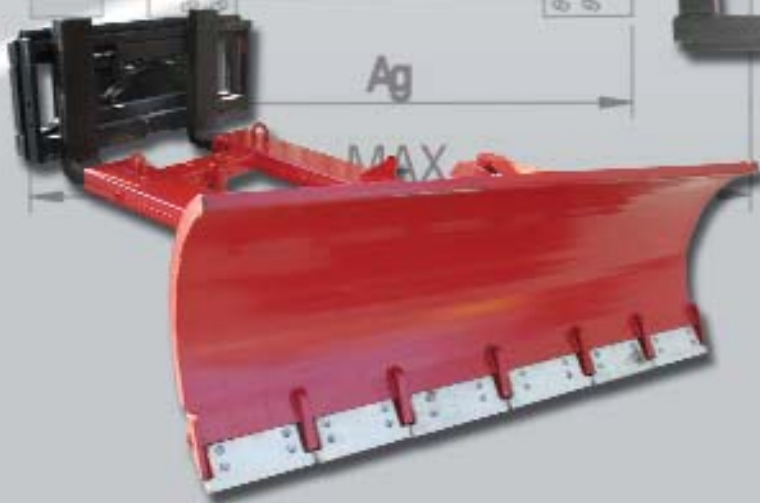
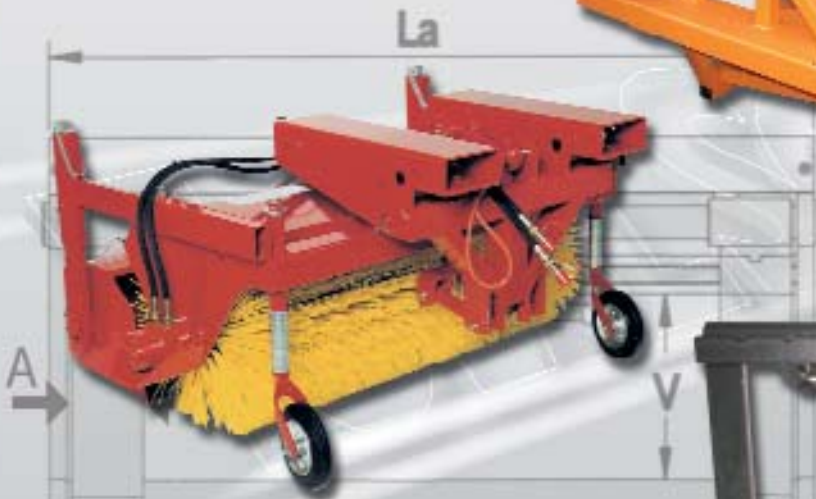




- SIDE SHIFTS
- FORK POSITIONERS
- ROTATORS
- HYDROSWEEPERS
- MAGNETIC SWEEPERS
- MECHANICAL SCOOPS
- ROLL FORWARD SKIPS
- CARRIAGE MOUNTED HYDRAULIC SCOOPS
- LOW LOADING SKIPS
- DRUM CLAMPS
- DRUM ROTATORS
- SNOW PLOUGHS
- YARD SCRAPERS
- SAFETY CAGES
- CRANE JIBS



RONCARI - CASCADE SIDE SHIFT

Our high visibility side shift is compatible with all truck carriages and conforms to all standards. The slim designed bars, along with high visibility, create a reduced weight. This increases lifttruck net capacity, while reducing strain on the hydraulic system.

- Very easy to fit and service.
- Full-width top hook protecting critical wear surfaces, resulting in longer bushing life in heavy duty applications.
- Fully replaceable wear slides made of special self-lubricating impregnated nylon with a very low friction coefficient.
- Cylinder rod seals are replaceable.
- Fully adjustable lower hooks.
- Delivered without fittings in the cylinder.

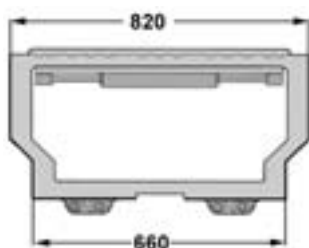


REF	Type	Capacity kg	Carriage Class fem	Stroke	Width mm	Weight kg	Lost load centre	Centre of gravity
116TA5839	DSL10820	1000/500	I	100 + 100	820	40	60	22
123TA8927	DSL2-01.0001	2500/500	II	100 + 100	800	39	60	22
116TA5841	DSL2-01.0002	2500/500	II	100 + 100	900	42	60	23
116TA5842	DSL2-01.0003	2500/500	II	100 + 100	920	43	60	23
116TA5843	DSL2-01.0004	2500/500	II	100 + 100	940	44	60	23
116TA5844	DSL2-01.0005	2500/500	II	100 + 100	980	45	60	23
116TA5845	DSL2-01.0006	2500/500	II	100 + 100	1000	46	60	23
116TA5846	DSL2-01.0007	2500/500	II	100 + 100	1020	47	60	23
116TA5847	DSL2-01.0008	2500/500	II	100 + 100	1040	48	60	23
107TA6124	DSL2-01.0009	2500/500	II	100 + 100	1100	49	60	23
116TA5849	DSL2-01.0010	2500/500	II	100 + 100	1150	51	60	23
116TA5850	DSL2-01.0011	2500/500	II	100 + 100	1250	53	60	23
116TA5851	DSL2-01.0013	2500/500	II	100 + 100	1400	58	60	23
124TA2694	DSL35004-0001	5000/500	III	100 + 100	1000	100	73	36
124TA2695	DSL35004-0002	5000/500	III	100 + 100	1100	105	73	36
124TA2696	DSL35004-0003	5000/500	III	100 + 100	1150	110	73	36
124TA2697	DSL35004-0004	5000/500	III	100 + 100	1200	115	73	36
124TA2698	DSL35004-0005	5000/500	III	100 + 100	1250	121	73	36
124TA2699	DSL35004-0006	5000/500	III	100 + 100	1300	124	73	36
124TA2700	DSL35004-0007	5000/500	III	100 + 100	1350	127	73	36
124TA2701	DSL35004-0008	5000/500	III	100 + 100	1400	138	73	37
124TA2702	DSL35004-0009	5000/500	III	100 + 100	1500	144	73	37
124TA2703	DSL35004-0010	5000/500	III	100 + 100	1600	150	73	37
124TA2704	DSL35004-0011	5000/500	III	100 + 100	1660	154	73	38
124TA2705	DSL35004-0012	5000/500	III	100 + 100	1750	160	73	38
124TA2706	DSL35004-0013	5000/500	III	100 + 100	2000	178	73	38
116TA5859	DSL4-0010	8000/600	IV	100 + 100	1250	265	100	57
116TA5860	DSL4-0023	8000/600	IV	100 + 100	1400	287	100	57
116TA5861	DSL4-0025	8000/600	IV	100 + 100	1500	300	100	57
116TA5862	DSL4-0047	8000/600	IV	150 + 150	1600	310	100	57
116TA5863	DSL4-0041	8000/600	IV	150 + 150	1850	330	100	57
116TA5864	DSL4-0046	8000/600	IV	150 + 150	2000	340	100	57

Nipple for hydraulic cylinder 9/16 JIC: * max. working pressure 200 kg/cm².
For FEM I, FEM II & FEM III: REF 107TA6166

* other versions available on request.
For FEM IV: REF 107TA6114

SIDE SHIFT FOR REACH TRUCKS



REF 116TA5865

EXAMPLE

type:TSRSS2 0301
capacity:2500@500
classFEM: II
stroke:100+100

width820
weight:50 Kg
lost load centre:63
centre of gravity:32

TOTALSOURCE® SIDE SHIFT



SIDE SHIFTS

- Very easy to fit and service.
- Fully replaceable wear slides made of special self-lubricating impregnated nylon with a very low friction coefficient.
- Cylinder rod seals are replaceable.
- Delivered without fittings in the cylinder.
- Fully adjustable forged lower hooks



O'REF	TYPE	CAPACITY	FEM CLASS	FRAME WIDTH	MIN TRUCK CARRIAGE WIDTH	WEIGHT	LOST LOAD	CENTRE OF GRAVITY	TOTAL STROKE
				I	m		s	CG	
124TA2623	TSCSA501	2500/500	II	800	735	46	59	26	200
124TA1918	TSRS20900	2500/500	II	900	895	55	60	27	200
124TA1919	TSRS20920	2500/500	II	920	895	55,5	60	27	200
124TA1920	TSRS20940	2500/500	II	940	895	56,5	60	27	200
124TA1921	TSRS20980	2500/500	II	980	895	57,5	60	27	200
124TA1922	TSRS21000	2500/500	II	1000	895	58,5	60	27	200
124TA1923	TSRS21020	2500/500	II	1020	895	59	60	27	200
124TA1924	TSRS21040	2500/500	II	1040	895	59,5	60	27	200
124TA1925	TSRS21100	2500/500	II	1100	975	62	60	27	200
124TA1926	TSRS21150	2500/500	II	1150	1040	63,5	60	27	200
124TA1927	TSRS21250	2500/500	II	1250	1040	67	60	27	200
124TA2624	TSCSA530	2500:500	II	1400	1145	83	59	26	200
124TA2670	TSRS31000	5000/500	III	1000	880	100	73	36	200
124TA2671	TSRS31100	5000/500	III	1100	880	105	73	36	200
124TA2672	TSRS31150	5000/500	III	1150	880	110	73	36	200
124TA2673	TSRS31200	5000/500	III	1200	880	115	73	36	200
124TA2674	TSRS31250	5000/500	III	1250	980	121	73	36	200
124TA2675	TSRS31300	5000/500	III	1300	980	124	73	36	200
124TA2676	TSRS31350	5000/500	III	1350	980	127	73	36	200
124TA2677	TSRS31400	5000/500	III	1400	980	138	73	37	200
124TA2678	TSRS31500	5000/500	III	1500	1080	144	73	37	200
124TA2679	TSRS31600	5000/500	III	1600	1080	150	73	37	200
124TA2680	TSRS31660	5000/500	III	1660	1180	154	73	38	200
124TA2683	TSRS41250	8000/600	IV	1250	910	265	100	57	200
124TA2684	TSRS41400	8000/600	IV	1400	1100	287	100	57	200
124TA2685	TSRS41500	8000/600	IV	1500	1100	300	100	57	200
124TA2686	TSRS41600	8000/600	IV	1600	1320	310	100	57	200
124TA2687	TSRS41850	8000/600	IV	1850	1600	330	100	57	300
124TA2688	TSRS42000	8000/600	IV	2000	1600	340	100	57	300

nipple for hydraulic cylinder 9/16 jic for fem 2 side shift
 → 124TA2623 & 124TA2624 are delivered with 9/16 jic fittings
 nipple for hydraulic cylinder 9/16 jic for fem3 side shift
 nipple for hydraulic cylinder 9/16 jic for fem4 side shift

REF 107TA3668

REF 107TA6166

REF 107TA6114





THIS IS ONLY A SMALL SELECTION OF WHAT WE CAN OFFER
PLEASE CONTACT OUR SALES DEPARTMENT FOR MORE INFO



CASCADE SIDE SHIFT

Our high visibility side shift is compatible with all truck carriages and conforms to all standards. The slim designed bars, along with high visibility, create a reduced weight. This increases lifttruck net capacity, while reducing strain on the hydraulic system.



- Very easy to fit and service.
- Full-width top hook protecting critical wear surfaces, resulting in longer bushing life in heavy duty applications.
- Fully replaceable wear slides made of special self-lubricating impregnated nylon with a very low friction coefficient.
- Cylinder rod seals are replaceable.
- Fully adjustable lower hooks.
- Delivered with JIC fittings in the cylinder.
- Side shifts are equipped with holes to mount a CASCADE load backrest.

REF	Type	Serial number	Carriage Class fem	Capacity Kg/mm	Width mm	Stroke	Weight Kg	Lost load centre	Centre of gravity
116TA6156	55FSSA504	55FSSE002	2	2500/600	900	100+100	50	59	26
116TA6157	55FSSA506	55FSSE003	2	2500/600	920	100+100	50	59	26
124TA2781	55FSSA507	55FSSE050	2	2500/600	940	100+100	51	59	26
116TA6158	55FSSA511	55FSSE004	2	2500/600	980	100+100	52	59	26
116TA6159	55FSSA439	55FSSE022	2	2500/600	1000	100+100	52	59	26
116TA6160	55FSSA980	55FSSE029	2	2500/600	1020	100+100	54	59	26
116TA6161	55FSSA514	55FSSE006	2	2500/600	1040	100+100	54	59	26
116TA6162	55FSSA517	55FSSE007	2	2500/600	1100	100+100	56	59	26
116TA6163	55FSSA520	55FSSE008	2	2500/600	1150	100+100	58	59	26
129TA8819	65FSSSB670	/	3	3500/500	1100	100+100	72	64	27
129TA8820	65FSSSB522	/	3	3500/500	1200	100+100	76	64	27
129TA8821	60FSSSB527	/	3	3500/500	1300	100+100	80	64	27

* max. working pressure 200 kg/cm².

* other versions available on request.

BOLZONI SIDE SHIFT

Our high visibility side shift is compatible with all truck carriages and conforms to all standards. The slim designed bars, along with high visibility, create a reduced weight. This increases lifttruck net capacity, while reducing strain on the hydraulic system.



- Very easy to fit and service.
- Full-width top hook protecting critical wear surfaces, resulting in longer bushing life in heavy duty applications.
- Fully replaceable wear slides made of special self-lubricating impregnated nylon with a very low friction coefficient.
- Cylinder rod seals are replaceable.
- Fully adjustable lower hooks.
- Delivered without fittings in the cylinder.

REF	Type	Capacity kg	Carriage Class fem	Stroke	Width mm	Weight kg	Lost load centre	Centre of gravity
122TA7011	HN40800	2500 @ 500	II	100 + 100	800	43	60	24
122TA7012	HN40900	2500 @ 500	II	100 + 100	900	46	60	24
122TA7013	HN40920	2500 @ 500	II	100 + 100	920	47	60	24
122TA7014	HN40940	2500 @ 500	II	100 + 100	940	48	60	24
122TA7015	HN40980	2500 @ 500	II	100 + 100	980	49	60	24
122TA7016	HN41020	2500 @ 500	II	100 + 100	1020	51	60	24
122TA7017	HN41040	2500 @ 500	II	100 + 100	1040	52	60	24
122TA7018	HN41070	2500 @ 500	II	100 + 100	1070	53	60	24
122TA7019	HN41100	2500 @ 500	II	100 + 100	1100	54	60	24
122TA7020	HN41150	2500 @ 500	II	100 + 100	1150	56	60	24
122TA7021	HN41245	2500 @ 500	II	100 + 100	1245	85	66	29
122TA7022	HN41400	2500 @ 500	II	100 + 100	1400	94	66	29
122TA7023	HN41550	2500 @ 500	II	100 + 100	1550	116	66	30
122TA7024	HN51100	3500 @ 500	III	100 + 100	1100	68	67	25
122TA7025	HN51150	3500 @ 500	III	100 + 100	1150	70	67	25
122TA7026	HN51245	3500 @ 500	III	100 + 100	1245	75	67	25
122TA7027	HN51350	3500 @ 500	III	100 + 100	1350	80	67	25
122TA7028	HN61100	4900 @ 500	III	100 + 100	1100	111	77	33
122TA7029	HN61150	4900 @ 500	III	100 + 100	1150	115	77	33
122TA7030	HN61245	4900 @ 500	III	100 + 100	1245	122	77	33
122TA7031	HN61350	4900 @ 500	III	100 + 100	1350	130	77	33
122TA7032	HN61550	4900 @ 500	III	100 + 100	1550	147	77	33
122TA7033	HN61660	4900 @ 500	III	100 + 100	1660	155	77	33
122TA7034	HN62000	4900 @ 500	III	100 + 100	2000	226	77	35

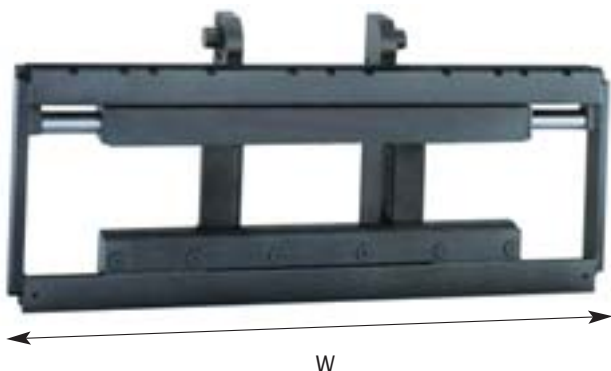
Nipple for hydraulic cylinder 9/16 JIC: * REF 107TA6166

* other versions available on request.

* max. working pressure 200 kg/cm².



TECHNICAL DETAIL: INTEGRATED SIDE SHIFTS



Company:

Customer code:

Name:

Fax number:

Truck make:

Truck type: Serial nr.:

W (width of sideshift):

Make of mast:

Carriage class FEM (2,3,4):

Type of mast:

Make of truck:

Serial n° of mast:

Type of truck:

INTEGRATED SIDE SHIFTS ARE DELIVERED WITHOUT MASTROLLERS

make of truck	type of truck	serial n° of mast	number of mastrollers	type of mast	width	FEM	REF
Linde	H15 DF		4	152	1040	2	111TA3757
Linde	H25T	351	4	164	920	2	111TA3758
Linde	H25T	352	4	186	1160	2	111TA3759
Linde	H25D	351	4	163	1160	2	111TA3760
Linde	H30D	351	4	163	1170	3	111TA3761
Linde	H40DT	352	4	166	1290	3	111TA3762

make Clark	width of side shift (mm)	type of mast	REF
CTM/CEM 1,0 - 1,6	940	TSU	111TA3763
CTM/CEM 1,0 - 1,6	940	HILO	111TA3764
CTM/CEM 1,0 - 1,6	940	STD	111TA3765
GPM/DPM 1,2 - 1,5	1040	STD	111TA3766
GPM/DPM 1,2 - 1,5	1040	HILO	111TA3767
GPM/DPM 1,2 - 1,5	1040	TSU	111TA3768
CTM/CEM 1,6	940	TSU	111TA3769
CDP/CGP 1,6	940	TSU	111TA3770
CTM/CEM 1,6	940	STD	111TA3771
CDP/CGP 1,6	1040	STD	111TA3772
CTM/CEM 1,6	1040	HILO	111TA3773
CDP/CGP 1,6	1040	HILO	111TA3774
GPM/DPM 1,7 - 2,0S	1040	STD	111TA3775
CTM/CEM 2,0 S	1040	STD	111TA3775
GPM/DPM 1,7 - 2,0S	1040	HILO	111TA3776
GPM/DPM 1,7 - 2,0S	1040	TSU	111TA3777
CTM/CEM 2,0 S	1040	HILO	111TA3778
CTM/CEM 2,0 S	1040	TSU	111TA3779
CTM/CEM 2,0	1040	TSU	111TA3780
CDP/CGP 2,0	1040	TSU	111TA3781
CTM/CEM 2,0	1040	STD	111TA3782
CDP/CGP 2,0	1040	STD	111TA3783
CTM/CEM 2,0	1040	HILO	111TA3784
CDP/CGP 2,0	1040	HILO	111TA3785
GLOBAL 2,5	1145	STD	111TA3786
GLOBAL 2,5	1550	STD	111TA3787
GLOBAL 2,5	1145	HILO	111TA3788
GLOBAL 2,5	1550	HILO	111TA3789
GLOBAL 2,5	1145	TSU	111TA3790
GLOBAL 2,5	1550	TSU	111TA3791

make Clark	width of side shift (mm)	type of mast	REF
MEGA AC 2,5	1145	STD	111TA3821
MEGA AC 2,5	1145	HILO	111TA3793
MEGA AC 2,5	1145	TSU	111TA3794
CEM 2,5 - 2,5 S	1145	STD	111TA3795
CEM 2,5 - 2,5 S	1145	TSU	111TA3796
CEM 2,5 - 2,5 S	1145	HILO	111TA3797
GLOBAL 3,0	1145	STD	111TA3798
GLOBAL 3,0	1550	STD	111TA3799
GLOBAL 3,0	1145	HILO	111TA3800
GLOBAL 3,0	940	HILO	111TA3801
GLOBAL 3,0	1145	TSU	111TA3802
GLOBAL 3,0	1550	TSU	111TA3803
MEGA AC 3,0	1145	STD	111TA3804
MEGA AC 3,0	1145	HILO	111TA3805
MEGA AC 3,0	1145	TSU	111TA3804
CEM 3,0 - 3,0 S	1145	STD	111TA3806
CEM 3,0 - 3,0 S	1145	TSU	111TA3807
CEM 3,0 - 3,0 S	1145	HILO	111TA3808
GLOBAL 3,5	1145	STD	111TA3809
GLOBAL 3,5	1145	TSU	111TA3810
GLOBAL 3,5	1145	HILO	111TA3811
GLOBAL 3,5	1550	STD	111TA3812
GLOBAL 3,5	1550	TSU	111TA3813
GLOBAL 3,5	1550	HILO	111TA3814
CEM 3,5	1145	STD	111TA3815
CEM 3,5	1145	TSU	111TA3816
CEM 3,5	1145	HILO	111TA3817
MEGA AC 3,5	1145	STD	111TA3818
MEGA AC 3,5	1145	TSU	111TA3819
MEGA AC 3,5	1145	HILO	111TA3820

TSU = triplex mast with free lift

HILO = duplex mast with free lift

std = standard duplex mast

TRUCK DOLLY

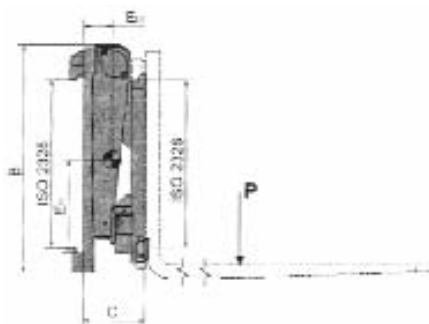
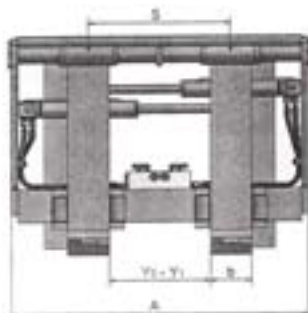
For safely moving forklifts using the counterweight pin.

REF	Carriage	Fork section	Length	Hole diameter
	fem	mm	mm	mm
107TA6167	2	125x45	600	40
107TA6168	3	125x45	600	40



FORK POSITIONERS

HOOK-ON FORK POSITIONER WITH SIDE SHIFT, WITHOUT FORKS

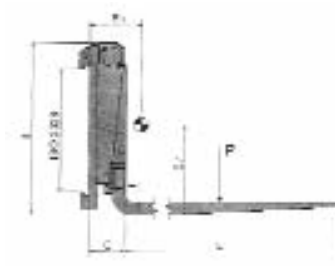
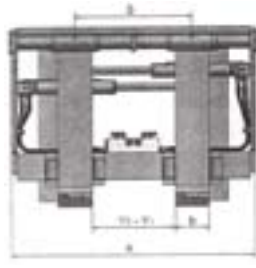


- Sideshifting heavy-duty fork positioner with bar mounted ISO 2328 fork carriers.
- Integrated side shift
- Possibility to use the standard forks of the lift truck.
- ISO 2328 mounting to the lift truck.
- Built-in side shift improves handling.

REF	Cap. (Kg)	A (mm)	B (mm)	C (mm)	Ev (mm)	EH (mm)	Q WEIGHT (Kg)	F (mm)	Y0-Y1 (mm)	Side Shift (mm)	b	Fork console/mounting ISO 2328 Class
116TA5693	2500	1000	630	154	72	281	172	125	120-640	260	120	2
116TA5694	2500	1100	630	154	72	283	179	125	120-740	310	120	2
116TA5695	2500	1200	630	154	72	285	186	125	120-840	360	120	2
116TA5696	2500	1300	630	154	72	287	193	125	120-940	410	120	2
116TA5697	2500	1400	630	154	72	289	200	125	120-1040	460	120	2
116TA5698	3500	1100	650	176	83	283	225	130	117-737	310	125	3
116TA5699	3500	1200	650	176	83	284	233	130	117-837	360	125	3
116TA5700	3500	1300	650	176	82	285	241	130	117-937	410	125	3
116TA5701	3500	1400	650	176	82	286	249	130	117-1037	460	125	3
116TA5702	3500	1500	650	176	81	287	256	130	117-1137	510	125	3
116TA5703	4500	1300	786	181	87	364	322	155	122-842	360	150	3
116TA5704	4500	1400	786	181	86	366	334	155	122-942	410	150	3
116TA5705	4500	1600	786	181	86	369	358	155	122-1142	510	150	3
116TA5706	4500	1800	786	181	85	373	382	155	122-1342	610	150	3
116TA5707	5000*	1400	926	191	93	424	384	155	122-942	410	150	4
116TA5708	5000*	1600	926	191	91	428	408	155	122-1142	510	150	4
116TA5709	5000*	1800	926	191	90	433	432	155	122-1342	610	150	4
116TA5710	5000*	1900	926	191	90	434	445	155	122-1442	660	150	4

Max. working pressure 250 bar. / 2 hydraulic functions required.

HOOK-ON FORK POSITIONER WITH SIDE SHIFT, TYPE HFPF



- Sideshifting heavy-duty fork positioner with bar mounted forks.
- ISO 2328 mounting to the lift truck.
- Integrated side shift.
- Built-in side shift improves handling.

REF	Cap. (Kg)	A (mm)	B (mm)	C (mm)	Ev (mm)	EH (mm)	Q WEIGHT (Kg)	E ₂ (mm)	Q ₂ (Kg)	Y ₀ -Y ₁ (mm)	Side Shift (mm)	Forks (mm)	Fork console/mounting ISO 2328 Class
116TA5673	1800	1000	642	129	222	195	209	51	124	130-650	260	100x35x1200	2
116TA5674	1800	1100	642	129	218	198	215	52	130	130-750	310	100x35x1200	2
116TA5675	2500	1000	652	134	247	180	248	42	125	120-640	250	120x40x1200	2
116TA5676	2500	1100	652	134	243	185	254	42	131	120-740	310	120x40x1200	2
116TA5677	2500	1200	652	134	238	189	261	43	138	120-840	360	120x40x1200	2
116TA5678	2500	1300	652	134	233	192	268	43	145	120-940	410	120x40x1200	2
116TA5679	2500	1400	652	134	229	196	275	44	152	120-1040	460	120x40x1200	2
116TA5680	3500	1100	669	141	253	181	301	39	147	107-727	310	125x50x1200	3
116TA5681	3500	1200	669	141	248	185	309	39	155	107-827	360	125x50x1200	3
116TA5682	3500	1300	669	141	244	188	317	40	163	107-927	410	125x50x1200	3
116TA5683	3500	1400	669	141	240	191	324	40	170	107-1027	460	125x50x1200	3
116TA5684	3500	1500	669	141	236	194	332	41	178	107-1127	510	125x50x1200	3
116TA5685	4500*	1300	798	151	232	263	430	45	218	112-832	360	150x50x1200	3
116TA5686	4500*	1400	798	151	228	267	443	45	231	112-932	410	150x50x1200	3
116TA5687	4500*	1600	798	151	220	275	467	46	255	112-1132	510	150x50x1200	3
116TA5688	4500*	1800	798	151	213	282	491	47	279	112-1332	610	150x50x1200	3
116TA5689	5000*	1400	997	156	227	297	497	58	285	112-932	410	150x50x1200	4
116TA5690	5000*	1600	997	156	220	306	522	59	310	112-1132	510	150x50x1200	4
116TA5691	5000*	1800	997	156	213	314	546	59	334	112-1332	610	150x50x1200	4
116TA5692	5000*	1900	997	156	210	318	558	60	346	112-1432	660	150x50x1200	4

* Cap. at 600 mm.
* Other length of forks on special request

SIDESHIFTING FORK POSITIONER WITH BAR MOUNTED FEM FORK CARRIERS

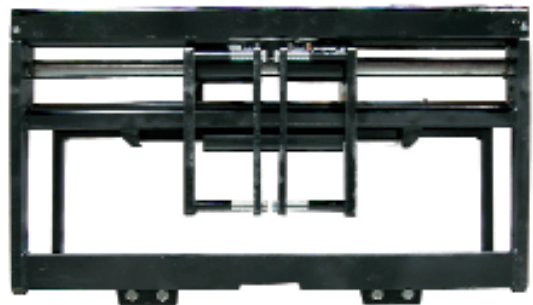
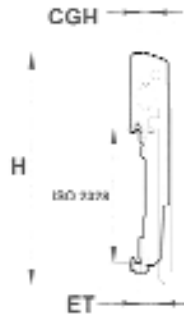
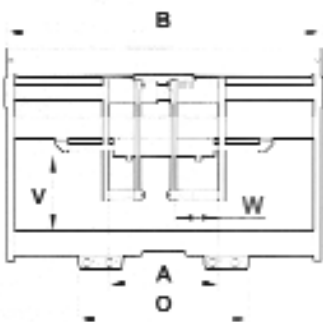
Fork adjustment is obtained with 2 hydraulic cylinders, which offer a smooth uniform movement. Delivered without forks, the original forks of the truck will suit without modification. Stroke of side shift, 100mm left and 100mm right. Sideshifting is still possible when the fork positioner is at its maximum opening position. Please keep in mind that the width of the fork is not as big as dimension W.

REF	capacity	mounting class	frame width	min. width of fork carriage	opening forks min-max	width forks min-max	height	visibility	lost load	centre of gravity	weight
	kg/mm	ISO-2328	B (mm)	(mm)	A (mm)	W (mm)	H (mm)	V (mm)	ET (mm)	CGH (mm)	kg
123TA1976	2500/500	2	920	800	340-810	80-130	720	230	60	32	97
123TA1955	2500/500	2	980	800	340-870	80-130	720	230	60	32	102
123TA1956	2500/500	2	1040	860	340-930	80-130	720	230	60	32	107
123TA1957	2500/500	2	1100	860	340-990	80-130	720	230	60	32	113
123TA1958	2500/500	2	1160	920	340-1050	80-130	720	230	60	32	118
123TA1959	2500/500	2	1220	920	340-1110	80-130	720	230	60	32	124
123TA1960	2500/500	2	1280	920	340-1170	80-130	720	230	60	32	128
123TA1961	2500/500	2	1340	1020	340-1230	80-130	720	230	60	32	134
123TA1962	2500/500	2	1400	1020	340-1290	80-130	720	230	60	32	140
123TA1963	2500/500	2	1460	1040	340-1350	80-130	720	230	60	32	145
123TA1964	5000/500	3	1050	780	380-920	100-150	820	268	73	44	169
123TA1965	5000/500	3	1110	780	380-980	100-150	820	268	73	44	175
123TA1966	5000/500	3	1170	880	380-1040	100-150	820	268	73	44	183
123TA1967	5000/500	3	1230	880	380-1100	100-150	820	268	73	44	189
123TA1968	5000/500	3	1290	880	380-1160	100-150	820	268	73	44	195
123TA1969	5000/500	3	1350	880	380-1220	100-150	820	268	73	44	201
123TA1970	5000/500	3	1410	980	380-1280	100-150	820	268	73	44	209
123TA1971	5000/500	3	1470	980	380-1340	100-150	820	268	73	44	216
123TA1972	5000/500	3	1530	980	380-1400	100-150	820	268	73	44	223
123TA1973	5000/500	3	1590	1080	380-1460	100-150	820	268	73	44	231
123TA1974	5000/500	3	1650	1080	380-1520	100-150	820	268	73	44	238
123TA1975	5000/500	3	1950	1380	380-1820	100-150	820	268	73	44	279

Working pressure 180 DaN/cm².

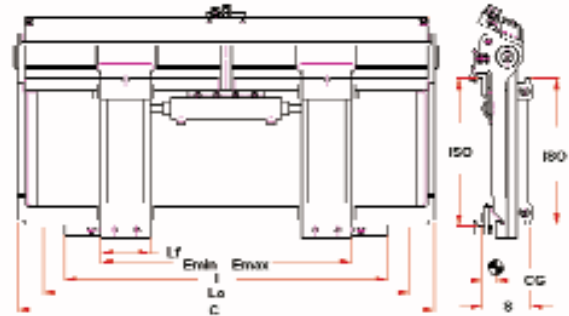
2 hydraulic functions required.

Forks not included



FORK POSITIONER (WITHOUT FORKS, WITH SIDESHIFT)

Fork adjustment is obtained with 2 hydraulic cylinders, which offer a smooth uniform movement. Delivered without forks, the original forks of the truck will suit without modification. Stroke of side shift, 100mm left and 100mm right. Sideshifting is still possible when the fork positioner is at its maximum opening position. Please keep in mind that the width of the fork is not as big as dimension Lf.



FORK POSITIONERS

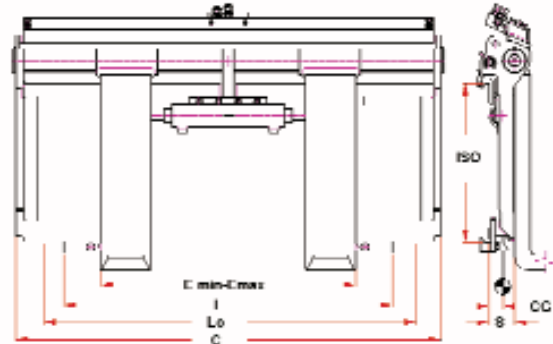


TOTAL SOURCE
Parts and Accessories

REF	Capacity	ISO	Bar dPa	C	E		I	Lo	Lf	s	Hyfn	Hyfc	Hyfx	CG	Weight
	Kg/mm			mm	mm	mm	mm	mm	mm	mm	l/mm			mm	Kg
123TA7363	2500/500	2	160	920	330	850	595	795	130	125	12	15	20	40	99
123TA7364	2500/500	2	160	940	330	870	607	807	130	125	12	15	20	40	111
123TA7365	2500/500	2	160	980	330	910	630	830	130	125	12	15	20	40	115
123TA7366	2500/500	2	160	1020	330	950	653	853	130	125	12	15	20	41	119
123TA7367	2500/500	2	160	1040	330	970	665	865	130	125	12	15	20	41	121
123TA7368	2500/500	2	160	1050	330	980	670	870	130	125	12	15	20	41	122
123TA7369	2500/500	2	160	1100	330	1030	750	950	130	125	12	15	20	42	126
123TA7370	2500/500	2	160	1150	330	1080	800	1000	130	125	12	15	20	42	130
123TA7371	2500/500	2	160	1200	330	1130	800	1000	130	125	12	15	20	43	133
123TA7372	2500/500	2	160	1250	330	1180	850	1050	130	125	12	15	20	43	137
123TA7373	2500/500	2	160	1300	330	1230	900	1100	130	125	12	15	20	43	141
123TA7378	4900/500	3	160	1050	420	960	700	900	150	145	14	16	22	50	215
123TA7379	4900/500	3	160	1100	420	1010	700	900	150	145	14	16	22	50	220
123TA7380	4900/500	3	160	1150	420	1060	750	950	150	145	14	16	22	51	225
123TA7381	4900/500	3	160	1200	420	1110	800	1000	150	145	14	16	22	51	235
123TA7382	4900/500	3	160	1250	420	1160	850	1050	150	145	14	16	22	51	240
123TA7383	4900/500	3	160	1300	420	1210	900	1100	150	145	14	16	22	52	245
123TA7384	4900/500	3	160	1350	420	1260	950	1150	150	145	14	16	22	52	250
123TA7385	4900/500	3	160	1400	420	1310	1000	1200	150	145	14	16	22	52	255
123TA7386	4900/500	3	160	1450	420	1360	1150	1250	150	145	14	16	22	52	260
123TA7387	4900/500	3	160	1500	420	1410	1100	1300	150	145	14	16	22	53	265
123TA7388	4900/500	3	160	1600	420	1510	1200	1400	150	145	14	16	22	53	274
123TA7392	7000/600	4	160	1350	580	1240	950	1150	160	170	20	25	32	62	285
123TA7393	7000/600	4	160	1400	580	1290	1000	1200	160	170	20	25	32	62	295
123TA7394	7000/600	4	160	1500	580	1390	1100	1300	160	170	20	25	32	62	305
123TA7395	7000/600	4	160	1600	580	1490	1200	1400	160	170	20	25	32	63	325
123TA7396	7000/600	4	160	1700	580	1690	1300	1500	160	170	20	25	32	63	350
123TA7397	7000/600	4	160	1800	580	1690	1400	1600	160	170	20	25	32	64	440
123TA7398	7000/600	4	160	1850	580	1740	1450	1650	160	170	20	25	32	64	452
123TA7399	7000/600	4	160	2000	580	1890	1600	1800	160	170	20	25	32	65	475
123TA7400	7000/600	4	160	2200	580	2090	1800	2000	160	170	20	25	32	66	500
123TA7401	7000/600	4	160	2400	580	2290	1800	2000	160	170	20	25	32	66	570
123TA7402	8000/600	4	160	1500	590	1380	1100	1300	200	180	22	28	35	66	445
123TA7403	8000/600	4	160	1600	590	1480	1200	1400	200	180	22	28	35	67	460
123TA7404	8000/600	4	160	1700	590	1580	1300	1500	200	180	22	28	35	67	480
123TA7405	8000/600	4	160	1800	590	1680	1400	1600	200	180	22	28	35	68	515
123TA7406	8000/600	4	160	2000	590	1880	1600	1800	200	180	22	28	35	69	555
123TA7407	8000/600	4	160	2200	590	2080	1800	2000	200	180	22	28	35	70	605
123TA7408	8000/600	4	160	2400	590	2280	1800	2000	200	180	22	28	35	72	625

FORK POSITIONER (WITH FORKS, WITH SIDESHIFT)

Fork adjustment is obtained with 2 hydraulic cylinders, which offer a smooth uniform movement. Delivered with forks. Stroke of side shift, 100mm left and 100mm right. Sideshifting is still possible when the fork positioner is at its maximum opening position.



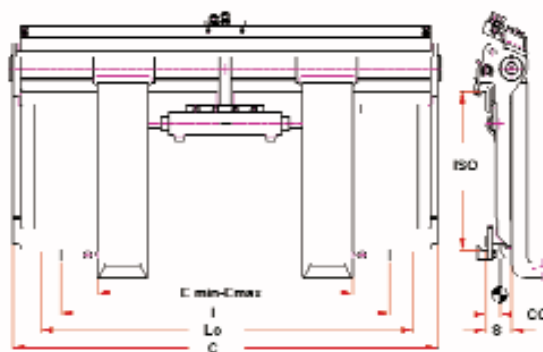
TOTALSOURCE®
Parts and Accessories

FORK POSITIONERS

REF	Capacity	ISO	Bar dPa	C	E min	max	I	Lo	forks	s	Hyfn	Hyfc	Hyfx	CG	Weight
	Kg/mm			mm	mm	mm	mm	mm	mm	mm	l/mm			mm	Kg
123TA7409	1800/500	2A	160	920	330	850	630	830	100x35x1200	65	12	15	20	40	110
123TA7410	1800/500	2A	160	940	330	870	630	830	100x35x1200	65	12	15	20	40	112
123TA7411	1800/500	2A	160	980	330	910	630	830	100x35x1200	65	12	15	20	40	115
123TA7412	1800/500	2A	160	1020	330	950	670	870	100x35x1200	65	12	15	20	40	119
123TA7413	1800/500	2A	160	1040	330	970	670	870	100x35x1200	65	12	15	20	40	121
123TA7414	2500/500	2A	160	920	330	850	630	830	120x40x1200	65	12	15	20	40	111
123TA7415	2500/500	2A	160	940	330	870	630	830	120x40x1201	65	12	15	20	40	113
123TA7416	2500/500	2A	160	980	330	910	630	830	120x40x1202	65	12	15	20	40	115
123TA7417	2500/500	2A	160	1020	330	950	670	870	120x40x1203	65	12	15	20	41	119
123TA7418	2500/500	2A	160	1040	330	970	670	870	120x40x1204	65	12	15	20	41	121
123TA7419	2500/500	2A	160	1050	330	980	670	870	120x40x1205	65	12	15	20	41	122
123TA7420	2500/500	2A	160	1100	330	1030	750	950	120x40x1206	65	12	15	20	42	126
123TA7421	2500/500	2A	160	1150	330	1080	800	1000	120x40x1207	65	12	15	20	42	130
123TA7422	2500/500	2A	160	1200	330	1130	800	1000	120x40x1208	65	12	15	20	43	133
123TA7423	2500/500	2A	160	1250	330	1180	850	1050	120x40x1209	65	12	15	20	43	137
123TA7424	2500/500	2A	160	1300	330	1230	900	1100	120x40x1200	65	12	15	20	43	141
123TA7425	2500/500	2A	160	1350	330	1280	950	1150	120x40x1200	65	12	15	20	44	145
123TA7426	2500/500	2A	160	1400	330	1330	1000	1200	120x40x1200	65	12	15	20	44	151
123TA7427	2500/500	2A	160	1450	330	1380	1050	1250	120x40x1200	65	12	15	20	44	157
123TA7428	2500/500	2A	160	1500	330	1430	1100	1300	120x40x1200	65	12	15	20	44	163
123TA7429	3500/500	3A	160	1050	420	960	700	900	120x50x1200	78	14	16	22	50	215
123TA7430	3500/500	3A	160	1100	420	1010	700	900	120x50x1200	78	14	16	22	50	220
123TA7431	3500/500	3A	160	1150	420	1060	750	950	120x50x1200	78	14	16	22	51	225
123TA7432	3500/500	3A	160	1200	420	1110	800	1000	120x50x1200	78	14	16	22	51	235
123TA7433	3500/500	3A	160	1250	420	1160	850	1050	120x50x1200	78	14	16	22	51	240
123TA7434	3500/500	3A	160	1300	420	1210	900	1100	120x50x1200	78	14	16	22	52	245
123TA7435	3500/500	3A	160	1350	420	1260	950	1150	120x50x1200	78	14	16	22	52	250
123TA7436	3500/500	3A	160	1400	420	1310	1000	1200	120x50x1200	78	14	16	22	52	255
123TA7437	3500/500	3A	160	1450	420	1360	1150	1250	120x50x1200	78	14	16	22	52	260
123TA7438	3500/500	3A	160	1500	420	1410	1100	1300	120x50x1200	78	14	16	22	53	265
123TA7439	3500/500	3A	160	1600	420	1510	1200	1400	120x50x1200	78	14	16	22	53	274
123TA7440	3500/500	3A	160	1700	420	1610	1300	1500	120x50x1200	78	14	16	22	55	283
123TA7441	3500/500	3A	160	1800	420	1710	1400	1600	120x50x1200	78	14	16	22	55	275
123TA7442	3500/500	3A	160	2000	420	1910	1600	1800	120x50x1200	78	14	16	22	56	285



FORK POSITIONER (WITH FORKS, WITH SIDESHIFT)

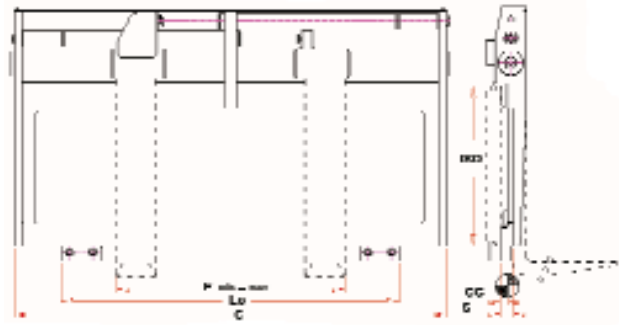


TOTAL SOURCE®
Parts and Accessories

REF	Capacity	ISO	Bar dPa	C	E min	max	I	Lo	forks	s	Hyfn	Hyfc	Hyfx	CG	Weight
	Kg/mm			mm	mm	mm	mm	mm	mm	mm	l/mm			mm	Kg
123TA7443	4900/500	3A	160	1050	420	960	700	900	150x50x1200	78	14	16	22	50	215
123TA7444	4900/500	3A	160	1100	420	1010	700	900	150x50x1200	78	14	16	22	50	220
123TA7445	4900/500	3A	160	1150	420	1060	750	950	150x50x1200	78	14	16	22	51	225
123TA7446	4900/500	3A	160	1200	420	1110	800	1000	150x50x1200	78	14	16	22	51	235
123TA7447	4900/500	3A	160	1250	420	1160	850	1050	150x50x1200	78	14	16	22	51	240
123TA7448	4900/500	3A	160	1300	420	1210	900	1100	150x50x1200	78	14	16	22	52	245
123TA7449	4900/500	3A	160	1350	420	1260	950	1150	150x50x1200	78	14	16	22	52	250
123TA7450	4900/500	3A	160	1400	420	1310	1000	1200	150x50x1200	78	14	16	22	52	255
123TA7451	4900/500	3A	160	1450	420	1360	1150	1250	150x50x1200	78	14	16	22	52	260
123TA7452	4900/500	3A	160	1500	420	1410	1100	1300	150x50x1200	78	14	16	22	53	265
123TA7453	4900/500	3A	160	1600	420	1510	1200	1400	150x50x1200	78	14	16	22	53	274
123TA7560	4900/500	3A	160	1700	420	1610	1300	1500	150x50x1200	78	14	16	22	55	283
123TA7561	4900/500	3A	160	1800	420	1710	1400	1600	150x50x1200	78	14	16	22	55	275
123TA7562	4900/500	3A	160	2000	420	1910	1600	1800	150x50x1200	78	14	16	22	56	285
123TA7454	7000/600	4A	160	1350	580	1240	950	1150	150x60x1200	83	20	25	32	62	285
123TA7455	7000/600	4A	160	1400	580	1290	1000	1200	150x60x1200	83	20	25	32	62	295
123TA7456	7000/600	4A	160	1500	580	1390	1100	1300	150x60x1200	83	20	25	32	62	305
123TA7457	7000/600	4A	160	1600	580	1490	1200	1400	150x60x1200	83	20	25	32	63	325
123TA7458	7000/600	4A	160	1700	580	1690	1300	1500	150x60x1200	83	20	25	32	63	350
123TA7459	7000/600	4A	160	1800	580	1690	1400	1600	150x60x1200	83	20	25	32	64	440
123TA7460	7000/600	4A	160	1850	580	1740	1450	1650	150x60x1200	83	20	25	32	64	452
123TA7461	7000/600	4A	160	2000	580	1890	1600	1800	150x60x1200	83	20	25	32	65	475
123TA7462	7000/600	4A	160	2200	580	2090	1800	2000	150x60x1200	83	20	25	32	66	500
123TA7463	7000/600	4A	160	2400	580	2290	1800	2000	150x60x1200	83	20	25	32	66	570
123TA7464	8000/600	4A	160	1500	590	1380	1100	1300	150x70x1200	88	22	28	35	66	445
123TA7465	8000/600	4A	160	1600	590	1480	1200	1400	150x70x1200	88	22	28	35	67	460
123TA7466	8000/600	4A	160	1700	590	1580	1300	1500	150x70x1200	88	22	28	35	67	480
123TA7467	8000/600	4A	160	1800	590	1680	1400	1600	150x70x1200	88	22	28	35	68	515
123TA7468	8000/600	4A	160	2000	590	1880	1600	1800	150x70x1200	88	22	28	35	69	555
123TA7469	8000/600	4A	160	2200	590	2080	1800	2000	150x70x1200	88	22	28	35	70	605
123TA7470	8000/600	4A	160	2400	590	2280	1800	2000	150x70x1200	88	22	28	35	72	625

FORK POSITIONER (WITH FORKS, WITHOUT SIDESHIFT)

Fork adjustment is obtained with 2 hydraulic cylinders, which offer a smooth uniform movement.

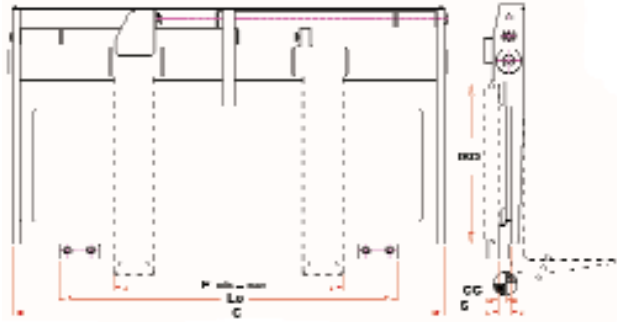


TOTALSOURCE®
Parts and Accessories

FORK POSITIONERS

REF	Capacity	ISO	Bar dPa	C	E min	max	Lo	forks (mm)	s	Hyfn	Hyfc	Hyfx	CG	Weight
	Kg/mm			mm	mm	mm	mm	mm	mm	l/mm			mm	Kg
123TA7471	1800/500	2A	160	920	330	850	720	100x35x1200	30/35	12	15	20	30	207
123TA7472	1800/500	2A	160	940	330	870	740	100x35x1200	30/35	12	15	20	30	209
123TA7473	1800/500	2A	160	980	330	910	780	100x35x1200	30/35	12	15	20	30	212
123TA7474	1800/500	2A	160	1020	330	950	820	100x35x1200	30/35	12	15	20	31	214
123TA7475	1800/500	2A	160	1040	330	970	840	100x35x1200	30/35	12	15	20	31	215
123TA7476	2500/500	2A	160	920	330	850	720	120x40x1200	30/35	12	15	20	30	217
123TA7477	2500/500	2A	160	940	330	870	740	120x40x1200	30/35	12	15	20	30	219
123TA7478	2500/500	2A	160	980	330	910	780	120x40x1200	30/35	12	15	20	30	222
123TA7479	2500/500	2A	160	1020	330	950	820	120x40x1200	30/35	12	15	20	31	224
123TA7480	2500/500	2A	160	1040	330	970	840	120x40x1200	30/35	12	15	20	31	225
123TA7481	2500/500	2A	160	1050	330	980	850	120x40x1200	30/35	12	15	20	31	225
123TA7482	2500/500	2A	160	1100	330	1030	900	120x40x1200	30/35	12	15	20	32	229
123TA7483	2500/500	2A	160	1150	330	1080	950	120x40x1200	30/35	12	15	20	32	233
123TA7484	2500/500	2A	160	1200	330	1130	1000	120x40x1200	30/35	12	15	20	33	237
123TA7485	2500/500	2A	160	1300	330	1230	1100	120x40x1200	30/35	12	15	20	33	243
123TA7563	2500/500	2A	160	1400	330	1330	1200	120x40x1200	30/35	12	15	20	34	249
123TA7564	2500/500	2A	160	1500	330	1430	1300	120x40x1200	30/35	12	15	20	34	255
123TA7486	3500/500	3A	160	1050	420	960	850	120x50x1200	40	14	16	22	41	387
123TA7487	3500/500	3A	160	1100	420	1010	900	120x50x1200	40	14	16	22	41	392
123TA7488	3500/500	3A	160	1150	420	1060	950	120x50x1200	40	14	16	22	41	397
123TA7489	3500/500	3A	160	1250	420	1160	1050	120x50x1200	40	14	16	22	41	412
123TA7490	3500/500	3A	160	1350	420	1260	1150	120x50x1200	40	14	16	22	42	420
123TA7491	3500/500	3A	160	1500	420	1410	1300	120x50x1200	40	14	16	22	42	437
123TA7492	3500/500	3A	160	1600	420	1510	1400	120x50x1200	40	14	16	22	43	446
123TA7565	3500/500	3A	160	1700	420	1610	1500	120x50x1200	40	14	16	22	45	455
123TA7566	3500/500	3A	160	1800	420	1710	1600	120x50x1200	40	14	16	22	45	447
123TA7567	3500/500	3A	160	2000	420	1910	1800	120x50x1200	40	14	16	22	46	457
123TA7493	4900/500	3A	160	1050	420	960	850	150x50x1200	40	14	16	22	41	387
123TA7494	4900/500	3A	160	1100	420	1010	900	150x50x1200	40	14	16	22	41	392
123TA7495	4900/500	3A	160	1150	420	1060	950	150x50x1200	40	14	16	22	41	397
123TA7496	4900/500	3A	160	1250	420	1160	1050	150x50x1200	40	14	16	22	41	412
123TA7497	4900/500	3A	160	1350	420	1260	1150	150x50x1200	40	14	16	22	42	420
123TA7498	4900/500	3A	160	1500	420	1410	1300	150x50x1200	40	14	16	22	42	437
123TA7499	4900/500	3A	160	1600	420	1510	1400	150x50x1200	40	14	16	22	43	446
123TA7500	4900/500	3A	160	1700	420	1610	1500	150x50x1200	40	14	16	22	45	455
123TA7501	4900/500	3A	160	1800	420	1710	1600	150x50x1200	40	14	16	22	45	447
123TA7502	4900/500	3A	160	2000	420	1910	1800	150x50x1200	40	14	16	22	46	457

FORK POSITIONER (WITH FORKS, WITHOUT SIDESHIFT)

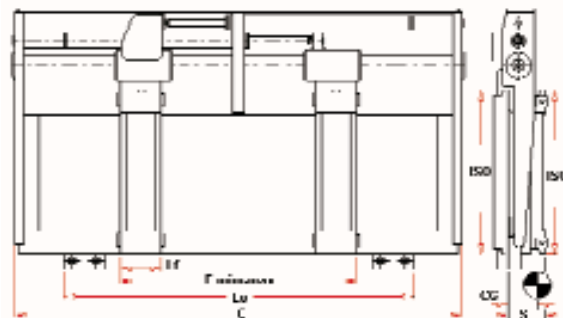


TOTAL SOURCE
Parts and Accessories

REF	Capacity	ISO	Bar dPa	C	E min	max	Lo	forks (mm)	s	Hyfn	Hyfc	Hyfx	CG	Weight
	Kg/mm			mm	mm	mm	mm	mm	mm	l/mm			mm	Kg
123TA7503	7000/600	4A	160	1350	580	1240	1050	150x60x1200	50	20	25	32	52	524
123TA7504	7000/600	4A	160	1500	580	1390	1200	150x60x1200	50	20	25	32	53	529
123TA7505	7000/600	4A	160	1700	580	1690	1400	150x60x1200	50	20	25	32	53	674
123TA7506	7000/600	4A	160	1800	580	1690	1500	150x60x1200	50	20	25	32	54	686
123TA7507	7000/600	4A	160	2000	580	1890	1700	150x60x1200	50	20	25	32	55	734
123TA7508	7000/600	4A	160	2200	580	2090	1900	150x60x1200	50	20	25	32	56	764
123TA7509	7000/600	4A	160	2400	580	2290	2100	150x60x1200	50	20	25	32	56	804
123TA7510	8000/600	4A	160	1500	590	1380	1200	150x70x1200	60	22	28	35	57	759
123TA7511	8000/600	4A	160	1600	590	1480	1300	150x70x1200	60	22	28	35	57	779
123TA7512	8000/600	4A	160	1700	590	1580	1400	150x70x1200	60	22	28	35	58	789
123TA7513	8000/600	4A	160	1800	590	1680	1500	150x70x1200	60	22	28	35	58	829
123TA7514	8000/600	4A	160	2000	590	1880	1700	150x70x1200	60	22	28	35	59	879
123TA7515	8000/600	4A	160	2200	590	2080	1900	150x70x1200	60	22	28	35	60	899
123TA7516	8000/600	4A	160	2400	590	2280	2100	150x70x1200	60	22	28	35	62	919

FORK POSITIONER (WITHOUT FORKS, WITHOUT SIDESHIFT)

Fork adjustment is obtained with 2 hydraulic cylinders, which offer a smooth uniform movement. Supplied without forks, the original forks of the truck will suit without modification. Please keep in mind that the width of the fork is not as big as dimension Lf.



TOTALSOURCE®
Parts and Accessories

FORK POSITIONERS

REF	Capacity	ISO	Bar dPa	C	E min	E max	Lo	Lf	S	Hyfn	Hyfc	Hyfx	CG	Weigth
	Kg/mm			mm	mm	mm	mm	mm	mm	L/min			mm	Kg
123TA7327	2500/500	2	160	920	330	770	700	130	95	12	15	20	30	117
123TA7328	2500/500	2	160	940	330	840	720	130	95	12	15	20	30	118
123TA7329	2500/500	2	160	980	330	910	780	130	95	12	15	20	30	120
123TA7330	2500/500	2	160	1020	330	950	820	130	95	12	15	20	30	122
123TA7331	2500/500	2	160	1040	330	970	840	130	95	12	15	20	30	123
123TA7332	2500/500	2	160	1050	330	980	850	130	95	12	15	20	31	123
123TA7333	2500/500	2	160	1100	330	1030	900	130	95	12	15	20	32	127
123TA7334	2500/500	2	160	1150	330	1080	950	130	95	12	15	20	32	131
123TA7335	2500/500	2	160	1200	330	1130	1000	130	95	12	15	20	33	135
123TA7336	2500/500	2	160	1300	330	1230	1100	130	95	12	15	20	33	141
123TA7337	2500/500	2	160	1400	330	1330	1200	130	95	12	15	20	34	147
123TA7338	2500/500	2	160	1500	330	1430	1300	130	95	12	15	20	34	153
123TA7339	4900/500	3	160	1050	420	960	850	150	110	14	16	22	41	195
123TA7340	4900/500	3	160	1100	420	1010	900	150	110	14	16	22	41	200
123TA7341	4900/500	3	160	1150	420	1060	950	150	110	14	16	22	41	205
123TA7342	4900/500	3	160	1250	420	1160	1050	150	110	14	16	22	41	220
123TA7343	4900/500	3	160	1350	420	1260	1150	150	110	14	16	22	42	228
123TA7344	4900/500	3	160	1500	420	1410	1300	150	110	14	16	22	42	245
123TA7345	4900/500	3	160	1600	420	1510	1400	150	110	14	16	22	43	254
123TA7346	4900/500	3	160	1700	420	1610	1500	150	110	14	16	22	45	263
123TA7347	4900/500	3	160	1800	420	1710	1600	150	110	14	16	22	45	255
123TA7348	4900/500	3	160	2000	420	1910	1800	150	110	14	16	22	46	265
123TA7349	7000/600	4	160	1350	580	1240	1050	180	130	20	25	32	52	270
123TA7350	7000/600	4	160	1500	580	1390	1200	180	130	20	25	32	53	285
123TA7351	7000/600	4	160	1700	580	1590	1128	180	130	20	25	32	53	420
123TA7352	7000/600	4	160	1800	580	1690	1500	180	130	20	25	32	54	432
123TA7353	7000/600	4	160	2000	580	1890	1700	180	130	20	25	32	55	480
123TA7354	7000/600	4	160	2200	580	2090	1900	180	130	20	25	32	56	510
123TA7355	7000/600	4	160	2400	580	2290	2100	180	130	20	25	32	56	550
123TA7356	8000/600	4	160	1500	590	1380	1200	200	140	22	28	35	57	465
123TA7357	8000/600	4	160	1600	590	1480	1300	200	140	22	28	35	57	485
123TA7358	8000/600	4	160	1700	590	1580	1400	200	140	22	28	35	58	495
123TA7359	8000/600	4	160	1800	590	1680	1500	200	140	22	28	35	58	535
123TA7360	8000/600	4	160	2000	590	1880	1700	200	140	22	28	35	59	585
123TA7361	8000/600	4	160	2200	590	2080	1900	200	140	22	28	35	60	605
123TA7362	8000/600	4	160	2400	590	2280	2100	200	140	22	28	35	62	625

ROTATOR 180°

Technical specifications:

- rotator: 180°, turns to the left
- without forks: forks of the truck will suit the rotator
- delivered with side support arm
- support arm can be folded away
- rotator carriage width FEM 2 1000 mm, FEM 3 1200 mm
- delivered with hoses and hydraulic quick connections



REF 105TA2759

- mounting carriage class: FEM 2
- capacity: 2500 kg/600 mm
- weight: 265 kg
- lost load centre 160 mm
- centre of gravity 60 mm

REF 106TA6317

- mounting carriage class: FEM 3
- capacity: 3500 kg/750 mm
- weight: 345 kg
- lost load centre 170 mm
- centre of gravity 65 mm



REF 116TA5869 (connection with 2 hoses and electro valve)

- mounting carriage class: FEM 2
- capacity: 2500 kg/450 mm
- weight: 335 kg
- lost load centre 170 mm
- centre of gravity 45 mm
- **with side shift** (stroke 100+100 mm)

REF 111TA6000

(connection with 4 hoses)

- mounting carriage class: FEM 2
- capacity: 2500 kg/450 mm
- weight: 335 kg
- lost load centre 170 mm
- centre of gravity 45 mm
- **with side shift** (stroke 100+100 mm)

REF 116TA5870 (connection with 2 hoses and electro valve)

- mounting carriage class: FEM 3
- capacity: 3500 kg/550 mm
- width: 1200 mm
- lost load centre 170 mm
- centre of gravity 45 mm
- **with side shift** (stroke 100+100 mm)

REF 111TA6001 (connection with 4 hoses)

- mounting carriage class: FEM 3
- capacity: 3500 kg/550 mm
- width: 1200 mm
- lost load centre 180 mm
- centre of gravity 55 mm
- **with side shift** (stroke 100+100 mm)

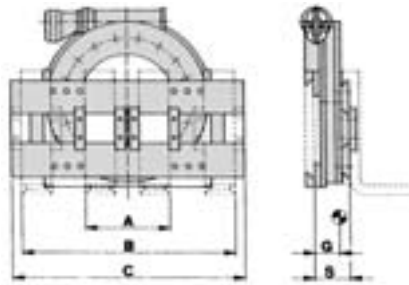


ROTATOR 360°

Used in industries where the working cycles require rotation or emptying of boxes or containers. The rotator is delivered without forks. You can use the original forks of the liftruck without modification. The distance between the forks can be adjusted manually and locked into position by specially patented brackets which prevent slipping during rotation.

REF	Attachment capacity	Load centre	Mounting class	Opening range	Fork carriage width	Weight	Lost load centre	Centre of gravity
	kg	mm		A/B (mm)	C (mm)	kg	S (mm)	G (mm)
107TA6250	1500	500	2	330/800	900	206	145	75
107TA6251	2500	500	2	360/880	980	292	145	75
107TA6252	3400	500	3	390/1020	980	380	163	90
107TA6253	4500	500	3	410/1040	1150	400	163	90
107TA6254	5000	600	4	570/1210	1150	780	190	12
107TA6255	6500	600	4	630/1510	1550	916	190	125

Maximum working pressure 160DaN/cm²
 Retractable third arm on request
 Also available in stainless steel



ROTATOR 360°

Used in industries where the working cycles require rotation or emptying of boxes or containers. The rotator is delivered without forks. You can use the original liftruck forks without modification. The distance between the forks can be adjusted manually and locked into position by specially patented brackets which prevent any slipping during rotation.

REF	Attachment capacity (kg)	centre (mm)	Mounting class	Fork carriage width (mm)	Weight (kg)	Lost load centre (mm)	Centre of gravity (mm)
107TA6242	1500	500	2	900	215	142	75
107TA6243	2000	500	2	980	220	142	84
107TA6244	2500	500	2	980	230	142	84
107TA6245	3200	500	3	1150	360	163	100
107TA6246	4000	500	3	1150	380	180	108
107TA6247	4800	500	3	1550	430	185	113
107TA6248	5500	600	4	1740	760	186	115
107TA6249	7000	600	4	1740	770	186	115

Maximum working pressure 130DaN/cm².
 Retractable third arm on request.



SWEEPER WITH 2 HYDRAULIC HOSES FROM LIFTRUCK

The sweeper is your partner for medium heavy use. It can be mounted on the forks of a forklift with adaptors, the connection adjusts automatically in height (for use on rough surfaces). The sweeper machine is equipped with a polypropylene brush driven by a hydraulic motor which is mounted at the outside of the sweeper machine. The min. required oil flow of the machine is 20l/min and operating pressure **150-200 bar**. The sweeper is always equipped with an extra support wheel. (180mm x 50mm)

- **robust construction**
- **flexible mounting**
- **adjustable left/right sweeping**
- **1 hydraulic function required**
- **other brush-materials available**
- **different widths available**
- **2 hoses and quick hydraulic connections included**
- **max. fork section 165 x 70 mm**



STANDARD ECONOMIC VERSION



3RD support wheel
Adjustable in height.
Diameter: 180mm



3 DIRECTIONAL CLUTCH
For optimal adjustment to all surfaces. This also ensures easy handling, at any time.



SIDE BRUSH
Adjustable in height.
Diameter: 600mm
Polypropylene
Driven by the same hydraulic motor as the main brush



JET-SYSTEM
Reduces dust during sweeping.
200L tank
12/24 volt pressure pump
5 sprayjets/metre
5 metre of electrical cable included



DUST BOX
The dust box can be emptied manually by means of a lever and cable (**emptying by hydraulic cylinder** on request).



EASY SWERVING
By changing the lever, the sweep direction can easily be adjusted.

SWEeper WITH 2 HYDRAULIC HOSES FROM LIFTRUCK • Ø 530MM

- Delivered with 2 hoses and hydraulic quick connections
- Max fork section 165 x 70 mm
- Fully tested and CE certified

WIDTH mm	NORMAL VERSION WITHOUT DUST BOX	NORMAL VERSION WITH DUST BOX	NORMAL VERSION WITH DUST BOX & SIDEBRUSH	NORMAL VERSION WITH DUST BOX, SIDEBRUSH AND WATER JET SYSTEM	DUST BOX VOLUME
Ø 530					
1250 mm	REF 123TA5474	REF 111TA3689	REF 111TA3690	REF 111TA3691	250 litres
1550 mm	REF 123TA5475	REF 111TA3693	REF 111TA3694	REF 111TA3695	310 litres
1850 mm	REF 123TA5476	REF 111TA3697	REF 111TA3698	REF 111TA3699	370 litres
2150 mm	REF 123TA5477	REF 123TA5479	REF 123TA5480	REF 123TA5481	430 litres
2300 mm	REF 123TA5478	REF 111TA3701	REF 111TA3702	REF 111TA3703	460 litres

DIMENSIONS

Ø 530	width mm	depth mm	height mm	weight kg		width mm	depth mm	height mm	weight kg
123TA5474	1550	1880	820	205	111TA3690	1900	1800	1400	267
123TA5475	1850	1880	820	215	111TA3694	2200	1800	1400	279
123TA5476	2150	1880	820	245	111TA3698	2500	1800	1400	313
123TA5477	2650	1880	820	277	123TA5480	2800	1800	1400	315
123TA5478	2800	1880	820	322	111TA3702	2950	1800	1400	396
111TA3689	1550	1880	820	252	111TA3691	1900	1800	1400	297
111TA3693	1850	1880	820	264	111TA3695	2200	1800	1400	309
111TA3697	2150	1880	820	298	111TA3699	2500	1800	1400	343
123TA5479	2650	1880	820	300	123TA5481	2800	1800	1400	345
111TA3701	2800	1880	820	381	111TA3703	2950	1800	1400	426

SWEeper WITH 2 HYDRAULIC HOSES FROM LIFTRUCK • Ø 560MM

- Delivered with 2 hoses and hydraulic quick connections
- Max fork section 165 x 70 mm
- Fully tested and CE certified

WIDTH mm	NORMAL VERSION WITHOUT DUST BOX	NORMAL VERSION WITH DUST BOX	NORMAL VERSION WITH DUST BOX & SIDEBRUSH	NORMAL VERSION WITH DUST BOX, SIDEBRUSH AND WATER JET SYSTEM	DUST BOX
Ø 560					
1250 mm	REF 123TA5482	REF 123TA5487	REF 123TA5492	REF 123TA5497	250 litres
1550 mm	REF 123TA5483	REF 123TA5488	REF 123TA5493	REF 123TA5498	310 litres
1850 mm	REF 123TA5484	REF 123TA5489	REF 123TA5494	REF 123TA5499	370 litres
2150 mm	REF 123TA5485	REF 123TA5490	REF 123TA5495	REF 123TA5500	430 litres
2300 mm	REF 123TA5486	REF 123TA5491	REF 123TA5496	REF 123TA5501	460 litres

DIMENSIONS

Ø 560	width mm	depth mm	height mm	weight kg		width mm	depth mm	height mm	weight kg
123TA5482	1350	1200	1200	215	123TA5492	1350	2255	1700	277
123TA5483	1750	1200	1200	225	123TA5493	1750	2255	1700	289
123TA5484	1950	1200	1200	255	123TA5494	1950	2255	1700	323
123TA5485	2350	1200	1200	287	123TA5495	2350	2255	1700	325
123TA5486	2500	1200	1200	332	123TA5496	2500	2255	1700	406
123TA5487	1350	1700	1200	262	123TA5497	1350	2255	1700	307
123TA5488	1750	1700	1200	274	123TA5498	1750	2255	1700	319
123TA5489	1950	1700	1200	308	123TA5499	1980	2255	1700	353
123TA5490	2350	1700	1200	310	123TA5500	2350	2255	1700	355
123TA5491	2500	1700	1200	391	123TA5501	2500	2255	1700	436

**HEAVY-DUTY
VERSION**

HYDROSWEEPER WITH 2 HYDRAULIC HOSES FROM LIFTTRUCK

WIDTH	STANDARD TYPE	WITH SIDEBRUSH	WITH SIDEBRUSH AND WATER JET SYSTEM	DUST BOX VOLUME
1200 mm	REF 107TA6101	REF 107TA6089	REF 107TA6095	160 litres
1600 mm	REF 107TA6102	REF 107TA6090	REF 107TA6096	210 litres
2000 mm	REF 107TA6103	REF 107TA6091	REF 107TA6097	260 litres



HYDROSWEEPER WITH PETROL ENGINE FOR INDEPENDENT HYDRAULIC SYSTEM.

WIDTH	STANDARD TYPE	WITH SIDEBRUSH	WITH SIDEBRUSH AND WATER JET SYSTEM	DUST BOX VOL.
1200 mm	REF 107TA6098	REF 107TA6086	REF 107TA6092	160 litres
1600 mm	REF 107TA6099	REF 107TA6087	REF 107TA6093	210 litres
2000 mm	REF 107TA6100	REF 107TA6088	REF 107TA6094	260 litres

GASOLINE ENGINE 14 HP BRAND NAME "KOHLER"



HYDROSWEEPER is quality on a very high level and makes good profit in the daily work, because the machine sweeps and picks up in one pass without any dust inconveniences. The special fork-keepers on the HYDROSWEEPER make it possible to mount and dismount the forklift in less than a minute. The parallel-mounted brush gives excellent sweeping-results under all circumstances, also on outlets, rails, etc. Heavy and wet waste is no longer a problem, and the HYDROSWEEPER sweeps perfectly on asphalt and paving stones. The emptying of the container can be done mechanically directly into another container. For sweeping along walls and curbstones, the HYDROSWEEPER can be fitted with a rotating sidebrush. The hydraulic system makes the sweeper reliable and service-friendly. The water jet system permits to spray water on the floor (2 jets on width 1200mm & 3 jets on width 1600, 2000mm) and the side brush is also equipped with 1 waterjet. The water jet system has a 50L tank with internal filter and electric pressure pump (12V) with 4,5m cable. (optional extra 50L tank)

TECHNICAL DETAILS	REF 107TA6101	REF 107TA6102	REF 107TA6103
Working width	1200 mm	1600 mm	2000 mm
Length	1680 mm	1680 mm	1680 mm
Width	1410 mm	1810 mm	2210 mm
Height	800 mm	800 mm	800 mm
Weight	300 kg	350 kg	400 kg
Weight with engine	340 kg	390 kg	440 kg
Requested oil flow	25L/min.	25L/min.	25L/min.
Requested oil pressure (min-max)	120-200 bar	130-200 bar	140-200 bar
Number of wheels	3	4	4
Size of wheels	Ø 250 mm	Ø 250 mm	Ø 250 mm
Dust-box - volume	160 ltr.	210 ltr.	260 ltr.
Releasesystem / emptying	String/pawl	String/pawl	String/pawl
Brush - diameter	580 mm	580 mm	580 mm
Brush - material	steel/polypro (mix)	steel/polypro (mix)	steel/polypro (mix)
Side brush - diameter	600 mm	600 mm	600 mm
Side brush - material	steel	steel	steel

• 1 hydraulic function is required.



MAGNETIC SWEEPER

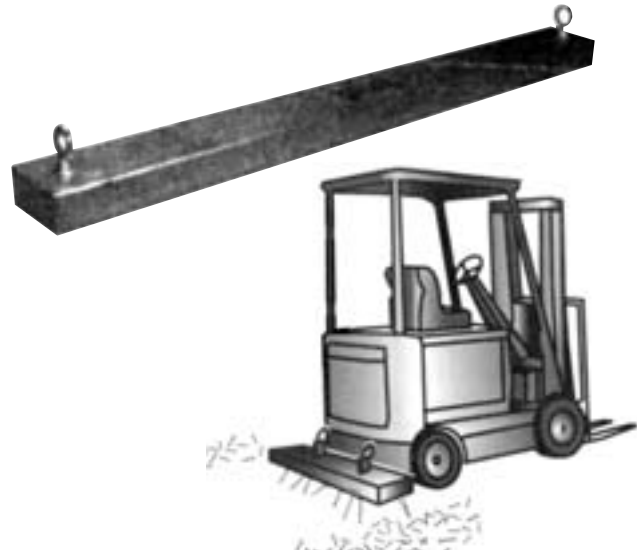
MAGNETIC SWEEPERS & SCOOPS

Any industrial truck without a magnetic sweeper is only doing half the job!
Eliminate nails • Eliminate scrap steel • Eliminate flats

Highest performance available from a permanent magnetic sweeper

Quality magnetic road sweepers that are built to last. These units are designed for all purposes, heavy-duty use and will eliminate iron objects and steel trash from service/maintenance areas, lots, ramps and loading docks. The unit is designed for easy mounting on push tugs, forklifts, yard trucks, etc., used where steel waste causes costly damage to tyres, equipment and/or employee injury. **REF 107TA6256** and **REF 107TA6257** are constructed from quality permanent magnets encased in aluminium. **REF 107TA6257** available in stainless steel at an additional cost.

REF	Length mm	Ground clearance mm
107TA6256	915	25-75
107TA6257	915	25-125



Product features:

- Exclusive insulation process used to prevent internal damage on impact.
- Packed with highest strength magnets.
- Magnets mounted to steel frame.
- 1/2" eyebolts mounted to inner steel.
- 1/2" aluminium end caps secured with tension pins.

FORK MOUNTED HYDRAULIC SCOOP



REF 106TA7563

Technical specifications:

- Capacity: 1.100 L
- Width: 1.800 mm
- Height: 650 mm
- Depth: 1.400 mm
- Weight: 360 Kg
- delivered with hoses and hydraulic quick connections



REF 106TA7564

Technical specifications:

- Capacity: 950 L
- Width: 1600 mm
- Height: 650 mm
- Depth: 1.400 mm
- Weight: 335 Kg
- delivered with hoses and hydraulic quick connections

FORK MOUNTED MECHANICAL SCOOP

SCOOP

Mechanical scoops are essential all-round mechanically operated attachments. Ideal for handling a variety of loose materials such as sand, coal, grain, scrap metal. The scoop has a blade thickness of 6 mm and is equipped with a hardened attack blade of 15 mm.

Secured on the fork carriage with chain.

The scoop is entirely operated from the liftruck by using a lever system.

Fully tested.

REF	REF with hydraulic cylinder	Volume	Width (mm)	Overall width of the bucket	Depth	Overall depth of the bucket	Height	Overall height of the bucket	Min. fork spread between forks	Max. fork section	Weight
		litres	mm	mm	mm	mm	mm	mm	mm	mm	kg
107TA6270	111TA1886	600	1000	1130	1300	1886	600	876	560	180 x 70	220
107TA6271	111TA1887	800	1300	1430	1300	1886	600	876	560	180 x 70	250
107TA6272	111TA1888	1000	1600	1730	1300	1886	600	876	560	180 x 70	280
107TA6276	107TA6273	1200	1700	1800	1300	2050	650	876	450	160 x 65	330

* Hydraulic cylinder: delivered without hoses.

Painted red.

Other dimensions on request.



FORK MOUNTED MECHANICAL SCOOP WITH FORKHOLES IN THE SCOOP

With the forkholes in the scoop, the load centre is closer to the fork carriage (minimum loss capacity of truck).

Mechanical scoops are essential all-round mechanically operated attachments. Ideal for handling a variety of loose materials such as sand, coal, grain, scrap metal. The scoop has a blade thickness of 6 mm and is equipped with a hardened attack blade of 15 mm.

The scoop is entirely operated from the liftruck.

Fully tested.

Secured on the fork carriage with chain.

REF	REF with hydraulic cylinder	Volume	Width (mm)	Overall width of the bucket	Depth	Overall depth of the bucket	Height	Overall height of the bucket	Min. fork spread between forks	Max. fork section	Weight
		litres	mm	mm	mm	mm	mm	mm	mm	mm	kg
107TA6264	115TA2138	500	1100	1200	1000	1350	500	876	450	160 x 65	180
107TA6265	115TA2137	750	1200	1300	1200	1550	550	876	450	160 x 65	210
107TA6266	107TA6260	1000	1600	1700	1300	1650	650	876	450	160 x 65	312

* Hydraulic cylinder: delivered without hoses.

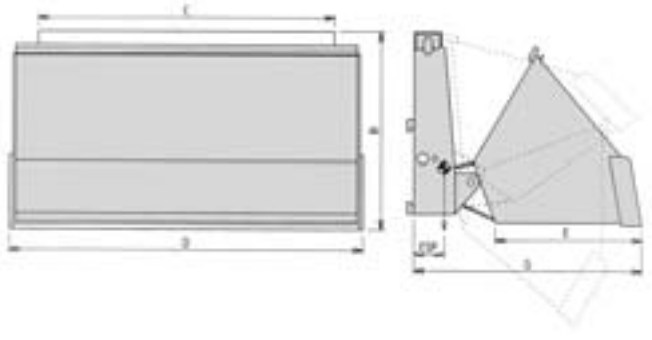


CARRIAGE MOUNTED HYDRAULIC SCOOP

These very sturdy containers are made from 6 mm thick steel plates and have a hard-wearing welded manganese blade. The scoop is equipped with two hydraulic cylinders. Capacity: 2500kg/m²

REF	Volume	Carriage	Capacity	Width (D)	Depth (E)	Depth (G)	Height (B)	Fork carriage width (C)	Load centre	Centre of gravity (ESP)	Own centre	Weight
	litres	fem	Kg	mm	mm	mm	mm	mm	mm	mm	mm	mm
107TA6286	700	2	1750	1300	900	1300	1000	1000	740	320	320	500
107TA6287	700	3	1750	1300	900	1300	1000	1000	740	320	320	500
107TA6288	900	2	2250	1300	900	1300	1100	1000	680	320	320	520
107TA6289	900	3	2250	1300	900	1300	1100	1000	680	320	320	520
107TA6290	1000	2	2500	1500	1050	1450	1100	1000	740	320	320	530
107TA6291	1000	3	2500	1500	1050	1450	1100	1000	740	320	320	530
107TA6292	1250	2	3125	1800	1250	1450	1100	1000	750	340	340	540
107TA6293	1250	3	3125	1800	1250	1450	1100	1000	750	340	340	540
107TA6294	1500	2	3750	2000	1250	1500	1100	1000	800	400	400	595
107TA6295	1500	3	3750	2000	1250	1500	1100	1000	800	400	400	595
107TA6296	1800	3	4500	2000	1300	1600	1260	1000	980	620	600	620
107TA6297	1800	4	4500	2000	1300	1600	1260	1000	980	620	600	620

Hydraulic cylinders delivered without hydraulic hoses. It is best to use a scoop which is slightly wider than the forklift truck. Other dimensions on request. Painted red.



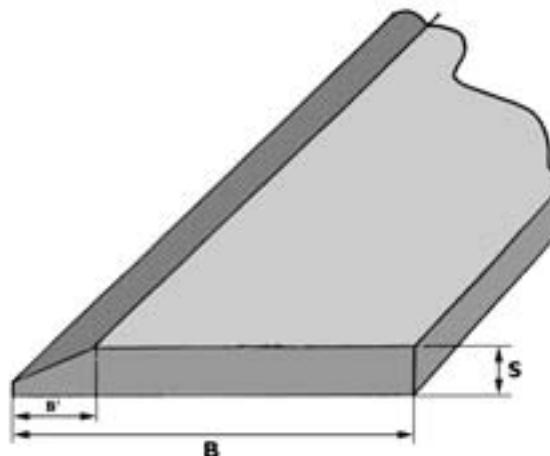
ATTACK BLADES FOR BUCKETS

Hardness brinell 400

REF	Kg/m	B	S	B1
107TA6280	18	150	16	30
107TA6281	23	150	20	35
107TA6282	31	200	20	35
107TA6283	37	200	25	41
107TA6284	47	250	25	41
107TA6285	56	250	30	40

Hardness brinell 280

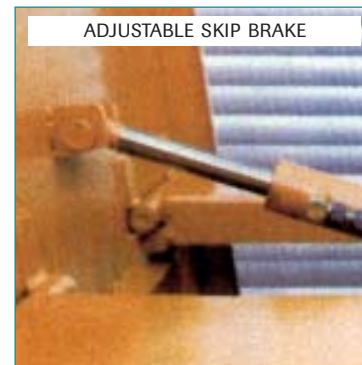
REF	Kg/m	B	S	B1
125TA9608	18	150	16	30
125TA9609	23	150	20	35
125TA9610	31	200	20	35
125TA9611	37	200	25	41
125TA9612	47	250	25	41
125TA9613	56	250	30	40



LOW LOADING SKIPS

These skips are particularly suitable for applications based on a low construction height, such as work benches, punching and cutting machines, saws, etc. Generally, the container is supplied in dimensions varying from 0,3 up to 1,5m³. However, other dimensions are available upon request. Another big advantage is the favourable angle at which this guarantees a completely empty skip, even with viscous liquids.

The scoop is entirely mechanically operated from the lifttruck by using a lever system. Fully tested and CE certified. Secured on the fork carriage with a chain.



ADJUSTABLE SKIP BRAKE

REF	REF*	REF**	REF***	vol.	width bucket	overall width	depth bucket	overall depth	height bucket	overall height	height with wheels	min fork spread	max fork section	weight
				litre	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
107TA6353	107TA6344	107TA6347	107TA6350	500	700	780	1200	1440	680	690	880	150	150x60	121
107TA6354	107TA6345	107TA6348	107TA6351	750	1200	1280	1200	1440	680	690	880	495	200x60	156
107TA6355	107TA6346	107TA6349	107TA6352	1000	1100	1230	1300	1880	720	720	920	515	160x70	230
107TA6360	107TA6356			1300	1300	1430	1500	1880	720	720	920	515	160x70	260
107TA6361	107TA6357	107TA6358	107TA6359	1500	1200	1280	1400	1640	1090	1100	1290	495	200x60	215

other dimensions on request

- * with 2 swivel nylon castors and 2 fixed nylon castors, diameter 200mm
- ** with adjustable skip brake
- *** with 2 swivel nylon castors and 2 fixed nylon castors, diameter 200mm and adjustable skip brake

500, 750 and 1500 litre low loading skips are painted orange, other types are painted red.

The adjustable skip brake prevents the containers from being emptied in fits and starts. This results in less noise and less damage to the lifttruck.

Options:

- Galvanised cover in two parts
- Perforated bottom with tap
- Galvanised finish
- Oil and water proof





ROLL FORWARD SKIPS

The balanced skip body allows relocking without leaving the truck seat.
To be fork mounted.

Material thickness 3 mm.

Water and oil proof.

Thanks to the unique unlatching mechanism (buffer), the container tips over automatically, without the driver having to leave his seat.

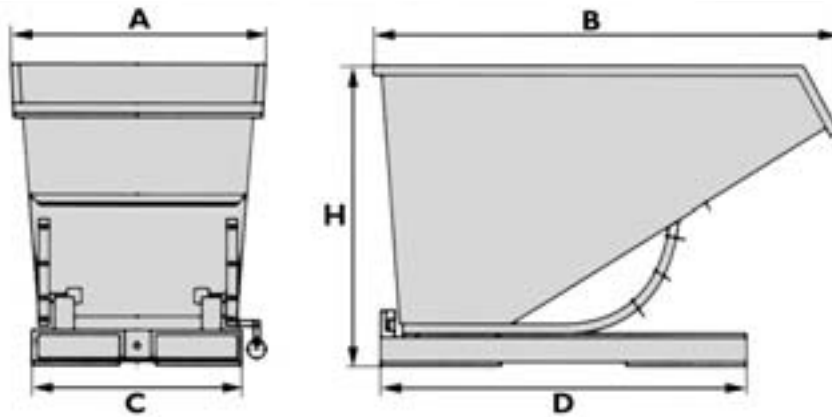
Furthermore, the container can also be emptied manually by means of a lever and cable.

REF without wheels	REF with black rubber wheels	REF with white nylon wheels	Volume	Width (mm)	Length (mm)	Width of frame (mm)	Max fork section	Length of frame (mm)	Height without wheels (mm)	Height with wheels (mm)	maximum fork length for autom. locking	Weight
			litre	A	B	C	MM	D	H	H	MM	KG
107TA6328	107TA6298	107TA6304	600	864	1450	730	200x100	1110	884	1134	1200	180
107TA6329	107TA6299	107TA6305	900	1314	1450	730	200x100	1110	884	1134	1200	206
107TA6330	107TA6300	107TA6306	1100	1064	1803	730	200x100	1320	1066	1316	1400	231
107TA6331	107TA6301	107TA6307	1500	1544	1803	730	200x100	1616	1066	1316	1400	324
107TA6332	107TA6302	107TA6308	2000	1280	1977	1050	200x100	1616	1396	1646	1700	350
107TA6333	107TA6303	107TA6309	2500	1530	1977	1050	200x100	1616	1396	1646	1700	376

* 2 swivel castors and 2 fixed castors, diameter 200 mm

If the forks are too long to use the automatic fork lock, the container can be locked onto the fork carriage with a chain.

Options: Perforated bottom with tap.
Galvanised finish.
Other dimension upon request.



ROLL FORWARD SKIPS

Balanced skip body allows relocking without leaving the truck seat. • The ultimate container for industrial and production waste etc. • Ideally placed load centre of gravity. • Tipping guide. • Balanced frame. • Unlatching is possible from both sides • The skip is entirely mechanically operated from the liftruck by using a lever system. • Suitable for low weight materials.

- To be fork-mounted.
- Material thickness 3 mm.
- Secured on the fork carriage with chain.

Fully tested and CE certified.

Options: Perforated bottom with tap.
Water and oil proof.
Galvanised finish.
Other sizes on request.



REF without wheels	* REF with wheels	Volume	Width of the skip	Overall width of the skip	Depth of the skip	Overall depth of the skip	Height of the skip	Total height of the skip	Total height with wheels	Min. fork spread between forks	Max. fork section	Weight
		litres	mm	mm	mm	mm	mm	mm	mm	mm	mm	KG
107TA6337	107TA6334	500	740	1008	1240	1320	960	1060	1260	600	200x80	164
107TA6338	107TA6335	750	1110	1190	1240	1320	960	1060	1134	600	200x80	188
107TA6339	107TA6336	1000	1480	1560	1240	1110	960	1060	1134	600	200x80	170

* 2 nylon swivel castors and 2 nylon fixed castors, diameter 200 mm.

BOTTOM EMPTYING DUMPING SKIPS

Bottom emptying dumping skips are designed to simplify the moving and disposal of factory waste.

The scoop is entirely mechanically operated from the liftruck by using a lever system.

Secured on the fork carriage with chain.

Painted orange.

Fully tested and CE certified.

Minimum fork length required: 1100mm.



REF	Volume	Width/overall width	Depth/overall depth	Height/overall height	Min. fork spread between forks	Max fork section	Weight	Capacity
	litre	mm	mm	mm	mm	mm	KG	KG
107TA6340	570	1500/1580	875/955	500/630	630	160x70	220	1000
107TA6341	750	1500/1580	875/955	600/730	630	160x70	230	1730
107TA6342	1000	1500/1580	875/955	750/880	630	160x70	250	1750
124TA1938	1300	1500/1580	875/955	1000/1130	630	160x70	280	1780
107TA6343	1500	1500/1580	875/955	1200/1330	630	160x70	310	1810



LOW LOADING SKIPS

These skips are particularly suitable for applications based on a low construction height, such as work benches, punching and cutting machines, saws etc. Generally, the container is supplied in dimensions varying from 0,3 up to 1,5m³. However, other dimensions are available on request. Another big advantage is the favourable angle at which this guarantees a completely empty skip, even with viscous liquids.

The scoop is entirely mechanically operated from the liftruck by using a lever system Fully tested and CE certified.
Secured to the fork carriage with chain.



REF	* REF with 4 castors	** REF with adj. skip brake	***REF With 4 castors and adj. skip brake	Volume	Width (mm)	Overall width of the bucket	Depth	Overall depth of the bucket	Height	Overall height of the bucket	Total height with castors	Min fork spread between forks	Max fork section	Weight
				litres	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
107TA6353	107TA6344	107TA6347	107TA6350	500	700	780	1200	1440	680	690	880	150	150 x 60	121
107TA6354	107TA6345	107TA6348	107TA6351	750	1200	1280	1200	1440	680	690	880	495	200 x 60	156
107TA6355	107TA6346	107TA6349	107TA6352	1000	1100	1230	1300	1880	720	720	920	515	160 x 70	230
107TA6360	107TA6356			1300	1300	1430	1500	1880	720	720	920	515	160 x 70	260
107TA6361	107TA6357	107TA6358	107TA6359	1500	1200	1280	1400	1640	1090	1100	1290	495	200 x 60	215

* With 2 swivel nylon castors and 2 fixed nylon castors, diameter 200 mm.

** With adjustable skip brake.

*** With 2 nylon swivel castors and 2 fixed nylon castors, diameter 200 mm and adjustable skip brake.

500, 750 and 1500 litre low loading skips are painted orange, other types are painted red.



The adjustable skip brake prevents the containers from being emptied in fits and starts. This results in less noise and less damage to the liftruck.

HYDRAULIC SYSTEM FOR EMPTYING ROLL CONTAINERS



REF 111TA6091



- Fully tested and CE certified.
- Roll containers must be manufactured in conformity with DIN 30700, DIN EN 840-3 regulations.
- System can empty plastic and steel containers of 770 L and 1100 L.
- The roll container must be equipped with 4 castors.
- Working pressure minimum 130 bar.
- Manual connection of the container to the system.
- Maximum fork section: 200 x 60 mm.
- Minimum fork spread between the forks: 115 mm.
- Secured to the fork carriage with chain.
- Fork-mounted system.
- 1 hydraulic function required.

ROLL CONTAINERS



1



2

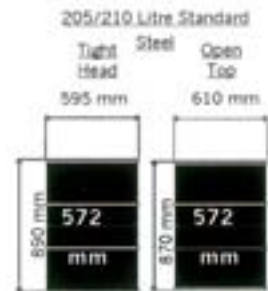
Galvanised version. Equipped with 2 swivel castors and 2 swivel castors with brake. Manufactured in conformity with DIN 30700 regulation. Material thickness 2,5 mm.

REF	Volume	Width	Depth	Height incl. castors	Weight	MODEL
111TA6092	770 L	1360 mm	760 mm	1370 mm	123 kg	1
111TA6093	1100 L	1360 mm	1043 mm	1370 mm	125 kg	2

MECHANICAL DRUM CLAMP TO SUPPORT STEEL DRUMS FROM THE TOP

REF	Capacity	No of drums	Min. fork spread between forks	Max. fork section	Weight
	kg		mm	mm	kg
107TA6370	500	1	510	160 x 65	90
107TA6371	1000	2	510	160 x 65	145
107TA6372	1500	3	510	160 x 65	175

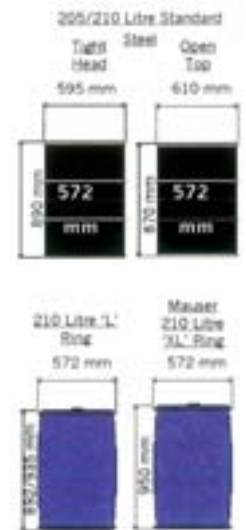
Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Painted red.
Automatic drum locking and releasing.



DRUM CLAMP TO SUPPORT STEEL DRUMS

REF	Capacity	No of drums	Min. fork spread between forks	Max. fork section	Weight
	kg		mm	mm	kg
107TA6366	400	1	510	160 x 65	95
107TA6367	800	2	510	160 x 65	145
107TA6368	1200	3	510	160 x 65	188
107TA6369	1600	4	510	160 x 65	239

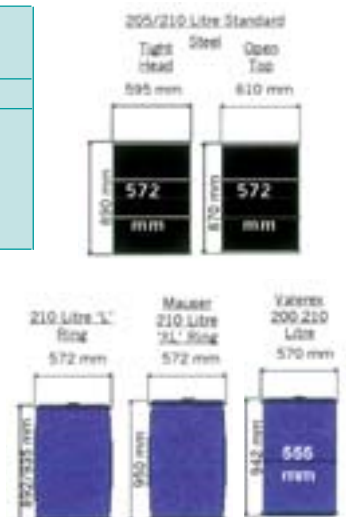
Plastic L-ring and XL-ring drums from the top.
Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Painted red.
Automatic drum locking and releasing.



DRUM CLAMP TO SUPPORT STEEL DRUMS, PLASTIC L-RING, XL-RING DRUMS AND VALEREX DRUMS FROM THE TOP

REF	Capacity	No of drums	Min. fork spread between forks	Max. fork section	Weight
	kg		mm	mm	kg
107TA6362	400	1	510	160 x 65	95
107TA6363	800	2	510	160 x 65	145
107TA6364	1200	3	510	160 x 65	188
107TA6365	1600	4	510	160 x 65	239

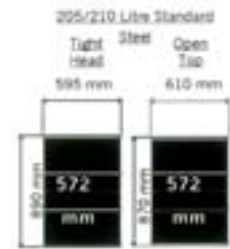
Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Painted red.
Automatic drum locking and releasing.





MECHANICAL DRUM CLAMP TO SUPPORT STEEL DRUMS OF 200 LITRES AT THE CONTOUR

REF	Capacity	No of drums	Min. fork spread between forks	Max. fork section	Weight
	kg		mm	mm	kg
107TA6377	200	1	425	125 x 45	40
107TA6378	1000	2	635	160 x 65	60

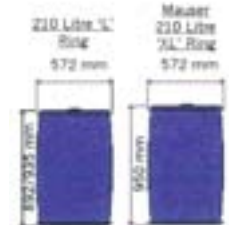
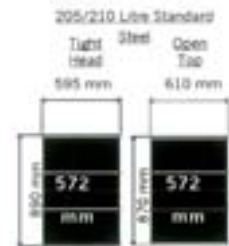


Other types on request.
Fully tested and CE certified.
Secured to the forks by thumb screws.
Painted orange.
Automatic drum locking and releasing.



MECHANICAL DRUM CLAMP TO SUPPORT STEEL DRUMS OF 200 LITRES, PLASTIC L-RING AND PLASTIC XL-RING DRUMS, AT THE CONTOUR

REF	Capacity	No of drums	Min. fork spread between forks	Max. fork section	Weight
	kg		mm	mm	kg
107TA6375	500	1	425	125 x 45	42
107TA6376	1000	2	635	160 x 65	62



Other types on request.
Fully tested and CE certified.
Secured to the forks by thumb screws.
Painted orange.
Automatic drum locking and releasing.



DRUM POSITIONER

Designed for upending or horizontally placed 200 litres steel drums.
Operated without the truck driver leaving his seat.
The drum positioner is entirely mechanically operated from the lifttruck by using a lever system.

REF	Capacity	No of drums	Min. fork spread between forks	Max. fork section	Weight
	kg		mm	mm	kg
107TA6373	300	1	290	150 x 60	105
107TA6374	600	2	290	150 x 60	130

The attachment will not work on smooth floors.

Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Painted orange.



DRUM ROTATORS

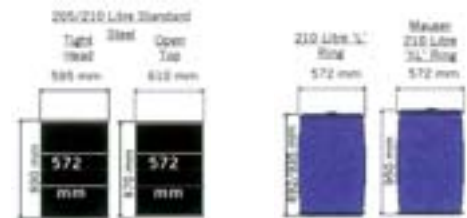
Drum rotators are specially designed for controlled and effortless pouring of contents from all drums. All drum rotators are fitted with worm gear boxes which feature full 360 degree rotation and a unique locking facility enabling drums to be held at any angle. This rotator is suitable for steel drums of 200 litres and steel, plastic L-ring and XL-drums of 210 litres.

The plastic drums may not be egg-shaped or conical.

REF	Mounting	No of drums	Type of drum	capacity kg		Rotating °	Type of control	Min. fork spread between forks mm	Max. fork section mm	Weight kg
				steel drum	plastic drum					
107TA6380	Fork	1	steel & plastic	300	225	360	hand wheel	680	160 x 60	83
107TA6381	Fork	1	steel & plastic	300	225	360	looped chain	680	160 x 60	90
107TA6379*	Fork	1	steel & plastic	360	360	270	hand wheel	540	150 x 60	146
107TA6382*	Fork	1	steel & plastic	360	360	270	looped chain	540	150 x 60	152
107TA6383	Crane	1	steel	360		360	looped chain	350	180 x 70	98

* diameter of drum 490 - 590 mm

Fully tested and CE certified.
Secured to the fork carriage with chain.
Drum rotators for steel drums are painted red.
Other versions painted orange.



REF 107TA6379



REF 107TA6383



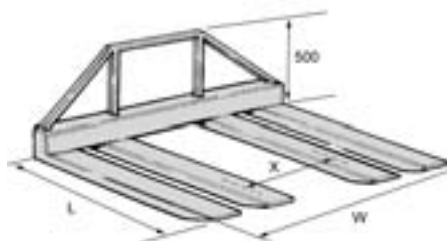
REF 107TA6380

FOUR FORK ATTACHMENTS

Four fork attachments are designed to increase load stability when handling wide pallets or long objects. Ideal to prevent sagging and to reduce damage to wide loads.

REF	W (mm)	Capacity (kg)	L (mm)	Max. fork section (mm) of the truck forks
107TA6384	1500	1500	1200	150 x 60
107TA6385	2000	2000	1200	150 x 60
107TA6386	2500	2500	1200	150 x 60
107TA6387	3000	3000	1200	150 x 60

Safely secured behind the fork heels with locking pins.
(similar as fork extensions)
Quickly attachable and removable.
Polyester powder-coated in bright orange for safety.
Fully tested and CE certified.



Please indicate section, dimension X and length of the forks mounted on your truck at time of order.



FIXED SNOW PLOUGH

A fork-mounted plough with a fixed blade position which clears the snow to the right. A standard rubber wear strip is fitted along the bottom of the blade.

REF	Blade width	Blade height	Min. fork spread between forks	Max. fork section	Weight
	mm	mm	mm	mm	kg
105TA2762	1800	500	610	190 x 50	160

Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Painted red.



ADJUSTABLE SNOW PLOUGH

A fork-mounted plough, a simple adjustment allows to sweep left, right inclined 30°
Rubber blade insert fitted as standard.
Suitable for smooth surfaces.

REF	Blade width	Blade height	Min. fork spread between forks	Max. fork section	Weight
	mm	mm	mm	mm	kg
105TA2763	1800	500	610	190 x 50	180
107TA6390	2000	620	420	190 x 50	214
107TA6391	2400	620	420	190 x 50	239

Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Width 1800mm painted red, other types painted orange.



SPRUNG SNOW PLOUGH

A fork-mounted plough, ideal for cleaning areas where hidden objects are likely to be encountered. Spring-loaded blade minimises damage to the plough and to objects such as manhole covers. Suitable for rough surfaces.

REF	Blade width	Blade height	Min. fork spread between forks	Max. fork section	Weight
	mm	mm	mm	mm	kg
105TA2764	1800	720	420	180 x 70	180
107TA6388	2000	720	420	180 x 70	250
107TA6389	2400	720	420	180 x 70	289

Other types on request.
Fully tested and CE certified.
Secured to the fork carriage with chain.
Painted orange.



YARD SCRAPERS

This attachment is a general purpose appliance suitable for a variety of scraping applications such as cleaning of warehouse floors, exhibition halls, etc.

The squeegee rubber can be rotated 180° if worn on 1 side. (both sides are usable)

The squeegee rubber contains vulcanised wires for extra long use.

Fully tested and CE certified.

Fork-mounted.
Secured with chain to the fork carriage.
The yard scraper is painted red.



REF	Blade width mm	Blade height mm	Blade thickness mm	Min. fork spread between forks mm	Max. fork section mm	Weight kg
107TA9626	2000	400	35	630	130 x 45	90
107TA6393	2650	400	35	630	130 x 45	130

MECHANICAL GRITTER FOR SAND, SALT AND GRIT

REF 122TA7460

- can be mounted on counterbalance hook of the truck
- equipped with 2 solid rubber tyres
- fully tested and CE certified.

Technical data:

- adjustable gritting range 1 - 6 m
- funnel volume 105 L
- weight 28 kg



GRITTER FOR SAND, SALT AND GRIT

REF 116TA6155

- driven by forklift hydraulic system
- variable gritting range
- stirring mechanism
- protective grid as cover
- fork sleeves for pick-up by a forklift
- volume approx. 265 L

Technical data:

- max. gritting range 9 m
- funnel volume 265 L
- fork sleeves 200 x 70 mm
- weight 90 kg
- total permitted weight 450 kg
- min. oil consumption 15 L/min
- max. output 80 L/min.



FORK-MOUNTED MECHANICAL SWEEPER

Sweeper is equipped with 6 or 8 brushes (piece by piece replaceable)
 A simple adjustment allows to sweep to the left and to the right
 on several degrees or straight ahead.
 Secured safely on the forks with thumb screws.
 Fully tested and CE certified.



total source®	brush width	Min fork spread between forks	Max fork section	Weight
	mm	mm	mm	kg
122TA7461	1500	450	160x60	55
122TA7462	2000	450	160x60	65

SAFETY CAGES

WORK PLATFORMS

Work platforms perform a variety of applications, they are particularly suitable for routine maintenance, inspection and for stock taking purposes. Whatever the application, work platforms ensure confidence and safety to all users when working at high levels. Be aware that national restrictions on use may exist. Check with local authorities first.

REF	REF with 4 castors	mounting	toolbox	weight (kg)	capacity (kg)
107TA6395	107TA6397	fork	yes	120	300
107TA6396 (authorized in The Netherlands)	107TA6398	fork	yes	130	300
107TA6394	107TA6399	crane on 4 points, fork	no	200	300

Platform size: 1115 x 1200 x 1890 mm.

Capacity: 2 persons.

Safely secured to truck using lock pins behind the fork heels.

All models suitable for maximum 200 x 80 mm fork sizes, min. fork spread between forks 600mm

Fully tested and CE certified.

Painted orange.



REF 107TA6395



REF 107TA6394



REF 107TA6396



REF 107TA6397
(authorized in the Netherlands)

FOLDABLE WORK PLATFORM

Work platforms perform a variety of applications, they are particularly suitable for routine maintenance, inspection and for stock taking purposes. Whatever the application, work platforms ensure confidence and safety to all users when working at high level. Be aware that national restrictions on use may exist. Check with local authorities first. Neat and tidy, easy to store.

Can be assembled in under a minute. The finished product is solid and durable, note the tunnel guides for forks.

REF	REF with toolbox	REF with toolbox and 4 castors	mounting	weight (kg)	capacity (kg)
107TA6402	107TA6401	107TA6400	fork	120	300

Platform size: 800 x 1200 x 1890 mm.

Capacity: 2 persons.

Safely secured to truck using lock pins behind the fork heels.

All models suitable for maximum 200 x 80mm fork size.

Fully tested and CE certified.

Painted orange.



SAFETY CAGE FOR TELESCOPIC TRUCK

Work platforms perform a variety of applications, they are particularly suitable for routine maintenance, inspection and for stock taking purposes.

Whatever the application, work platforms ensure confidence and safety to all users when working at high levels.

REF	Dimensions	Rotating	Capacity	Capacity	Weight
	mm	degrees	persons	kg	kg
107TA6403	4000 x 1250 x 1250	0°	2	400	475
107TA6404	4000 x 1250 x 1250	0°	2	400	375
107TA6405	4000 x 1250 x 1250	180°	2	400	720
107TA6406	4000 x 1250 x 1250	180°	2	400	580

Remote control available on request.

Complies with the EU product safety requirements.

Fully tested and supplied with EC Declaration of Conformity.

Width of the cage is 4000 mm but can easily be adjusted to 2500 mm to facilitate driving.

REF 107TA6405 and **107TA6406** are equipped with a manual hydraulic pump to enable a rotation of 180°.

REF 107TA6404 and **107TA6406** have an aluminium floor to minimise the weight of the cage.

The cage must only be used on telescopic fork trucks and never on standard trucks. The cage is mounted to the truck using the "fast mounting" system on the fork carriage of the truck.

Please advise make, type and reference of the truck when ordering.





LOADING RAMP FOR PALLET TRUCKS

Moving warehousing machines made easy!



REF 123TA9025

- Fully tested and CE certified
- Fork mounted (max fork section 170x60mm)
- Secured on the fork carriage with chain
- Pallet truck is secured on the loading ramp with ratchet strap
- Max capacity 1000kg / 876 mm
- Inside dimensions 900 x 1950 x 695 mm (WxLxH)
- Outside dimensions 1000 x 2000 x 720mm (WxLxH)
- Weight 180kg



LOADING RAMP FOR PALLET TRUCKS

REF 119TA8572

- Fully tested and CE certified
- Max length 3700mm
- Fork mounted (max fork section 170x60mm)
- Secured on the fork carriage with chain
- Max capacity 1000 kg / 534 mm
- Inside dimensions 940 x 1860 x 760 mm (WxLxH)
- Outside dimensions 1020 x 1980 x 960 mm (WxLxH)
- Can be unfolded to a length of 3700mm
- Weight 347kg



MANUAL TELESCOPIC CRANE JIB

CRANE JIB

The fork-mounted crane jib has 2 adjustable turning safety hooks.
 The hooks can be adjusted every 250 mm.
 The crane jib is safely secured behind fork heels with locking pins.
 The fixed crane arm has a length of 2000mm with a total telescopic length of 3000 mm.

REF	Capacity at 500mm load center	Load center 750 mm	Load center 1000 mm	Load center 1250 mm	Load center 1500 mm	Load center 1750 mm	Load center 2000 mm	Load center 2250 mm	Load center 2500 mm	Load center 2750 mm	Load center 3000 mm	Maximum arm length	Min. fork spread between forks	Max. fork section	Weight
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	mm	mm	kg
107TA6410	2000	1800	1600	1200	900	600	500	400	350	280	200	3000	450	150x60	151
107TA6411	3000	2700	2100	1600	1100	850	715	620	440	320	250	3000	450	150x60	153
107TA6412	4000	3800	3200	2500	1900	1100	975	850	650	500	400	3000	450	150x60	156

Please keep the capacity of the lifttruck in mind.

Fully tested and CE certified.
 Painted orange.

Options: Longer arms.

Warning:
 Minimum fork length required to maintain capacities listed above is 1200 mm!



MANUAL CRANE JIB

The fork-mounted crane jib has 1 adjustable turning safety hook.
 The hook can be adjusted every 250mm.
 The crane jib is safely secured behind fork heels with locking pins.

REF	Capacity at 500 mm load center	Load center 750 mm	Load center 1000 mm	Load center 1250 mm	Load center 1500 mm	Load center 1750 mm	Maximum arm length	Min. fork spread between forks	Max. fork section	Center of gravity	Weight
	kg	kg	kg	kg	kg	kg	mm	mm	mm	mm	kg
107TA6407	2000	1800	1600	1200	900	600	1750	450	150x60	675	131
107TA6408	3000	2700	2100	1800	1100	850	1750	450	150x60	757	133
107TA6409	4000	3800	3200	2500	1900	1100	1750	450	150x60	757	136

Please keep the capacity of the lifttruck in mind.

Fully tested and CE certified.
 Painted orange.

Options: Longer arms.

Warning:
 Minimum fork length required to maintain capacities listed above is 1200 mm!





CARRIAGE-MOUNTED HIGHER LIFTING CRANE JIBS

Higher lifting jibs are specifically designed to convert a forklift truck into a high lift mobile crane. The carriage-mounted crane jib has an adjustable turning safety hook. The crane jib is supplied complete with quick release bottom hangers as standard. The hook can be manually adjusted every 250mm.

REF	Capacity at 500mm load centre	Mounting class	Arm length	Distance from hook to ground level	Centre of gravity	Weight
	kg	fem	mm	mm	mm	kg
107TA6419	1000	2	1810	1000	408	250
107TA6420	2000	2	1810	1000	400	253
107TA6421	3000	3	1810	1000	390	258
107TA6422	4000	3	1810	1000	388	260

CAPACITY DIAGRAM

REF	Load centre 500 mm	Load centre 1000 mm	Load centre 1250 mm	Load centre 1500 mm	Load centre 1750 mm
	kg	kg	kg	kg	kg
107TA6419	1000	800	700	500	405
107TA6420	2000	1500	1350	800	420
107TA6421	3000	2400	1750	900	410
107TA6422	4000	3000	2000	1000	440



Please keep the capacity of the liftruck in mind. Fully tested and CE certified.

Painted orange

Options: Longer arms.

Same version but fork-mounting.

Swinging crane arms, mechanical or hydraulic.

CARRIAGE-MOUNTED CRANE JIBS

The carriage-mounted crane jibs are economically designed to convert a forklift truck into a mobile crane. The carriage-mounted crane jib has an adjustable turning safety hook. The crane jib is supplied complete with quick release bottom hangers as standard. The hook can be manually adjusted every 250 mm.

REF	Mounting class	Capacity at 1000 mm load centre	Load centre 1250 mm	Load centre 1500 mm	Load centre 1750 mm	Maximum arm length	Distance from hook to ground level	Centre of gravity	Weight
	fem	kg	kg	kg	kg	kg	mm	mm	kg
107TA6413	2	1000	750	500	250	1800	250	610	130
107TA6414	2	2000	1750	1400	800	1800	250	600	131
107TA6415	3	3000	2750	2000	1000	1800	250	590	132
107TA6416	3	4000	3400	2750	1500	1800	250	582	133
107TA6417	4	5000	4000	3000	2000	1800	250	575	160
107TA6418	4	6000	5000	4000	3000	1800	250	410	256

Please keep the capacity of the liftruck in mind.

Fully tested and CE certified.

Painted orange.

Options: Longer arms.

Same version but fork mounting.



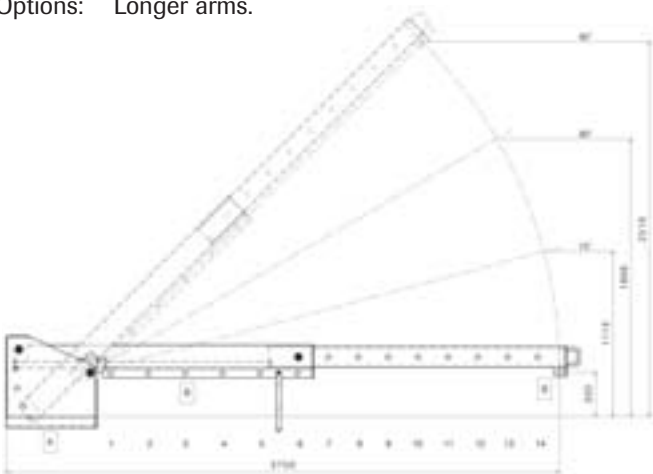
MANUAL TELESCOPIC CRANE JIB ADJUSTABLE IN LENGTH AND HEIGHT

The carriage-mounted crane jib has two adjustable turning safety hooks.
 The hook can be manually adjusted in 14 positions in length and in height.
 The crane jib is safely secured with a chain to the fork carriage.
 Standard length of the arm is 2000 mm, maximum length of the arm is 3690 mm.
 The crane jib has to be mounted to the forks and with the back of the jib to the back of the forks.

REF	Capacity at 695 mm load centre	Minimum fork length	Min. fork spread between forks	Max. fork section	Centre of gravity	Weight
	kg	mm	mm	mm	mm	kg
107TA6423	2500	800	150	160 x 70	580	218
107TA6424	5000	800	150	160 x 70	600	250

REF	Capacity / Load centre													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	695	990	1285	1580	1825	2090	2290	2490	2690	2890	3090	3290	3490	3690
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
107TA6423	2500	2500	2500	1800	1400	1200	1050	950	850	770	700	650	600	560
107TA6424	5000	3550	2750	2250	1950	1700	1550	1400	1300	1200	1150	1050	1000	950

Please keep the capacity of the lifttruck in mind.
 Fully tested and CE certified.
 Painted orange.
 Options: Longer arms.



ADJUSTABLE FORK-MOUNTED HOOKS

REF	Capacity	Min. fork spread	Max. fork section between forks	Weight
	kg	mm	mm	kg
107TA6425	2500	300	160 x 60	27
107TA6427	4000	300	160 x 60	27
107TA6428	5000	300	160 x 60	30

Fully tested and CE certified.
 Secured to the forks with thumb screws.
 Safety swivel hook turns 360°.
 Painted orange.



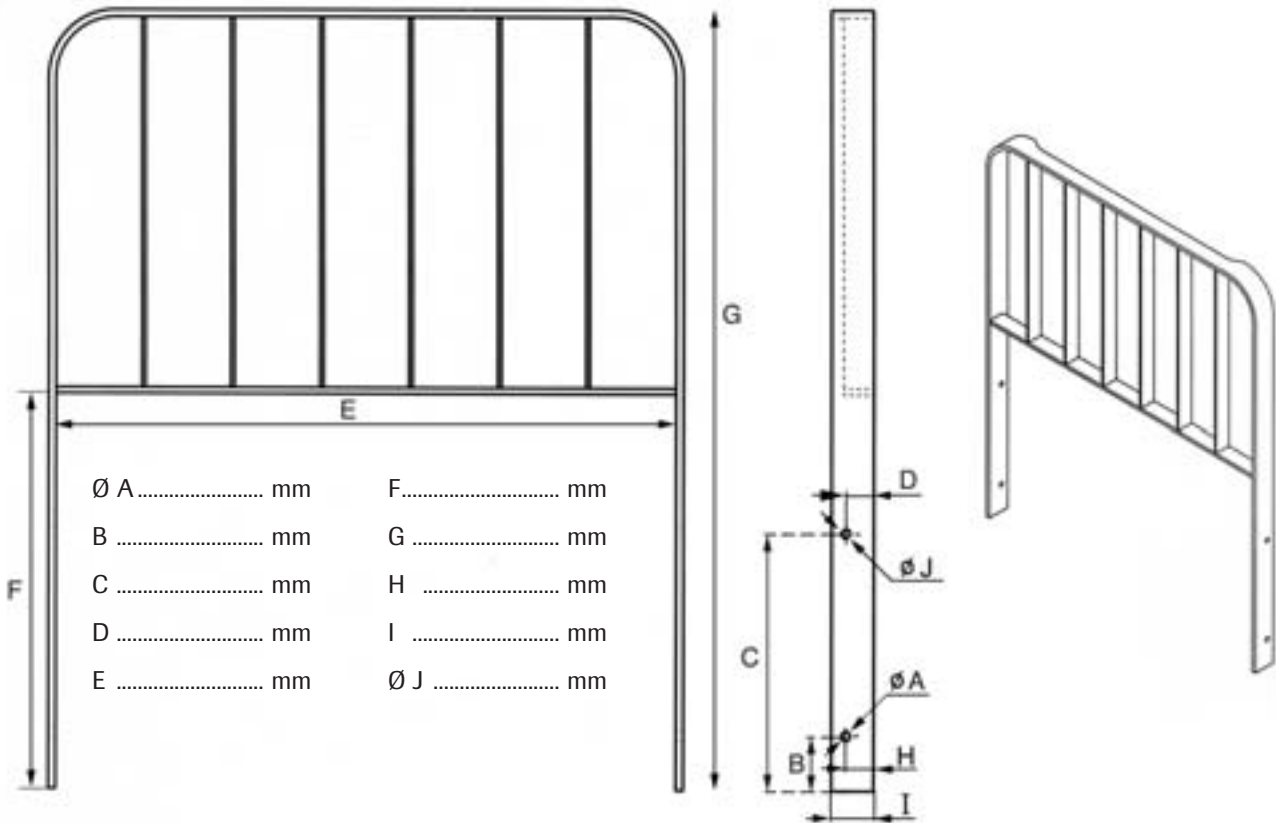


TECHNICAL DETAIL: LOAD BACKRESTS

Truck make :
 Truck type : Serial nr.:

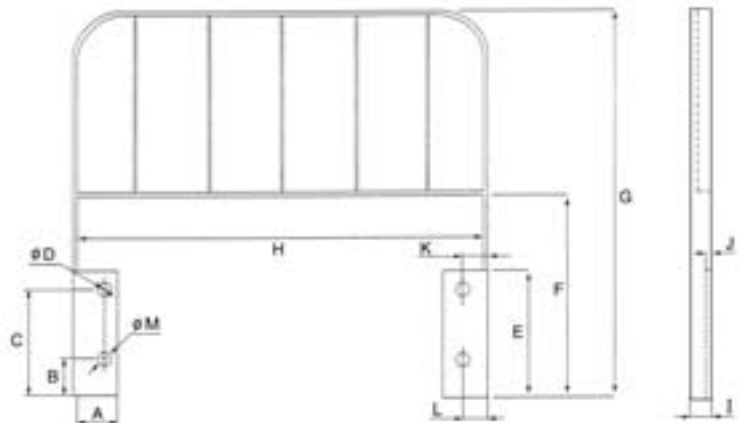
Company:
 Customer code:
 Name:
 Fax number:

TYPE 1



Ø A mm F mm
 B mm G mm
 C mm H mm
 D mm I mm
 E mm Ø J mm

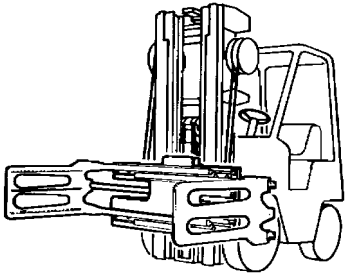
TYPE 2



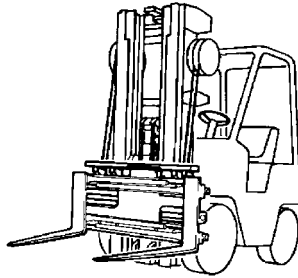
A mm H mm
 B mm I mm
 C mm J mm
 Ø D mm K mm
 E mm L mm
 F mm Ø M mm
 G mm

FAX FORM: LOAD BACKRESTS

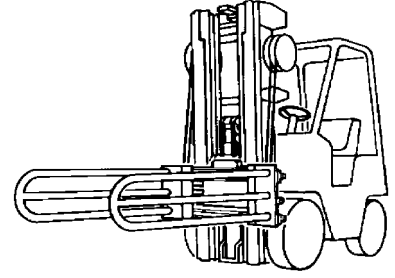
BALE CLAMPS



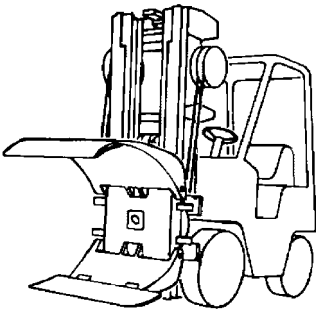
ADJUSTABLE CLAMPS



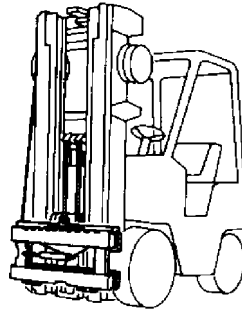
FOAM RUBBER CLAMPS



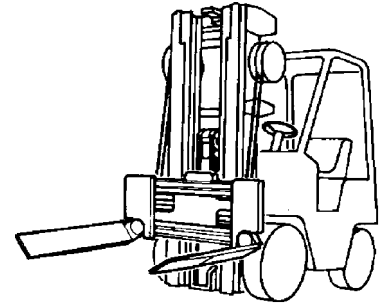
360° CONTINUOUS ROTATION ROLL CLAMPS



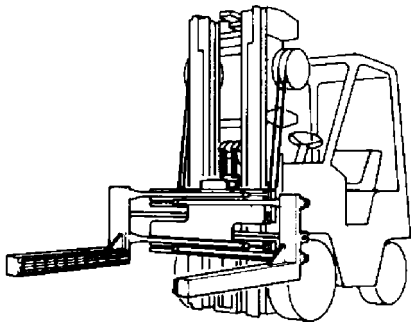
SIDE SHIFTS



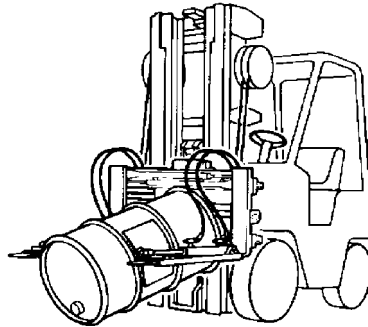
TURN-A-FORK



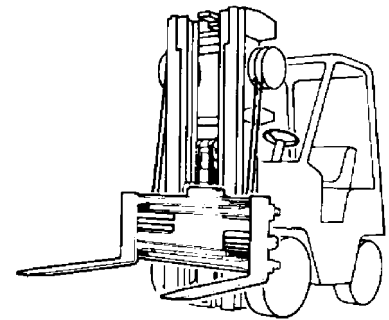
BLOCK CLAMPS



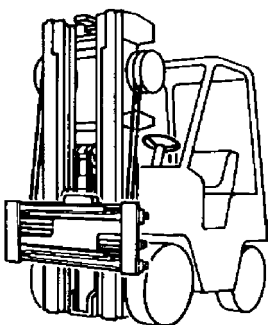
DRUM-TIPPING CLAMPS



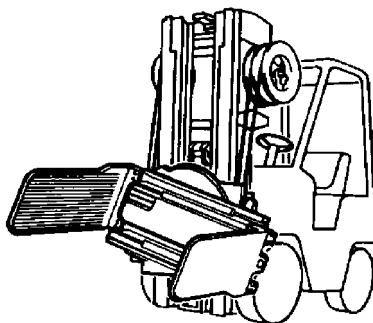
FORK POSITIONERS



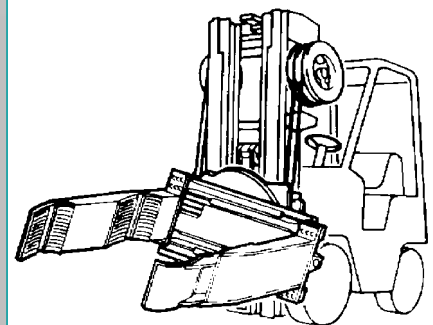
LOAD CLAMPS WITHOUT ARMS



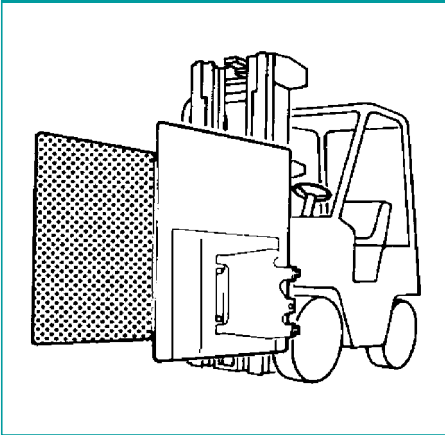
MULTIPURPOSE CLAMPS



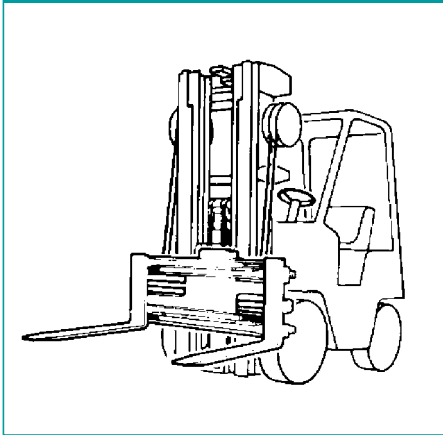
DRUM CLAMPS



APPLIANCE CLAMPS



FORK CLAMPS



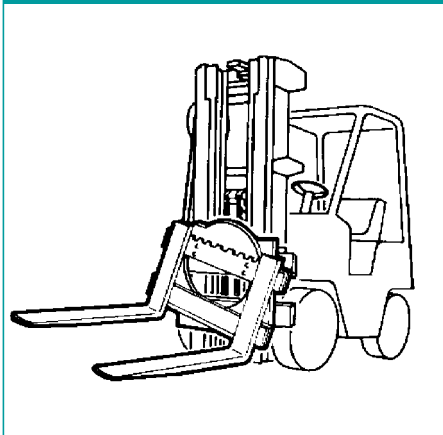
TURN-A-LOAD



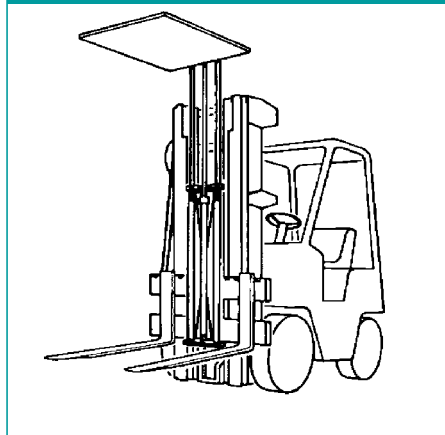
ROLL UPENDERS



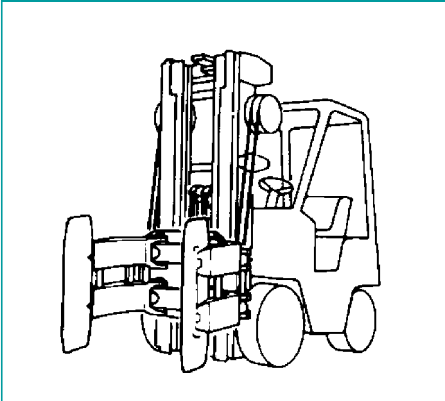
ROTATORS



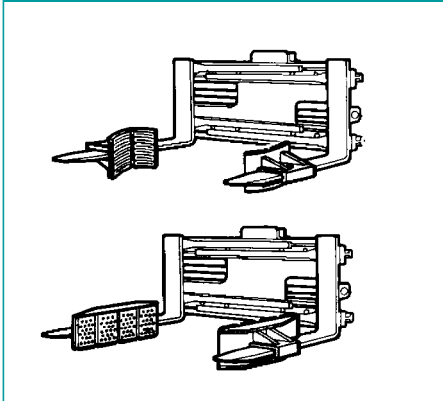
LOAD STABILIZERS



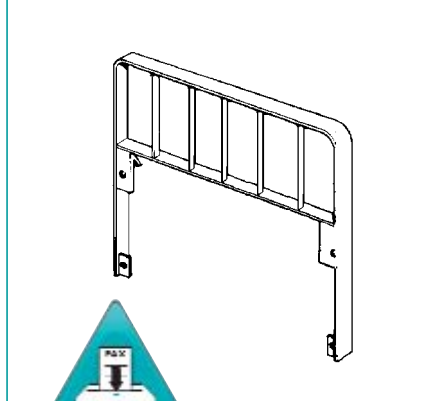
360° CONTINUOUS ROTATION ROLL CLAMPS



SLIP-ON MULTI PURPOSE ARMS



LOAD BACKREST



SECOND-HAND ATTACHMENTS

TECHNICAL DETAIL: ATTACHMENTS



Company:	Type of attachment
Customer code:	Weight of the chargeKG
Name:	Capacity of attachmentKG
Fax number:	MIN. and MAX. opening range of attachmentMM
Truck make:	Length of the arm (fork)MM
Truck type: Serial nr.:	<input type="checkbox"/> New attachment
Width of the fork carriage on the truck	<input type="checkbox"/> Second-hand attachment

TOTAL SOURCE® CAN ALSO OFFER A RANGE OF SECOND-HAND ATTACHMENTS 'AS - IS' OR FULLY RECONDITIONED

ASK US ALSO ABOUT OUR RANGE OF SECOND-HAND ATTACHMENTS

SECOND-HAND ATTACHMENTS

TWIN PALLET HANDLER



PAPER ROLL CLAMP



APPLIANCE CLAMPHANDLER



BOX CLAMP



BALE CLAMP



PAPER ROLL CLAMP



FORK POSITIONER



ROTATOR



INVERT PALLET CLAMP



PUSH PULL



DRUM CLAMP



PUSH PULL



DRUM CLAMP



BLOC CLAMP



BALE CLAMP



FORK CLAMP



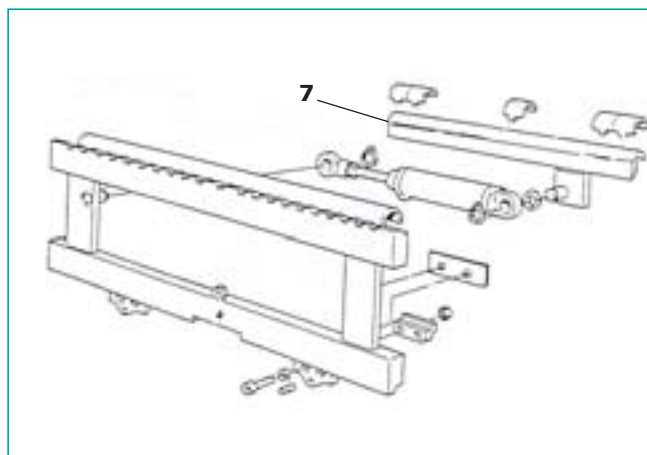
TECHNICAL DETAIL: ATTACHMENTS



Company:	Type of attachment
Customer code:	Weight of the chargeKG
Name:	Capacity of attachmentKG
Fax number:	MIN. and MAX. opening range of attachmentMM
Truck make:	Length of the arm (fork)MM
Truck type: Serial nr.:	<input type="checkbox"/> New attachment
Width of the fork carriage on the truck	<input type="checkbox"/> Second-hand attachment

WE CAN ALSO OFFER A RANGE OF SECOND-HAND ATTACHMENTS 'AS - IS' OR FULLY RECONDITIONED

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI SU4 - SU5 - SU6



	PART No	REF	Qty
used for BOLZONI SU4 class FEM2 capacity 2500kg			
*Upper bearing	1	107TA6465	5
*Lower bearing	2	107TA6466	2
Seal kit	3	107TA6467	1
** Hook	4	107TA6468	2
** Bolt	5	107TA6469	4
** Nut	6	107TA6476	4
support	7		
width ≤880mm		123TA5408	1
width 900-920mm		123TA5409	1
width 940-1020mm		123TA5410	1
width 1040-1165mm		123TA5411	1
width ≥1200mm		123TA5412	1
* Bearing Kit		107TA6471	
** Hook kit		107TA6472	
(compl. for 1 hook)			
used for BOLZONI SU5 class FEM3 capacity 3500kg			
*Upper bearing	1	107TA6473	5
*Lower bearing	2	107TA6466	2
Seal kit	3	107TA6467	1
** Hook	4	107TA6474	2
** Bolt	5	107TA6475	4
** Nut	6	107TA5355	4
support	7	123TA5413	1
* Bearing Kit		107TA6477	
** Hook kit		107TA6478	
(compl. for 1 hook)			

	PART No	REF	Qty
used for BOLZONI SU6 class FEM3 capacity 5000kg			
*Upper bearing	1	107TA6473	5
*Lower bearing	2	107TA6466	2
Seal kit	3	107TA6479	1
** Hook	4	107TA6474	2
** Bolt	5	107TA6475	4
** Nut	6	107TA5355	4
support	7		
width ≤1380mm		123TA5414	1
width ≥1500mm		123TA5415	1
* Bearing Kit		107TA6477	
** Hook kit		107TA6478	
(compl. for 1 hook)			

* = Bearing kit: including upper and lower bearing.
 ** = Hook kit: including hook, bolt and nut (compl. for 1 hook).

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI TYPE: SL4 , SL5 & SL6

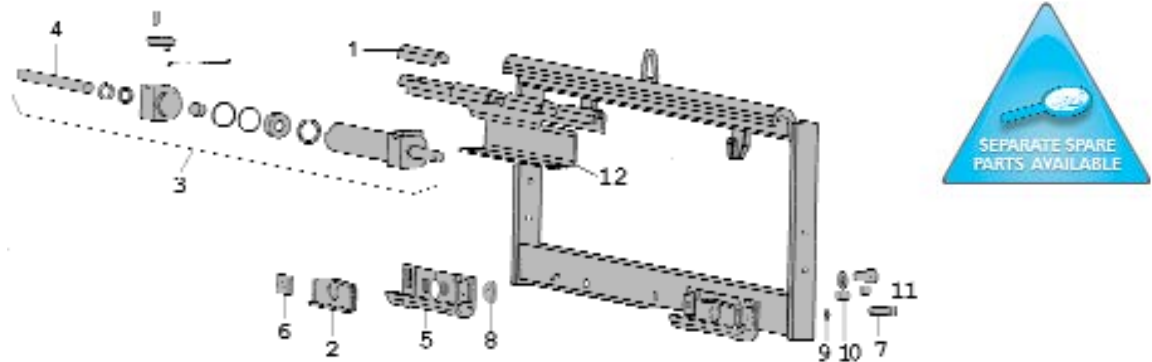


Fig. no	Qty	Description	REF Type SL4 class FEM2 cap.: 2500kg	REF Type SL5 class FEM3 capacity: 3500kg	REF Type SL6 class FEM3 cap.: 4900kg
1 *	4	Upper bearing	107TA6451	107TA6429	107TA6429
2 *	2	Lower bearing	107TA6452	107TA6430	107TA6430
3	1	Cylinder	107TA6431	107TA6431	107TA6447
	1	Repair kit	107TA6432	107TA6432	107TA6448
4	2	Rod	107TA6433	107TA6433	107TA6449
5 **	2	Lower hook	107TA6453	107TA6434	107TA6434
6 **	4	Hook fixed plate	107TA6454	107TA6435	107TA6435
7 **	4	Bolt	107TA6455	107TA6436	107TA6450
8 **	2	Washer	111TA3496	111TA3496	111TA3496
9 **	4	Washer	111TA3493	111TA3494	111TA3494
10 **	2	Washer	111TA3491	111TA3491	111TA3492
11 **	2	Bolt	111TA3495	111TA3495	
12	1	Support	123TA5392 width <1000mm	123TA5393 width ≤1150mm	123TA5395 width ≤1350mm 123TA7166 1350mm < width ≤ 1660mm 123TA5396 width >1660mm
			123TA5391 width ≥1000mm	123TA5394 width >1150mm	
*		Bearing kit	107TA6456	107TA6437	107TA6437
**		Hook kit	111TA5822	111TA5823 width ≤1150mm 111TA5825 width >1150mm	111TA5824
		(compl. for 1 hook)			

* = Bearing kit: including upper and lower bearings.

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI HN25-HN4



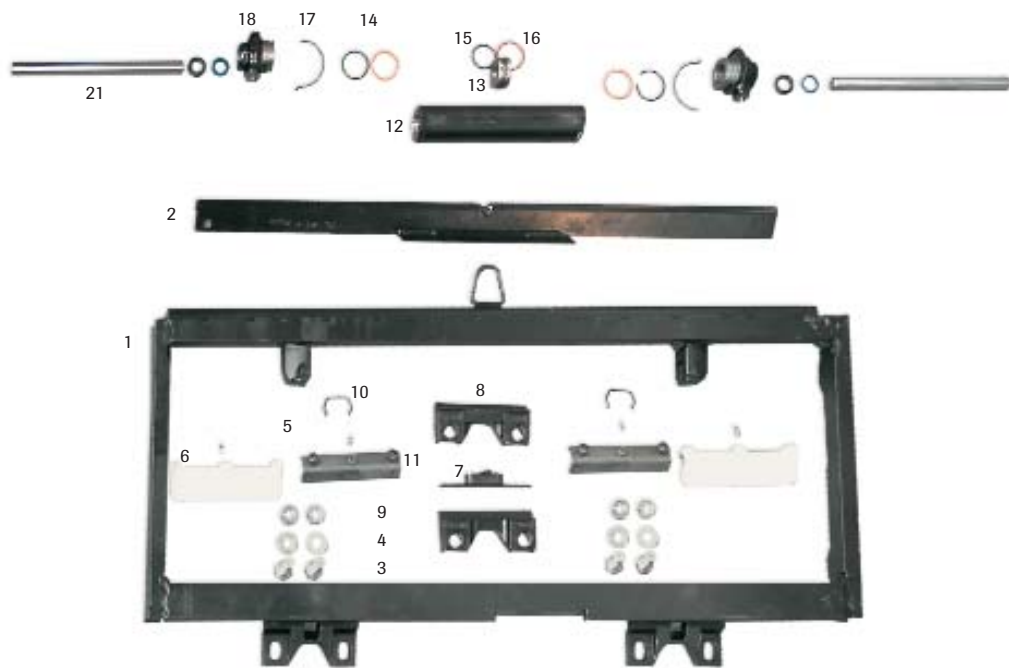
Bolzoni TYPE HN25- HN4 • Class Fem 2 - capacity 2500kg

PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift 2
1		122TA9046	pad support width of the side shift 800mm - 900mm
2	1	122TA9047	pad support width of the side shift 901mm - 1020mm
2	1	122TA9048	pad support width of the side shift 1021mm - 1100mm
2	1	122TA9049	pad support width of the side shift 1101mm - 1600mm
**3	4	122TA9050	screw
**4	4	122TA9051	washer
*5	4	107TA5528	lubricator
*6	2	122TA9052	lower pad
*7	2	122TA9053	lower hook pad
**8	2	122TA9054	lower hook
**9	4	122TA9055	self lock nut
10	2	122TA9056	split pin
*11	2	122TA9057	upper pad
***/**12	1	122TA9058	cylinder body
***/**13	1	122TA9059	piston

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI HN25-HN4

PART No	Qty	REF	description
***/**14	1	116TA5877	seal
***/**15	1	122TA9060	seal
***/**16	2	122TA9061	seal
***/**17	2	122TA9062	cap-boy fixing
***18	2	122TA9063	cap metric version
	2	122TA9064	cap jic version
****19	2	122TA9065	seal
***/**20	2	122TA9066	scraper
***/**21	2	107TA6433	rod
***/**22	1	107TA6432	seal kit complete
* bearing kit (incl. 5 (4x) ,6(2x),7(2x) and 11 (2x))		123TA5416	
**hook kit (incl. 3(2x), 4(2x), 8(1x) and 9(2x)) complete for 1 hook		122TA9067	
*** Cylinder complete with metric thread		122TA9068	
****Cylinder complete with JIC thread		122TA9069	

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI HN35-HN5



SPARE PARTS FOR SIDE SHIFTS

Bolzoni TYPE HN35 - HN5 • Class Fem 3 - capacity 3500kg

PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift
2	1	122TA9070	pad support width of the side shift 900mm - 1019mm
2	1	122TA9071	pad support width of the side shift 1020mm - 1150mm
2	1	123TA5417	pad support width of the side shift 1151mm - 1350mm
**3	4	122TA9073	screw
**4	4	122TA9074	washer
*5	4	107TA5528	lubricator
*6	2	122TA9075	lower pad
*7	2	122TA9053	lower hook pad
**8	2	122TA9076	lower hook
**9	4	122TA9077	self lock nut
10	2	122TA9056	split pin
*11	2	122TA9078	upper pad
***/**12	1	122TA9058	cylinder body
***/**13	1	122TA9059	piston
***/**14	1	116TA5877	seal
***/**15	1	122TA9060	seal

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI HN35-HN5

PART No	Qty	REF	description
***/**16	2	122TA9061	seal
***/**17	2	122TA9062	cap-boy fixing
***18	2	122TA9063	cap metric version
	2	122TA9064	cap jic version
****19	2	122TA9065	seal
***/**20	2	122TA9066	scraper
***/**21	2	107TA6433	rod
***/**22	1	107TA6432	seal kit complete
* bearing kit (incl. 5 (4x) ,6(2x),7(2x) and 11 (2x))		122TA9079	
**hook kit (incl. 3(2x), 4(2x), 8(1x) and 9(2x)) complete for 1 hook		122TA9080	
*** Cylinder complete with metric thread		122TA9068	
****Cylinder complete with JIC thread		122TA9069	

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI HN49-HN6



Bolzoni TYPE HN49 - HN6 • Class Fem 3 - capacity 4900kg

PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift
2	1	122TA9081	pad support width of the side shift 1000mm - 1150mm
2	1	123TA5418	pad support width of the side shift 1151mm - 1350mm
2	1	123TA5419	pad support width of the side shift 1351mm - 1660mm
2	1	122TA9084	pad support width of the side shift 1661mm - 2000mm
***3	4	123TA5420	screw
***4	4	122TA9074	washer
*/**5	4	107TA5528	lubricator
*/**6	2	122TA9085	lower pad
*/**7	2	122TA9053	lower hook pad
***8	2	122TA9076	lower hook
***9	4	122TA9077	self lock nut
10	2	122TA9086	elastic pin
*11	2	122TA9078	upper pad width of the side shift < 1600mm

SPARE PARTS USED FOR SIDE SHIFTS - BOLZONI HN49-HN6

PART No	Qty	REF	description
**11	4	122TA9078	upper pad width of the side shift > 1600mm
****/*****12	1	123TA5421	cylinder body
****/*****13	1	123TA5422	piston
****/*****14	1	123TA5423	seal
****/*****15	1	123TA5424	seal
****/*****16	2	123TA5425	seal
****/*****17	2	123TA5426	cap-boy fixing
****18	2	123TA5427	cap metric version
	2	123TA5428	cap jic version
*****19	2	122TA9066	seal
****/*****20	2	123TA5429	scraper
****/*****21	2	107TA6449	rod
****/*****22	1	107TA6448	seal kit complete
* bearing kit (incl. 5 (4x), 6(2x), 7(2x) and 11 (2x)) width side shift < 1600mm		122TA9087	
* bearing kit (incl. 5 (4x), 6(2x), 7(2x) and 11 (2x)) width side shift > 1600mm		122TA9088	
**hook kit (incl. 3(2x), 4(2x), 8(1x) and 9(2x)) complete for 1 hook		122TA9080	
*** Cylinder complete with metric thread		122TA9089	
****Cylinder complete with JIC thread		123TA7165	

SPARE PARTS USED FOR SIDE SHIFTS - CASCADE 30D - 55D - 60D - 100D - 40E - 55E - 60E - 100E

used for CASCADE 30D class FEM2 capacity 1500kg

	Partno	REF per piece	Qty
*Upper bearing	1	107TA6491	2
*Lower bearing	2	107TA6492	2
Seal kit	3	107TA6493	1
**Hook	4	107TA6494	2
**Bolt	5	107TA6487	4
**Nut	6	107TA6495	4
* Bearing Kit		107TA6496	
** Hook kit		107TA6497	
(compl. for 1 hook)			

used for CASCADE 55D class FEM2 capacity 2500kg

	Partno	REF per piece	Qty
*Upper bearing	1	107TA6491	2
*Lower bearing	2	107TA6492	2
Seal kit	3	107TA6493	1
**Hook	4	107TA6494	2
**Bolt	5	107TA6487	4
**Nut	6	107TA6495	4
* Bearing Kit		107TA6496	
** Hook kit		107TA6497	
(compl. for 1 hook)			

used for CASCADE 60D class FEM3 capacity 3000kg

	Partno	REF per piece	Qty
*Upper bearing	1	107TA6498	2
*Lower bearing	2	107TA6492	2
Seal kit	3	107TA6493	1
**Hook	4	107TA6499	2
**Bolt	5	107TA6500	4
**Nut	6	107TA6495	4
* Bearing Kit		107TA6501	
** Hook kit		107TA6502	
(compl. for 1 hook)			



used for CASCADE 100D class FEM3 capacity 5000kg

	Partno	REF per piece	Qty
*Upper bearing	1	107TA6498	2
*Lower bearing	2	107TA6503	2
Seal kit	3	107TA6504	1
**Hook	4	107TA6494	2
**Bolt	5	107TA6500	4
**Nut	6	107TA6495	4
* Bearing Kit		107TA6505	
** Hook kit		107TA6506	
(compl. for 1 hook)			

used for CASCADE 60E class FEM3 capacity 3000kg



	Partno	REF per piece	Qty
*Upper bearing	1	107TA6498	2
*Lower bearing	2	111TA5827	2
Seal kit	3	107TA6485	1
**Hook	4	107TA6486	2
**Bolt	5	107TA6487	4
**Nut	6	107TA6488	4
* Bearing Kit		111TA5828	
** Hook kit		111TA5829	
(compl. for 1 hook)			

used for CASCADE 40E & 55E class FEM2 capacity 1500 & 2500kg

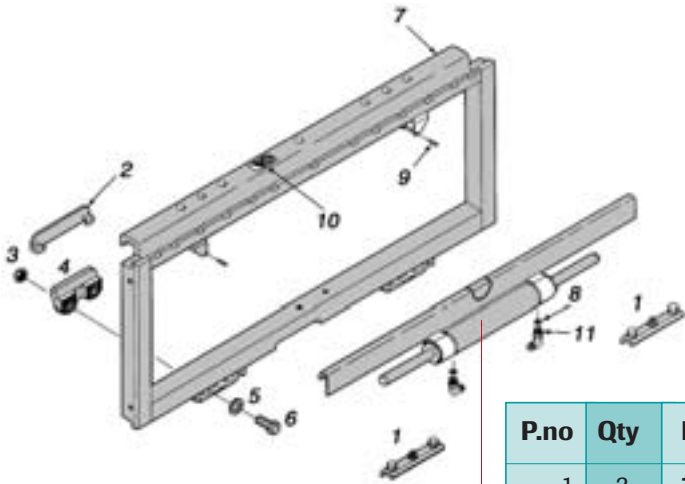
	Partno	REF per piece	Qty
*Upper bearing	1	107TA6483	2
*Lower bearing	2	107TA6484	2
Seal kit 40E	3	111TA5826	1
Seal kit 55E	3	107TA6485	1
**Hook	4	107TA6486	2
**Bolt	5	107TA6487	4
**Nut	6	107TA6488	4
* Bearing Kit		107TA6489	
** Hook kit		107TA6490	
(compl. for 1 hook)			

used for CASCADE 100E class FEM3 capacity 5000kg

	Partno	REF per piece	Qty
*Upper bearing	1	107TA6498	2
*Lower bearing	2	111TA5830	2
Seal kit	3	111TA5831	1
**Hook	4	107TA6486	2
**Bolt	5	107TA6487	4
**Nut	6	107TA6488	4
* Bearing Kit		111TA5833	
** Hook kit		107TA6490	
(compl. for 1 hook)			

* = Bearing kit: including upper and lower bearing.
 ** = Hook kit: including hook, bolt and nut
 (compl. for 1 hook).

SPARE PARTS USED FOR SIDE SHIFTS - CASCADE 55F



P.no	Qty	REF	description
1	2	107TA6518	Upper bearing nylon
1	2	107TA6519	Upper bearing nylon from date of construction october 1999 and onwards
2	2	107TA6508	Lower bearing nylon
2	2	107TA6507	Lower bearing nylon from date of construction march 2000 and onwards
*3	4	107TA6520	Nut
*4	2	107TA6486	Lower hook
*5	4	107TA6521	Washer
*6	4	107TA6522	Capscrew
7	1		Frame (on request, please indicate width or serial number of the side shift)
8	2	107TA6523	Restrictor washer
9	2	107TA6524	Roll pin
10	1		Safety decal (no spare part)
11	2	107TA6525	Fitting

* **REF 107TA7684** Hook kit (complete for 1 hook).



P.no	Qty	REF	description
	1	107TA6509	Cylinder assembly for width of side shift 780-840 mm
	1	107TA6510	Cylinder assembly for width of side shift 859-899 mm
	1	107TA6511	Cylinder assembly for width of side shift 900-1040 mm
	1	107TA6512	Cylinder assembly for width of side shift 1050-1140 mm
	1	107TA6513	Cylinder assembly for width of side shift 1150-1200 mm
*1	2	107TA6514	Rod seal
*2	2	107TA6515	O-ring
*3	2	107TA6516	Rod wiper seal
4	2	107TA6517	Retainer
*		107TA7685	Seal kit

SEPARATE SPARE PARTS AVAILABLE

SPARE PARTS USED FOR SIDE SHIFTS - RONCARI

TYPE: DSL2 & DSL3

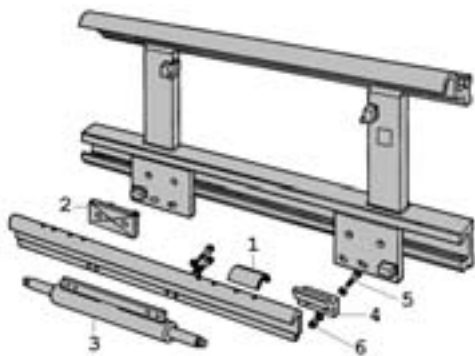


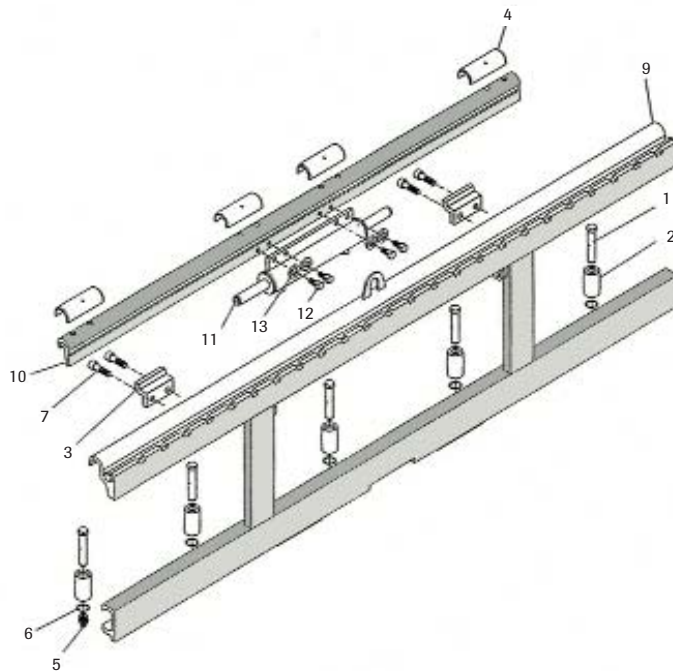
Fig. no	Qty	Description	REF Type DSL2 class FEM2	REF Type DSL3 class FEM3
1 *	4	Upper bearing	107TA6457	107TA6438
2 *	2	Lower bearing	107TA6439	107TA6439
3	1	Cylinder	107TA6458	107TA6440
	1	Repair kit	107TA6459	107TA6441
4 **	2	Bracket	107TA6460	107TA6442
5 **	4	Bolt	107TA6461	107TA6443
6 **	4	Nut	107TA6462	107TA6444
*		Bearing kit	107TA6463	107TA6445
**		Hook kit (compl. for 1 hook)	107TA6464	107TA6446

* = Bearing kit: including upper and lower bearings.

** = Hook kit: including bracket, bolt and nut (compl. for 1 hook).

SPARE PARTS USED FOR SIDE SHIFTS - RONCARI - CASCADE FEM4

TYPE: DSL4.0010 TILL DSL4.0046
DSL4



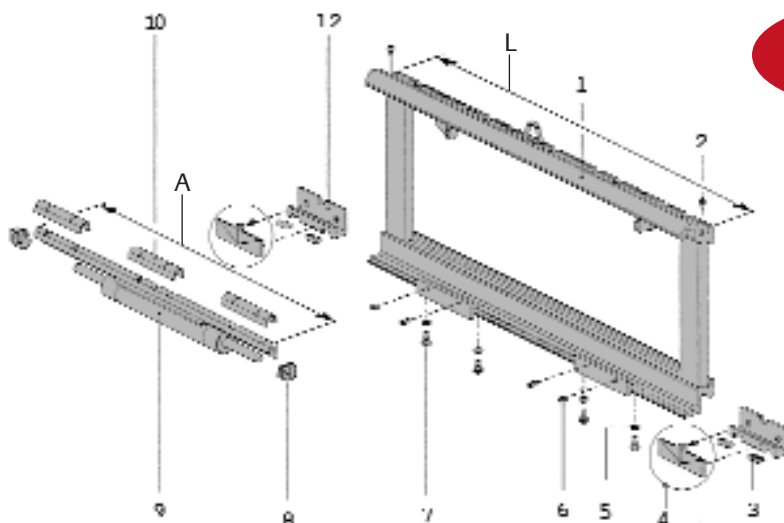
PART No	Qty	Description	REF
*/**1	5	guide pin	123TA5397
*/**2	5	guide roll	123TA5398
***3	2	bracket	123TA5399
**4	4	bearing	123TA5400
*/**5	5	grease nipple	107TA5530
*/**6	5	circlips	123TA5401
***7	4	bolt	123TA5402
8	1	seal kit	123TA5407
9	1	frame, on request please give width	
10	1	bearing, on request please give width	
11	1	cylinder, on request	
12	4	bolt	123TA5403
13	4	washer	107TA5359
* complete roll			123TA5404
** bearing & roller kit			123TA5405
*** bracket kit			123TA5406

SPARE PARTS FOR SIDE SHIFTS

SPARE PARTS USED FOR SIDE SHIFTS - RONCARI FEM2 2500KG

TYPE: DSL2

TYPE
YEAR 2001



SEPARATE SPARE PARTS AVAILABLE

Fig. no	Qty	Description	REF Type DSL2
1	1	Fork carriage	indicate dimens. L
2	2	Screw	111TA3482
3**	4	Wedge	111TA3483
4*	2	Lower bearing width of side shift from 780 to 1340 mm	115TA2152
4*	3	Lower bearing width of side shift from 1345 to 1620 mm	115TA2152
5**	4	Washer	111TA3485
6**	4	Screw	111TA3486
7**	4	Bolt	111TA3487
8	2	Plastic mount.	111TA3488
9	1	Complete cylinder assembly width of side shift 800 mm (A= 620 mm)	116TA5874
9	1	Complete cylinder assembly width of side shift 880- 990 mm (A= 680 mm)	113TA1683
9	1	Complete cylinder assembly width of side shift 990-1050 mm (A= 780 mm)	111TA5091
9	1	Complete cylinder assembly width of side shift 1090- 1260 mm (A= 880 mm)	111TA5092
9	1	Complete cylinder assembly width of side shift 1270- 1420 mm (A= 980 mm)	111TA5093
9	1	Complete cylinder assembly width of side shift 1420- 1520 mm (A= 1080 mm)	111TA5094
9	1	Complete cylinder assembly width of side shift 1530-1630 mm (A= 1180 mm)	111TA5095
10*	3	Upper bearing width of side shift from 780 to 820 mm	111TA3489
10*	4	Upper bearing width of side shift from 820 to 1060 mm	111TA3489
10*	5	Upper bearing width of side shift from 1060 to 1520 mm	111TA3489
10*	6	Upper bearing width of side shift from 1520 to 1620 mm	111TA3489
12**	2	Hook	111TA3490

* bearing kit for width of side shift from 780 to 820 mm: **111TA5096**

* bearing kit for width of side shift from 820 to 1060 mm: **111TA5097**

* bearing kit for width of side shift from 1060 to 1340 mm: **111TA5098**

* bearing kit for width of side shift from 1345 to 1520 mm: **111TA5099**

* bearing kit for width of side shift from 1520 to 1620 mm: **111TA5100**

** = Hook kit: **111TA3706**

* bearing kit: including upper and lower bearing.

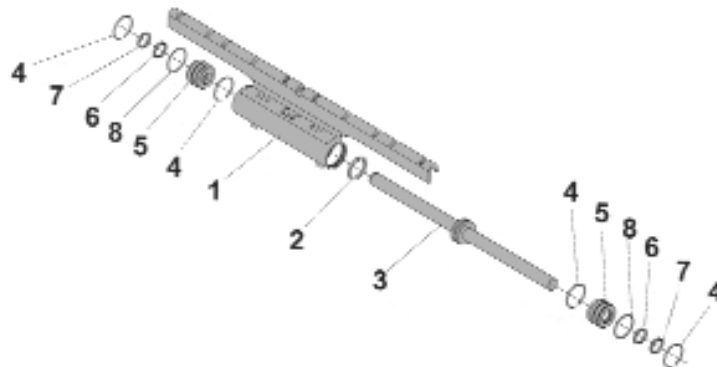
** = Hook kit: including bracket, bolt and nut (compl. for 1 hook)

CYLINDER FOR DSL2
SEE NEXT PAGE



CYLINDER RONCARI DSL2 - FEM2 2500KG

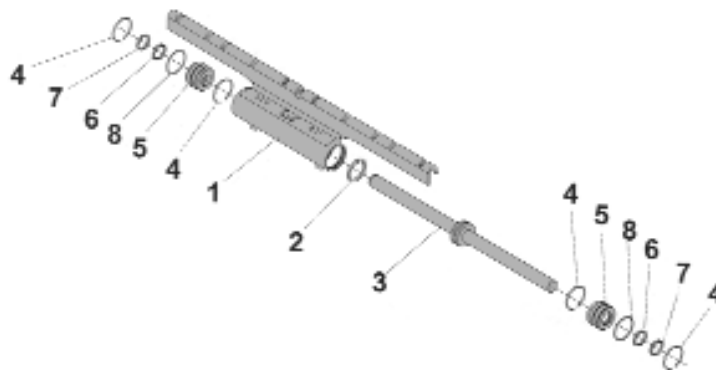
**TYPE: DSL2-01.001 TILL DSL2-01.0015
DSL2**



No	Qty	Description	REF DSL2 FEM2 2500kg
1	1	Cylinder liner	INDICATE WIDTH OF SIDE SHIFT
2	1	Seal E/GR	116TA5877
3	1	Rod + piston	125TA6312
4*	4	Elastic ring	116TA5878
5	2	Ring nut	116TA5879
6*	2	Seal EU	116TA5880
7*	2	Seal WRM	116TA5881
8*	2	O-ring	116TA5882
		*Seal Kit	116TA5883

CYLINDER RONCARI DSL3 - FEM3

**TYPE: DSL3 1000A20 TILL DSL3 2000A20
DSL3-01.0001 TILL DSL3-01.0013
DSL3 1000R20 TILL DSL3 1200R20
DSL3-01R0001 TILL DSL3-01R0004**



No	Qty	Description	REF DSL3 FEM3
1	1	Cylinder liner	INDICATE WIDTH OF SIDE SHIFT
2	1	Seal E/GR	113TA1706
3	1	Rod + piston	116TA5884
4*	4	Elastic ring	116TA5885
5	2	Ring nut	116TA5886
6*	2	Seal EU	113TA1704
7*	2	Seal WRM	113TA1705
8*	2	O-ring	116TA5887
		*Seal Kit	116TA5888

SPARE PARTS FOR SIDE SHIFTS

SEPARATE SPARE PARTS AVAILABLE

SPARE PARTS USED FOR SIDE SHIFTS - RONCARI FEM2

TYPE: **DSL 2 CAPACITY 2500KG**
DSL2-01.0001 TILL DSL2-01.0015

**UPDATE TYPE
YEAR 2001**

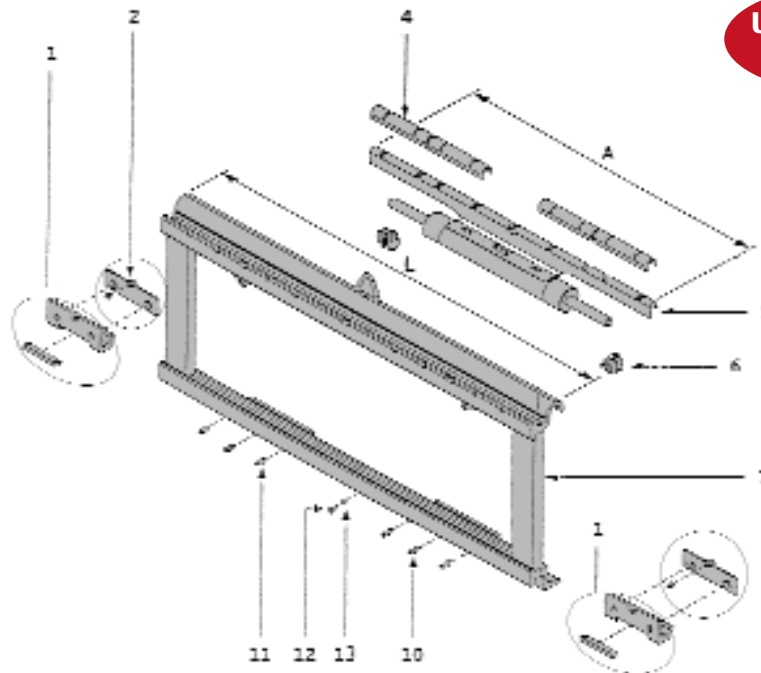


Fig. no	Qty	Description	REF Type DSL2
1**	2	Hook	113TA1731
2*	2	Lower bearing width of side shift from 780 to 1340 mm	115TA2152
2*	3	Lower bearing width of side shift from 1345 to 1620 mm	115TA2152
3	2	Screw	111TA3482
4*	3	Upper bearing width of side shift from 780 to 820 mm	111TA3489
4*	4	Upper bearing width of side shift from 820 to 1060 mm	111TA3489
4*	5	Upper bearing width of side shift from 1060 to 1520 mm	111TA3489
4*	6	Upper bearing width of side shift from 1520 to 1620 mm	111TA3489
5	1	Complete cylinder assembly width of side shift 800 mm (A= 620 mm)	116TA5874
5	1	Complete cylinder assembly width of side shift 880- 990 mm (A= 680 mm)	113TA1683
5	1	Complete cylinder assembly width of side shift 990-1050 mm (A= 780 mm)	111TA5091
5	1	Complete cylinder assembly width of side shift 1090- 1260 mm (A= 880 mm)	111TA5092
5	1	Complete cylinder assembly width of side shift 1270- 1420 mm (A= 980 mm)	111TA5093
5	1	Complete cylinder assembly width of side shift 1420- 1520 mm (A= 1080 mm)	111TA5094
5	1	Complete cylinder assembly width of side shift 1530-1630 mm (A= 1180 mm)	111TA5095
6	2	Plastic mount.	111TA3488
7	1	Fork carriage	indicate dimens. L
10**	2	Screw	113TA1730
11**	4	Spring cotter	116TA5875
12	1	Screw TC	111TA3482
13	1	Washer	107TA5357

- * bearing kit for width of side shift from 780 to 820 mm: **111TA5096**
- * bearing kit for width of side shift from 820 to 1060 mm: **111TA5097**
- * bearing kit for width of side shift from 1060 to 1340 mm: **111TA5098**
- * bearing kit for width of side shift from 1345 to 1520 mm: **111TA5099**
- * bearing kit for width of side shift from 1520 to 1620 mm: **111TA5100**

** = Hook kit: **113TA1727**

* bearing kit: including upper and lower bearing.

** = Hook kit: including bracket, bolt and nut (compl. for 1 hook)

**CYLINDER
FOR DSL2 2500kg
SEE PREVIOUS PAGE**

SPARE PARTS USED FOR SIDE SHIFTS - RONCARI FEM3

TYPE: DSL3 1000 A20 TILL DSL3 2000 A20
 DSL3-01.0001 TILL DSL3-01.0013
 DSL3-01R0001 TILL DSL3-01R0004

TYPE
YEAR 2001

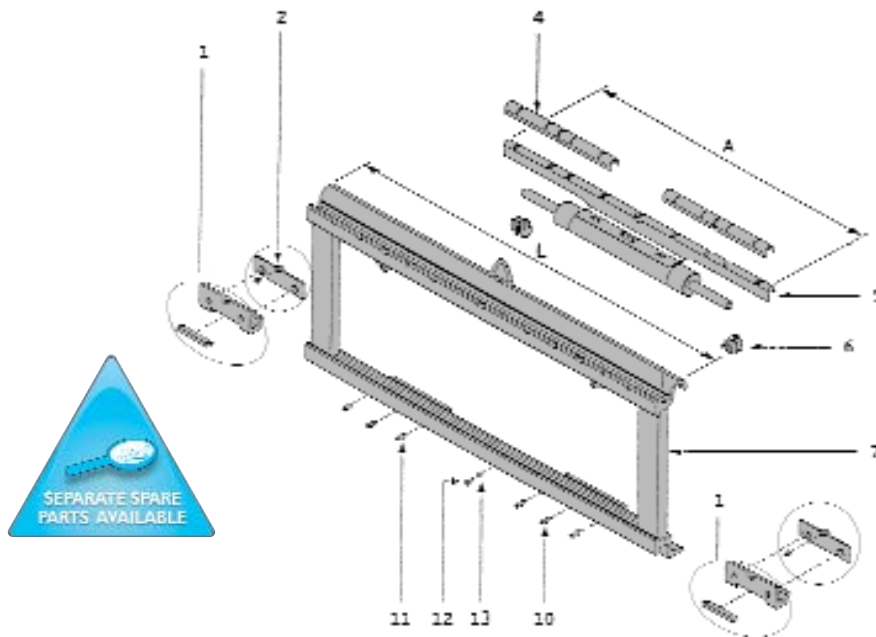


Fig. no	Qty	Description	REF Type DSL3
1**	2	Hook	115TA2139
2*	3	Lower bearing	115TA2152
3	2	Screw	115TA2140
4*	4	Upper bearing width of side shift from 1000 to 1090 mm	111TA5101
4*	5	Upper bearing width of side shift from 1095 to 1590 mm	111TA5101
4*	6	Upper bearing width of side shift from 1600 to 1650 mm	111TA5101
4*	7	Upper bearing width of side shift from 1655 to 1760 mm	111TA5101
4*	8	Upper bearing width of side shift from 1760 to 2010 mm	111TA5101
5	1	Complete cylinder assembly width of side shift 1000 mm (A= 780 mm)	111TA5102
5	1	Complete cylinder assembly width of side shift 1090-1260 mm (A= 880 mm)	111TA5103
5	1	Complete cylinder assembly width of side shift 1260-1420 mm (A= 980 mm)	111TA5104
5	1	Complete cylinder assembly width of side shift 1420-1550 mm (A= 1080 mm)	111TA5105
5	1	Complete cylinder assembly width of side shift 1560-1620 mm (A= 1180 mm)	111TA5106
5	1	Complete cylinder assembly width of side shift 1630-1670 mm (A= 1280 mm)	111TA5107
5	1	Complete cylinder assembly width of side shift 1680-1760 mm (A= 1380 mm)	111TA5108
5	1	Complete cylinder assembly width of side shift 1760-2010 mm (A= 1580 mm)	123TA9004
6	2	Plastic mount.	111TA3488
7	1	Fork carriage	indicate dimens. L
10**	2	Screw	115TA2141
11**	4	Spring cotter	115TA2142
12	1	Screw TC	116TA6089
13	1	Washer	116TA6090

* bearing kit for width of side shift from 1000 to 1090 mm:

111TA5110

* bearing kit for width of side shift from 1090 to 1590 mm:

111TA5111

* bearing kit for width of side shift from 1600 to 1650 mm:

111TA5112

* bearing kit for width of side shift from 1655 to 1760 mm:

111TA5113

* bearing kit for width of side shift from 1760 to 2000 mm:

111TA5114

** = Hook kit: **113TA2090**

* bearing kit: including upper and lower bearing.

** = Hook kit: including bracket, bolt and nut (compl. for 1 hook).

CYLINDER
FOR DSL3 3500kg
SEE 2 PAGES EARLIER



SPARE PARTS USED FOR SIDE SHIFTS - RONCARI FEM3 CAPACITY 5000kg/500

TYPE: DSL3 1250R20 TILL DSL3 2000R20,
DSL3-01R005 TILL DSL3-01R013

**TYPE
YEAR 2001**

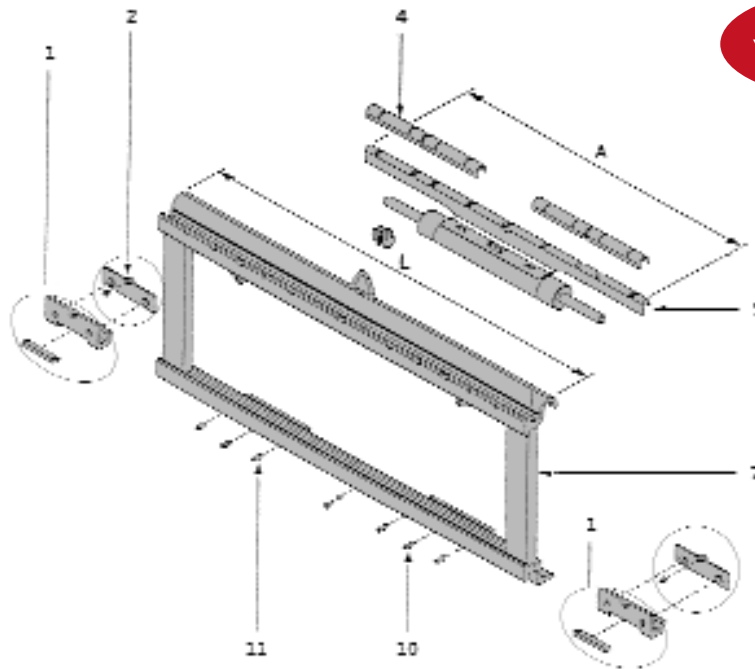


Fig. no	Qty	Description	REF Type DSL3
1**	2	Hook	115TA2139
2*	2	Lower bearing width of side shift from 780 to 1340 mm	115TA2152
4*	3	Upper bearing width of side shift from 1200 to 1630 mm	111TA5101
4*	4	Upper bearing width of side shift from 1650 to 1740 mm	111TA5101
4*	5	Upper bearing width of side shift from 1745 to 2100 mm	111TA5101
4*	6	Upper bearing width of side shift from 2200 to 2320 mm	111TA5101
5	1	Complete cylinder assembly width of side shift 1000-1260 mm (A= 880 mm)	111TA5115
5	1	Complete cylinder assembly width of side shift 1260-1420 mm (A= 980 mm)	111TA5116
5	1	Complete cylinder assembly width of side shift 1490-1620 mm (A= 1080 mm)	111TA5117
5	1	Complete cylinder assembly width of side shift 1650-1680 mm (A= 1180 mm)	111TA5118
5	1	Complete cylinder assembly width of side shift 1690-1760 mm (A= 1280 mm)	111TA5119
5	1	Complete cylinder assembly width of side shift 1770-2020 mm (A= 1480 mm)	111TA5120
5	1	Complete cylinder assembly width of side shift 2050-2350 mm (A= 1750 mm)	111TA5121
7	1	Fork carriage	indicate dimens. L
10**	2	Screw	115TA2141
11**	4	Spring cotter	115TA2142

* bearing kit for width of side shift from 1210 to 1260 mm: **111TA5122**

* bearing kit for width of side shift from 1280 to 1620 mm: **111TA5123**

* bearing kit for width of side shift from 1650 to 1680 mm: **111TA5124**

* bearing kit for width of side shift from 1690 to 2020 mm: **111TA5125**

* bearing kit for width of side shift from 2050 to 2350 mm: **111TA5126**

** = Hook kit: **113TA2090**

* bearing kit: including upper and lower bearing.

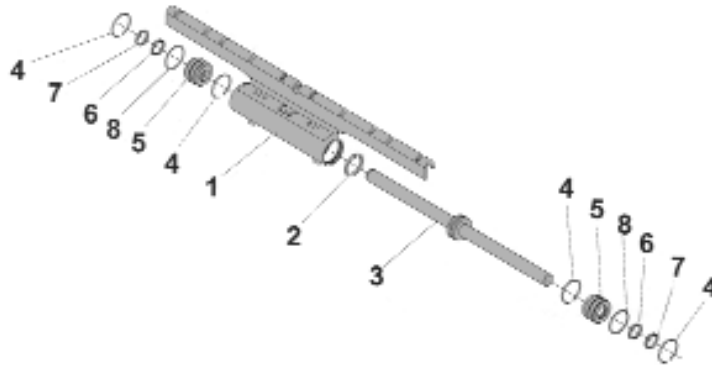
** = Hook kit: including bracket, bolt and nut (compl. for 1 hook).

**CYLINDER
FOR DSL3 5000kg
SEE NEXT PAGE**



CYLINDER RONCARI DSL3 - FEM3 CAPACITY 5000KG

TYPE: DSL3 1250R20 TILL DSL3 2000R20
 DSL3-01R0005 TILL DSL3-01R0012
 DSL35004.0001 TILL DSL35004.0013



No	Qty	Description	REF DSL3 FEM3
1	1	Cylinder	INDICATE WIDTH OF SIDE SHIFT
2*	1	Seal E/GR	113TA1685
3	1	Rod + piston	125TA6313
4*	4	Elastic ring	113TA1687
5	2	Ring Nut	113TA1688
6*	2	Seal EU	113TA1689
7*	2	Seal WRM	116TA5889
8*	2	O-Ring	113TA1690

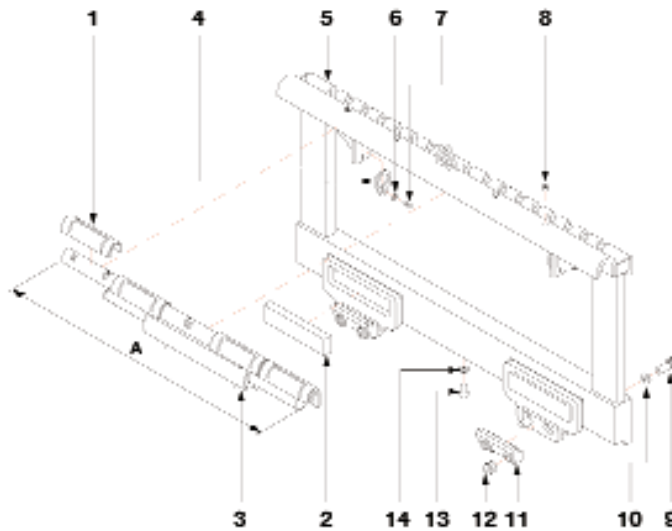
*Seal Kit **116TA5890**

SPARE PARTS FOR SIDE SHIFTS



SPARE PARTS USED FOR SIDE SHIFTS - RONCARI - FEM3 CAP: 5000KG/500

TYPE: DSL 3 1000R20-04 TILL DSL 3 2000R20-04, DSL35004.0001 TILL DSL35004.0013



TYPE UPDATE 2004

Fig. no	Qty	Description	REF Type DSL3
*1	4	upper bearing width of side shift 1000 to 1090mm	111TA3489
*1	5	upper bearing width of side shift 1095 to 1450mm	111TA3489
*1	7	upper bearing width of side shift 1450 to 1800mm	111TA3489
*1	9	upper bearing width of side shift 1800 to 2020mm	111TA3489
* 2	2	lower bearing width of side shift 1000 to 1320mm	123TA9005
* 2	3	lower bearing width of side shift 1350 to 1700mm	123TA9005
* 2	4	lower bearing width of side shift 1720 to 2020mm	123TA9005
3	1	cylinder assembly width of side shift 1000-1090mm (A=780mm)	123TA9006
3	1	cylinder assembly width of side shift 1095-1160mm (A=880mm)	123TA9007
3	1	cylinder assembly width of side shift 1160-1320mm (A=980mm)	123TA9008
3	1	cylinder assembly width of side shift 1320-1420mm (A=1080mm)	111TA5117
3	1	cylinder assembly width of side shift 1430-1620mm (A=1280mm)	111TA5119
3	1	cylinder assembly width of side shift 1620-1680mm (A=1380mm)	123TA9009
3	1	cylinder assembly width of side shift 1680-1770mm (A=1480mm)	111TA5120
3	1	cylinder assembly width of side shift 1770-2020mm (A=1680mm)	123TA9010
4	2	Washer	123TA9098
5	1	Forklift plate	indicate dimension L
6	2	Washer grower	123TA9099
7	2	Srew TE	123TA9100
8	1	grease nipple	107TA5530
** 9	4	Srew TE	123TA9101
** 10	4	Washer grower	123TA9102
** 11	2	Lower Hook	123TA9103
** 12	4	Selflocking nut	123TA9104
13	1	Srew TC	116TA6089
14	1	Washer grower	116TA6090

- * Bearing kit for width of side shift from 990 to 1090mm: **123TA9011**
- * Bearing kit for width of side shift from 1095 to 1320mm: **123TA9012**
- * Bearing kit for width of side shift from 1340 to 1420mm: **123TA9013**
- * Bearing kit for width of side shift from 1430 to 1680mm: **123TA9014**
- * Bearing kit for width of side shift from 1690 to 1760mm: **123TA9015**
- * Bearing kit for width of side shift from 1760 to 2020mm: **123TA9016**

** Hook kit: **123TA9017**

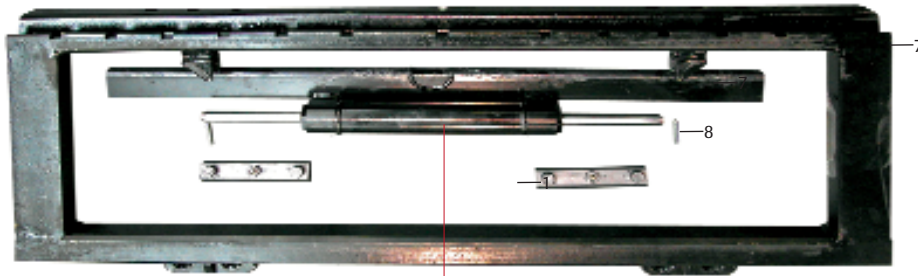
* Bearing kit: including upper and lower bearing.

** Hook kit: including bracket, bolt and nut (compl. for 1 hook).

CYLINDER FOR DSL3 5000kg SEE PREVIOUS PAGE

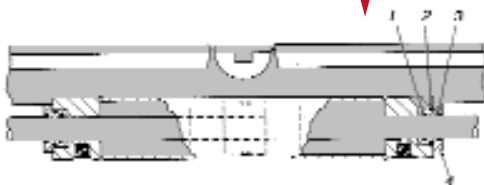
TOTAL SOURCE® SPARE PARTS - FEM II CAPACITY 2500KG

TYPE: TSCSA501, TSRS20900 TILL TSRS21250, TSCSA530



P.no	Qty	REF	description
1	2	124TA2707	Upper bearing nylon
2	2	124TA2708	Lower bearing nylon
*3	4	124TA2709	Nut
*4	2	124TA2710	Lower hook
*5	4	124TA2711	Washer
*6	4	124TA2712	Capscrew
7	1		Frame (on request, please indicate width or serial number of the side shift)
8	2	107TA6517	Roll pin

* REF 124TA2715 Hook kit (complete for 1 hook)



P.no	Qty	REF	description
	1	124TA2716	Cylinder assembly for width of side shift 780-840 mm
	1	124TA2717	Cylinder assembly for width of side shift 859-899 mm
	1	124TA2718	Cylinder assembly for width of side shift 900-1040 mm
	1	124TA2719	Cylinder assembly for width of side shift 1050-1140 mm
	1	124TA2720	Cylinder assembly for width of side shift 1150-1200 mm
*1	2	124TA2721	Rod seal
*2	2	124TA2722	O-ring
*3	2	124TA2723	Rod wiper seal
4	2	124TA2724	Retainer
*		124TA2725	Seal kit

SEPARATE SPARE PARTS AVAILABLE

TOTAL SOURCE® SPARE PARTS - FEM3 CAP: 5000KG/500

TYPE: TSRS 3 1000 TILL TSRS 3 2000

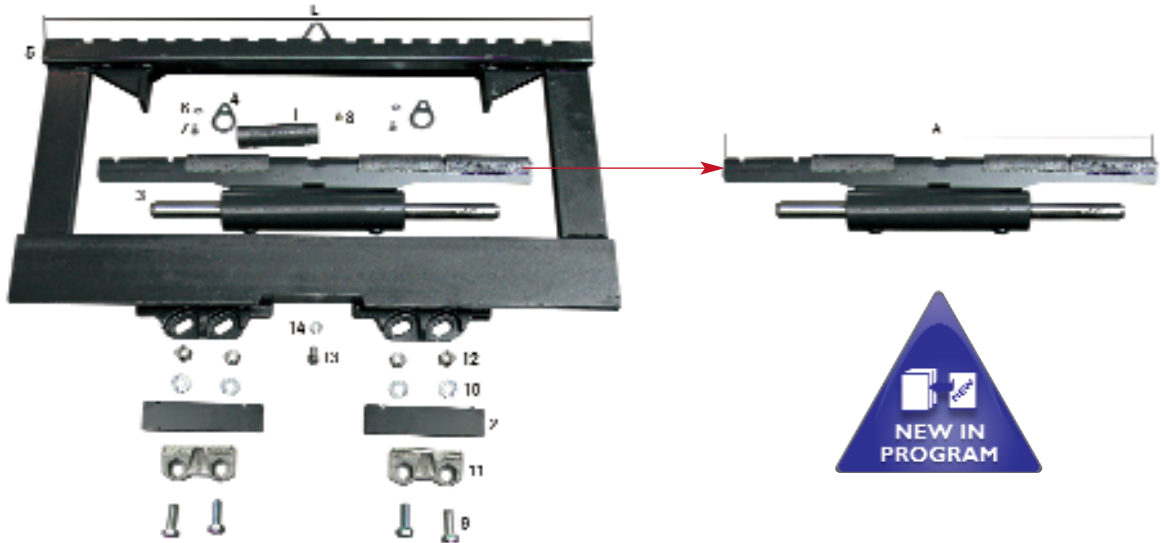


Fig. no	Qty	Description	REF Type DSL3
*1	4	upper bearing width of side shift 1000 to 1090mm	124TA2726
*1	5	upper bearing width of side shift 1095 to 1450mm	124TA2726
*1	7	upper bearing width of side shift 1450 to 1800mm	124TA2726
*1	9	upper bearing width of side shift 1800 to 2020mm	124TA2726
* 2	2	lower bearing width of side shift 1000 to 1320mm	124TA2727
* 2	3	lower bearing width of side shift 1350 to 1700mm	124TA2727
* 2	4	lower bearing width of side shift 1720 to 2020mm	124TA2727
3	1	cylinder assembly width of side shift 1000-1090mm (A=780mm)	124TA2728
3	1	cylinder assembly width of side shift 1095-1160mm (A=880mm)	124TA2729
3	1	cylinder assembly width of side shift 1160-1320mm (A=980mm)	124TA2730
3	1	cylinder assembly width of side shift 1320-1420mm (A=1080mm)	124TA2731
3	1	cylinder assembly width of side shift 1430-1620mm (A=1280mm)	124TA2732
3	1	cylinder assembly width of side shift 1620-1680mm (A=1380mm)	124TA2733
3	1	cylinder assembly width of side shift 1680-1770mm (A=1480mm)	124TA2734
3	1	cylinder assembly width of side shift 1770-2020mm (A=1680mm)	124TA2735
4	2	Washer	124TA2736
5	1	Forklift plate	indicate dimension L
6	2	Washer grower	124TA2737
7	2	Srew TE	124TA2738
8	1	grease nipple	124TA2739
** 9	4	Srew TE	124TA2740
** 10	4	Washer grower	124TA2741
** 11	2	Lower Hook	124TA2710
** 12	4	Selflocking nut	124TA2709
13	1	Srew TC	124TA2742
14	1	Washer grower	124TA2743

- * Bearing kit for width of side shift from 990 to 1090mm: **123TA9011**
- * Bearing kit for width of side shift from 1095 to 1320mm: **123TA9012**
- * Bearing kit for width of side shift from 1340 to 1420mm: **123TA9013**
- * Bearing kit for width of side shift from 1430 to 1680mm: **123TA9014**
- * Bearing kit for width of side shift from 1690 to 1760mm: **123TA9015**
- * Bearing kit for width of side shift from 1760 to 2020mm: **123TA9016**
- ** Hook kit: **123TA9017**

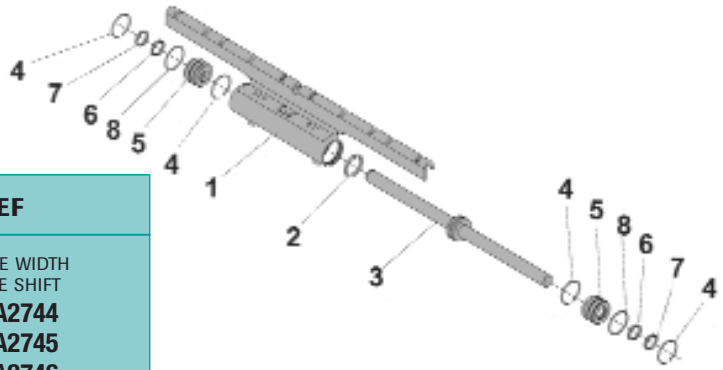
- * Bearing kit: including upper and lower bearing.
- ** Hook kit: including bracket, bolt and nut (compl. for 1 hook).

**CYLINDER
FOR TSRS31000 -
TSRS32000
SEE NEXT PAGE**



TOTAL SOURCE® CYLINDER - FEM3 CAPACITY 5000KG

TYPE: **TSR31000 - TSR32000**



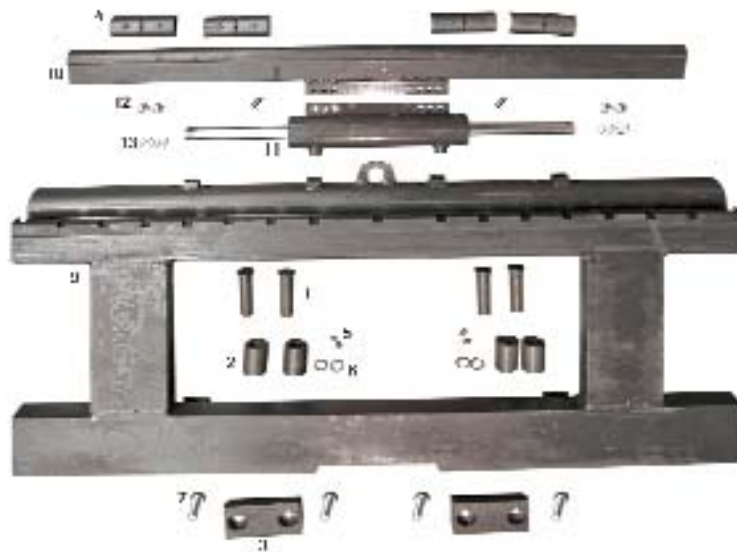
No	Qty	Description	REF
1	1	Cylinder	INDICATE WIDTH OF SIDE SHIFT
2*	1	Seal E/GR	124TA2744
3	1	Rod + piston	124TA2745
4*	4	Elastic ring	124TA2746
5	2	Ring Nut	124TA2747
6*	2	Seal EU	124TA2748
7*	2	Seal WRM	124TA2749
8*	2	O-Ring	124TA2750

*Seal Kit**116TA5890**

SPARE PARTS FOR SIDE SHIFTS

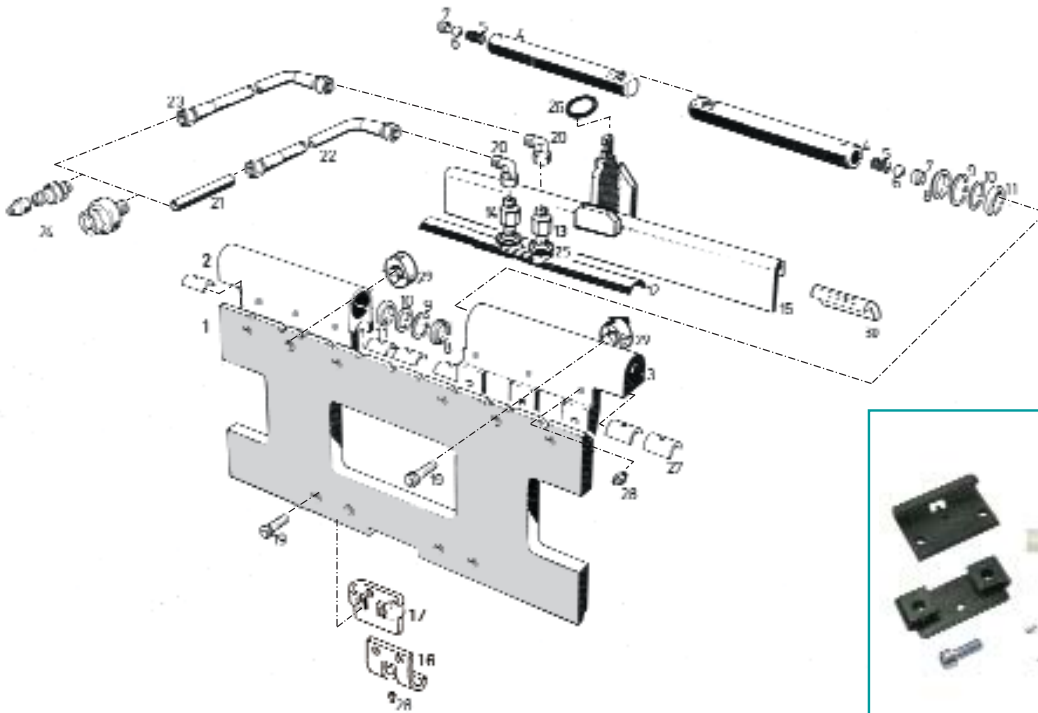
TOTAL SOURCE® SPARE PARTS - FEM4

TYPE: **TSRS41250 - TSRS42000**



No	Qty	Description	REF
*/**1	5	guide pin	124TA2751
*/**2	5	guide roll	124TA2752
***3	2	bracket	124TA2753
**4	4	bearing	124TA2754
*/**5	5	grease nipple	124TA2739
*/**6	5	circlips	124TA2755
***7	4	bolt	124TA2756
8	1	seal kit	124TA2757
9	1	frame, on request please give width	
10	1	bearing, on request please give width	
11	1	cylinder, on request	
12	4	bolt	124TA2758
13	4	washer	124TA2759
* complete roll			123TA5404
** bearing & roller kit			123TA5405
*** bracket kit			123TA5406

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 1T / 2T T151 P3



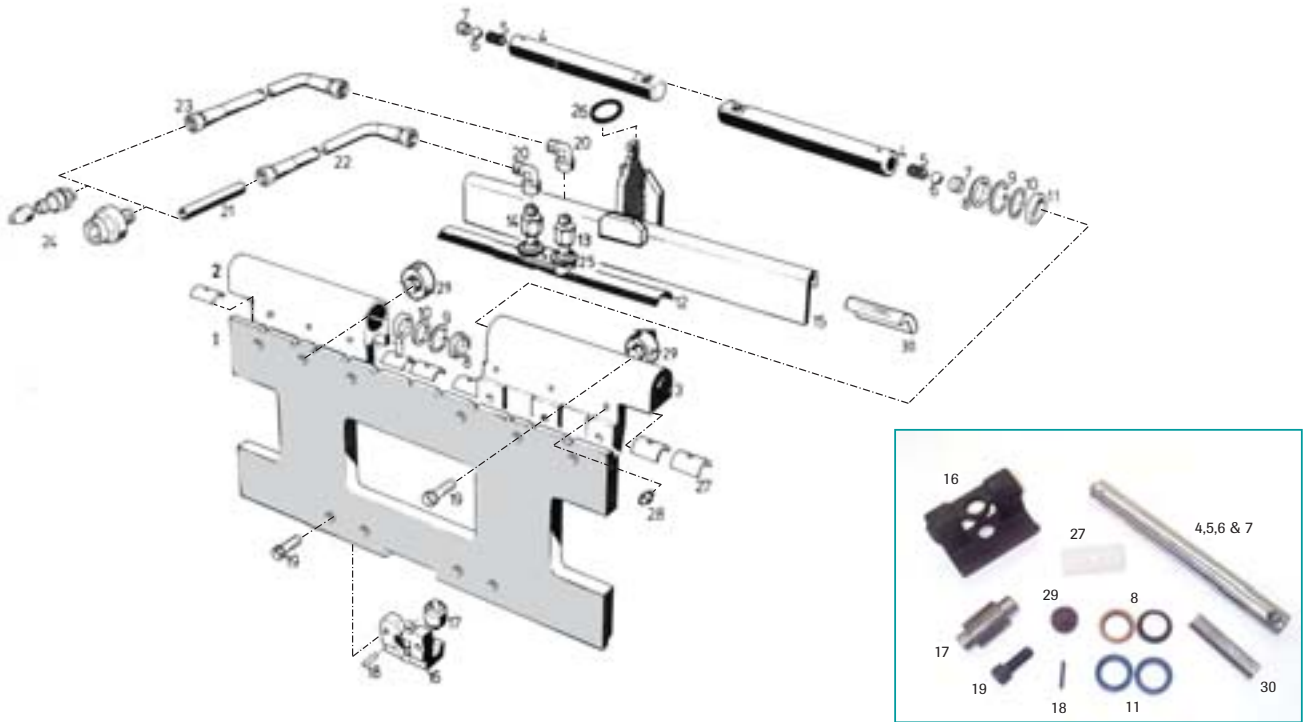
PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift
2 for 1T151P3	1	123TA1977	housing right compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 80 mm)
for 2T151P3	1	123TA1978	housing right compl. mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 100 mm)
3 for 1T151P3	1	123TA1979	housing left completely mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 80 mm)
for 2T15P3	1	123TA1980	housing left completely mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 100 mm)
4,5,6,7 for 1T151P3	2	107TA6526	piston rod (stroke 80 mm)
for 2T151P3	2	107TA6527	piston rod (stroke 100 mm)
5	2	122TA8899	pressure ring
6	2	122TA8933	ball
7	2	122TA8934	screw plug
8	2	122TA8935	stripper
9	2	122TA8903	circlips
10	2	122TA8904	washer
11	2	107TA6548	groove-ring
12	1	111TA3710	protection plate

SPARE PARTS USED FOR SIDE SHIFTS - KAUP T151 P3

PART No	Qty	REF	description
13	1	122TA8907	screw set
14	1	122TA8907	screw set
15	1	111TA3711	plate (length 800mm)
15	1	111TA3712	plate (length1020mm)
16	2	122TA8936	hook
**17	2	122TA8937	lower bearing
18	4	107TA6534	intermediate element
19	6	129TA8817	screw set
20	2	122TA8939	set screw
21	2		pipe on request, please give serial number of side shift
22	1		hose line on request, please give serial number of side shift
23	1		hose line on request, please give serial number of side shift
24	2		quick clutch on request, please give serial number of side shift
25	2	122TA8915	seal ring
26	1	122TA8916	o-ring
**27	6	107TA9542	upper bearing
**28	6	107TA5529	greasing nipples
29	4	107TA6533	screw
30	2	107TA6534	screw
** bearing kit		122TA8940	
seal kit (2x ref 8 and 2x ref 11)		107TA8698	

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 1T / 2T / 2,5T / 3T 151P2

SPARE PARTS FOR SIDE SHIFTS

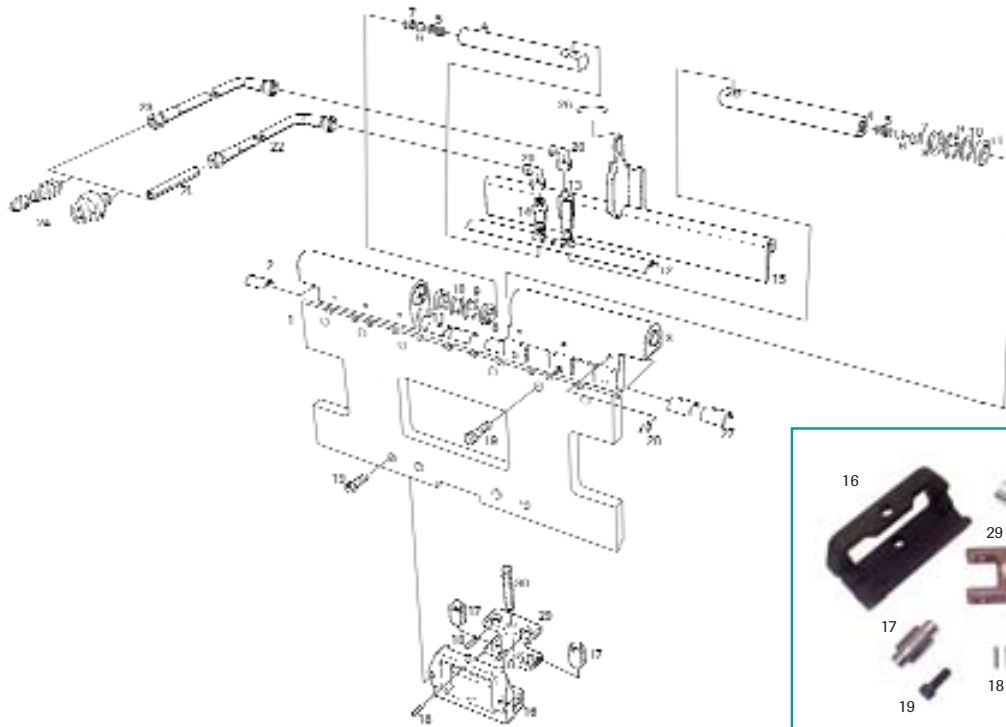


PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift
2 for 1T151P2	1	122TA8895	housing right completely mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 80 mm)
for 2T/3T151P2	1	122TA8896	housing right completely mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 100 mm)
3 for 1T151P2	1	122TA8897	housing left completely mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 80 mm)
for 2T/3T151P2	1	122TA8898	housing left completely mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 100 mm)
4,5,6,7 for 1T151P2	2	107TA6526	piston rod (stroke 80 mm)
for 2T/3T151P2	2	107TA6527	piston rod (stroke 100 mm)
5	2	122TA8899	pressure spring
6	2	122TA8900	ball
7	2	122TA8901	screw plug
8	2	122TA8902	stripper
9	2	122TA8903	circlips
10	2	122TA8904	washer
11	2	122TA8905	groove ring
12	1	122TA8906	protection plate
13	1	122TA8907	screw set
14	1	122TA8907	screw set

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 1T / 2T / 2,5T / 3T 151P2

PART No	Qty	REF	description
15	1	111TA3711	plate (length 800mm)
for 1T-2T151P2		111TA3712	plate (length 1020mm)
for 1T-2T151P2		111TA3713	plate (length 1020mm)
for 3T151P2			
* 16	2	107TA6528	hook
**17	2	122TA8908	supporting roller
*18	2	107TA6530	fixing pin
19	10	122TA8909	screw
20	2	122TA8910	
21	2	122TA8911	pipe
22	1	122TA8912	hose
23	1	122TA8913	hose
24	2	122TA8914	quick clutch
25	2	122TA8915	seal ring
26	1	122TA8916	o-ring
**27	6	107TA9542	sliding piece
28	6	122TA8917	greasing nipples
29	1	107TA6533	partition part
30		107TA6534	intermediate element
* hook kit (compl. for 1 hook)		107TA6535	
for 1T/2T151P2		107TA6536	
for 3T151P2			
** roller and bearing kit		121TA1377	
seal kit (2x ref 8 and 2x ref 11)		107TA8698	

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 4T 151 P2

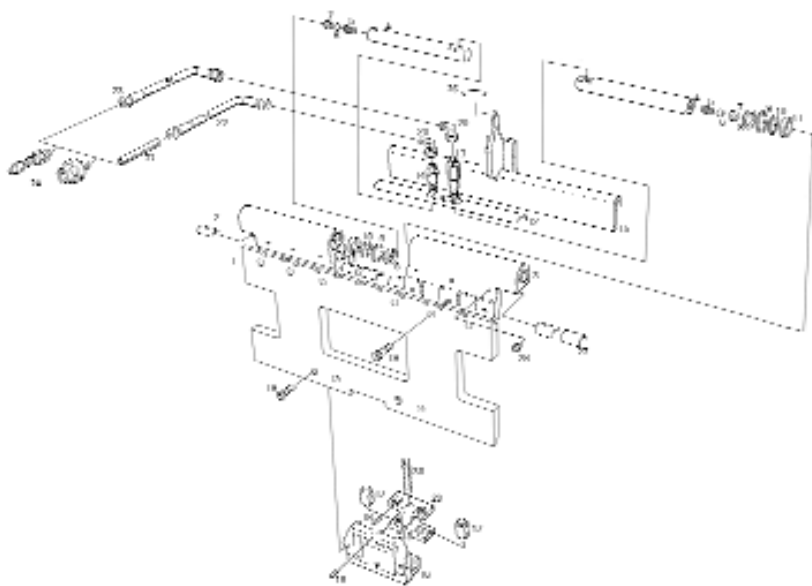


PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift
2	1	122TA8918	housing right compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 100 mm)
	1	122TA8919	housing right compl. mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 125mm)
3	1	122TA8920	housing left compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 100 mm)
	1	122TA8921	housing left compl. mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 125 mm)
4	2	122TA8922	piston rod (stroke 100 mm) (incl. 4,5,6and 7, stroke 100 mm)
	2	107TA6539	piston rod (stroke 125 mm) (incl. 4,5,6and 7, stroke 125 mm)
5	2	122TA8923	pressure spring
6	2	122TA8900	ball
7	2	122TA8901	screw plug
8	2	122TA8924	stripper
9	2	123TA9024	circlips
10	2	122TA8926	washer
11	2	122TA8927	groove ring
12	1	122TA8928	protection plate
13	1	122TA8907	screw set

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 4T 151 P2

PART No	Qty	REF	description
14	1	122TA8907	screw set
15	1	111TA3708	plate (length 1100mm)
*16	2	122TA8929	hook
*/**17	4	104TA2360	supporting roller
*18	6	107TA6530	fixing pin
19	4	122TA8909	screw
20	2	122TA8939	elbow
21	2		pipe on request, please give serial number of side shift
22	1		hose line on request, please give serial number of side shift
23	1		hose line on request, please give serial number of side shift
24	2		quick clutch on request, please give serial number of side shift
26	2	122TA8916	o-ring
**27	6	107TA6532	sliding piece
28	6	122TA8917	greasing nipple
*29	2	107TA6541	holder
*30	2	107TA6542	bolt
* hook kit (compl. for 1 hook)		107TA6543	
** roller and bearing kit		107TA6544	
seal kit (2x ref 8 and 2x ref 11)		107TA9541	

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 5T / 6T 151 P2



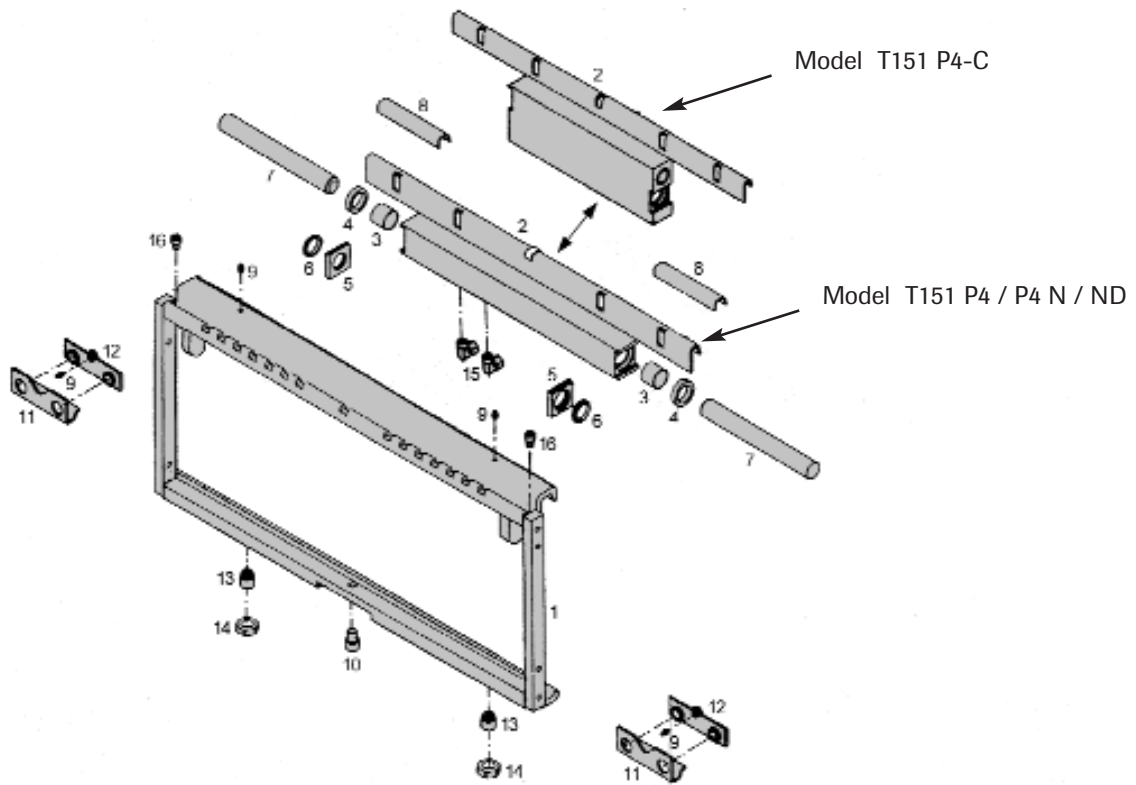
PART No	Qty	REF	description
1	1		fork carriage on request, please give serial number of side shift
2 for 5T151P2	1	123TA1981	housing right compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 100 mm)
for 5T151P2	1	110TA9007	housing right compl. mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 125 mm)
for 6T151P2		123TA9018	housing right compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 100 mm)
for 6T151P2		123TA9019	housing right compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 125 mm)
for 6T151P2		122TA9026	housing right compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 160 mm)
3 for 5T151P2	1	123TA1983	housing left compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 100 mm)
for 5T151P2	1	123TA1984	housing left compl. mounted (incl. 3,5,6,7,8,9,10 and 11, stroke 125 mm)
for 6T151P2		123TA9020	housing left compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 100 mm)
for 6T151P2		123TA9021	housing left compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 125 mm)
for 6T151P2		122TA9027	housing left compl. mounted (incl. 4,5,6,7,8,9,10 and 11, stroke 160 mm)
4 for 5T151P2	2	122TA8922	piston rod (stroke 100 mm) (incl. 4,5,6 and 7, stroke 100 mm)
for 5T151P2	2	107TA6539	piston rod (stroke 125 mm) (incl. 4,5,6 and 7, stroke 125 mm)
for 6T151P2	2	123TA9022	piston rod (stroke 100 mm) (incl. 4,5,6 and 7, stroke 100 mm)
for 6T151P2	2	123TA9023	piston rod (stroke 125 mm) (incl. 4,5,6 and 7, stroke 125 mm)
for 6T151P2	2	122TA9028	piston rod (stroke 160 mm) (incl. 4,5,6 and 7, stroke 160 mm)
5	2	122TA8923	pressure spring
6	2	122TA8900	ball
7	2	122TA8901	screw plug
8 for 5T151P2	2	122TA8924	stripper
for 6T151P2	2	122TA9029	stripper

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 5T / 6T 151 P2

PART No	Qty	REF	description
9			
for 5T151P2	2	123TA9024	circlips
for 6T151P2	2	122TA9030	circlips
10			
for 5T151P2	2	122TA8926	washer
for 6T151P2	2	122TA9031	washer
11			
for 5T151P2	2	122TA8927	groove ring
for 6T151P2	2	122TA9032	groove ring
12			
for 5T151P2	1	122TA8928	protection plate
for 6T151P2	1	122TA9033	protection plate
13	1		
for 5T151P2	1	122TA8907	set screw
for 6T151P2	1	123TA1985	set screw
14			
for 5T151P2	1	122TA8907	set screw
for 6T151P2	1	122TA9034	set screw
15			
for 5T151P2	1	122TA9035	plate (length 1220mm)
for 6T151P2	1	122TA9036	plate (length 1390mm)
for 6T151P2	1	122TA9037	plate (length 1700mm)
*16	2	122TA9038	hook
//****17	4	122TA8908	supporting roller
*18	6	107TA6530	fixing pin
19	14	122TA9039	screw
20	2	122TA9040	elbow
21	2		pipe on request, please give serial number of side shift
22	1		hose line on request, please give serial number of side shift
23	1		hose line on request, please give serial number of side shift
24	2		quick clutch on request, please give serial number of side shift
26	1	122TA8916	o-ring
27			
** for 6T151P2	6	122TA9042	sliding piece
*** for 5T151P2	6	107TA6532	sliding piece
28	6	122TA8917	greasing nipple
*29	2	107TA6541	holder
*30	2	107TA6542	bolt
* Hook kit (compl, for 1hook)		122TA9043	
*** Roller and bearing kit for 5T151P2		107TA6544	
** Roller and bearing kit for 6T151P2		122TA9044	
Seal kit for 5T151P2 (2x ref 8 and 2x ref 11)		107TA9541	
Seal kit for 6T151P2 (2x ref 8 and 2x ref 11)		122TA9045	

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 1-2T 151 P4, P4 N, P4 ND, P4-C

SPARE PARTS FOR SIDE SHIFTS



Partno	Qty	REF	Description
1	1	on request	Fork carriage
2	1	on request	Guide compl. 1-2T 151 P4 AND P4N
2	1	on request	Guide compl. 1-2T 151P4-C
3	2	107TA6546	Bush
*4	2	107TA6548	Groove ring
5	2	107TA6549	Washer
*6	2	111TA5990	Stripper
7	2	107TA6551	Piston rod 1-2T 151 P4 AND P4N
7	2	111TA5991	Piston rod 1-2T 151P4-C
**8	2	107TA6552	Upper bearing
**9	4	107TA5529	Grease nipples
10	1	107TA6553	Screw
11	2	111TA5987	Hook (1-2T 151 P4 from 1999 onwards, 1-2T P4N, P4ND, P4-C, material cast iron)
11	2	107TA6554	Hook (1-2T 151 P4 till 1999, material stamped plate)
**12	2	107TA6555	Lower bearing
13	2	107TA6556	Screw plug
14	2	111TA5988	Nut
15	2	on request	Fitting
16	2	on request	Screw

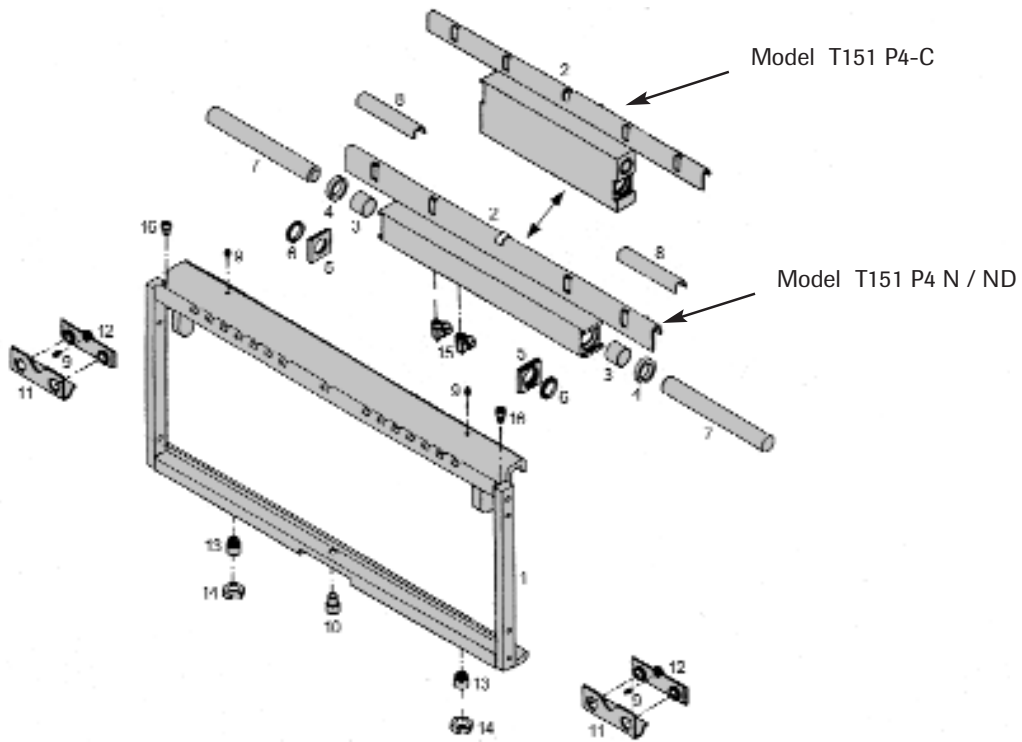
* Seal kit compl.

REF 107TA6559

** Bearing kit: including upper and lower bearing and grease nipples:

REF 107TA6560

SPARE PARTS USED FOR SIDE SHIFTS - KAUP 1-2T 151 P4 ND



1-2T 151 P4ND

Partno	Qty	REF	Description
2	1	<i>on request</i>	Guide compl.
3	2	111TA5993	Bush
*4	2	111TA5994	Groove ring
5	2	111TA5995	Washer
*6	2	111TA5996	Stripper
7	2	111TA5997	Piston rod
*	1	111TA5998	Seal kit

* Seal kit included.

SPARE PARTS USED FOR SIDE SHIFTS - ATIB TYPE 109.25 AND TYPE 109.50



used for ATIB TYPE 109.25 CODE 03HFA2C
class FEM2 capacity 2500kg

used for ATIB TYPE 109.50 CODE 03HLL3C
class FEM3 capacity 5000kg

	Partno	REF/piece	Qty
NYLON			
*Upper bearing	1	111TA6003	4
*Lower bearing	2	111TA6004	2
BRASS			
**Upper bearing	1	111TA6012	4
**Lower bearing	2	111TA6024	2
Seal kit	3	111TA6005	1
***Hook	4	111TA6006	2
***Bolt	5	111TA6007	4
***Washer	6	111TA6008	4
***Washer	7	111TA6009	4
Cylinder	8	123TA9504	1
* Bearing Kit nylon		111TA6010	
**Bearing Kit brass		111TA6013	
*** Hook kit (compl. for 1 hook)		111TA6011	

	Partno	REF/piece	Qty
NYLON			
*Upper bearing	1	111TA6014	4
*Lower bearing	2	111TA6004	2
BRASS			
**Upper bearing	1	111TA6023	4
**Lower bearing	2	111TA6024	2
Seal kit	3	111TA6015	1
***Hook	4	111TA6016	2
***Bolt	5	111TA6017	4
***Washer	6	111TA6018	4
***Washer	7	111TA6020	4
Cylinder	8	123TA9505	1
* Bearing Kit nylon		111TA6021	
** Bearing Kit brass		111TA6025	
*** Hook kit (compl. for 1 hook)		111TA6022	

* = Bearing kit nylon: including upper and lower bearing.
** = Bearing kit brass: including upper and lower bearing.

*** = Hook kit: including hook, bolt and nut
(compl. for 1 hook).

SPARE PARTS USED FOR SPREADERS AND CONTAINER EQUIPMENT

USED FOR **BROMMA**

USED FOR **ELME**

USED FOR **KALMAR**

USED FOR **MANDIGERS**



TECHNICAL DETAIL: TWIST LOCKS

EXAMPLE



Company:

Customer code:

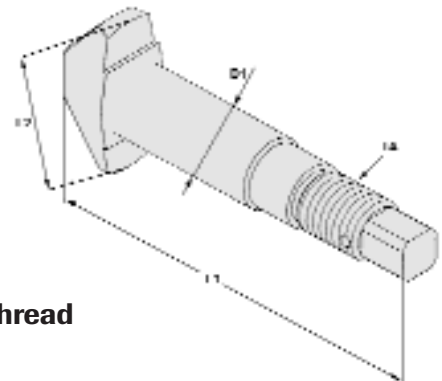
Name:

Fax number:

Truck make:

Truck type: Serial nr.:

- ① L1 total length of pin
- ② L2 maximum width of pin head (see picture)
- ③ D1 diameter of pin (see picture)
- ④ TA thread type
- ⑤ PM pitch metric
- ⑥ PI pitch inch
- ⑦ RH/LH right hand (RH) or left hand (LH) thread



TWIST LOCK NUTS



FAX FORM: SPREADER AND CONTAINER EQUIPMENT SPARE PARTS



NOTES

NOTES

Lined writing area with horizontal blue lines.