MULTI PALLET HANDLERS

Multi Pallet Handlers

are, like multi sideshifters specific for transporting several pallets simultaneously. Contrary to multi sideshifters the forks of the multi pallet handlers can be moved together or spread apart as required. Therefore a centre pick up of the load is guaranteed. Multi Pallet Handlers are indispensable for rational intra-company transport where uniform palletized goods have to be moved. They are in worldwide use in different branches of industries for efficient and economical logistics.

How to select the ideal Multi Pallet Handler for your application can be seen in the scheme on page 47.

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Recommended Oil flow rates, Pressures and Forklift truck capacities

Multi Pallet Handlers

Attachment	Page	Oil flow rate (oil volume) [l/min] min.	optimum	max.	Maximum operating pressure [bar]	Maximum capacity forklift truck / LCD [kg/mm]
1,5 429C	48	15	25	30	200	2.000/500
2T 429C	48	15	25	30	200	3.500/500
2T 429C-4	48	15	25	30	200	3.000/500
2,5T 429C-4	48	15	25	30	200	3.500/500
3T 429C	48	15	25	30	200	4.500/500
3T 429C-2	48	25	40	50	200	6.000/600
3T 429C-4	48	25	40	50	200	5.000/600
3,5T 429C-4	48	25	40	50	200	5.000/600
4T 429C-4	48	25	40	50	200	8.000/600
6T 429-4	48	25	40	50	200	8.000/900
2T 429C / T 149 Z	50	15	25	30	200	5.000/500
3T 429B-1-2-3 / T 149 Z	50	15	25	30	200	5.000/600
3T 429B-1-2-3	49	15	25	30	200	4.000/500
4T 429B-1-2-3	49	15	25	30	200	5.000/500
5T 429B-1-2-3	49	15	25	30	200	6.000/600
4T 429-4-6	51	25	40	50	180	5.000/600
6T 429-4-6	51	50	65	80	180	8.000/600
10T 429-4-6	51	50	65	80	180	8.000/900
4T 419-4-8	51	25	40	50	180	8.000/600
12T 419-4-8	51	50	65	80	180	15.000/600
6T 419-2-4	51	50	65	80	180	8.000/600

Multi pallet transportation with maximum cost-effectiveness



Multi Pallet Handlers

Customised options for specific handling tasks

Forks and Load Backrests

Fork length and cross section as well as height and design of load backrests can be individually optimised and fitted for every application.
The fork tips can be fitted with a pallet retainer lip upon request.



Load end stop

Multi Pallet Handlers can be fitted with a mechanical or hydraulic hinged load stop to conveniently adapt fork length to different lengths of pallets.



Load Stabilizers

All **KAUP** Multi Pallet Handlers can be fitted/combined with different load stabilizers as required, exactly specified to the load where palletized goods have to be secured during transportation with a forklift truck to prevent the load from slipping when going around corners or driving over uneven ground. A multitude of KAUP Multi Pallet Handlers fitted with Load Stabilizers are used, for example, in the beverage industry for loading crates stacked on a pallet. KAUP Load Stabilizers can be designed to meet every customer's requirement. Following are only a few examples.



Double Pallet Handler T429C-129 with interlocking Load Stabilizers on the outer forks

Opening range over outer edges of forks 560 to 1.960 mm

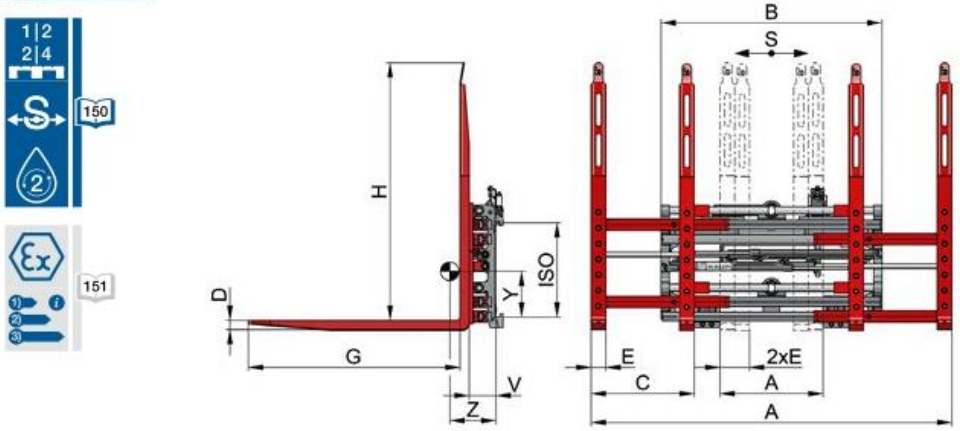
Opening range of load stabilizer approx. 1.200 to 2.010 mm

Load Stabilizer contact pad frame approx. 800 x 800 mm with rubber tubing



Double Pallet Handler T429C-124 with body-installed telescopic Load Stabilizer

Opening range over outer edges of forks 560 to 1.960 mm
Opening range of load stabilizer approx. 1.170 to 2.970 mm
Load Stabilizer contact pad frame approx. 800 x 800 mm with rubber tubing



Double Pallet Handler T429C with bolt-on forks

For 1 pallet or 2 pallets side by side - model 429-4 for 2 or 4 pallets

Model	Capacity kg	LCD mm	S mm	A mm	B mm	D mm	E mm	H mm	G mm	ISO cl.	V mm	CofG Z mm	CofGv Y mm	Weight kg
1,5T 429C	1.600	600	± 100	560-1.720	930	40	80	1.400	1.150	2	145	228	241	438
2T 429C	2.200	600	± 100	560-1.960	1.200	40	80	1.400	1.150 2)	2	145	216	245	470
2T 429C	2.500	600	± 100	560-1.960	1.200	50 1)	80	1.400	1.150 2)	2	145	242	239	518
2T 429C	2.500	600	± 100	560-1.960	1.200	50 1)	80	1.400	1.150 2)	3	145	238	246	527
2T 429C	2.500	600	± 100	560-2.160	1.400	50 1)	80	1.400	1.150 2)	2	145	236	240	536
2T 429C	2.500	600	± 100	560-2.160	1.400	50 1)	80	1.400	1.150 2)	3	145	232	247	545
2T 429C-4	1.250	1.200	± 100	560-1.960	1.200	50	80	1.400	2.400	2	145	550	181	650
2T 429C-4	1.250	1.200	± 100	560-1.960	1.200	50	80	1.400	2.400	3	145	543	188	660
2,5T 429C-4	1.600	1.200	± 100	560-1.960	1.200	60	80	1.400	2.400	3	145	577	181	730
3T 429C	3.200	600	± 100	560-1.960	1.200	60	80	1.400	1.150 2)	3	145	256	241	572
3T 429C	3.200	600	± 100	560-2.160	1.400	60	80	1.400	1.150 2)	3	145	250	243	590
3T 429C-2 3)	5.000	600	± 100	560-1.960	1.200	60	80	1.400	1.150 2)	3	180	246	287	720
3T 429C-2 3)	5.000	600	± 100	560-1.960	1.200	60	80	1.400	1.150 2)	4	183	238	288	749
3T 429C-2	5.000	600	± 100	560-1.960	1.400	60	80	1.400	1.150 2)	3	180	240	289	748
3T 429C-2	5.000	600	± 100	560-1.960	1.400	60	80	1.400	1.150 2)	4	183	233	290	777
3T 429C-4 3)	2.500	1.200	± 100	560-1.960	1.200	60	80	1.400	2.400	3	180	578	220	910
3T 429C-4 3)	2.500	1.200	± 100	560-1.960	1.200	60	80	1.400	2.400	4	183	561	212	940
3T 429C-4	2.500	1.200	± 100	560-1.960	1.400	60	80	1.400	2.400	3	180	563	223	933
3T 429C-4	2.500	1.200	± 100	560-1.960	1.400	60	80	1.400	2.400	4	183	550	215	963
3,5T 429C-4 3)	2.800	1.200	± 100	560-1.960	1.200	60	80	1.400	2.400	3	180	568	221	941
3,5T 429C-4 3)	2.800	1.200	± 100	560-1.960	1.200	60	80	1.400	2.400	4	183	561	212	941
3,5T 429C-4	2.800	1.200	± 100	560-1.960	1.400	60	80	1.400	2.400	3	180	556	224	964
3,5T 429C-4	2.800	1.200	± 100	560-1.960	1.400	60	80	1.400	2.400	4	183	550	215	964
4T 429C-4 4)	3.200	1.200	± 160	560-1.960	1.460	60	80	1.400	2.400	4	183	512	237	1.038
4T 429C-4 4)	4.600	1.200	± 160	560-1.960	1.460	70	80	1.400	2.400	4	183	536	228	1.111
6T 429-4 4)	6.000	1.200	± 160	560-1.960	1.860	75	90	1.400	2.400	4	218	530	205	1.390
6T 429-4 4)	6.000	1.200	± 250	560-1.960	1.920	75	90	1.400	2.400	4	218	530	205	1.410

Preferential range

Measurement „C" = alternatively 560 / 650 / 700 mm mechanically or hydraulically adjustable (solenoid valve required). Measurement „H" = standard height 1.400 mm, other lengths and forms upon request. Pallet retainer lip available upon request. Double solenoid valve for additional individual adjustment for each pair of forks available upon request.

1) Optional with fork thickness 40 mm.
2) Fork length optional 1.000 mm, 1.150 mm or 1.200 mm.
3) For pallet width 1.200 mm we recommend the 1.400 mm wide body version.
4) Standard with wider fork shanks.

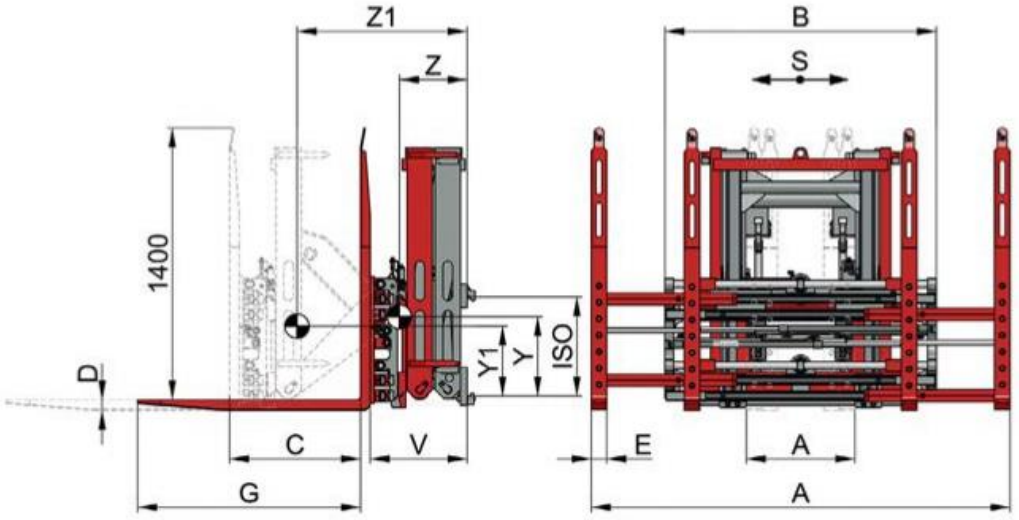












Double / Triple Pallet Handler on a Pantograph T429 / T149Z

with bolt-on forks - for double deep loading and unloading of 1 or 2 pallets or e.g. of 1, 2 or 3 pallets.

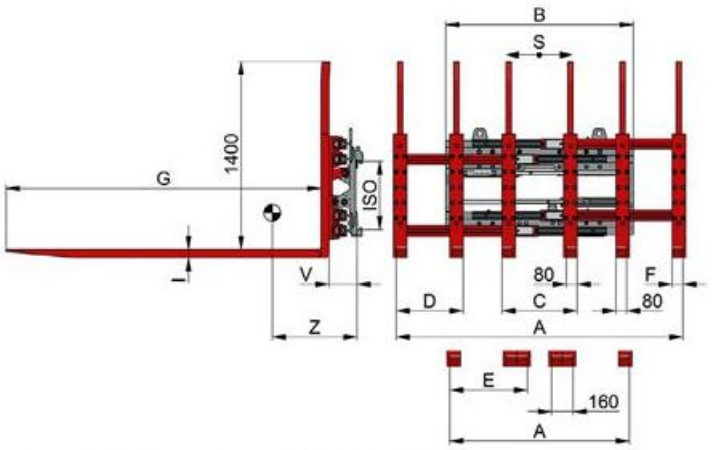
Model	Capacity kg	LCD mm	S mm	Opening range A mm	Width B mm	D mm	E mm	G mm	C mm	ISO cl.	V mm	CofG Z mm	CofG Z1 mm	CofG$_V$ Y mm	CofG$_V$ Y1 mm	Weight kg
2T 429C / 2T 149Z	1.950	600	± 100	560-1.960	1.200	50	80	1.150	620	3	575	435	902	363	330	980
2T 429C / 3T 149Z	2.500	600	± 100	560-1.960	1.200	50	80	1.150	750	3	500	348	873	412	363	1.220
3T 429B-1-2-3 / 3T 149Z	2.650	600	± 100	560-2.410	1.660	50	60	1.150	750	3	525	375	933	404	363	1.442
3T 429B-1-2-3 / 3T 149Z	2.650	600	± 100	560-2.410	1.660	50	60	1.150	750	4	525	377	938	365	324	1.435

Pallet retainer lip available upon request. Wider fork shanks available upon request.
Fork length optional 1.000 mm, 1.150 mm or 1.200 mm.





T429B-1-2-3 / T149Z





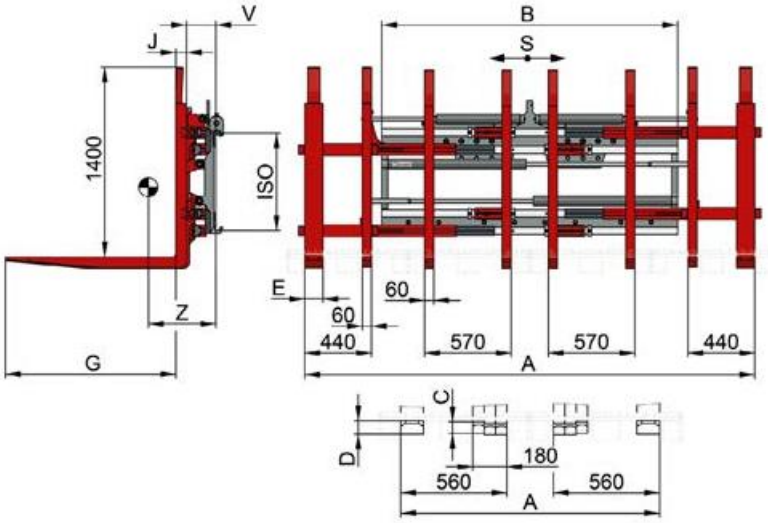


Six Pallet Handler T429-4-6

with bolt-on forks - Pallet handling lengthwise 800 x 1.200 mm for 4 or 6 pallets

Model	Capacity kg	LCD mm	S mm	A mm	B mm	C mm	D mm	E mm	F mm	I mm	G mm	ISO cl.	V mm	CofG Z mm	Weight kg
4T 429-4-6	2.500	1.200	± 125	1.340-2.140	1.400	560	500	580	80	60	2.350	3/4	212	635	1.250
6T 429-4-6	4.000	1.200	± 160	1.340-2.290	1.790	560	500	580	90	70	2.350	4	192	615	1.435
6T 429-4-6	4.000	1.200	± 160	1.340-2.740	2.260	560	500	580	90	70	2.350	4	192	605	1.470
10T 429-4-6	6.000	1.200	± 160	1.340-2.290	1.790	560	500	580	110	70	2.350	4	207	600	1.680
10T 429-4-6	6.000	1.200	± 160	1.340-2.740	2.260	560	500	580	110	70	2.350	4	207	585	1.720
10T 429-4-6	6.000	1.200	± 160	1.360-2.840	2.260	560	480	560	110	70	2.350	4	207	585	1.720

6T and 10T available with ± 250 mm extended sideshift.
Six Pallet Handler with Load Stabilizer available upon request. **Six Pallet Handler in integrated version available upon request.**







Four Pallet Handler / Eight Pallet Handler T419-2-4 / T419-4-8L

for 2 or 4 pallets side by side or 4 or 8 pallets

Model	Capacity kg	LCD mm	S mm	A mm	B mm	C mm	D mm	E mm	J mm	G mm	ISO Kl.	V mm	CofG Z mm	Weight kg
4T 419-4-8 L	3.600	1.200	± 160	1.365-2.965	1.950	60	70	120	70	2.350	4	194	612	1.655
12T 419-4-8 L	8.000	1.200	± 160	1.365-2.965	2.500	80	70	150	80	2.400	Pin-Type	305	554	3.110
6T 419-2-4	4.800	600	± 160	1.365-2.965	1.950	45	50	120	70	1.150	4	192	257	1.320
6T 419-2-4	4.800	600	± 250	1.365-2.965	1.950	45	50	120	70	1.150	4	192	256	1.325