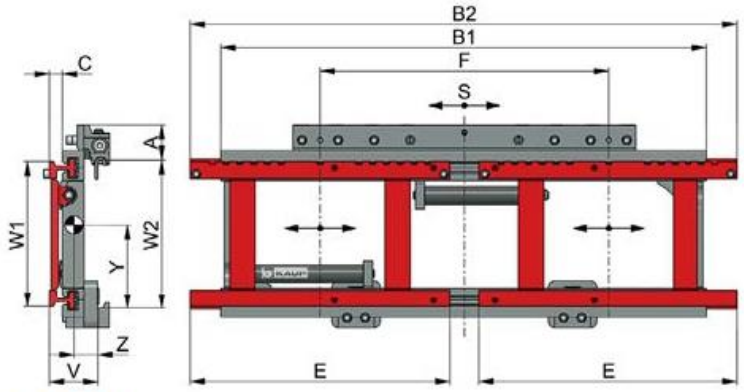
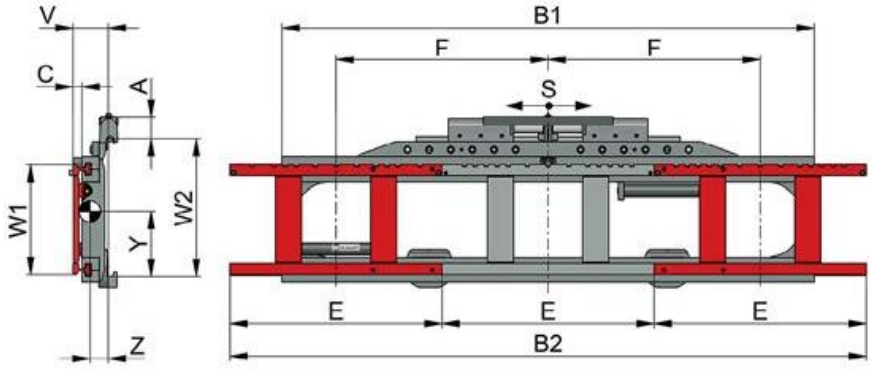


Triple Sideshifter T253B

Model	Capacity per fork carriage kg	@mm	Mounting W1 ISO	W2 ISO	A mm	Const. width B1 mm	B2 mm	C mm	E mm	F mm	S mm	CofG V mm	Z mm	$CofG_v$ Y mm	Weight kg
2T253B-L	1.250	600	2	2	98	1.350	1.520	36	720	800-1.200	± 100	138	66	234	191
2T253B-L/Q	1.250	600	2	2	98	1.550	1.600	36	800	800-1.440	± 100	138	67	231	207
3T253B-L	1.750	600	2	3	85	1.350	1.520	36	720	800-1.200	± 100	138	64	255	223
3T253B-L/Q	1.750	600	2	3	85	1.550	1.600	36	800	800-1.440	± 100	138	66	252	241
4,5T253B-L	2.000	600	2	3	85	1.350	1.520	36	720	800-1.200	± 100	148	66	262	277
4,5T253B-L/Q	2.000	600	2	3	85	1.550	1.600	36	800	800-1.440	± 100	148	67	258	299
4,5T253B-Q	2.000	600	2	3	85	1.650	1.960	36	980	980-1.540	± 100	148	69	255	317
5T253B-L	2.750	600	3	4	118	1.460	1.520	40	720	800-1.200	± 100	153	72	320	344
5T253B-L/Q	2.750	600	3	4	118	1.550	1.600	40	800	800-1.440	± 100	153	73	318	360
6T253B-L	2.000	1.200	4	4	135	1.460	1.520	56	720	800-1.200	± 160	178	81	366	431
6T253B-L/Q	2.000	1.200	4	4	135	1.600	1.600	56	800	800-1.440	± 160	178	82	363	457

Preferential range L = Pallet handling lengthwise / Q = Pallet handling crosswise / L/Q = Pallet handling lengthwise and crosswise. Alternatively available with solenoid valve for individual adjustment of the fork carriages. Capacities of 3T upwards with **SOFTSTOP** end-of-stroke slow-down. Higher capacities and other construction widths available upon request.

Please observe necessary fork shank under-clearance.



Triple Sideshifter T253B-3 with 3 fork carriages

Model	Capacity per fork carriage kg	@mm	Mounting W1	W2	A mm	Const. width B1 mm	B2 mm	C mm	E mm	F mm	S mm	CofG V mm	Z mm	$CofG_v$ Y mm	Weight kg
3T253B-L-3	900	600	2	3	85	2.100	2.160	35	720	720-1.000	± 100	148	73	250	375
3T253B-Q-3	900	600	2	3	85	2.700	2.940	35	980	980-1.260	± 100	158	77	234	524
3T253B-L/Q-3	900	600	2	3	85	2.950	2.400	35	800	800-1.390	± 100	158	76	234	537
6T253B-L-3	1.500	600	3	4	118	2.260	2.320	41	720	800-1.050	± 160	162	74	307	595
6T253B-Q-3	1.500	600	3	4	118	2.460	2.940	41	980	980-1.230	± 160	162	77	330	645
6T253B-L/Q-3	1.500	600	3	4	118	2.460	2.320	41	720	800-1.200	± 160	162	75	333	620

L = Pallet handling lengthwise / Q = Pallet handling crosswise / L/Q = Pallet handling lengthwise and crosswise. Alternatively available with solenoid valve for individual adjustment of the fork carriages. Higher capacities and other construction widths available upon request.

Please observe necessary fork shank under-clearance.

Recommended Oil flow rates, Pressures and Forklift truck capacities

Sideshifters and Multiple Sideshifters

Attachment	Page	Oil flow rate (oil volume) [l/min] min.	optimum	max.	Maximum operating pressure [bar]	Maximum capacity forklift truck / LCD [kg/mm]
1,5T 151 I	23	4	8	12	200	1.750/500
2T 151 P2 / 151 I	19-21/23	4	8	12	200	2.500/600
3T 151 P2 / 151 I	20/23	4	8	12	200	3.000/500
4T 151 P2 / 151 I	20/23	4	8	12	200	5.000/500
4,8T 151 P2 / 151 I	20/23	4	8	12	200	5.000/600
5T 151 P2 / 151 I	21/23	6	12	16	200	5.000/600
5,5T 151 P2 / 151 I	21/23	6	12	16	200	7.000/600
6T 151 P2 / 151 I	21/23	6	12	16	200	8.000/600
10T 151 / 151 I	21/23	6	12	16	200	8.000/900
2T 151 P4N-C	22	4	8	12	200	2.500/500
2T 151 P-C	22	4	8	12	200	2.500/500
4T 151 P-C	22	4	8	12	200	5.000/500
6T 151 P-C	22	6	12	16	200	8.000/600
2T 252 B	24	6	12	20	200	2.500/600
3T 252 B	24	6	12	20	200	3.500/500
4,5T 252 B	24	6	12	20	200	4.500/600
5T 252 B	24	8	16	25	200	6.000/600
6T 252 B	24	8	16	25	200	8.000/600
2T 253 B	25	6	12	20	200	2.500/600
3T 253 B	25	6	12	20	200	3.500/500
4,5T 253 B	25	6	12	20	200	4.500/600
5T 253 B	25	8	16	25	200	6.000/600
6T 253 B	25	8	16	25	200	8.000/600
3T 253 B-3	25	6	12	20	200	3.500/500
6T 253 B-3	25	8	16	25	200	6.000/600


T151P2


T151P-C


T253B

Sideshifters

are the most common attachment encountered on forklift trucks. The sideshifter allows lateral shift of the load, taking the truck capacity into account, of ±100 up to ±160 mm.

A special version, the so called container sideshifter (see page 22), features increased sideshift stroke.

Sideshifter High-Performance Model T151P2

SOFTSTOP end-of-stroke slow-down

End-of-stoke 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.

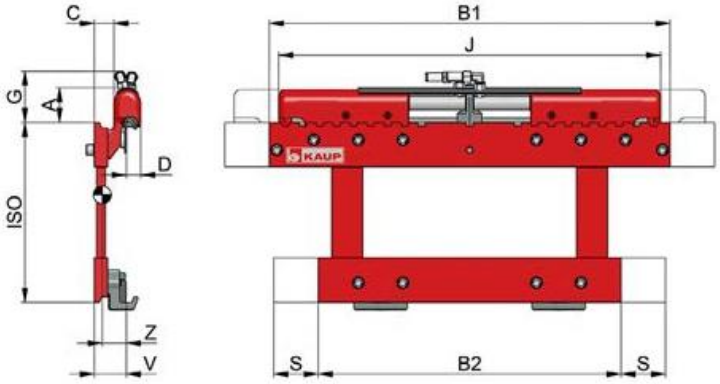


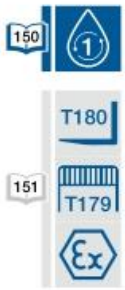


Capacities of up to 3.000 kg
fitted with supporting rollers



Capacities of 3.500 kg
or more fitted with double supporting rollers

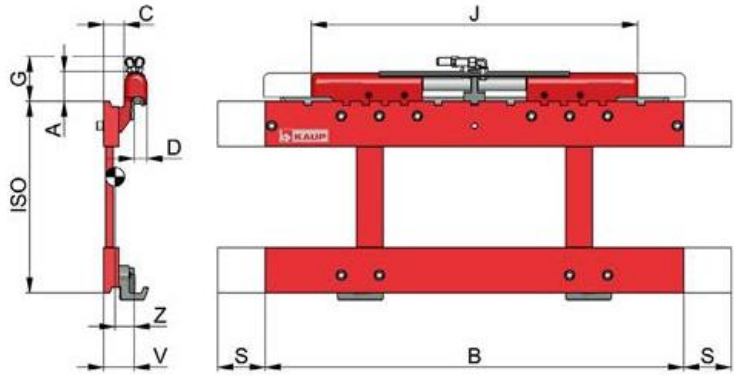




Sideshifter for Reach Trucks 2T151P2

Model	Capacity kg	LCD mm	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
2T 151 P2	2.500	600	76	680	680	44	32	116	± 75	808	2	72	36	56
			76	890	680	44	32	116	± 100	858	2	72	36	66

Other construction widths available upon request.



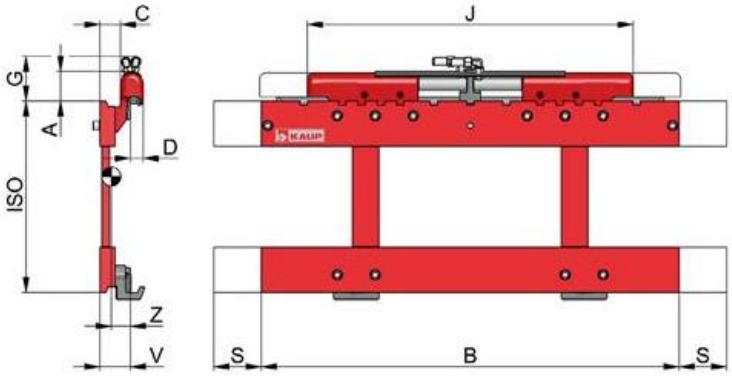
Sideshifter High-Performance Model T151P2

Model	Capacity kg	LCD mm	A mm	B mm	C mm	D mm	S mm	G mm	J mm	ISO cl.	V mm	CofG Z mm	Weight kg
2T 151P2	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	1.150	44	32	± 100	116	858	2	72	43	97
			76	1.600	54	32	± 100	116	858	2	82	52	146
3T 151P2 *	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
4T 151P2	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	1.350	50	40	± 100	125	1.040	3	82	44	165
			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
4,8T 151P2	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	1.350	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

Preferential range

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

Designed for extremely tough operations · Protected piston rods · Construction widths available up to 3.500 mm · High visibility
Equal shifting force and speed to both directions · Quick and easy installation · **SMOOTHROLL** bottom brackets · 5 T - 6 T: **SOFTSTOP** end-of-stroke slow-down



Sideshifter High-Performance Model T151P2

Model	Capacity kg	LCD mm	A mm	B mm	C mm	D mm	S mm	G mm	J mm	ISO cl.	V mm	CofG Z mm	Weight kg
5T 151P2	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
5,5T 151P2	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
6T 151P2	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
10T 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

Preferential range Other construction widths available upon request.

Designed for extremely tough operations · Protected piston rods · Construction widths available up to 3.500 mm · High visibility
Equal shifting force and speed to both directions · Quick and easy installation · **SMOOTHROLL** bottom brackets · 5 T - 6 T: **SOFTSTOP** end-of-stroke slow-down



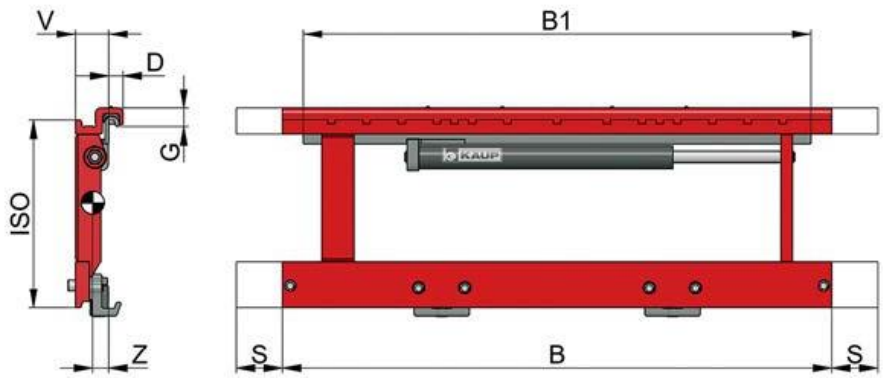
2T151P2 - for Reach Trucks



T151P2 - ISO-2/3



T151P2 - ISO-4



Sideshifter with increased sideshift stroke T151P-C - for container stuffing applications

Model	Capacity kg	LCD mm	B mm	B1 mm	S mm[1)]	D mm	G mm	ISO cl.	V mm	CofG Z mm	Weight kg
2T 151 P4N-C	2.500	500	780	800	± 160	33	33	2	55	21	55
2T 151 P-C	2.500	500	780	1.020	± 225	33	40	2	72	34	57
			1.060	1.020	± 225	33	40	2	72	35	68
			1.150	1.020	± 225	33	40	2	72	35	73
4T 151 P-C	5.000	500	780	1.100	± 250	40	49	3	82	36	90
			1.200	1.100	± 250	40	49	3	82	38	117
			1.600	1.100	± 250	40	49	3	82	40	143
6T 151 P-C	8.000	600	1.800	1.100	± 250	50	66	4	107	55	301

Preferential range

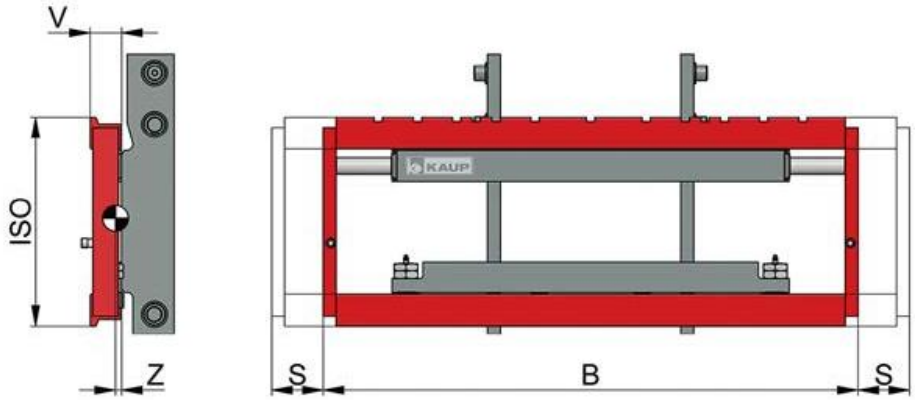
[1)] Differing shift strokes available upon request. Higher capacities and other construction widths available upon request.
2T151P4N-C with EASYSLIDE greasable sliding pads, all others with bottom brackets with roller guidance (**SMOOTHROLL**).





T151P-C

Hook-on sideshifter for container stuffing



Sideshifter, integral mounting T151I

Model	Capacity kg	LCD mm	B mm	S mm	ISO cl.	V mm	CofG[1] Z mm	Weight[1] kg
1,5T 151 I	1.750	500	1.040	± 100	2	61	36	92
2,5T 151 I	2.500	500	1.150	± 100	2	70	36	102
3T 151 I	3.000	500	1.150	± 100	3	75	35	130
3,5T 151 I	3.500	500	1.150	± 100	3	85	43	135
4,5T 151 I	4.500	500	1.350	± 100	3	85	44	200
4,8T 151 I	5.000	500	1.350	± 100	3	90	43	220
6T 151 I	6.000	600	1.550	± 140	4	95	47	280
			1.650				47	298
			1.800				47	310
8T 151 I	8.000	600	1.800	± 160	4	166	77	395
			2.260				85	465
10T 151 I	8.000	1.100	1.860	± 160	4	210	110	622
			2.260				114	680
			2.400				115	700
12T 151 I[2]	12.000	600	2.600	± 150	--	215	165	2.650
16T 151 I[2]	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.
[2] Including forks, optional 180 x 80 x 1.200 mm or 180 x 90 x 1.200 mm.

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



integrated sideshifter



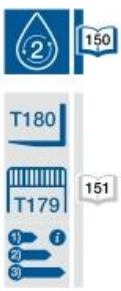
integrated version for reach trucks

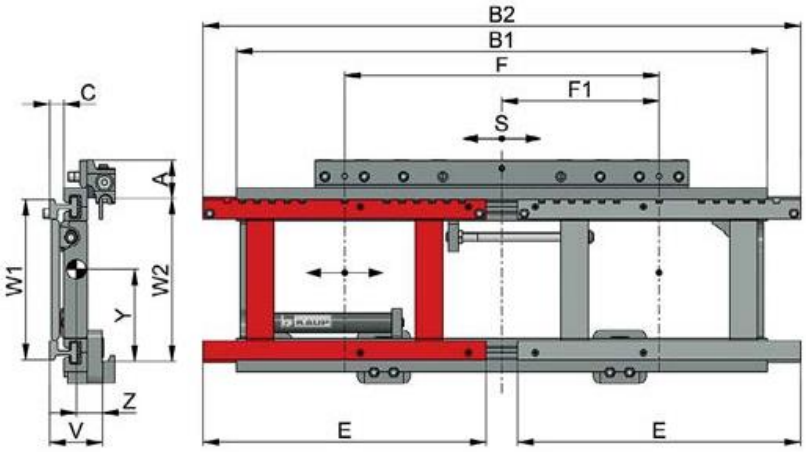


integrated tiltable version for reach trucks

Multi Sideshifters

According to the version they allow pick up of two, three, four or even five pallets which considerably rationalizes the application of the forklift truck. KAUP Multi Sideshifters are equipped with one main sideshifter which allows the entire load to be shifted together. The two, three, four or five additional fork carriages are partly equipped with individual sideshifters. These individual sideshifters allow moving each carriage separately by solenoid valves or simultaniously / synchronized by flow dividers.
Multi Sideshifters should only be used when the exact number of loads will be picked up every time. Please note, if individual loads are picked up off-centre, damage might be caused to the mast or fork carriage.





Double Sideshifter T252B

Model	Capacity per fork carriage kg	@mm	Mounting W1 ISO	W2 ISO	A mm	Const. width B1 mm	B2 mm	C mm	E mm	Adjusting range F mm	F1 mm	S mm	CofG V mm	CofG Z mm	CofG Y mm	Weight kg
2T252B-L	1.250	600	2	2	98	1.350	1.520	36	720	800-1.000	400	± 100	138	66	232	187
2T252B-Q	1.250	600	2	2	98	1.550	1.780	36	800	980-1.300	580	± 100	138	67	230	203
3T252B-L	1.750	600	2	3	85	1.350	1.520	36	720	800-1.000	400	± 100	138	64	255	219
3T252B-Q	1.750	600	2	3	85	1.550	1.780	36	800	980-1.300	580	± 100	138	66	251	237
4,5T252B-L	2.000	600	2	3	85	1.350	1.520	36	720	800-1.000	400	± 100	148	66	260	274
4,5T252B-Q	2.000	600	2	3	85	1.550	1.780	36	800	980-1.300	580	± 100	148	67	259	297
4,5T252B-Q	2.000	600	2	3	85	1.650	1.960	36	980	980-1.260	490	± 100	148	69	256	314
5T252B-L	2.750	600	3	4	118	1.460	1.520	41	720	800-1.000	400	± 100	153	72	320	339
5T252B-Q	2.750	600	3	4	118	1.550	1.780	41	800	980-1.300	580	± 100	153	73	317	355
6T252B-L	2.000	1.200	4	4	135	1.460	1.520	56	720	800-1.000	400	± 160	178	80	363	412
6T252B-Q	2.000	1.200	4	4	135	1.600	1.780	56	800	980-1.300	580	± 160	178	81	360	436

Preferential range

L = Pallet handling lengthwise / Q = Pallet handling crosswise.
Capacities of 3T upwards with **SOFTSTOP** end-of-stroke slow-down. Higher capacities and other construction widths available upon request.

Please observe necessary fork shank under-clearance.

Quadruple Sideshifter T254 and Quintuple Sideshifter T255

available upon request



