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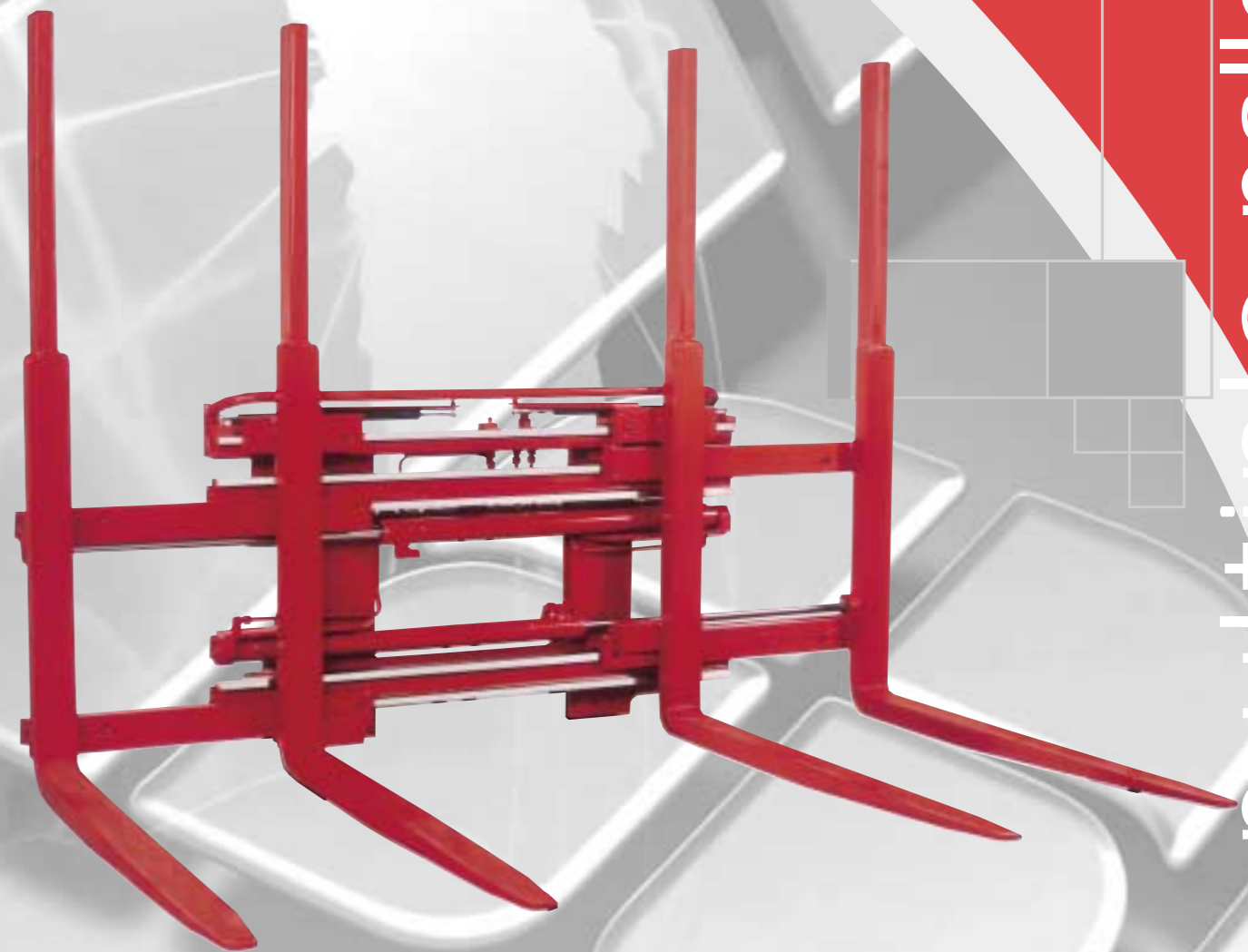
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multiple pallet handler

multiple pallet handler

The Bolzoni Auramo multiple pallet handlers can dramatically reduce handling time, with an important cost reduction during storage or loading and unloading of vehicles. Thanks to its high performance, this attachment has already achieved great success in breweries and in the mineral water and soft drink industries.

Generally, the multiple pallet handlers are widely used in all sectors characterised by heavy handling of palletised products.

The Bolzoni Auramo range includes models for the handling of 1-2 or 1-2-3 pallets, in order to satisfy all the requirements of the industry.

MAIN ADVANTAGES

- The clamp body is the same as in the parallel clamp, incorporating the entire standard features and the same incomparable reliability and strength as in the Bolzoni Auramo parallel clamps.
- Thanks to the high quality extruded profiles designed by Bolzoni Auramo, the weight, thickness and centre of gravity values are greatly reduced.
- Optimum visibility is also obtained by the double T profile, allowing a compact sliding structure.
- The central visibility is further increased, due to the outer fork hydraulic cylinders which, being connected in parallel, have reduced diameters.
- The synchronised movement is obtained by a flow divider, which is fitted as standard.
- The inner forks slide on a third upper guide and their motion is obtained through gas cylinders having a reduced diameter, with increased upper visibility.
- The gas cylinders are protected from incidental shocks.

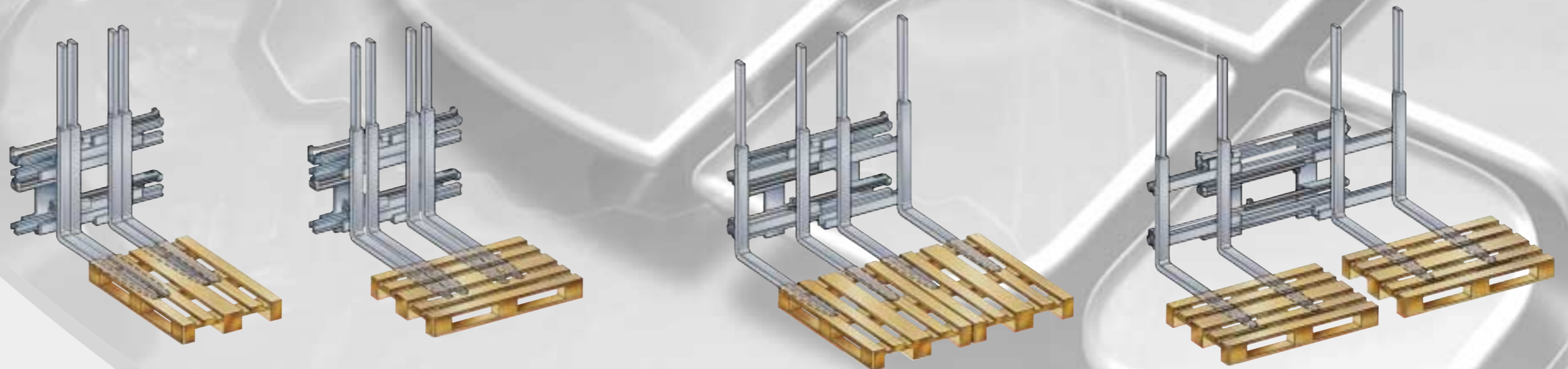
- The sliding pads are fitted inside the mobile frame, protected from any external contamination or possible damage.
- The inner forks slide on self-lubricating pads, both on the upper and lower part.
- The bolt-on forks assure an easy replacement in case of wear.

The adoption of the gas cylinder provides more functional advantages:

- the clamp action requires only one additional feeding group
- the inner fork positioning, in relation to the outer forks is achievable in any position without having to follow a fixed sequence. This feature is most useful when handling a variety of pallets in all configurations
- the attachment allows the pallets to be brought together, even when they are not perfectly positioned side by side
- an interesting option for this clamp is the fitting of a semi-integral side shift, which allows easier entry of the forks even if the pallets are misaligned. This side shift has extremely reduced thickness and centre of gravity compared to the standard hook-on type
- the upper sliding pads are in self-lubricating nylon, while the lower ones are in bronze
- the clamp body is pre-drilled for the fitting of the semi-integral side shift
- this attachment often handles high loads; therefore each fork has one protection backrest, with tubular profiles directly welded to the forks.



Double pallet handler



double pallet handler

The 1 or 2 pallet handler allows handling time reduction of 50% in comparison with a standard forklift truck. When operating, the inner and outer forks slide together until an outer distance of 570 mm (Europallet): this is possible because the gas cylinder force is higher than the inner forks friction force.

Successively the two pairs of forks begin to space out for the handling of two pallets.

Pallets of width between 800 and 1200 mm can be handled and brought together even when spaced.

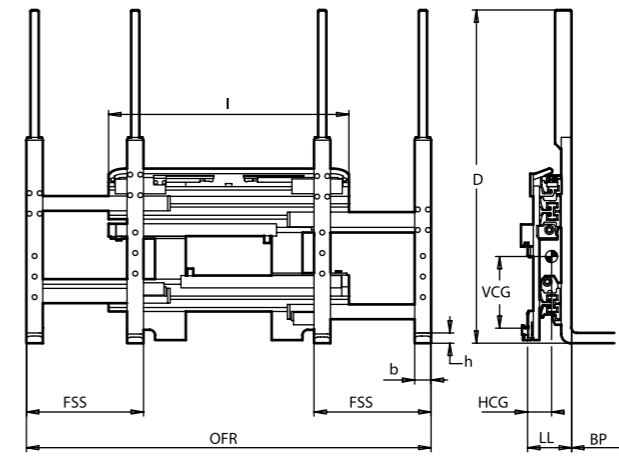
The unit is also available as kit to be fitted, even in a second time (retrofitting) on forklifts fitted with a Bolzoni Auramo integral sideshift, factory mounted by the OEM.

Integral Single/Double Pallet Handlers Models IKS

Bolzoni Auramo integral single/double pallet handlers are delivered as kit units, which can be fitted on a standard Bolzoni Auramo integral sideshifter.

The double pallet handler is completely integrated into the sideshifter's mobile frame, which makes the assembly fast and easy.

When compared to normal hook mounted single/double pallet handlers, an integrated attachment saves weight and effective thickness and provides better visibility to the lift truck driver.



- Single/double pallet handler for handling one or two pallets.
- These models offer the possibility to lift pallets on both sides, either singly or two at a time.
- Excellent visibility through the body.
- Separate sideshift provides constant sideshift range regardless of the fork opening (Model KS).
- Synchronized fork movement with flow divider valve.
- Gas-spring operated inner fork positioning.
- Incorporated load backrests.
- Self-lubricating polyamide sideshift bearing pads.
- Bolt-on forks with specially reinforced heel area.

Model	Capacity	Load Centre	Fork Set Spread	Outer Fork Range	Fork Dimensions	Frame Width	Minimum Carriage Width	Height	Weight	Centre of Gravity Horizontal	Centre of Gravity Vertical	Effective Thickness	Mounting Class
	<i>Q</i> kg	<i>BP</i> mm	<i>FSS</i> mm	<i>OFR</i> mm	<i>Lxbxh</i> mm	<i>I</i> mm	<i>FL</i> mm	<i>D</i> mm	<i>W</i> kg	<i>HCG</i> mm	<i>VCG</i> mm	<i>LL</i> mm	<i>ISO 2328</i>
Non-sideshifting													
KA18FKA	1800	600	570	570 - 1970	1150x80x50	1170	800	1470	510	248	335	204	2 A
KA22FKA	2200	600	570	570 - 1970	1150x80x50	1170	800	1470	520	248	335	204	2 A
KA25FKB	2500	600	570	570 - 1970	1150x80x50	1170	1000	1620	530	248	358	206	3 A
KA28FKB	2800	600	570	570 - 1970	1150x80x50	1170	1000	1620	560	243	400	209	3 A
KA35FKB	3500	600	570	570 - 1970	1150x80x60	1170	1000	1620	570	246	406	211	3 A
Sideshifting													
KS18FKA	1800	600	570	570 - 1970	1150x80x50	1170	800	1470	550	253	340	233	2 A
KS22FKA	2200	600	570	570 - 1970	1150x80x50	1170	800	470	560	253	340	233	2 A
KS25FKB	2500	600	570	570 - 1970	1150x80x50	1170	1000	1620	570	256	363	235	3 A
KS28FKB	2800	600	570	570 - 1970	1150x80x50	1170	1000	1620	625	246	409	244	3 A
KS35FKB	3500	600	570	570 - 1970	1150x80x60	1170	1000	1620	635	249	415	246	3 A



Single pallet handling



Double pallet handling

triple pallet handler



The triple pallet handler, that handles 1, 2 or 3 pallets at a time can reduce the handling cycle up to 1/3 of the times necessary by using a conventional truck.

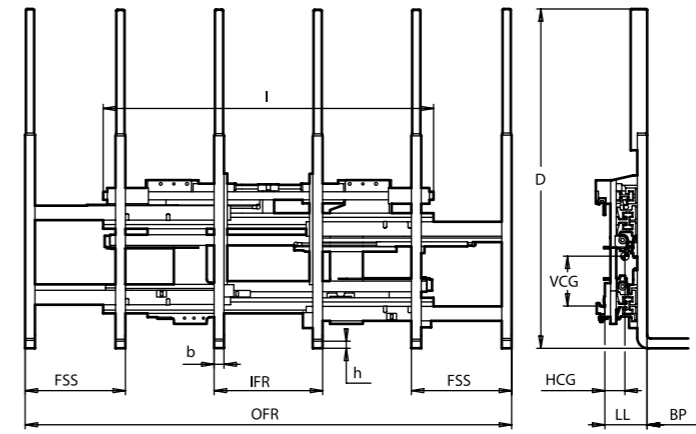
The unit is mainly used in the beverage industry for warehousing and loading-unloading operations.

The motion sequence of the forks is operated as follows:

- inner forks: by sequence cylinders, to keep them in contact with the intermediate forks for the handling of two pallets
- intermediate forks: by gas cylinders with reduced diameter
- outer forks: by hydraulic cylinders with flow divider, to ensure synchronized movement.

The standard models are designed for the handling of pallets 1200 mm deep and 800 or 1000 mm wide.

When handling three pallets, it is possible to bring them together. A special circuit to bring two split pallets together is available as option.



- Triple pallet handler for handling one, two or three pallets.
- Excellent visibility through the body.
- Separate sideshift provides constant sideshift range regardless of the fork opening (Model KS).
- Equal outer fork movement with built-in flow divider valve.
- Gas-spring operated inner fork positioning.
- Incorporated load backrests.
- Self-lubricating sideshift bearing pads.
- Bolt-on forks with specially reinforced heel area.

Model	Capacity	Load Centre	Fork Set Spread	Outer Fork Range	Inner Fork Range	Fork Dimensions	Frame Width	Minimum Carriage Width	Height	Weight	Centre of Gravity Horizontal	Centre of Gravity Vertical	Effective Thickness	Mounting Class
	<i>Q</i> kg	<i>BP</i> mm	<i>FSS</i> mm	<i>OFR</i> mm	<i>IFR</i> mm	<i>Lxbxh</i> mm	<i>I</i> mm	<i>FL</i> mm	<i>D</i> mm	<i>W</i> kg	<i>HCG</i> mm	<i>VCG</i> mm	<i>LL</i> mm	<i>ISO</i> 2328
Non-sideshifting														
KA35FTB	3500	600	560	560-2460	560	1150x50x50	1710	200	1400	666	203	406	218	3 A
KA35FNB	3500	600	610	660-2960	660	1150x50x50	2010	1200	1400	698	197	406	218	3 A
KA35FTC	3500	600	560	560-2460	560	1150x50x50	1710	1200	1400	754	212	435	253	4 A
KA35FNC	3500	600	610	660-2960	660	1150x50x50	2010	1200	1400	786	208	435	253	4 A
KA50FTC	5000	600	560	560-2460	560	1150x60x60	1710	300	1400	984	215	400	251	4 A
KA50FNC	5000	600	610	560-2460	660	1150x60x60	2010	1400	1400	1038	208	400	251	4 A
Sideshifting														
KS35FTB	3500	600	560	560-2460	560	1150x50x50	1710	1400	1400	742	213	406	253	3 A
KS35FNB	3500	600	610	660-2960	660	1150x50x50	2010	1400	1400	774	209	406	253	3 A
KS35FTC	3500	600	560	560-2460	560	1150x50x50	1710	1400	1400	864	219	435	295	4 A
KS35FNC	3500	600	610	660-2960	660	1150x50x50	2010	1400	1400	896	217	435	295	4 A
KS50FTC	5000	600	560	560-2460	560	1150x60x60	1710	1500	1400	1094	231	400	293	4 A
KS50FNC	5000	600	610	660-2960	680	1150x60x60	2010	1500	1400	1150	225	400	293	4 A

Models K...FT are designed for 800x1200 mm pallet size.
Models K...FN are designed for 1000x1200 mm pallet size.
 Standard delivery includes a hydraulic circuit to bring closer three flanked pallets.



Single pallet handling



Double pallet handling



Triple pallet handling