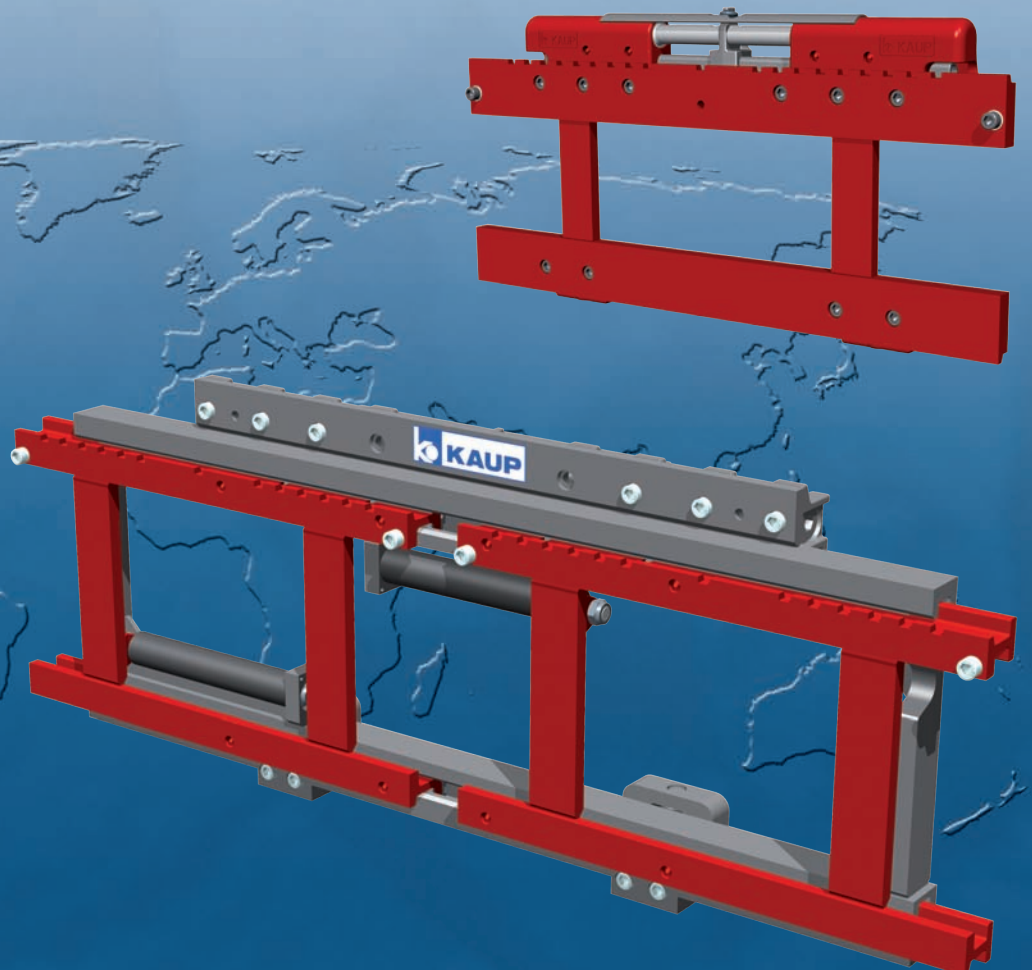




Helping hands for your Forklift truck

Sideshifters Integrated Sideshifters Multi Sideshifters

T151P4 · T151P2 · T151I · T252B · T253B



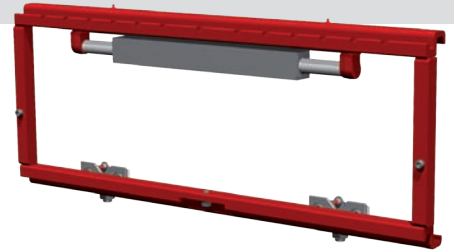
T151 · T252 · T253

The sideshifter allows lateral shift of the load, taking the truck capacity into account, of ± 100 up to ± 160 mm. This allows the driver to position the transport goods with millimetre precision crosswise to direction of travel and increases the efficiency of the forklift truck.

A special version, the container sideshifter, features increased sideshift strokes.

Sideshifter Standard Model T151P4N

- Maximum residual capacity due to minimum weight and minimum lost load centre
- Maximum visibility
- Equal shifting force and speed to both directions
- Extremely quick and simple installation
- Adjustable play between T151P4N and fork carriage
- Minimum of service required – quick and simple exchange of all wear and tear parts
- **QUICKSEAL** cylinder design
- Connection on fork carriage with greasable **EASYSLIDE** sliding pads



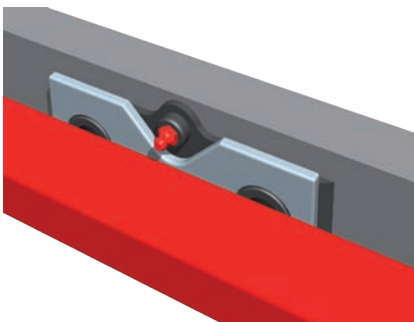
QUICKSEAL cylinder design

Patented system for quick exchange of seal kits without tools.



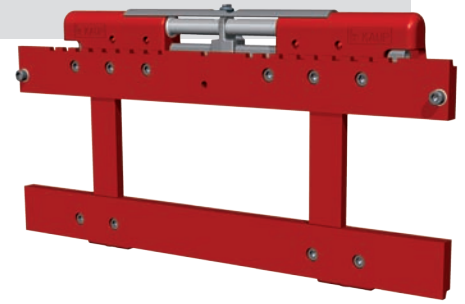
EASYSLIDE sliding pads

Greasable, highly wear resistant sliding pads with excellent sliding characteristics.



Sideshifter High-Performance Model T151P2

- Designed for extremely tough operations
- Protected piston rods
- Fork length unrestricted within maximum capacity of the forklift truck
- Construction widths available up to 3.500 mm
- High visibility
- Equal shifting force and speed to both directions
- Quick and easy installation
- **SOFTSTOP** end-of-stroke slow-down
- **SMOOTHROLL** bottom brackets



SOFTSTOP end-of-stroke slow-down

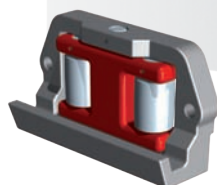
End-of-stroke slow-down considerably reduces the speed over the last 15 mm of stroke. This reduces wear of mast profiles and rollers and increases load stability.

SMOOTHROLL bottom brackets

Bottom brackets fitted with glide bearing supporting rollers. Minimal friction loss lowers energy consumption, especially in electric forklift trucks, and extends the operating time of the batteries.



Capacities of up to 3.000 kg fitted with supporting rollers



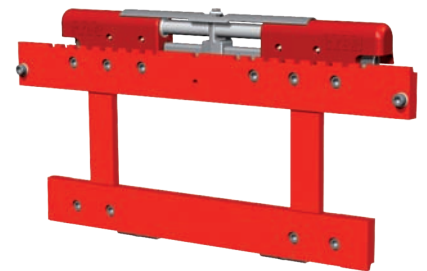
Capacities of 3.500 kg or more fitted with double supporting rollers

Sideshifter for Reach Trucks 2T151P2 / P4N

- Shape und fork carriage width designed especially for reach trucks.
- Standard sideshift stroke of ± 100 mm individually modified to specific requirements.
- 2T151P4N with **QUICKSEAL** cylinder design and greasable **EASYSLIDE** sliding pads.
- 2T151P2 with **SOFTSTOP** end-of-stroke slow-down and **SMOOTHROLL** bottom brackets.



2T151P4N



2T151P2

Container Sideshifter with increased sideshift stroke T151P-C

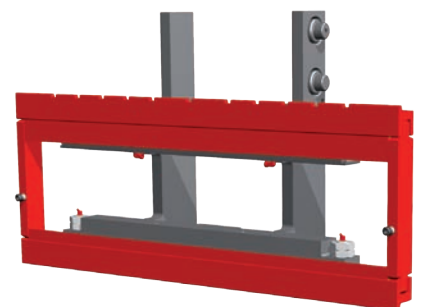
- Increased sideshift stroke makes it possible to reach beyond the chassis width of the forklift truck.
- Goods stacked against the wall of container can be loaded and unloaded.
- Suitable for container stuffing and loading and unloading of trucks.



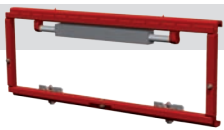
T151P-C

Sideshifter, integral mounting T151I

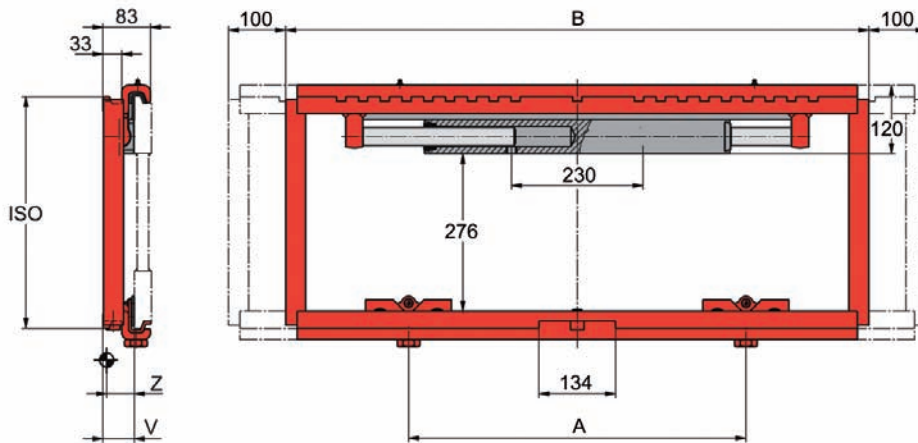
- Complete programme of integrated sideshifters.
- Integrated tiltable sideshifters available.
- Minimal restrictions in residual capacity.
- Maximum visibility
- Roller bearings ensure minimal friction loss resulting in longer operating times, especially on electric forklift trucks.



T151I



T151P4N



QUICKSEAL
EASYSLIDE

Sideshifter Standard Model 2T151P4N 1 hydraulic function

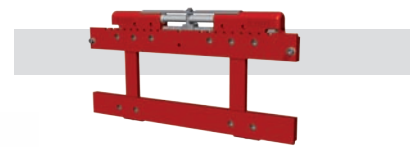
Model	B mm	A mm	ISO class	V mm	CofG Z mm	Weight kg
2 T 151 P4 N	890	550	2	55	20	51
2 T 151 P4 N	920	590	2	55	20	52
2 T 151 P4 N	980	590	2	55	20	54
2 T 151 P4 N	1.000	590	2	55	20	54
2 T 151 P4 N	1.020	590	2	55	20	55
2 T 151 P4 N	1.040	590	2	55	20	56
2 T 151 P4 N	1.100	590	2	55	20	57
2 T 151 P4 N	1.150	590	2	55	20	58

Capacity 2.500 kg at 500 mm LCD

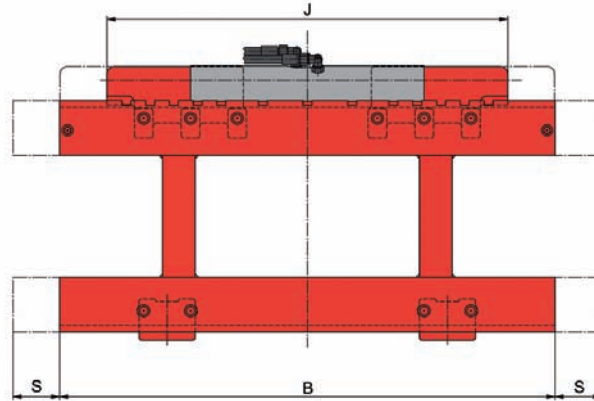
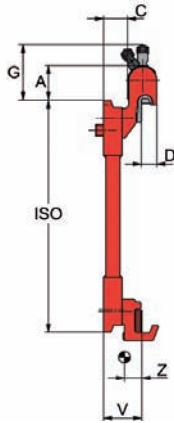
Maximum width 1.190 mm

Maximum fork length 1.600 mm





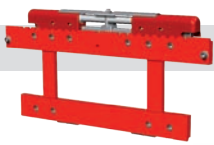
SOFTSTOP
SMOOTHROLL



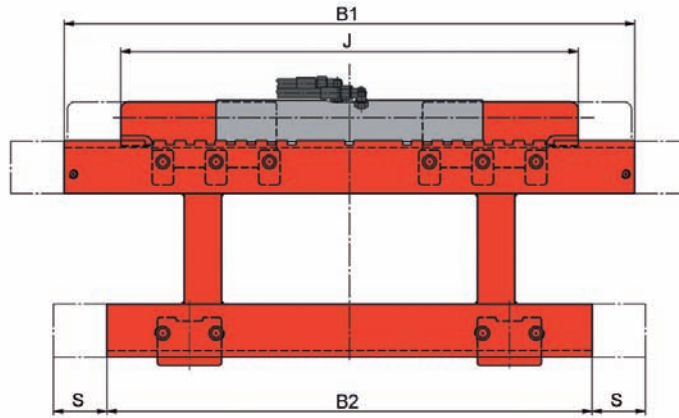
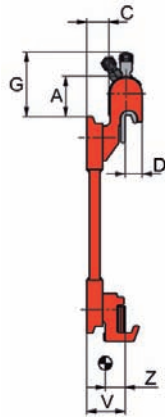
Sideshifter High-Performance Model T151P2 1 hydraulic function

Model	Capacity kg/mm	A mm	B mm	C mm	D mm	S mm	G mm	J mm	ISO cl.	V mm	CofG Z mm	Weight kg
2 T 151 P2	2.500/600	76	890	44	32	100	116	858	2	72	37	70
		76	920	44	32	100	116	858	2	72	37	72
		76	980	44	32	100	116	858	2	72	38	74
		76	1.020	44	32	100	116	858	2	72	39	76
		76	1.040	44	32	100	116	858	2	72	39	77
		76	1.100	44	32	100	116	858	2	72	40	80
		76	1.150	44	32	100	116	858	2	72	43	97
		76	1.200	44	32	100	116	858	2	72	43	100
		76	1.300	54	32	100	116	858	2	82	44	105
76	1.600	54	32	100	116	858	2	82	52	146		
3 T 151 P2*	3.000/500	76	1.020	54	34	100	116	858	3	82	45	106
		76	1.070	54	34	100	116	858	3	82	45	110
		76	1.100	54	34	100	116	858	3	82	46	112
		76	1.150	54	34	100	116	858	3	82	46	115
		76	1.300	54	34	100	116	858	3	82	48	132
76	1.600	64	34	100	116	858	3	92	57	207		
4 T 151 P2	5.000/500	85	1.100	50	40	100	125	1.040	3	82	41	136
		85	1.150	50	40	100	125	1.040	3	82	41	139
		85	1.200	50	40	100	125	1.040	3	82	42	143
		85	1.300	50	40	100	125	1.040	3	82	44	156
		85	1.310	50	40	100	125	1.040	3	82	44	156
		85	1.350	50	40	100	125	1.040	3	82	44	165
		85	1.400	50	40	100	125	1.040	3	82	45	180
		85	1.410	50	40	100	125	1.040	3	82	45	180
		85	1.600	60	40	100	125	1.040	3	92	54	231
85	1.800	60	40	100	125	1.040	3	92	55	248		
85	2.000	60	40	100	125	1.040	3	92	56	256		
4,8 T151 P2	5.000/600	103	1.150	42	44	100	165	922	3	82	39	149
		103	1.200	42	44	100	165	922	3	82	40	153
		103	1.300	42	44	100	165	922	3	82	42	166
		103	1.310	42	44	100	165	922	3	82	42	166
		103	1.350	42	44	100	165	922	3	82	42	175
		103	1.410	42	44	100	165	922	3	82	44	190
		103	1.600	52	44	100	165	922	3	92	52	241
103	1.800	52	44	100	165	922	3	92	53	258		
103	2.000	52	44	100	165	922	3	92	56	313		
5 T 151 P2	5.000/600	80	1.220	60	42	100	125	1.040	4	92	51	212
		80	1.400	60	42	100	125	1.040	4	92	53	231
		80	1.800	70	42	100	125	1.040	4	102	63	334
		80	2.180	70	42	100	125	1.040	4	102	63	383
		80	2.260	70	53	100	125	1.040	4	112	65	455
5,5 T151 P2	7.000/600	96	1.220	52	44	100	156	922	4	92	50	230
		96	1.400	52	44	100	156	922	4	92	51	249
		96	1.800	62	44	100	156	922	4	102	61	352
		96	2.180	62	44	100	156	922	4	102	62	401
		96	2.260	62	44	100	156	922	4	102	62	473
6 T 151 P2	8.000/600	112	1.400	50	53	160	212	1.392	4	92	42	295
		112	1.800	60	53	160	212	1.392	4	102	53	397
		112	2.180	60	53	160	212	1.392	4	102	55	446
		112	2.260	70	53	160	212	1.392	4	112	61	516
10 T 151	8.000/1.100	112	1.800	54	53	160	45	1.510	4	106	46	455
		112	2.000	54	53	160	45	1.510	4	106	46	490
		112	2.260	54	53	160	45	1.510	4	106	46	535
		112	2.400	54	53	160	45	1.510	4	106	46	560

*Exclusively for FLT's with 3.000 kg. capacity at 500 mm LCD. Other construction widths available upon request.



2T151P2 · T151P-C

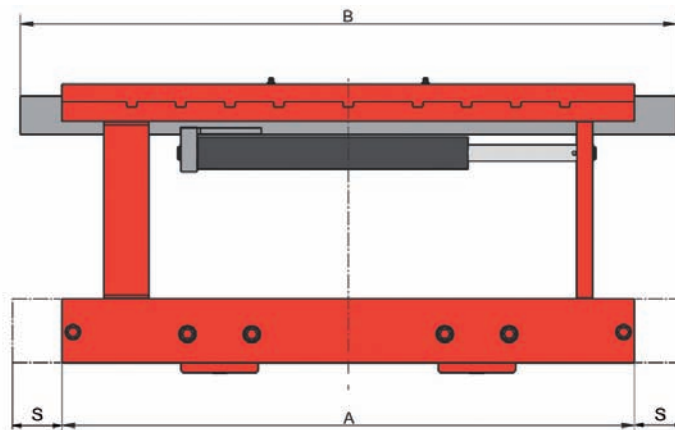
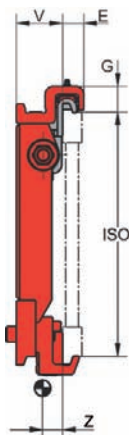


SOFTSTOP
SMOOTHROLL

Sideshifter for Reach Trucks 2T151P4N / P2 1 hydraulic function

Model	Capacity kg	A mm	B1 mm	B2 mm	C mm	D mm	G mm	S mm	J mm	ISO cl.	V mm	CofG Z mm	Weight kg
2 T 151 P4N	2.500/500	20	900	720	33	33	---	75	---	2	55	24	45
		20	822	720	33	33	---	50	---	2	55	24	44
2 T 151 P2	2.500/600	76	890	680	44	32	116	100	858	2	72	36	66
		76	680	680	44	32	116	100	858	2	72	36	56

Other construction widths available upon request. 2T151P4N with EASYSLIDE greasable sliding pads.



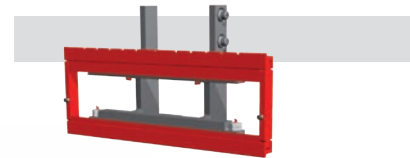
SMOOTHROLL

Sideshifter with increased sideshift stroke T151P-C

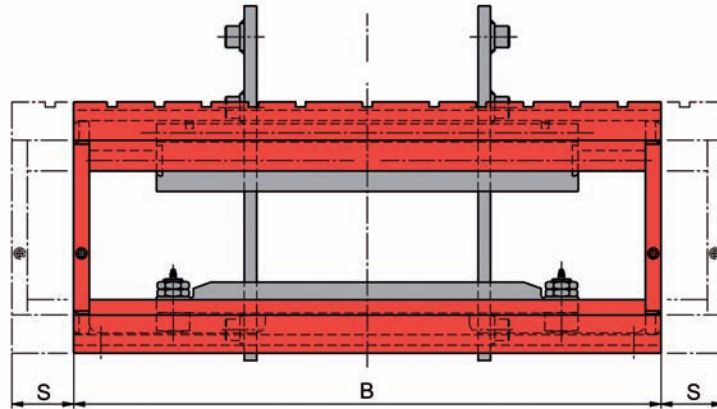
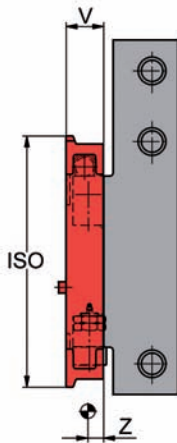
for container stuffing applications - 1 hydraulic function

Model	Capacity kg	A mm	S mm ¹⁾	B mm	E mm	G mm	ISO cl.	V mm	CofG Z mm	Weight kg
2 T 151 P4N-C	2.500/500	780	160	800	33	33	2	55	21	55
2 T 151 P-C	2.500/500	780	225	1.020	33	40	2	72	34	57
		1.060	225	1.020	33	40	2	72	35	68
		1.150	225	1.020	33	40	2	72	35	73
4 T 151 P-C	5.000/500	780	250	1.100	40	49	3	82	36	90
		1.200	250	1.100	40	49	3	82	38	117
		1.600	250	1.100	40	49	3	82	40	143
6 T 151 P-C	8.000/600	1.800	250	1.100	50	66	4	107	55	301

¹⁾ Differing shift strokes available upon request. Higher capacities and other construction widths available upon request. 2T151P4N-C with EASYSLIDE greasable sliding pads.



QUICKSEAL
SMOOTHROLL



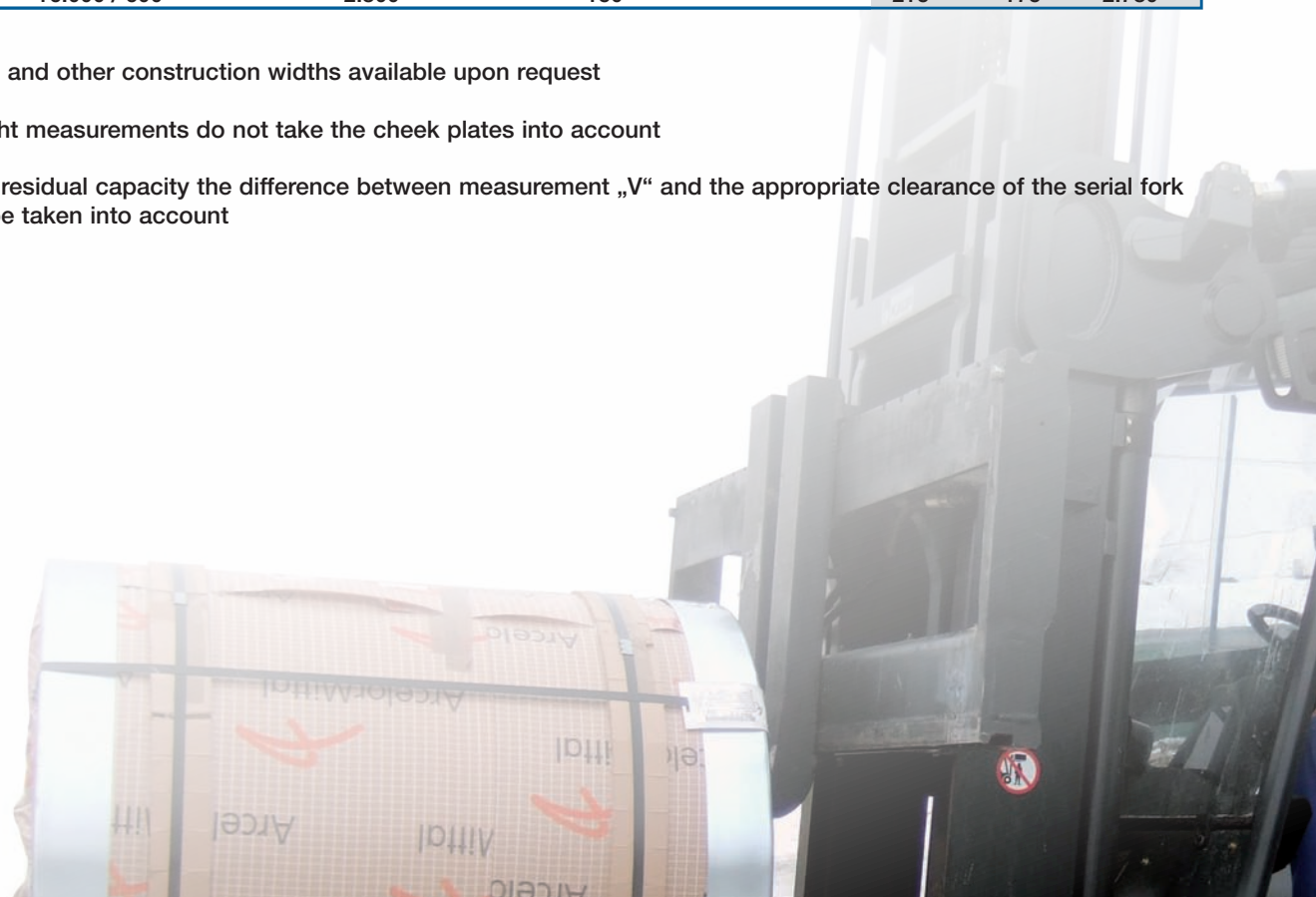
Sideshifter, integral mounting T151I 1 hydraulic function

Model	Capacity kg	B mm	S mm	ISO cl.	V mm	CofG ¹⁾ Z mm	Weight ¹⁾ kg
1,5 T 151 I	1.750 / 500	1.040	100	2	61	36	92
2,5 T 151 I	2.500 / 500	1.150	100	2	70	36	102
3 T 151 I	3.000 / 500	1.150	100	3	75	35	130
3,5 T 151 I	3.500 / 500	1.150	100	3	85	43	135
4,5 T 151 I	4.500 / 500	1.350	100	3	85	44	200
4,8 T 151 I	5.000 / 500	1.350	100	3	90	43	220
6 T 151 I	6.000 / 600	1.550	140	4	95	47	280
		1.650				47	
		1.800				47	
8 T 151 I	8.000 / 600	1.800	140	4	120	60	458
		2.260				62	
10 T 151 I	8.000 / 1.100	1.860	160	4	130	66	625
		2.260				67	
		2.400				67	
12 T 151 I	12.000 / 600	2.600	150	--	215	165	2.650
16 T 151 I	16.000 / 600	2.800	150	--	215	175	2.780

Higher capacities and other construction widths available upon request

¹⁾ CofG and weight measurements do not take the cheek plates into account

To determine the residual capacity the difference between measurement „V“ and the appropriate clearance of the serial fork carriage should be taken into account



Multi Sideshifter T252B · T253B · T253B-3

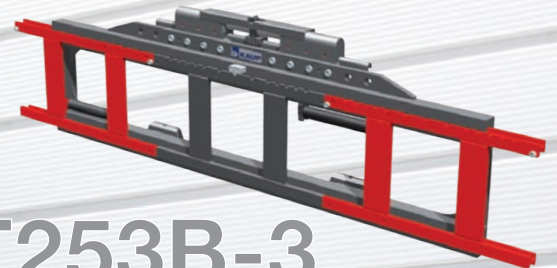
- Highly efficient forklift truck operation by simultaneous pick up of two, three, four or five load units.
- Maximum residual capacity due to minimum weight and minimum lost load centre.
- Optimum view through and over the attachment.
- Profile guided fork carriages ensure high precision of sideshift stroke and a minimum of wear and tear, even under extreme operating conditions.
- The two, three, four or five additional fork carriages can be shifted simultaneously or individually by hydraulic function. Accordingly the load units can be joined or separated as necessary.
- Fitted with one basic sideshifter which shifts the complete attachment with load units laterally.
- Application only suitable when the exact number of load units are picked up every time.



T252B



T253B

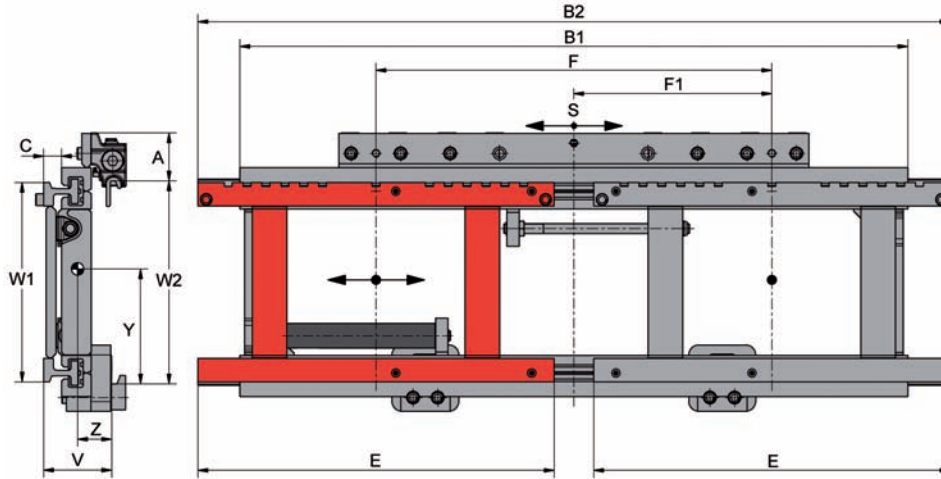


T253B-3





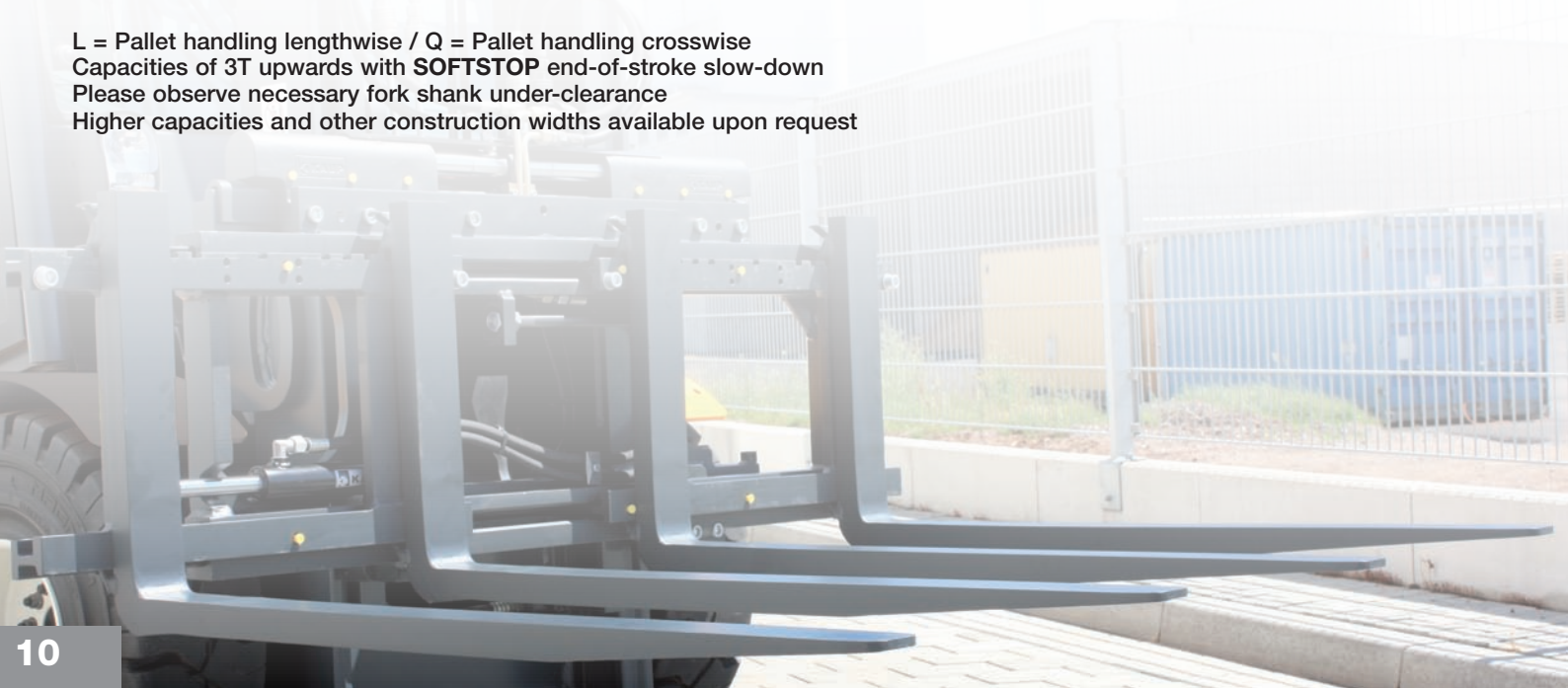
SMOOTHROLL



Double Sideshifter T252B 2 hydraulic functions

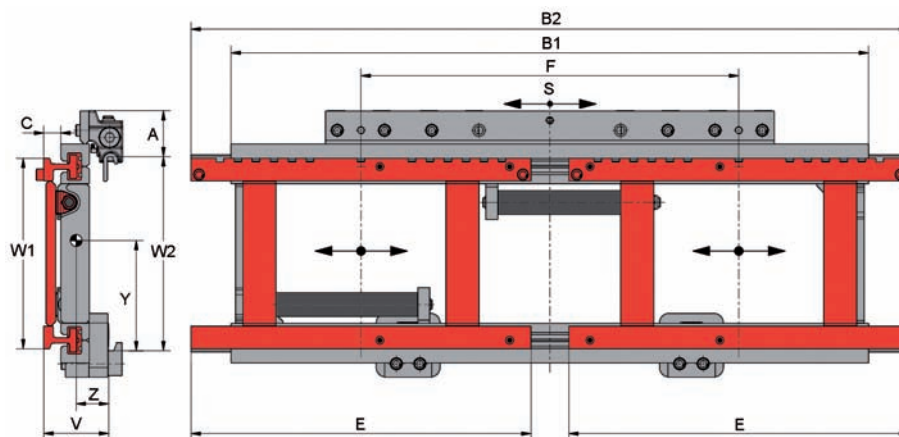
Model	Capacity per fork carriage kg/mm	Mounting		A mm	Const. width		C mm	E mm	Adjusting range			V mm	Z mm	Y mm	Weight kg
		W1 ISO	W2 ISO		B1 mm	B2 mm			F mm	F1 mm	S mm				
2 T 252B-L	1.250/600	2	2	98	1.350	1.520	36	720	800-1.000	400	± 100	138	66	232	187
2 T 252B-Q	1.250/600	2	2	98	1.550	1.780	36	800	980-1.300	580	± 100	138	67	230	203
3 T 252B-L	1.750/600	2	3	85	1.350	1.520	36	720	800-1.000	400	± 100	138	63	263	205
3 T 252B-Q	1.750/600	2	3	85	1.550	1.780	36	800	980-1.300	580	± 100	138	64	259	221
4,5 T 252B-L	2.000/600	2	3	85	1.350	1.520	36	720	800-1.000	400	± 100	148	68	255	240
4,5 T 252B-Q	2.000/600	2	3	85	1.550	1.780	36	800	980-1.300	580	± 100	148	69	251	256
5 T 252B-L	2.750/600	3	4	118	1.460	1.520	41	720	800-1.000	400	± 100	153	73	322	335
5 T 252B-Q	2.750/600	3	4	118	1.600	1.780	41	800	980-1.300	580	± 100	153	74	319	350
6 T 252B-L	2.000/1.200	4	4	135	1.460	1.520	56	720	800-1.000	400	± 160	176	80	363	412
6 T 252B-Q	2.000/1.200	4	4	135	1.860	1.780	56	800	980-1.300	580	± 160	176	81	360	436

L = Pallet handling lengthwise / Q = Pallet handling crosswise
 Capacities of 3T upwards with **SOFTSTOP** end-of-stroke slow-down
 Please observe necessary fork shank under-clearance
 Higher capacities and other construction widths available upon request





SMOOTHROLL



Triple Sideshifter T253B 2 hydraulic functions¹⁾

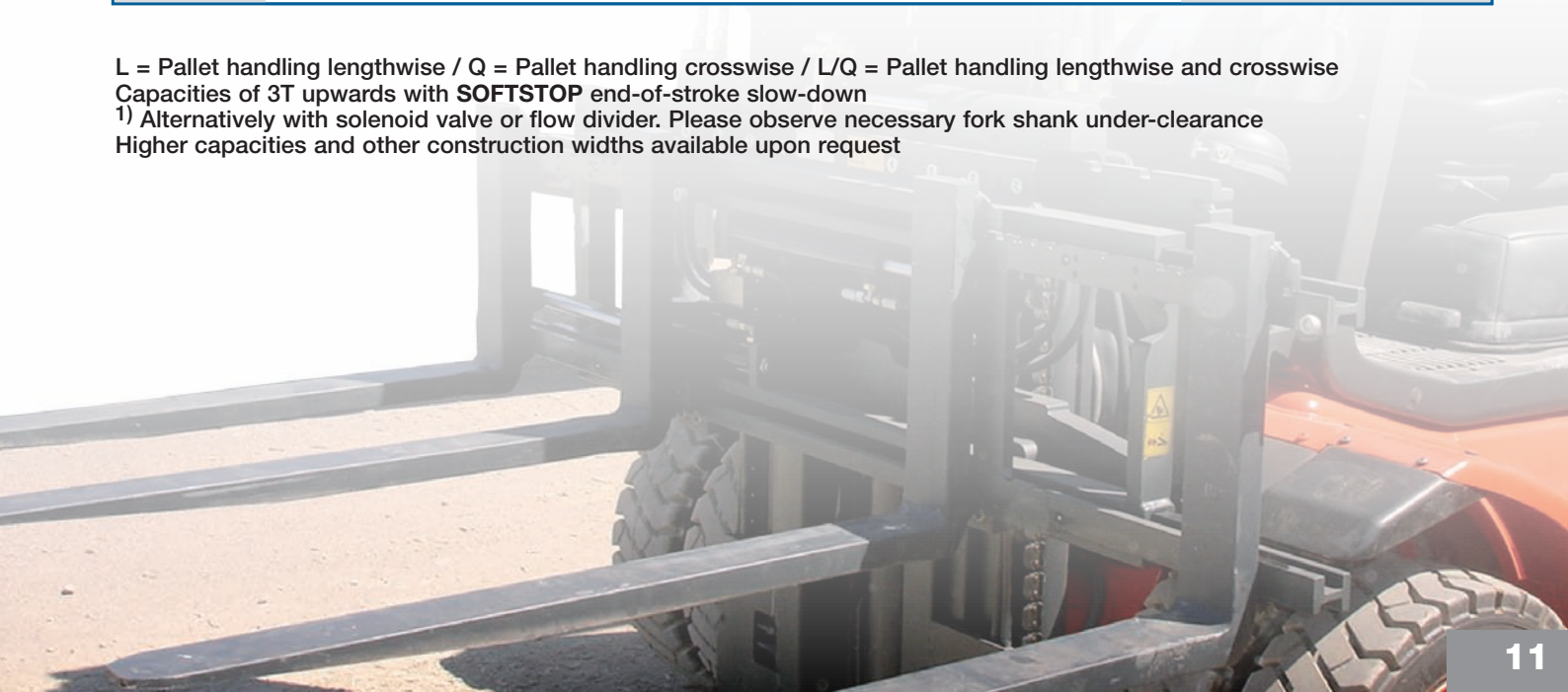
Model	Capacity per fork carriage kg/mm	Mounting		Const. width							CofG			CofG _v Y mm	Weight kg
		W1 ISO	W2 ISO	A mm	B1 mm	B2 mm	C mm	E mm	F mm	S mm	V mm	Z mm			
2 T 253B-L	1.250/ 600	2	2	98	1.350	1.520	36	720	800-1.200	± 100	138	66	234	191	
2 T 253B-L/Q	1.250/600	2	2	98	1.550	1.600	36	800	800-1.440	± 100	138	67	231	207	
3 T 253B-L	1.750/600	2	3	85	1.350	1.520	36	720	800-1.200	± 100	138	63	264	209	
3 T 253B-L/Q	1.750/600	2	3	85	1.550	1.600	36	800	800-1.440	± 100	138	65	260	225	
4,5 T 253B-L	2000/600	2	3	85	1.350	1.520	36	720	800-1200	± 100	148	68	255	244	
4,5 T 253B-L/Q	2000/600	2	3	85	1.550	1.600	36	800	800-1440	± 100	148	69	251	260	
5 T 253B-L	2.750/600	3	4	118	1.460	1.520	40	720	800-1.200	± 100	153	73	322	339	
5 T 253B-L/Q	2.750/600	3	4	118	1.600	1.600	40	800	800-1.440	± 100	153	74	320	355	
6 T 253B-L	2.000/1.200	4	4	135	1.460	1.520	56	720	800-1.200	± 160	176	81	366	419	
6 T 253B-L/Q	2.000/1.200	4	4	135	1.600	1.600	56	800	800-1.440	± 160	176	82	363	445	

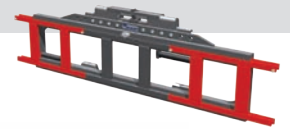
L = Pallet handling lengthwise / Q = Pallet handling crosswise / L/Q = Pallet handling lengthwise and crosswise

Capacities of 3T upwards with **SOFTSTOP** end-of-stroke slow-down

¹⁾ Alternatively with solenoid valve or flow divider. Please observe necessary fork shank under-clearance

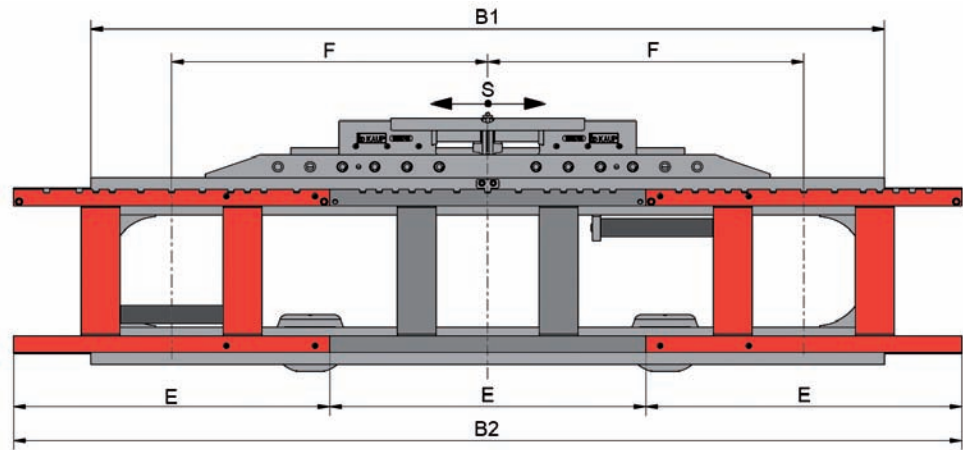
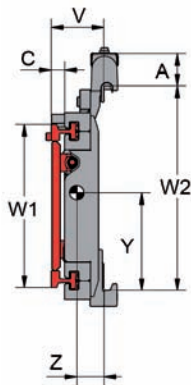
Higher capacities and other construction widths available upon request





T179

SOFTSTOP
SMOOTHROLL



Triple Sideshifter T253B-3

with 3 sideshifting carriages - 2 hydraulic functions + solenoid valve/flow divider¹⁾

Model	Capacity per fork carriage kg/mm	Mounting		Const. width			C	E	F	S	V	CofG		Weight kg
		W1 ISO	W2 ISO	A mm	B1 mm	B2 mm						Z mm	Y mm	
3 T 253B-L-3	900/600	2	3	85	2.100	2.160	35	720	720-1.000	± 100	148	68	269	380
3 T 253B-Q-3	900/600	2	3	85	2.700	2.940	35	980	980-1.260	± 100	158	76	265	420
3 T 253B-L/Q3	900/600	2	3	85	3.050	2.400	35	800	800-1.390	± 100	158	72	267	460
6T 253B-L-3	1.500/600	3	4	118	2.260	2.320	41	720	800-1.050	± 100	162	82	307	545
6T 253B-Q-3	1.500/600	3	4	118	2.460	2.940	41	980	980-1.230	± 100	162	84	303	595
6T 253B-L/Q-3	1.500/600	3	4	118	2.460	2.320	41	720	800-1.200	± 100	162	82	305	570

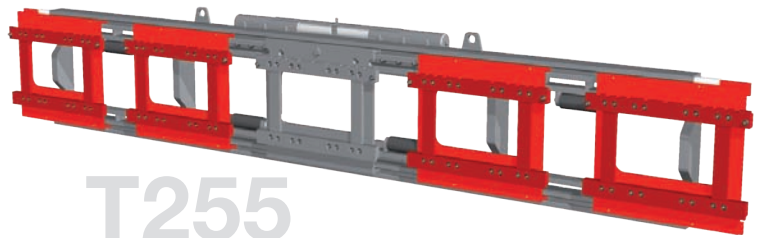
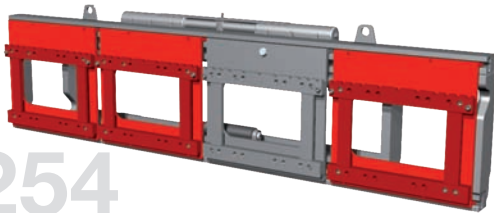
L = Pallet handling lengthwise / Q = Pallet handling crosswise / L/Q = Pallet handling lengthwise and crosswise

¹⁾ Alternatively with solenoid valve or flow divider. Please observe necessary fork shank under-clearance.

Higher capacities and other construction widths available upon request.

Quadruple Sideshifter T254 and Quintuple Sideshifter T255

available upon request



Symbols



Operation in explosion hazardous areas
Modified available for operation in explosion hazardous areas according to the ATEX standard 94/9 EG II 2G c IIB T4.



Load Backrest
Later fitting of a load backrest possible without modification.

KAUP attachments correspond to the requirements of the valid EC regulations regarding quality, safety and technical documentation. All technical data are subject to alteration.

KAUP is certified acc. to DIN EN ISO 9001



Helping hands for your Forklift truck

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