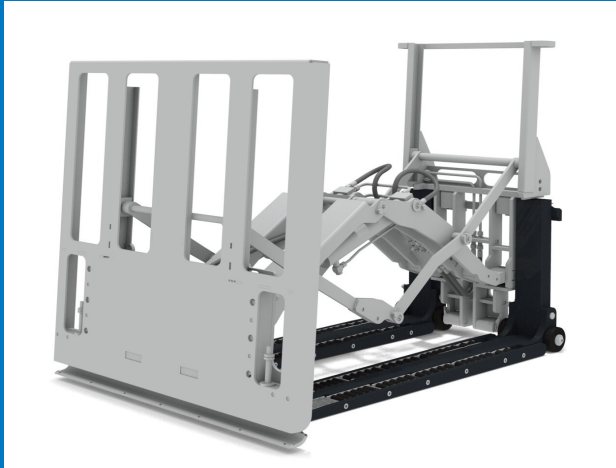


This patented lift truck attachment combines the cost-savings benefits of RollerForks® along with improved push-pull technology creating a revolutionary pallet-less handling solution. The RollerForks® Push-Pull integrates the unified slipsheet gripper and redesigned faceplate with heavy duty RollerForks® instead of platens. RollerForks® make handling pallets as well as pallet-less unit loads easier and safer than traditional push-pull attachments. The added value of speed and versatility reduces cost of operation.



### ROLLERFORKS® PUSH-PULL features

- quick handling of multiple stacked slipsheet loads.
- Manually adjustable fork spread accomodates various load widths
- Versatility for use with pallets
- Options for coldstore applications
- Only one hydraulic function required

### ROLLERFORKS® PUSH-PULL BENEFITS:

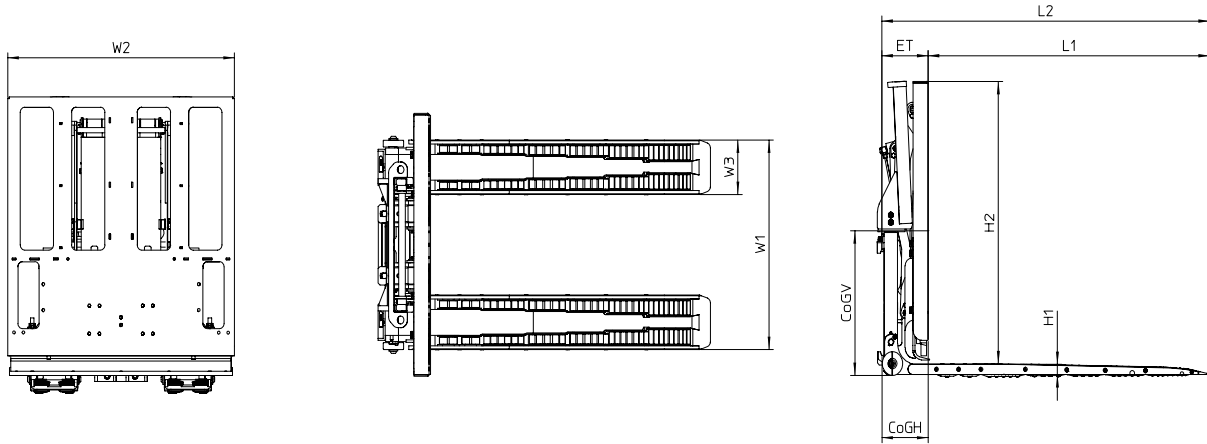
- More efficient than standard Push/Pull. With standard Push/Pull, when the faceplate moves forwards the lift truck needs to drive backwards. The RollerForks® Push-Pull only needs to drive away from underneath the slipsheet to deposit palletless loads onto the floor or a pallet.
- Less maintenance and repair. RollerForks® are more robust than flat platens and withstand heavy duty use better. The design eliminates the need for welding new platen tips.
- RollerForks® Push-Pull simplifies pallet handling and eliminates the need for a dedicated slip sheet truck.



### Saving Time and Money!

Using the unique ROLLERFORKS® PUSH-PULL combo, it is now possible to load and unload containers and trailers faster than ever before. ROLLERFORKS® quickly and easily loads stacked directly on the floor and smoothly transfer pallets. Even loads that are not aligned with the slipsheet tab can be easily lifted and palletized reducing additional labor cost. Less energy is consumed contributing to a greener operation and reducing fuel costs. The Push-Pull mechanism can assist seperating double stacked and speed up de-palletizing loads.

## ROLLERFORKS® PUSH-PULL



### ROLLERFORKS® Push/Pull, one hydraulic function needed

Model	Capacity on LC 600 mm (kg)	W1 (mm)	W2 (mm)	W3 (mm)	ET (mm)	L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)	CoGH (mm)	CoGV (mm)	ISO/ FEM	Weight (kg)	
PP-M07-12R-10D1	665	791	1018	190	208	1200	1410	48	1055		246	334	FEM2A	398
PP-M10-12R-10D1	1000	757		160		1200	1410				234	337		395
PP-M17-12R-10D1	1600	811		210		1200	1410				252	317		440
PP-M20-12R-10D1	2000	911		310		1200	1410				301	271		522
PP-M17-12R-10D1-REF	1600	871		270		1200	1410				268	308		447

#### Optional:

- Quick change lower mounting hooks.

#### Remark:

- W1 is depending on fork carriage width.
- Recommended operating pressure at least 160 bar and recommended flow 10 l/min.

#### 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