

PUSH-PULL Attachment "Carriage Mounted"

The MSE-FORKS push-pull attachment, model SM, provides the ideal solution for applications which require a lift truck for exclusive pallet-less handling operations.

Carriage Mounted connection

This type of push/pull attachment mounts directly onto the forklift carriage. The system is most appropriate in applications where all goods are loaded onto slip sheets as opposed to pallets. In these situations it is far more cost effective to dedicate a forklift equipped with a carriage mounted push-pull attachment for full time loading and/or unloading of containers or trailers. In applications requiring less frequent use, the option of a fork-mounted unit, model SQ, is available.



General features

- Only one hydraulic function required
- One solid supporting plate for excellent stability
- Bolt-on lower hooks
- Precision laser cut components reduce overall weight
- Tilting faceplate (4 degrees) compensates for chamfered platen forks
- Galvanized and powder coated components
- Ideal for handling double-stacked loads or removing slipsheeted goods from pallets
- Synthetic moving parts replace the need for rollers providing greater durability and lower life cycle cost

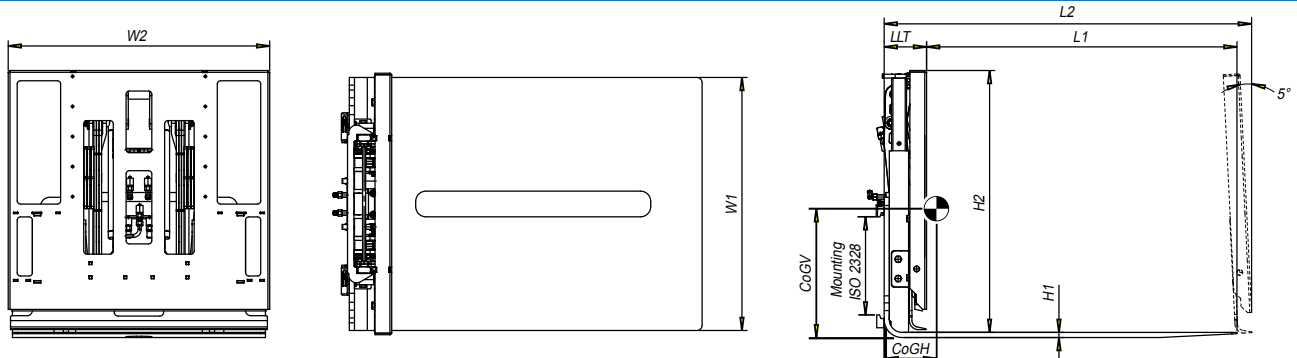


Options

- Various lengths and sizes available
- Quick couplers
- Quick change mounting hooks
- Height adjustable face plate



PUSH-PULL Attachment "Carriage Mounted"



Model	Capacity on LC 600 mm (kg)	W1 (mm)	W2 (mm)	LLT (mm)	L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)	CoGh (mm)	ISO FEM	Mass (kg)
PP-SM16-12P-10	1600	985	1018	170	1200	1380	20	1020	305	II	470
PP-SM20-12P-10	2000	985	1018	170	1200	1380	20	1020	305	II	470

Recommendations:

Hydraulic flow: 10 l/min
Minimum pressure: 160 bar

Load push attachments

A Load Push Attachment is a heavy-duty variation of the standard unit and is primarily designed for use in combination with a stationary pallet inverter or pallet changer. It is used to push unit loads without pallets or slipsheets into containers or trailers instead of bulk loading by



hand, saving a tremendous amount of time and labor expense. The Load Pusher is designed for heavy use under harsh conditions. Nonslipsheeted goods can be pushed into position with considerable force against other loads in order to create straight positioning and optimize space inside sea containers.

ISO 9001-2008

Model for quality assurance in design/development, production, installation and servicing.

ISO 4406

Hydraulic fluid power - Fluids Method for coding level of contaminations by solid particles.

ISO 3834-2

Quality requirements for welding. Fusion welding of metallic materials.

CE

European Machinery Directives 2006/42/EC

PUSH-PULL Attachment "Fork Mounted"

The MSE-FORKS push-pull attachment, model SQ, provides the ideal solution for applications which require a quick conversion from a standard lift truck to a pallet-less handling truck for goods on slip-sheets.

Fork Mounted connection

The push-pull can be connected to the lift truck very quickly as the operator simply drives the standard lift truck forks into fork pockets located underneath the wide platen forks of the push-pull. A simple locking device secures the unit to the forklift and a few short turns of the adjusting bolts eliminate any play and ensure a solid and secure fit to the truck. After connecting the hydraulic hoses, the unit is ready for use providing value added versatility within minutes.



General features

- Only one hydraulic function required
- Quick change connection – drive-in/out with standard forks
- Precision laser cut components reduce overall weight
- Tilting faceplate (4 degrees) compensates for chamfered platen forks
- Galvanized and powder coated components
- The complete unit can be fixated on the lift truck without backlash
- Ideal for handling double-stacked loads or removing slipsheeted goods from pallets
- Synthetic moving parts replace the need for rollers providing greater durability and lower life cycle cost

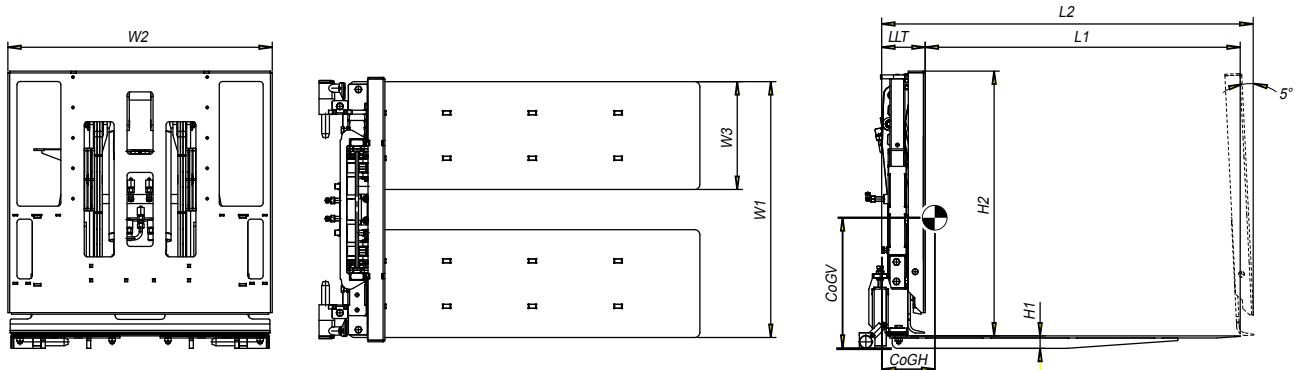


Options

- Various lengths and sizes available
- Quick couplers
- Height adjustable face plate



PUSH-PULL Attachment "Fork Mounted"



Model	Capacity on LC 600 mm (kg)	W1 (mm)	W2 (mm)	W3 (mm)	LLT (mm)	L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)	CoGh (mm)	ISO/ FEM	Mass (kg)
PP-SQ16-12P-10	1600	985	1018	415	167	1200	1380	8	1020	140	Q	350
PP-SQ20-12P-10	2000	985	1018	415	167	1200	1380	10	1020	165	Q	362

Recommendations:

Hydraulic flow: 10 l/min

Recommended pressure: 160 bar

The supporting lift truck forks should be 250 mm shorter than the length (L1) of the platen forks and should have a tapered profile on the bottom. The thickness of the forks should not exceed a thickness of 45 mm.

Load push attachments

A Load Push Attachment is a heavy-duty variation of the standard unit and is primarily designed for use in combination with a stationary pallet inverter or pallet changer. It is used to push unit loads without pallets or slipsheets into containers or trailers instead of bulk loading by hand, saving a tremendous amount of time and labor expense. The Load Pusher is designed for heavy use under harsh conditions. Non-slipsheeted goods can be pushed into position with considerable force



against other loads in order to create straight positioning and optimize space inside sea containers.

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