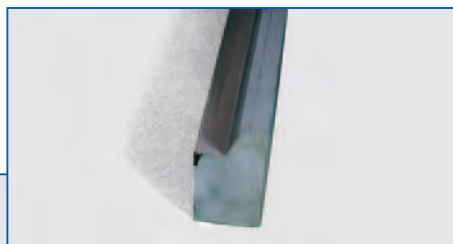
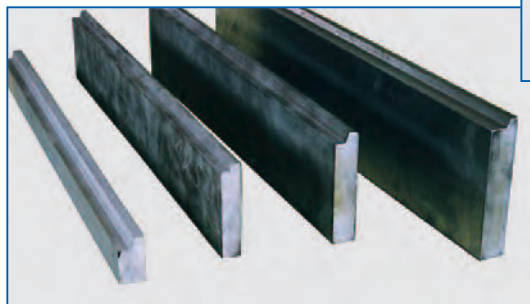
G

We can deliver ISO profile in three ISO classes and up to 3 m length.



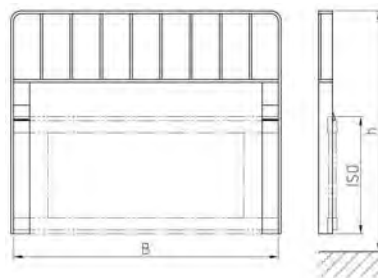
type	ISO	h mm	b mm	weight kg/mtr.	add on price per meter Euro	
					lower no slots	upper with slots
G 22	II	130	30	29	upon request	
G 23	II	140	30	34	upon request	
G 25	II	150	35	40	upon request	
G 26	II	140	40	46	upon request	
G 31	III	140	50	52	upon request	
G 32	III	180	40	55	upon request	
G 42	IV	180	60	79	upon request	

- other sizes upon request
- larger quantities upon request



Load backrest for sideshift

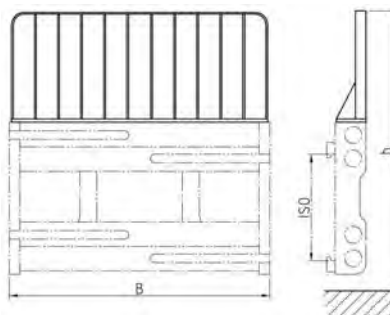
type	ISO	width B mm	height* h mm
LS-G 25	II	920	1000
		1020	1000
		1100	1000
		1150	1000
LS-G 45	III	1150	1200
		1350	1200
LS-G 80	IV	1420	1500
		1800	1500



Load backrest for clamp

for PGK, UZ, UVP, DGK, UZV-C, ZVP, RZV, RZV-G

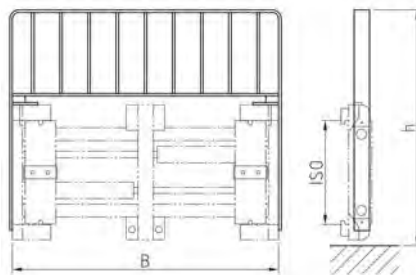
type	ISO	width B mm	height* h mm
LS-K 25	II	920-1100	1000
		1150-1350	1000
LS-K 45	III	1040-1150	1200
		1220-1350	1200
LS-K 80	IV	1420-1800	1500
		1850-2400	1500



Load backrest for fork positioner

for WZV, WZV-G, ZVR, ZVI, SZV

type	ISO	width B mm	height* h mm
LS-ZV 25	II	920-1040	1000
		1100-1350	1000
LS-ZV 45	III	1040-1100	1200
		1150-1350	1200
LS-ZV 80	IV	1420-1800	1500
		2000-2200	1500



* ISO 2328-A

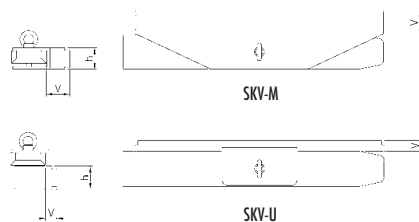
Slip on arms

Div.

These arms are ideal to be used in conjunction with Durwen fork clamps. They allow safe transportation of barrels, bales etc. The arms are pivoted on the forks.

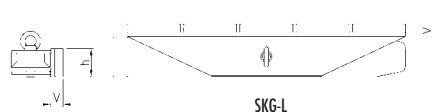
Building material slip-on arms (vulkan faced).

type	length L mm	h mm	V LLC mm	G kg
SKV-M	1000	90	90	88
SKV-U	1000	90	60	92



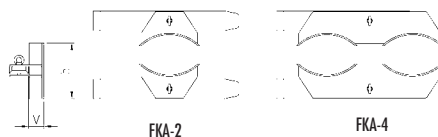
Building material slip-on arms (rubber faced plates).

type	length L mm	h mm	V LLC mm	G kg
SKG-L	1000	100	60	70
SKG-H	1000	190	60	86



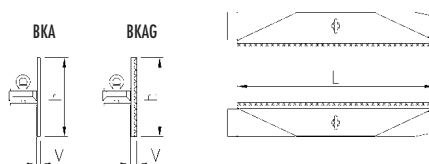
Slip-on arms for drums.

type	length L mm	h mm	V LLC mm	G kg
FKA-2	1-2	130	200	26
FKA-4	2-4	130	200	76



Slip-on arms for bales. BKAG rubber faced

type	length L mm	h mm	V LLC mm	G kg
BKA	800	400	30	100
BKAG	800	400	40	108



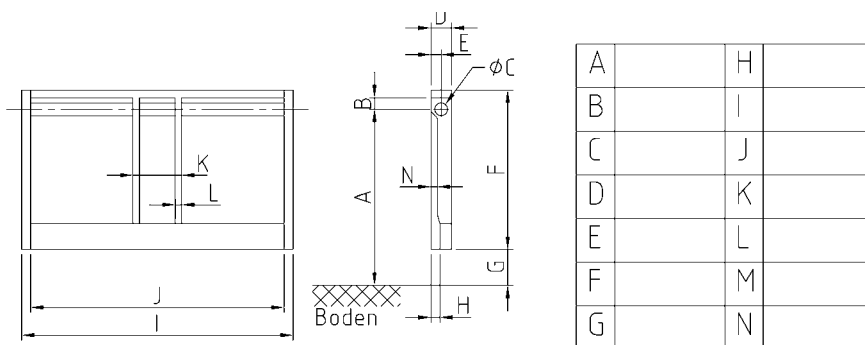
Accessories

item	remarks
2 hoses with couplings	length (600/800/1000 mm)
Pressure gauge	20-200 bar
Stage pressure relief valve	3 pressure levels adjustable
Pressure relief valve	30-150 bar
Hooks FEM/ISO/ITA II	set includes 2 upper + 2 lower hooks
Hooks FEM/ISO/ITA III	set includes 2 upper + 2 lower hooks
Hooks FEM/ISO/ITA VI	set includes 2 upper + 2 lower hooks
Lower quick release hooks ISO II	class 2
Lower quick release hooks ISO III	class 3
Lower quick release hooks ISO IV	class 4
Solenoid valve 12, 24 or 48 Volt	indicate voltage
Socket and plug	connects lift truck to valve
Lever head with microswitch	inside thread M10
automatic lubrication for: sideshift, bottom and top bearings sideshift, top bearings only	DPK 16-30 DPK 35-80/DRPK/SPK

Lift truck carriages

For mounting attachments usually lift truck carriages conforming to the ISO 2328 are used. Durwen attachments are delivered to fit those as standard. Alternative hook-on versions can be delivered as option. Consult Durwen.

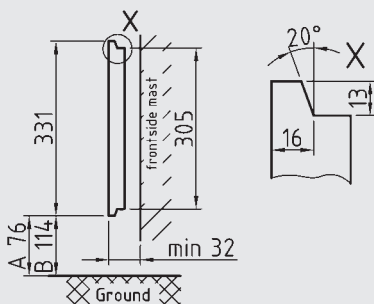
Drawings showing the carriage details are needed to make such custom designed mounting. The below placed sketch can be helpful.



Lift truck carriage standards

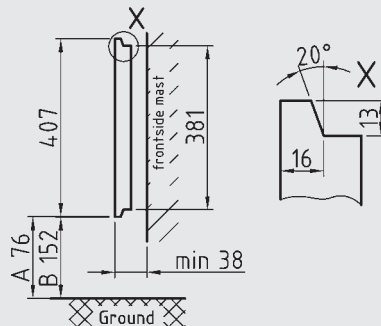
ISO 2328 class I

max. capacity 999 kg



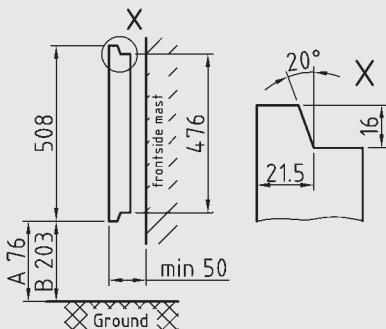
ISO 2328 class II

max. capacity 1000 – 2500 kg



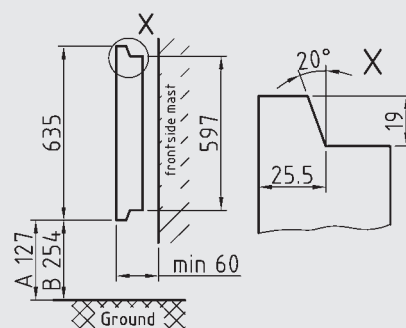
ISO 2328 class III

max. capacity 3000 – 4999 kg



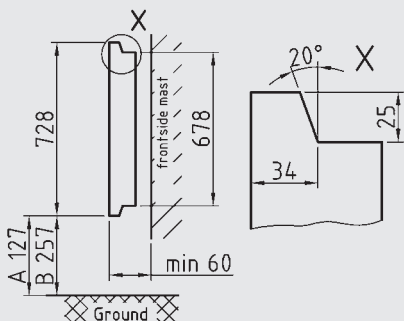
ISO 2328 class IV

max. capacity 5000 – 8000 kg



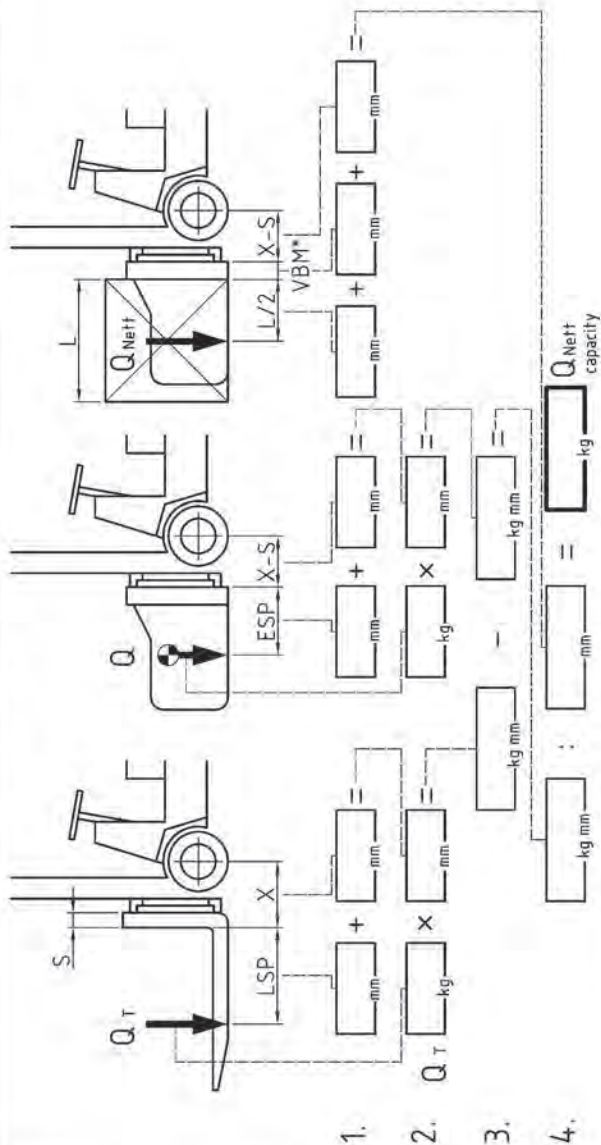
ISO 2328 class V

max. capacity 8001 – 10 000 kg



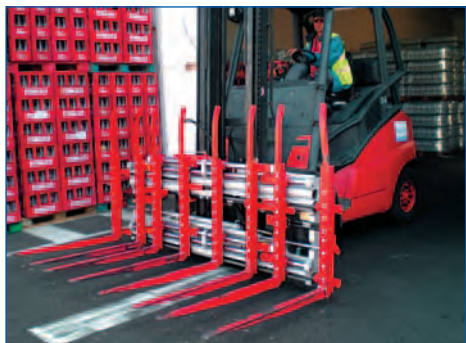
Capacity calculation

Name : _____ Date : _____
 Net capacity for : Lifttruck make: _____ Modell : _____ Truck cap. Q_T : _____ Kg
 at load centre LC (LSP) : _____ mm Distance front wheel centre - fork face X : _____ mm
 Attachment data : Make : _____ Type : _____ Capacity : _____ Kg at LC : _____ mm
 Load centre LLC (VBM) : _____ mm COG (ESP) : _____ mm Attachment mass Q_A : _____ kg



* Please add for attachments with forks the fork thickness.

Important remark : Formulas can give you a good estimate of how capacity will be affected. But in fact the residual capacity of the lift truck / attachment combination must be determined according to the instructions of the Lift Truck Manufacturer (EEC Directive 98/37).



multiple pallet handler for 2/3/4 pallets VPK-C



tube handler type TDV 80-SI



high visibility load stabiliser type LH



hydraulic backrest



paper roll clamp type PRK 60



triple sideshift type DST



SPK with hydraulic backrest



triple pallet handler with load extender



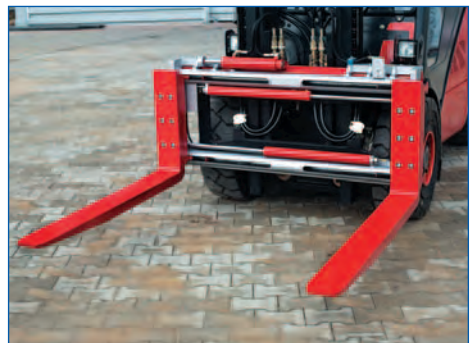
fork positioner WZV



hydraulic bucket



DPK 80-C with load stabiliser



RZV-GS