KAUP

Helping hands for your Forklift truck

Pusher & Push-Pull

Pusher & Push-Pull with sheet saver

T141S - T146S

Push-Pulls

Push-pull attachments allow the transportation of loads by means of inexpensive and place saving slip-sheets which are usually made of plastic or cardboard. Expensive and unwieldy wooden pallets are then superfluous. This makes, for example, economical loading of over-seas containers feasible.

The gripper bar on the push-pull grate pulls the slip-sheets, together with the load, onto the carrying plate of the push-pull and the load is thus transported to its destination point. The load is either pushed off together with the slip-sheet, or in the case of a push-pull with slip-sheet saver, only the load is pushed off.
KAUP has modified and technically improved its previous range of push-pulls. The most important difference to the “old” range is that the new range of push-pulls is designed with a scissor system so that the pushing mechanism is self-supporting and needs no further support. A further advantage of the new push-pull lies in the hydraulic system. All hydraulic cylinders have been optimised to the required application guaranteeing safe handling of the load. Also the use of plastic sliding bushes is service friendlier and makes the bearings of the scissor system maintenance free.

Typical goods, where KAUP push-pulls are put in operation, are cartons and bagged goods as well as beverage cans and bottles.

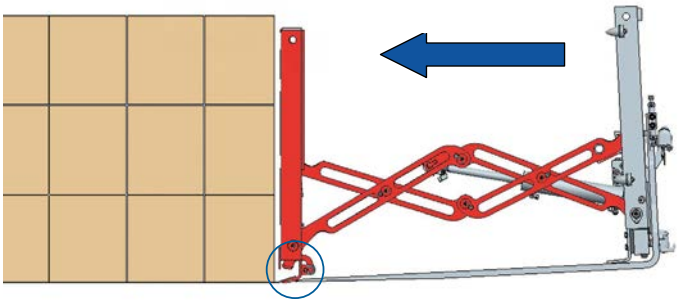
KAUP state-of-the-art push-pulls are available in different versions

- **with or without pallet saver**
- **with separate sideshifter**
- **with hydraulically adjustable carrying plate**

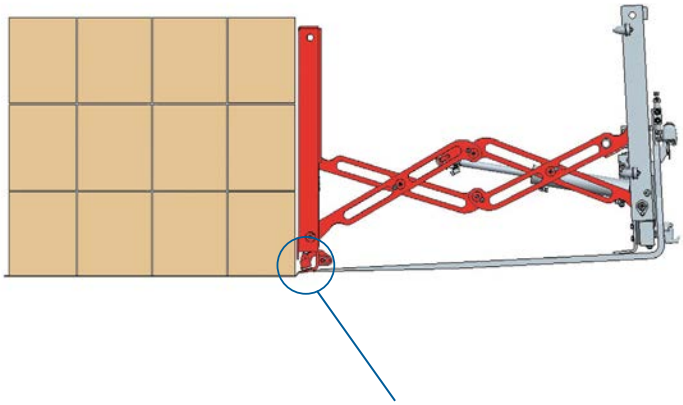
The new range is also available as slip-on version which can be easily fitted on forks of all sizes.

Functionality of the Push-Pull with sheet saver T145S and T146S

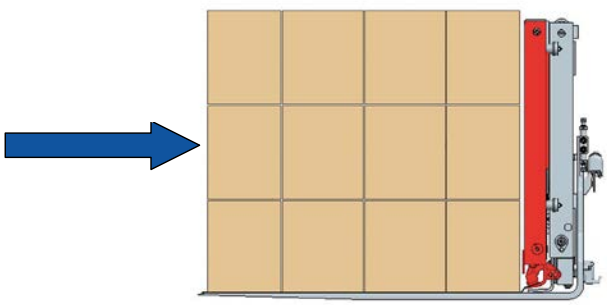
Step 1
Approach the load until the flap fits into the gripper channel

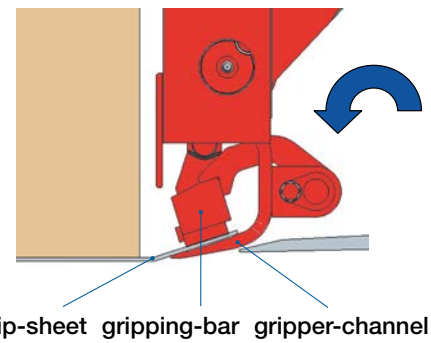


Step 2
Grip the slip-sheet

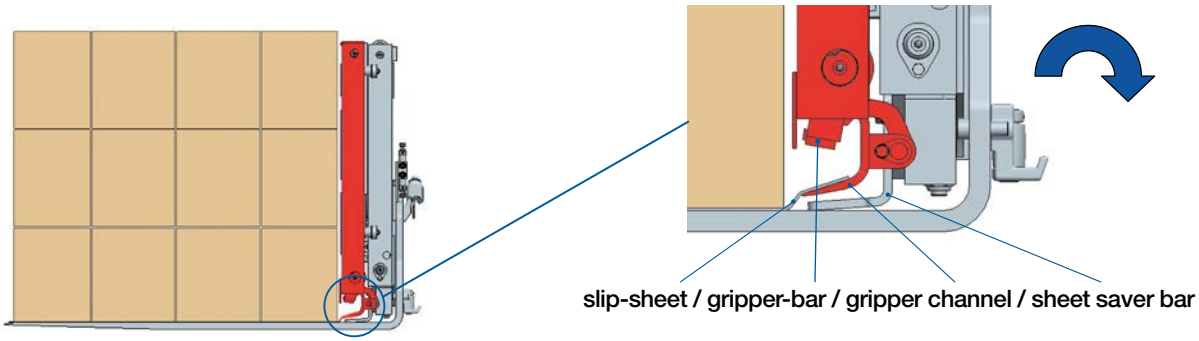


Step 3
Pull the slip-sheet and load onto the platen

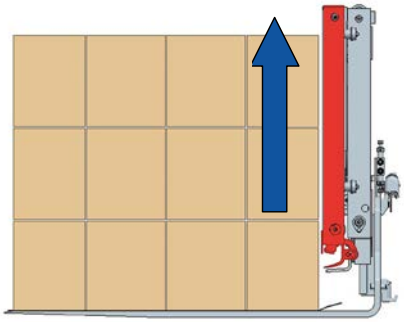




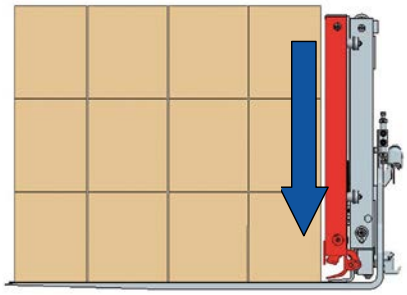
Step 4
Release the flap



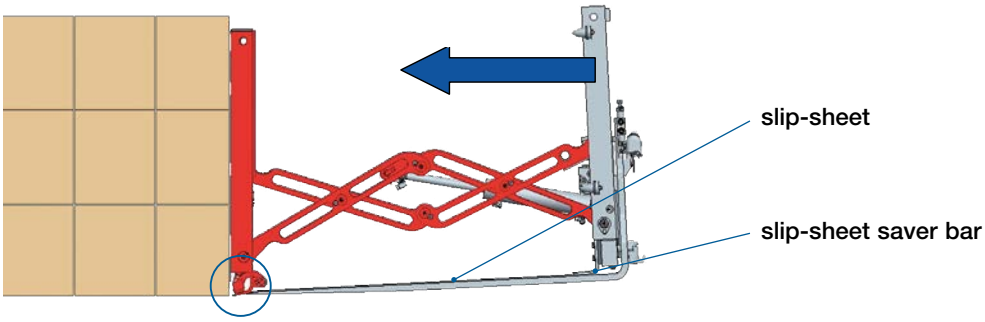
Step 5
Slip-sheet saver bar is raised



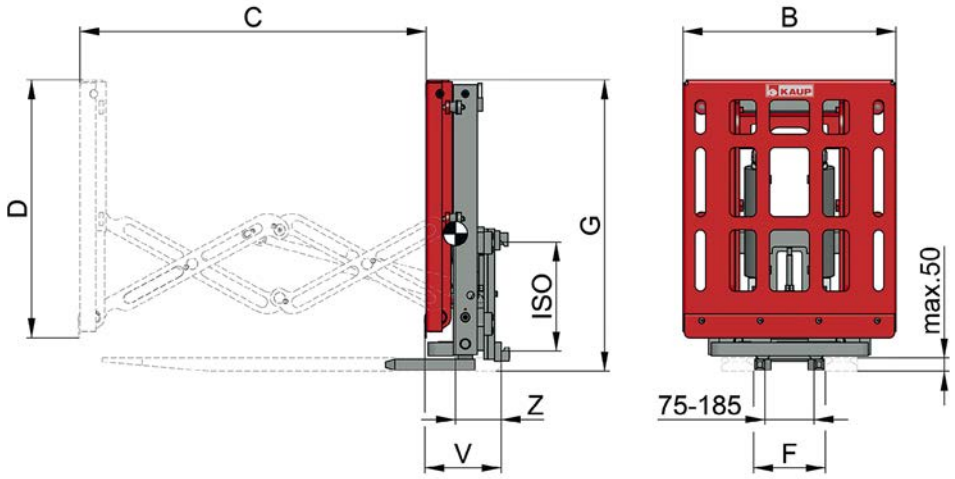
Step 6
Slip-sheet saver bar is lowered and presses down the slip-sheet



Step 7
Load is pushed off whilst the slip-sheet remains on the platen



T180



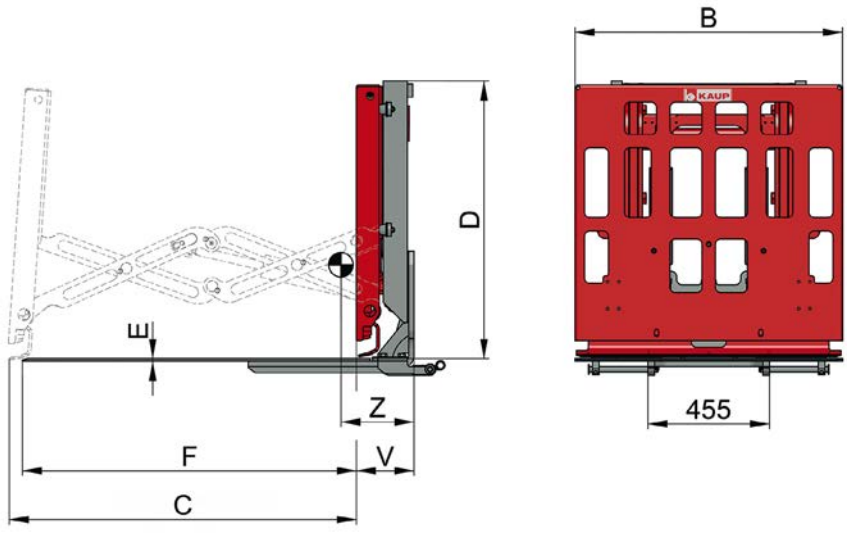
T141S/180
Multi-fork pusher
available upon request

Pusher T141S 1 hydraulic function
Pusher with pallet retainer T142S 2 hydraulic functions

Model	Pushing ability kg	B mm	C mm	D mm	F mm	G mm	ISO cl.	V mm	CofG Z mm	Weight kg
2 T 141 S	2.000	800	850	945	260	1.020	2/3	280	165	285
2 T 142 S	2.000	800	850	970	260	1.090	2/3	287	165	340
2 T 141 S	2.000	800	1.300	945	260	1.020	2/3	280	165	285
2 T 142 S	2.000	800	1.300	970	260	1.090	2/3	287	165	340
3 T 142 S	3.000	800	1.300	970	260	1.090	2/3	287	165	340

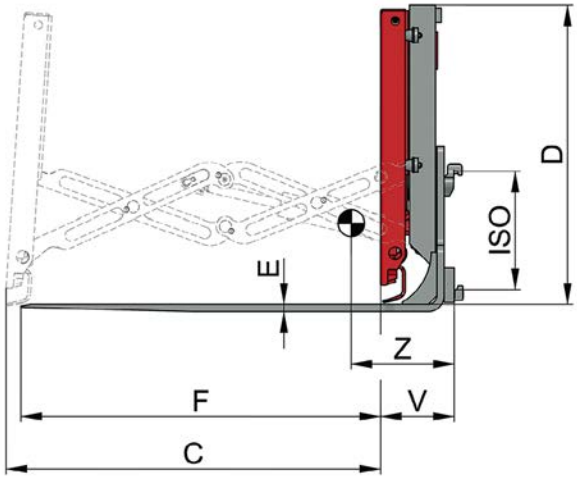
Forks are not included. To choose the right fork length please consider dimension „V“ of the pusher.

T180



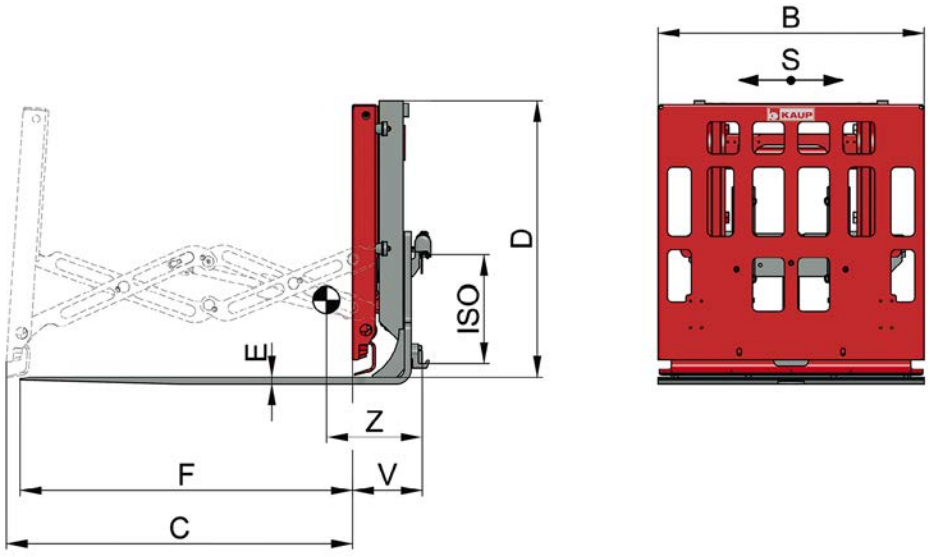
Push-Pull T143SA slip-on-fork version · 1 hydraulic function
Push-Pull with sheet saver T145SA
slip-on-fork version · 1 hydraulic function · and built in solenoid valve with accessory kit

Model	Capacity kg	LCD mm	B mm	C mm	D mm	E mm	F mm	V mm	CofG Z mm	Weight kg
2 T 143 SA	1.700	600	1.000	1.300	1.035	10	1.250	215	275	450
2 T 145 SA	1.700	600	1.000	1.300	1.035	10	1.250	225	265	500



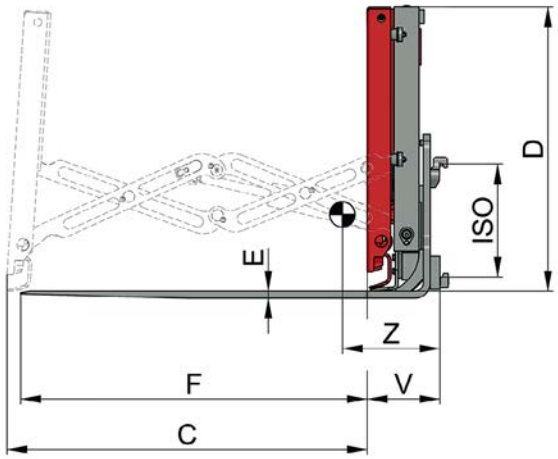
Push-Pull T143S 1 hydraulic function

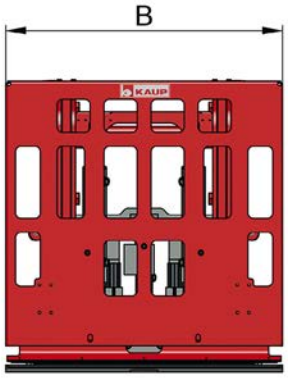
Model	Capacity kg	LCD mm	B mm	C mm	D mm	E mm	F mm	ISO cl.	V mm	CofG Z mm	Weight kg
1 T 143 S	1.000	600	1.000	1.300	1.035	20	1.250	2	250	340	535
2 T 143 S	1.700	600	1.000	1.300	1.035	25	1.250	2/3	255	360	590
3 T 143 S	2.400	600	1.000	1.300	1.035	30	1.250	3	260	370	655



Push-Pull with sideshift T144S 2 hydraulic functions

Model	Capacity kg	LCD mm	B mm	C mm	D mm	E mm	F mm	S mm	ISO cl.	V mm	CofG Z mm	Weight kg
1 T 144 S	1.000	600	1.000	1.300	1.035	20	1.250	± 100	2	257	340	545
2 T 144 S	1.700	600	1.000	1.300	1.035	25	1.250	± 100	2/3	262	360	600
3 T 144 S	2.400	600	1.000	1.300	1.035	30	1.250	± 100	3	267	375	665



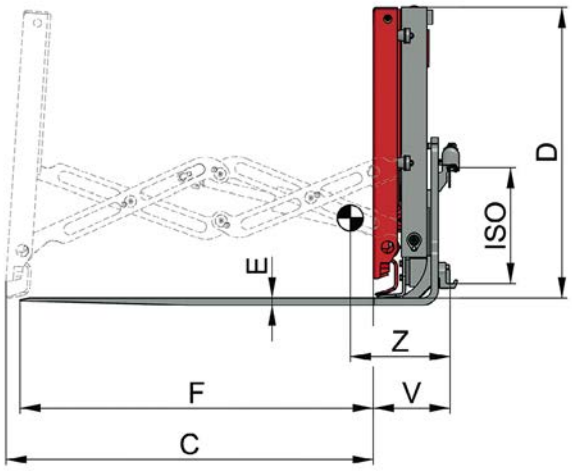


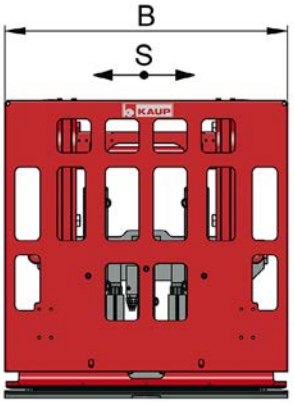
Push-Pull with sheet saver T145S

1 hydraulic function - and built in solenoid valve with accessory kit

Model	Capacity kg	LCD mm	B mm	C mm	D mm	E mm	F mm	ISO cl.	V mm	CofG Z mm	Weight kg
1 T 145 S	1.000	600	1.000	1.300	1.035	20	1.250	2	260	330	575
2 T 145 S	1.700	600	1.000	1.300	1.035	25	1.250	2/3	265	345	635
3 T 145 S	2.400	600	1.000	1.300	1.035	30	1.250	3	270	365	690

Lifting heights of more than 3.750 mm require an electric spring cable drum.





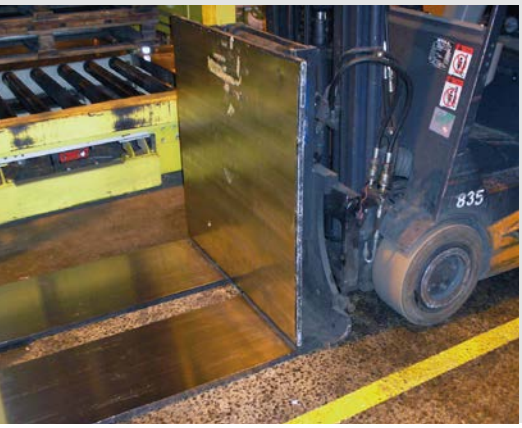
Push-Pull with sideshift and sheet saver T146S

2 hydraulic functions · and built in solenoid valve with accessory kit

Model	Capacity kg	LCD mm	B mm	C mm	D mm	E mm	F mm	S mm	ISO cl.	V mm	CofG Z mm	Weight kg
1 T 146 S	1.000	600	1.000	1.300	1.035	20	1.250	± 100	2	268	320	585
2 T 146 S	1.700	600	1.000	1.300	1.035	25	1.250	± 100	2/3	273	335	645
3 T 146 S	2.400	600	1.000	1.300	1.035	30	1.250	± 100	3	278	345	710

Lifting heights of more than 3.750 mm require an electric spring cable drum.

Pusher T141S



Push-Pull T143S · T143SA



Push-Pull with sheet saver T145S · T145SA



Push-Pull with sideshift and sheet saver T146S



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

KAUP is certified acc. to DIN EN ISO 9001

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