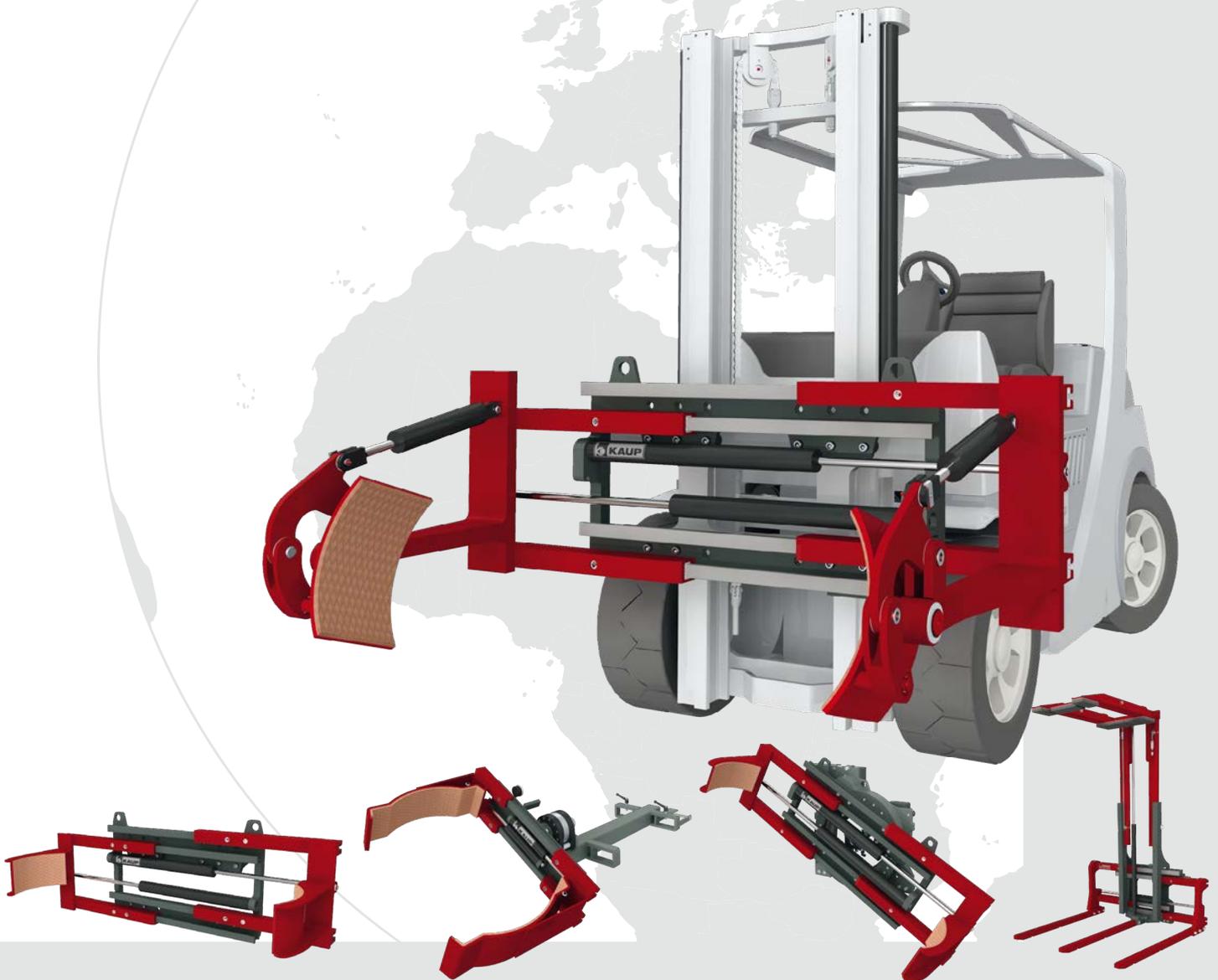




Helping hands for your Forklift truck

Drum Tipping Clamp T406
Drum Clamp T415
Mini Drum Clamp T445
Rotating Drum Clamp T455
Drum Tipping Device T130F



T406 · T415 · T445 · T455 · T130F

Controlled handling of shipping drums by forklift truck requires either the drums to be loaded on special pallets or the truck to be equipped with a drum clamp. Use of clamps that grip the drums is the only safe way of handling these loads under all lift truck operating conditions of accelerating, driving, cornering and braking. Clamps enabling a load of several drums to be handled safely at once contribute greatly to improving productivity. The clamps are of inestimable value in preventing pollution accidents when handling drums containing environmentally hazardous materials.

Applications

KAUP Drum Clamps are suitable to handle non-palletized drums of all types and shapes. The versatile range of models includes clamps to grip, tilt or rotate either single drums or as many as four at a time side by side or in line. Special versions are built for specialized jobs such as handling brewery kegs. KAUP also supplies slip-on drum arms or tipping clamp arms to attach to existing clamp forks.

Design

Arms on all KAUP Drum Clamps and Tipping Drum Clamps are matched to the shape of the drums to be handled. As a rule, the inner surface is coated with rubber. As a precaution against damaging drums by excessive squeezing, a pressure gauge is connected to the clamp and positioned in clear view of the lift truck driver. All drum clamps are fitted with a pressure reducing valve to control closing force at any level between 30 and 150 bar by manual adjustment. Additionally, three different force levels can be preset and selected by solenoid valve.

Features

Strong: KAUP clamp design. The clamp back comprises two T-beams robot-welded to a supporting plate of high-tensile steel. The mating C-sections of the clamp front are very compact in dimensions and weight with an extremely high section modulus resulting in high strength. Integrated slide rails of highly wear-resistant plastic enhance smoothness of movement.

»Excellent« view. Kaup High-Visibility Clamps set new standards as regards clear view for the lift truck driver. Collisions with pedestrians being the most common accidents involving lift trucks, the importance of good view through the clamp cannot be rated too highly.

Simple: handling. KAUP High-Visibility Clamps are standardly equipped with a independent sideshift function. This results in

- Simplified handling for the lift truck driver.
- Sideshift strokes as permitted without restriction under safety regulations
- Utilization of the entire clamp width for shifting loads sideways
- Prevention of unintentional clamp opening due to pressure surges when reaching end position (an accident risk entailed with valve-manifold sideshifts).

Convenient: mounting on lift truck. The guide rail for the side-shifter body locates on the upper fork carrier and locks in the center catch (design to ISO 2328). The attachment is suspended on this guide rail and secured by bolting the bottom mounting hooks to its body. Finally, the hydraulic lines on the attachment and truck are connected. Hydraulic hose lines and couplings are included in KAUP's delivery.

Backrest

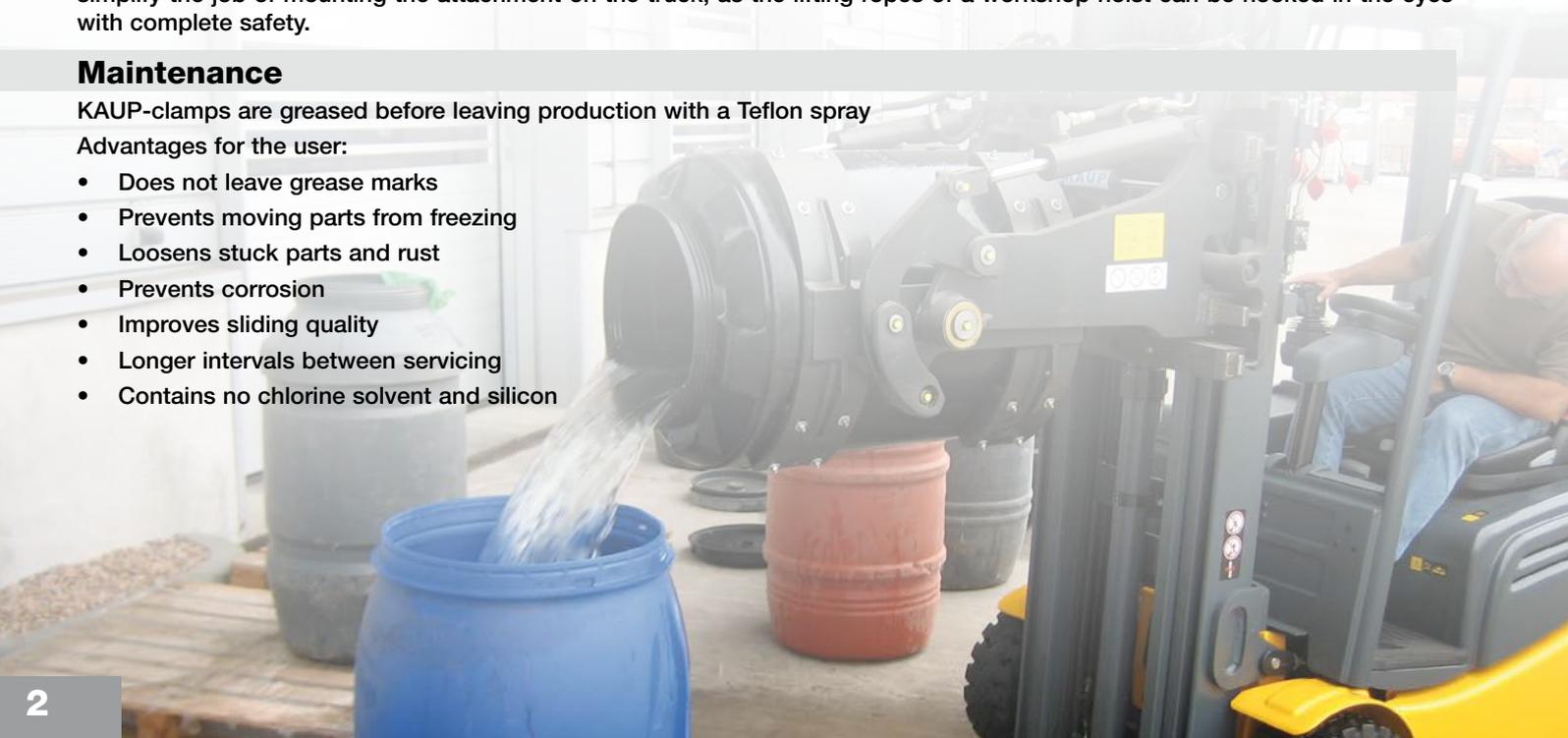
The basic body of KAUP High-Visibility Clamps contains eyes enabling a backrest to be fitted conveniently without needing any drilling or modifications. The mounting accessories (spacers, bolts, ect.) are included in KAUP's supply. Moreover the eyes simplify the job of mounting the attachment on the truck, as the lifting ropes of a workshop hoist can be hooked in the eyes with complete safety.

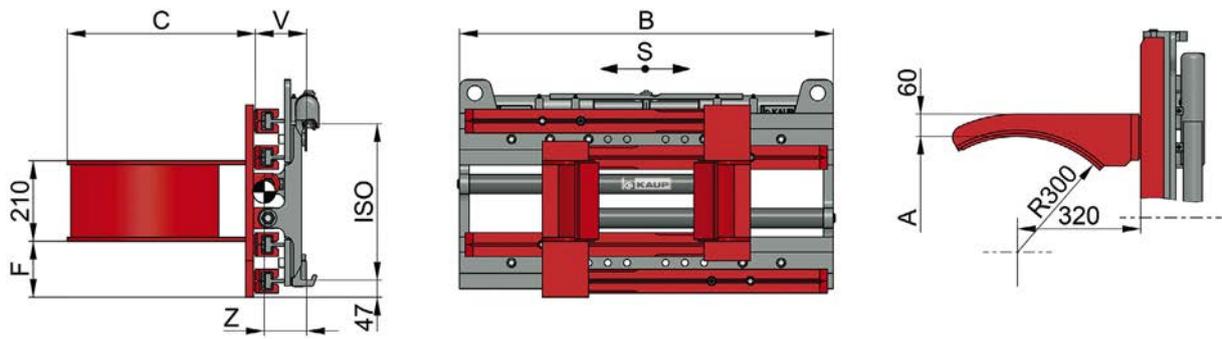
Maintenance

KAUP-clamps are greased before leaving production with a Teflon spray

Advantages for the user:

- Does not leave grease marks
- Prevents moving parts from freezing
- Loosens stuck parts and rust
- Prevents corrosion
- Improves sliding quality
- Longer intervals between servicing
- Contains no chlorine solvent and silicon





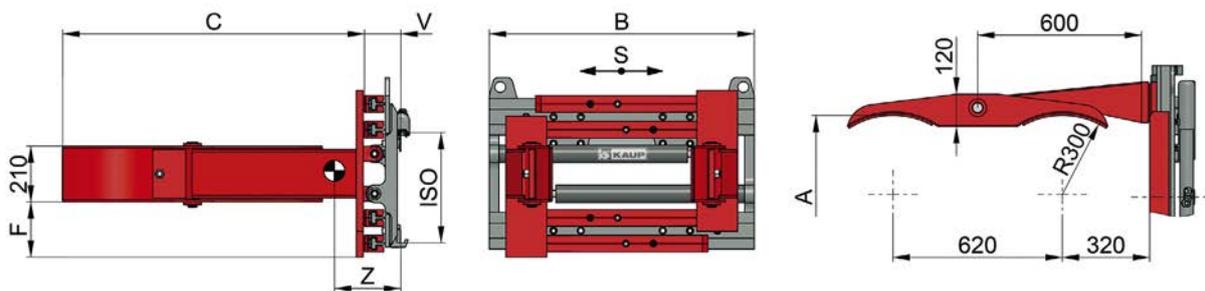
Drum Clamp T415-1 - for cylindrical steel drums

This Drum Clamp can transport 1 or 2 drums palletless and safely. The arms are coated with Remagrip. Fitted with pressure reduction valve and manometer gauge.

Model	Number of drums	Capacity kg	LCD mm	S mm	A mm	B mm	C mm	F mm	ISO cl.	V mm	CofG Z mm	Weight kg
1T 415-1	1-2	700	320	± 100	420-1.600	970	485	146	2	133	113	196
1,5T 415-1	1-2	1.250	320	± 100	440-1.620	970	485	195	2/3	133	108	228

Also available without sideshift, model T405-1.

Available with arms for plastic drums.



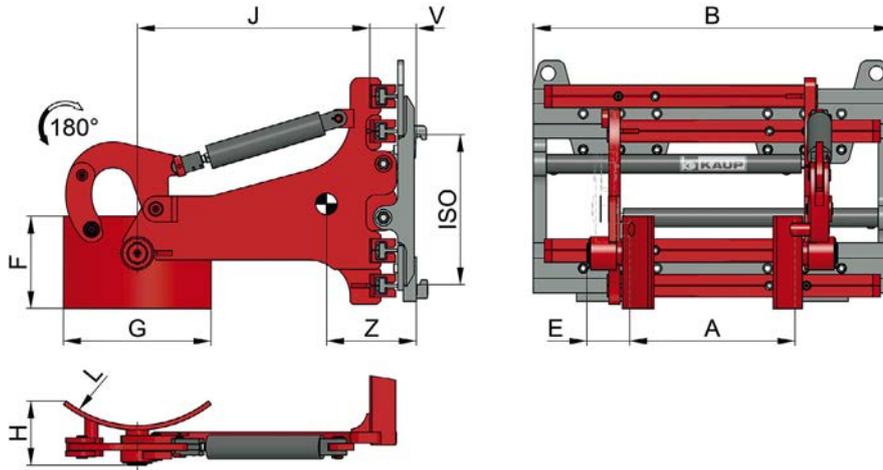
Drum Clamp T415-2 - for cylindrical steel drums

This Drum Clamp can transport 2 or 4 drums palletless and safely. The arms are coated with Remagrip. Fitted with pressure reduction valve and manometer gauge.

Model	Number of drums	Capacity kg	LCD mm	S mm	A mm	B mm	C mm	F mm	ISO cl.	V mm	CofG Z mm	CofG _v Y mm	Weight kg
1,5T 415-2	2-4	1.250	630	± 100	370-1.550	970	1.105	195	2/3	133	255	266	310
2T 415-2	2-4	2.000	630	± 100	370-1.670	1.130	1.105	195	2/3	143	245	264	350

Also available without sideshift, model T405-2.
Available with arms for plastic drums.





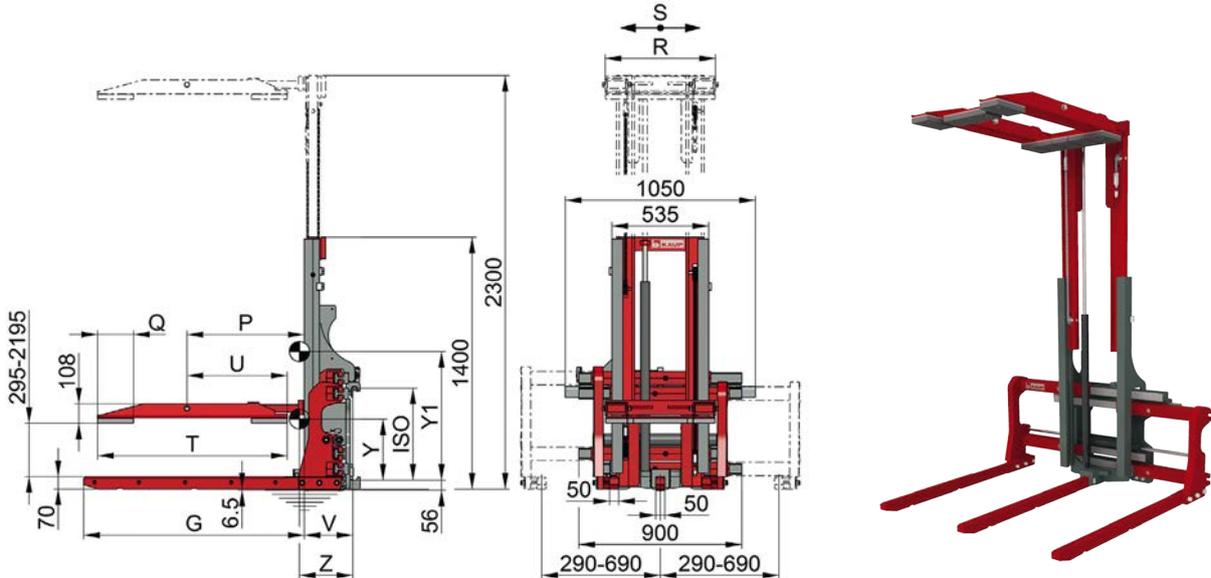
Drum Tipping Clamp T406H/-2H - with hydraulically tiltable clamp arms 180° forward

The Drum Tipping Clamp is used for emptying cylindrical steel drums (with special arms also other containers) by tilting in forward direction. Drums lying in a horizontal position can be picked up with this clamp and put upright. However this is only possible when both arms feature a hydraulic cylinder (-2H). The arms are coated with Remagrip. Drum Tipping arms are also available as slip-on version for KAUP Fork Clamps

Model	Capacity kg	LCD mm	A mm	B mm	E mm	F mm	G mm	J mm	H mm	L mm	ISO cl.	V mm	CofG Z mm	Weight kg
1,5T 406 H	300	630	430 - 1.610	970	113	250	400	630	181	300	2	126	247	290
1,5T 406-2H	300	630	430 - 1.610	970	113	250	400	630	181	300	2	126	268	312
2T 406 H	1.250	630	180 - 1.480	1.130	113	250	400	630	181	300	2	136	217	366
2T 406-2H	1.250	630	180 - 1.480	1.130	113	250	400	630	181	300	2	136	240	386

Single arm drive = H, Dual arm drive = 2H.

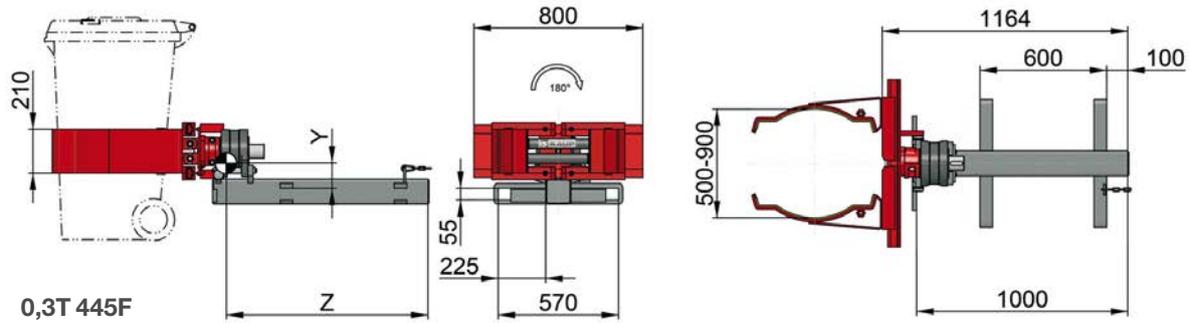
With one tilt cylinder drums can only be handled in vertical position. With two cylinders drums can be handled in vertical or horizontal position. Also available with sideshift function, model T416H (-2H). Tipping Clamps for specific purpose (garbage bins, containers) and higher capacities available upon request. Available with arms for plastic drums.



Beer Keg Clamp T415B - to handle beer kegs

Model	Capacity kg	LCD mm	S mm	G mm	T mm	P mm	R mm	Q mm	U mm	ISO cl.	V mm	CofG Z mm	CofG _v Y mm	CofG _v Y1 mm	Weight kg
2T 415 BTB	1.680	635	±100	1.220	1.050	650	610	200	555	3	270	313	337	761	725
2T 415 BCT	1.680	635	±100	1.350	1.110	650	555	200	555	3	270	321	336	723	720
2T 415 BKN	1.680	635	±100	1.220	985	570	600	300	490	3	270	295	340	716	702

Model without sideshift T405B.

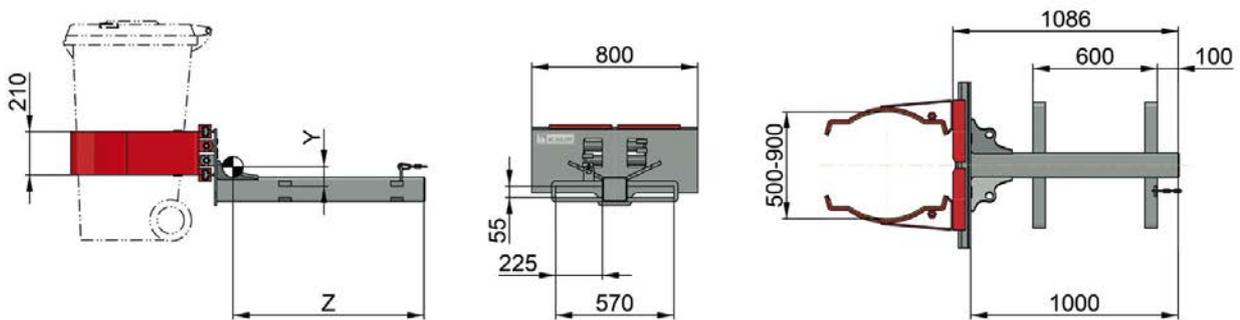


Mini Drum Clamp T445F - slip-on version - for cylindrical steel drums and garbage bins

Quick easy mounting of the Mini Drum Clamp onto the forklift truck is the trade mark of this attachment. It is simply slipped on the forks, tightened, connected hydraulically to the truck and is then operational. As it is easy to mount, it is usually used when drums or garbage bins are transported only occasionally. The clamping arms are designed to fit cylindrical drums and garbage bins with up to 240 l capacity. The arms are coated with Remagrip.

Model	Capacity kg	LCD mm	Opening range mm	Rotation angle °	Md $\Delta p=125\text{bar}$ Nm	CofG Z mm	CofG _v Y mm	Weight kg
0,3T 445F	300	320	520 - 920	180°	1.625	955	121	218
0,8T445F	700	320	530 - 930	360°	2.570	1.010	122	247

Available with arms for plastic drums.

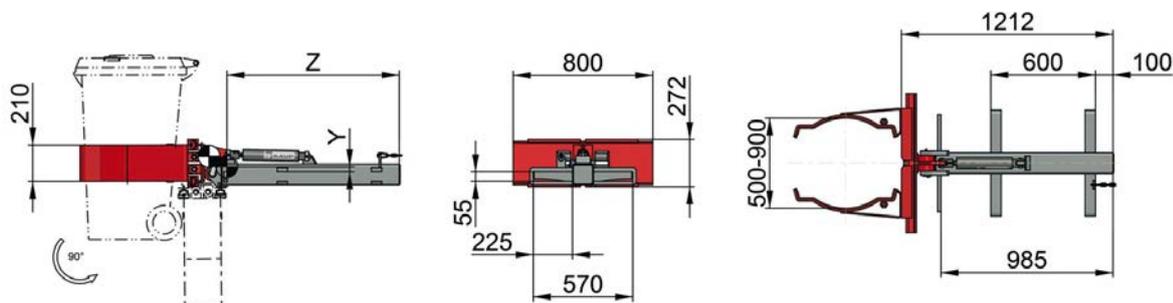


Mini Drum Clamp T405

slip-on version - arms coated with Remagrip - for cylindrical steel drums and garbage bins - without rotation

Model	Capacity kg	LCD mm	Opening range mm	CofG Z mm	CofG _v Y mm	Weight kg
0,3T 405	300	320	520 - 920	921	95	155

Available with arms for plastic drums.

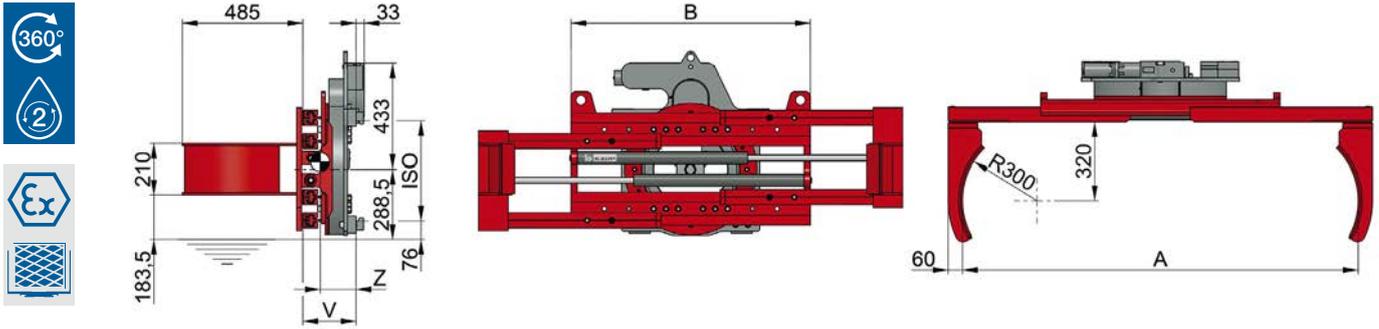


Mini Drum Tipping Clamp T405/130

slip-on version - arms coated with Remagrip - for cylindrical steel drums - without rotation

Model	Capacity kg	LCD mm	Opening range mm	Tipping-angle °	CofG Z mm	CofG _v Y mm	Weight kg
0,3T 405/130	300	320	520 - 920	90°	987	30	181

Available with arms for plastic drums.



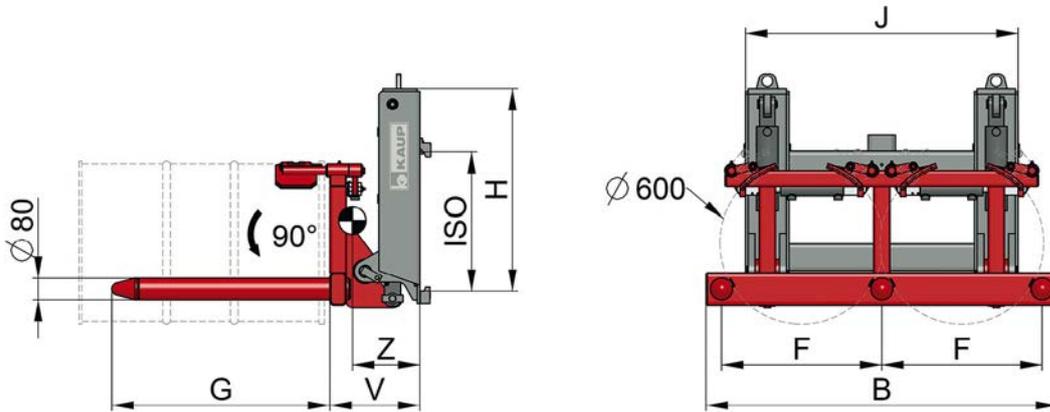
Rotating Drum Clamp T455-1

360° rotation continuous - to transport cylindrical steel drums - arms covered with Remagrip

Model	Capacity kg	LCD mm	A mm	B mm	Torque $\Delta p=125$ bar Nm	ISO class	V mm	CofG Z mm	Weight kg
1T 455-1	700	320	420-1.600	970	6.013	2	216	146	305

Available with sideshift model T495-1.





Drum Tipping Device T130F - rubber coated flaps - for cylindrical steel drums

Model	Number of drums	Capacity kg	LCD mm	B mm	F mm	G mm	H mm	J mm	ISO cl.	V mm	CofG Z mm	Weight kg
1T 130 F-1	1	300	450	970	588	800	930	390	2	380	282	230
1T 130 F-2	2	600	450	1.130	588	800	800	1.000	2	330	247	280
1T 130 F-3	3	900	450	1.920	588	800	800	1.000	2	330	340	350
1T 130 F-4	4	1.200	450	2.520	588	800	800	1.000	2	330	380	430

For an optimal handling with the attachment we recommend a fork lift truck equipped with independent sideshift (integrated or hook-on). In this case a third hydraulic function on your FLT will be necessary or an additional solenoid valve.



Mini Drum Clamp T405 · T405/130 · T445F



Beer Keg Clamp T415



Drum Tipping Clamp T406 · T406-H · T406-2H



Drum Clamp T415 · Rotating Drum Clamp T455



Tilting Drum Clamp T405-130



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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