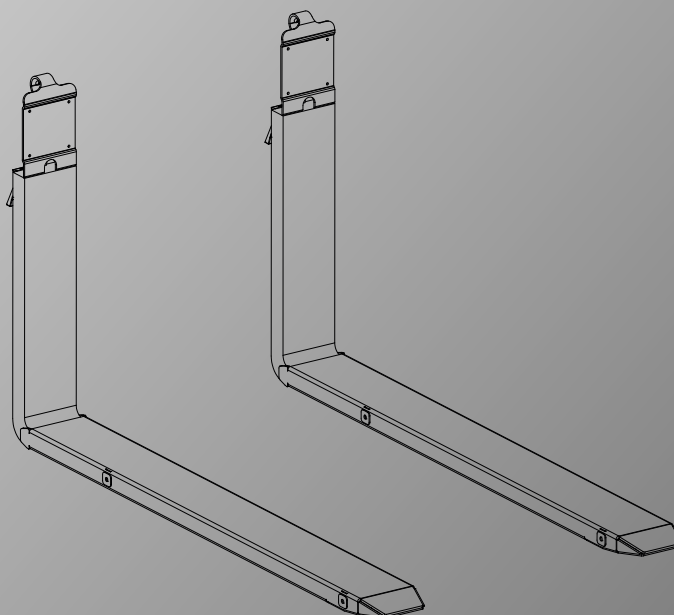


Instruction and parts manual **MEIJER** HANDLING SOLUTIONS

MME



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Definitions



Warning:

Text blocks marked by a “Warning” icon (as shown on the left) and starting with the text “**Warning:**” provide information on actions which may result in (serious) personal injury.



Caution:

Text blocks marked by a “Caution” icon (as shown on the left) and starting with the text “**Caution:**” provide information on actions which may result in damage to the Manual Extension Forks, parts of the Manual Extension Forks or goods.

Note

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Quality Standards, Norms and Directives

Meijer Handling Solutions B.V. complies with the following quality standards: ISO 9001

Manual Extension Forks comply with the following norms/directives:

- ISO 13284 - Fork-arm extensions and telescopic fork arms.
- ISO 2328 - Fork-lift trucks - Hook-on type fork arms and fork arm carriages.
- CE (2006/42/EC) – Machinery Directive.
- ISO-FDIS-ISO 3834-2 - Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements.

The Manual Extension Forks are randomly subjected to dynamic testing in accordance with ISO 2330.

Safety



Warning:

The operator should be trained and familiarized with the local regulations for operating a forklift truck.



Warning:

Do not ride on the Manual Extension Forks or on the load.



Warning:

Do not walk or stand under the Manual Extension Forks.



Warning:

Do not load the Manual Extension Forks beyond the limits of the lifting capacities and load centre stipulated by the manufacturer.



Warning:

Do not weld anything onto the Manual Extension Forks without the express permission of the supplier. Welding carried out without permission shall void any warranty.



Warning:

Do not use faulty Manual Extension Forks before they have been either professionally repaired or replaced.



Warning:

Do not use the Manual Extension Forks in areas where the temperature is below -30°C (-22°F) unless otherwise agreed with the manufacturer.



Caution:

When leaving the forklift truck, the engine must be switched off and the handbrake applied.



Caution:

Bear in mind the space above and below the Manual Extension Forks.



Caution:

The load on the Manual Extension Forks must be distributed as evenly as possible.



Caution:

Retract the Manual Extension Forks as soon as possible.



Caution:

If possible, retract the Manual Extension Forks before driving.



Caution:

Always drive with the Manual Extension Forks in the lowest possible position.




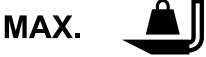
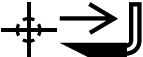











Caution:

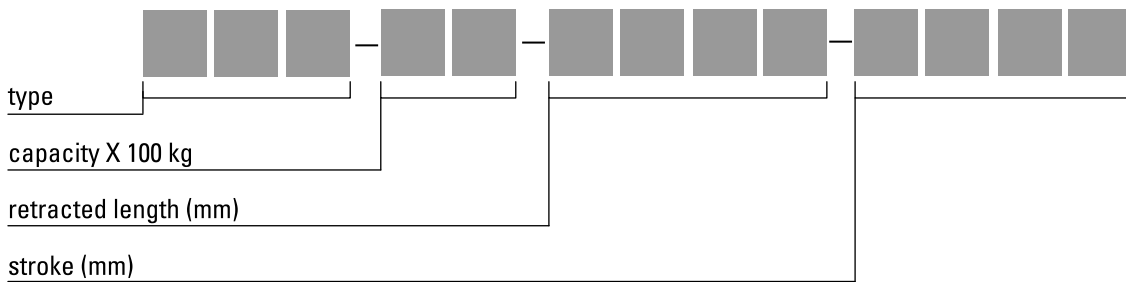
Move hands out of the outer sleeves after disengaging locking pin and before sliding outer sleeve inwards.

Identification

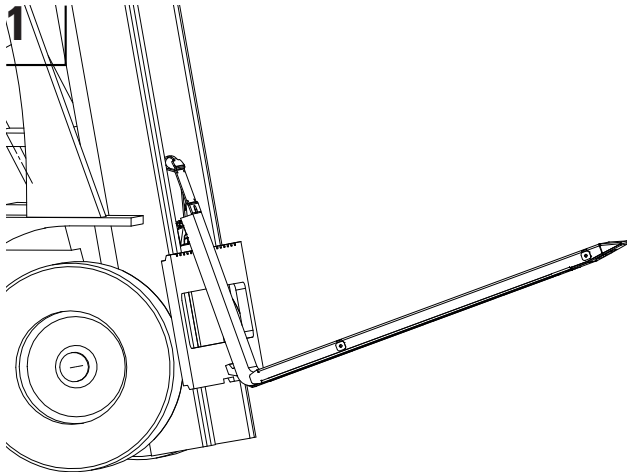
Type plate legend:

	Type description		Weight
	Serial number		Max. capacity on retracted load center
	Retracted center of gravity		Max. capacity on extended load center
	Extended center of gravity		Production year
	At load center		Extra information
	Lost Load Thickness	<p>WARNING: Never exceed the maximum truck capacity as seen on the truck type plate. Rated capacity of both truck and attachment is the responsibility of the original truck manufacturer and may be less than the capacity shown on the attachments type plate.</p>	
  + 			

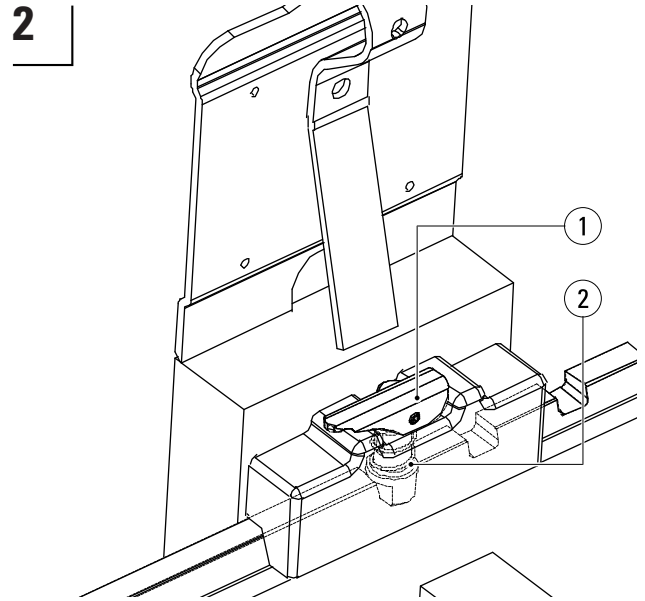
Structure of Manual Extension Forks type description



Assembly

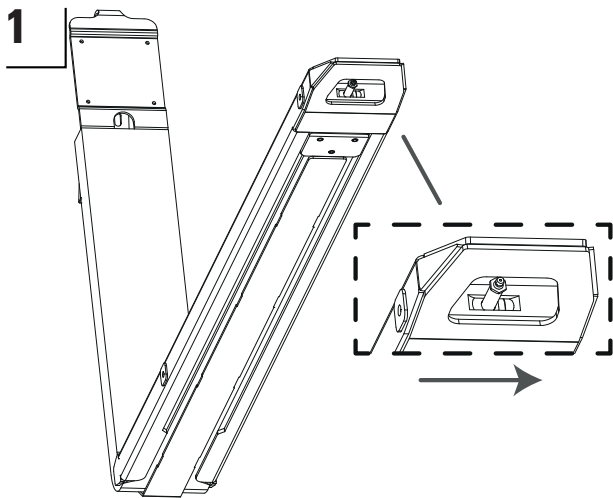


Slide the Manual Extension Forks onto the carriage plate.

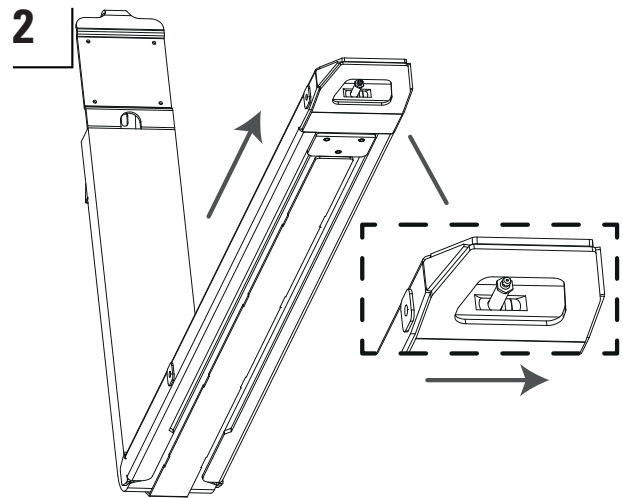


Make sure that locking pin (2) of each Manual Extension Fork drops into one of the notches on the carriage plate. Use catch (1) before operating.

Extending

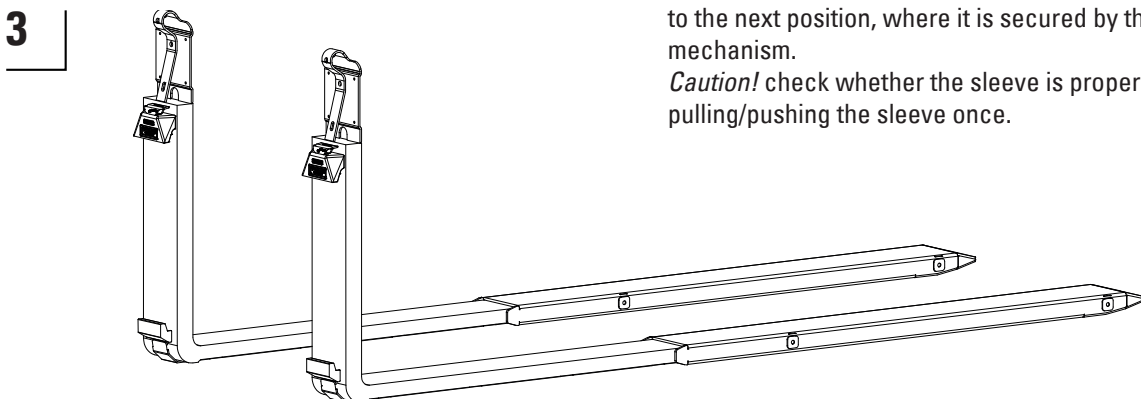


Unlock the fork by moving the catch to the right.



Keep the catch in the right position and pull the fork out a few centimetres. Let go of the catch and pull the sleeve to the next position, where it is secured by the spring mechanism.

Caution! check whether the sleeve is properly secured by pulling/pushing the sleeve once.







Working with Manual Extension Forks

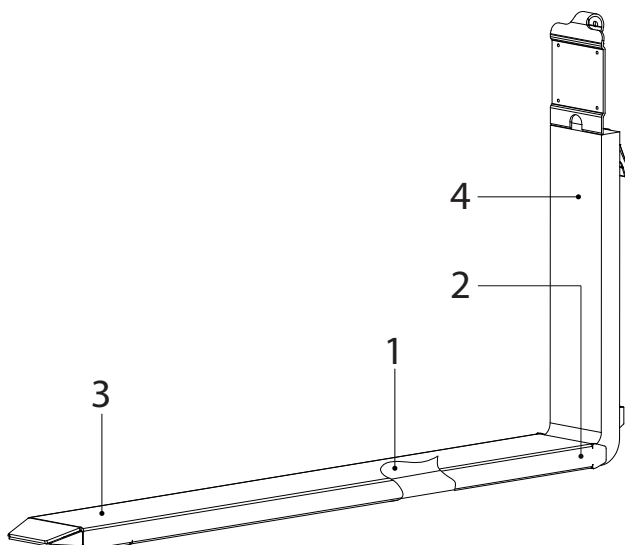
To minimise wear, avoid as much as possible allowing the Manual Extension Forks to come into contact with the ground during operation. In order to reduce wear:

- The chains in the mast of the forklift truck can be shortened so that the Manual Extension Forks cannot reach the ground.

Maintenance Schedule

N°	Description	Weekly	Monthly	6 months or every 1000 hours	Annually or every 2000 hours
1.	Grease the underside and topside of the inner fork				
2.	Check sleeve for signs of wear, especially the heel side*				
3.	Check for and remove any dirt in the sleeve				
4.	Check inner forks in accordance with ISO 5057* standards				

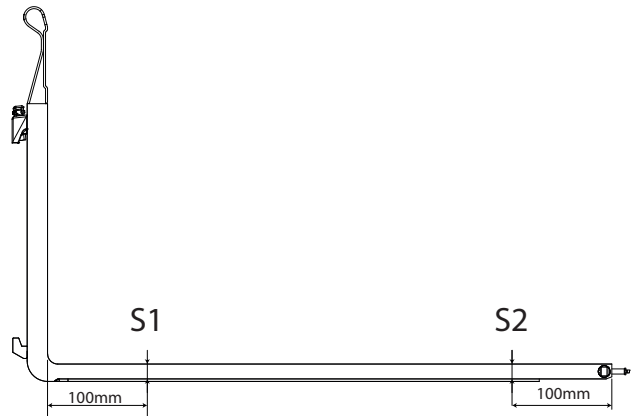
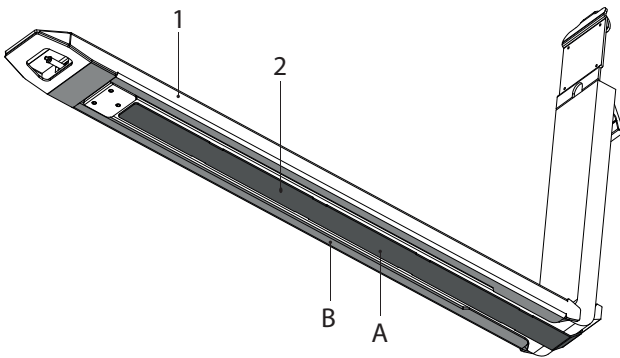
*See chapter on 'Wear'.



Notes on 'Maintenance Schedule'

- Recommended lubricating grease: Novatex EP2 (point 1).
- If defects are detected, first solve the problem/replace parts before proceeding to work with the Manual Extension Forks.
- See chapter on 'Instructions for Replacement of Sleeve' for further explanation about replacing the sleeve.

Wear



When surface A (dark grey) is worn to the extent that it is level with or below surface B (light grey), then the wear plate (2) must be replaced. If there are signs of wear on the lower side of the sleeve (2) then it must also be replaced. See point 4 of the Maintenance Schedule.

The inner fork is declared unfit for use and must be replaced when S1 is 5% thinner than S2. See point 4 of the Maintenance Schedule.

Wear Plate Welding Data:

- Process: MAG (135), 210A, 28 VDC
- Weld type: fillet weld a4, 1 layer
- Cleaning: brush
- Wire: 1 mm, EN 12534 / Mn3Ni1CrMo
- Shielding gas: 80% Ar / 20% CO₂, 15-16 L/min
- Weld in wear plate notches

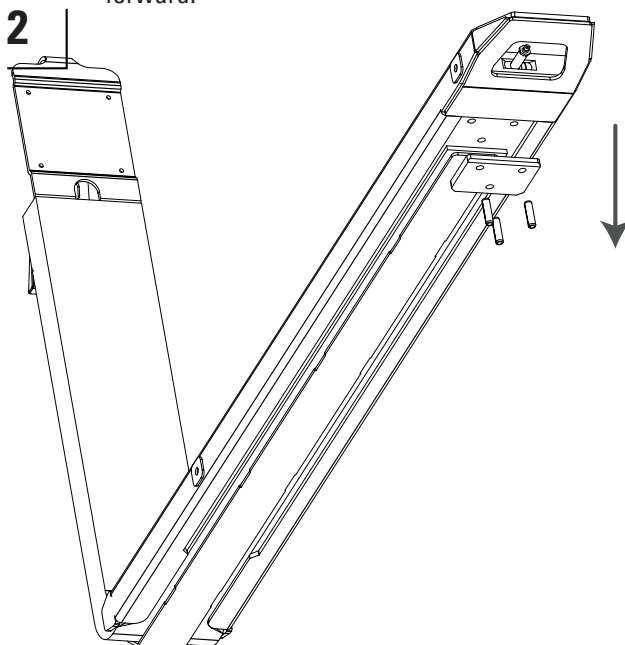


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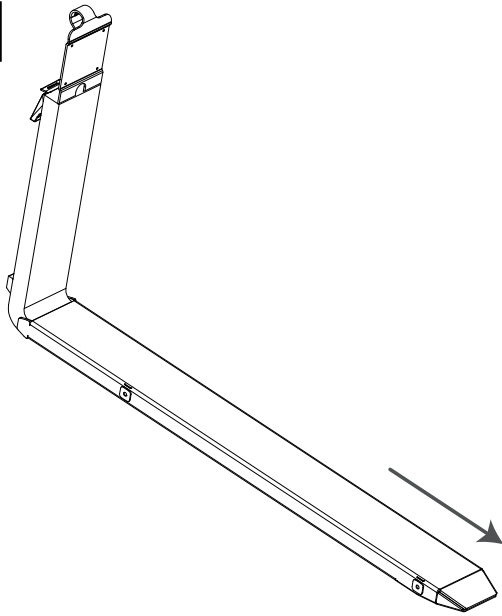
The sleeves must be removed from the Manual Extension Forks before welding work on the sleeves can proceed.

Instructions for Replacement of Sleeve

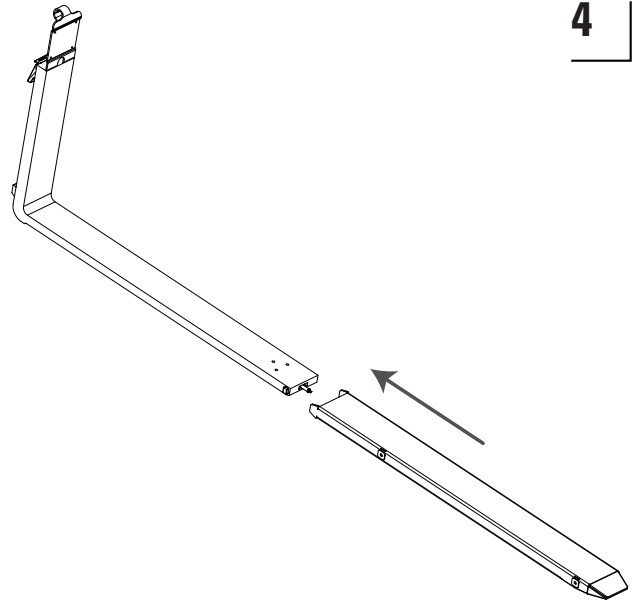
1 Position the Manual Extension Forks at hip height, tilt the mast of the forklift truck slightly forward.



Remove the stop using the three clamping bushes that connect it to the inner fork.

3

Unlock the fork by moving the catch to the right and slide the sleeve off the fork.

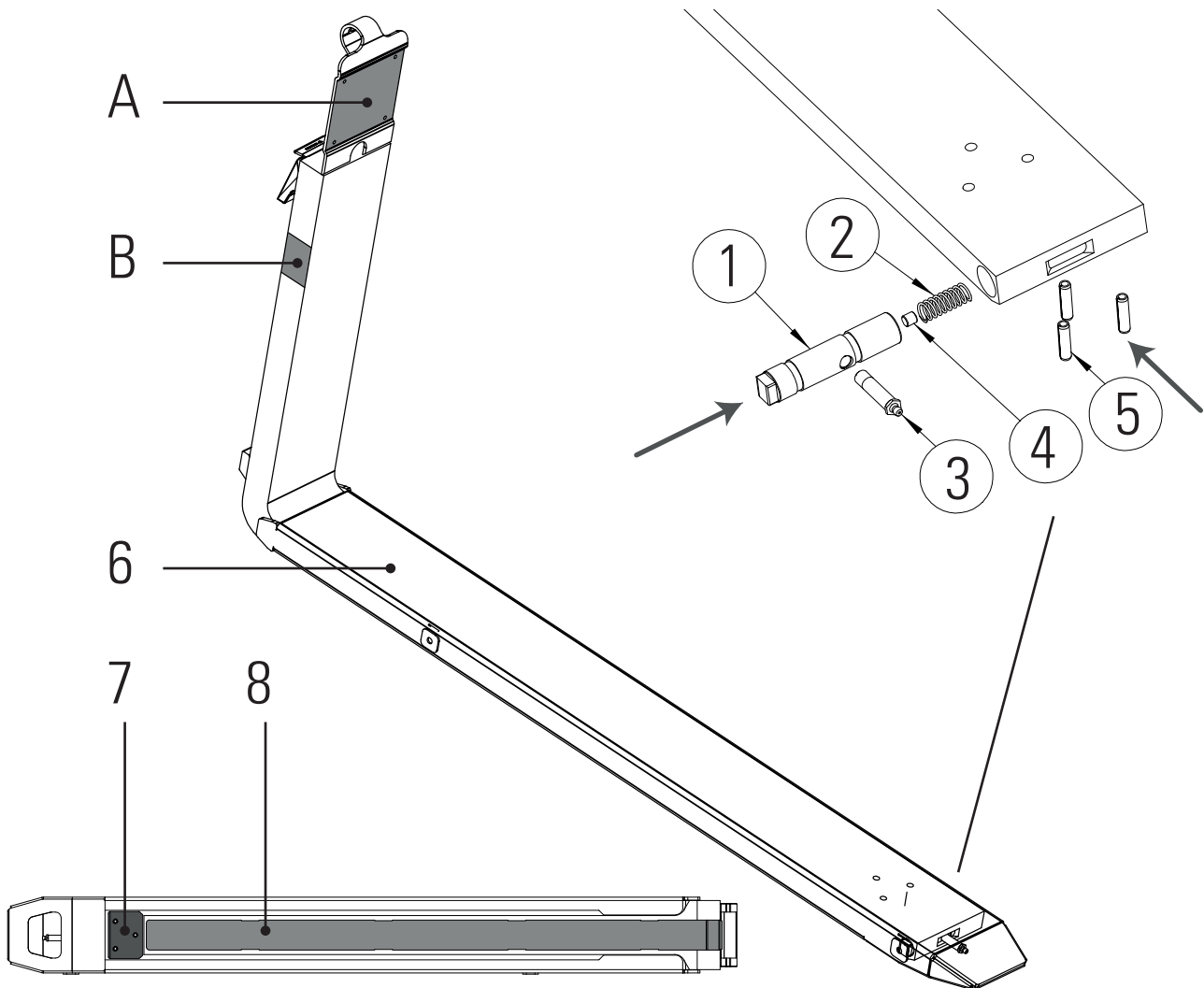
4

Slide the catch to the right, similar to the unlocking procedure. Slide the sleeve back around the fork and replace the stop.

Troubleshooting

Observation	Symptom	Possible Cause	Possible Solution
Difference in height between forks	One fork point is hanging lower than the other	One of the Manual Extension Forks has been permanently deformed as a result of overloading	Remove the forks from the carriage plate immediately and contact the supplier
		One of the Manual Extension Forks is not hanging properly on the carriage plate	Hang the Manual Extension Forks properly onto the carriage plate (check locking mechanism)
		Carriage plate is not completely horizontal	Please contact your forklift truck supplier
		The forks do not match (forks belong to different sets)	Check the serial numbers
Excessive play between fork blade and sleeve	Excessive play between fork blade and sleeve	Wear strips on one Manual Extension Fork are more worn than the other	Replace wear strips
		Wear strips worn out Sleeves worn out	Replace sleeves

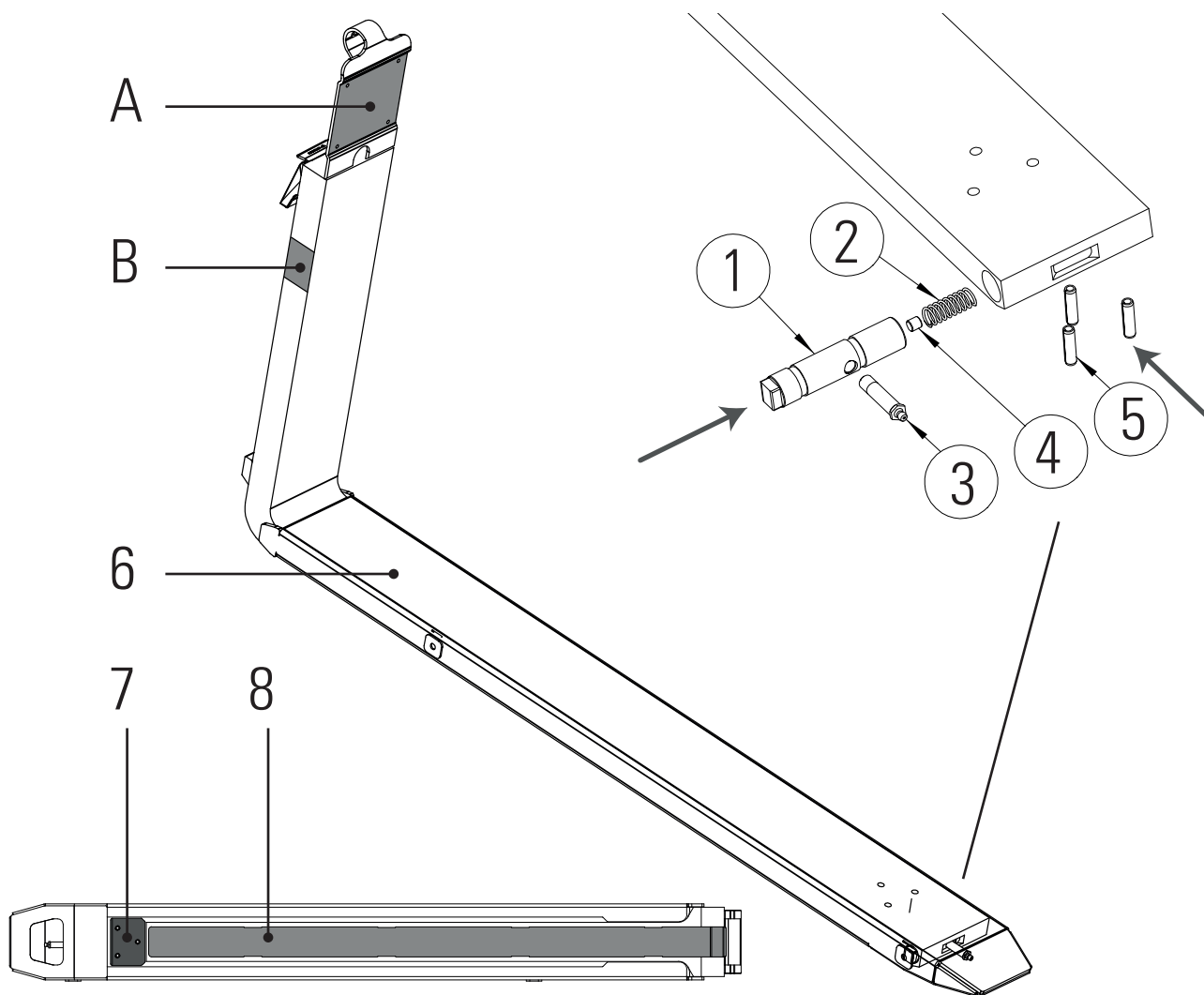
Replacement parts list (MME-17/24)



Pos. N°	Description	Article N°
1	MME Pin	M00014045
2	Compression spring	RE0005002
3	Grease nipple	M00014899
4	Set screw M8	07860 M8x8
5	Clamping bush	39100 8x30
6	MME Sleeve	¹
7	Stop	M00014047
8	Wear plate	¹
A	Type plate	
B	Engraved type information and serial number	

¹Article N° depending on specific model. Please provide serial number when ordering.

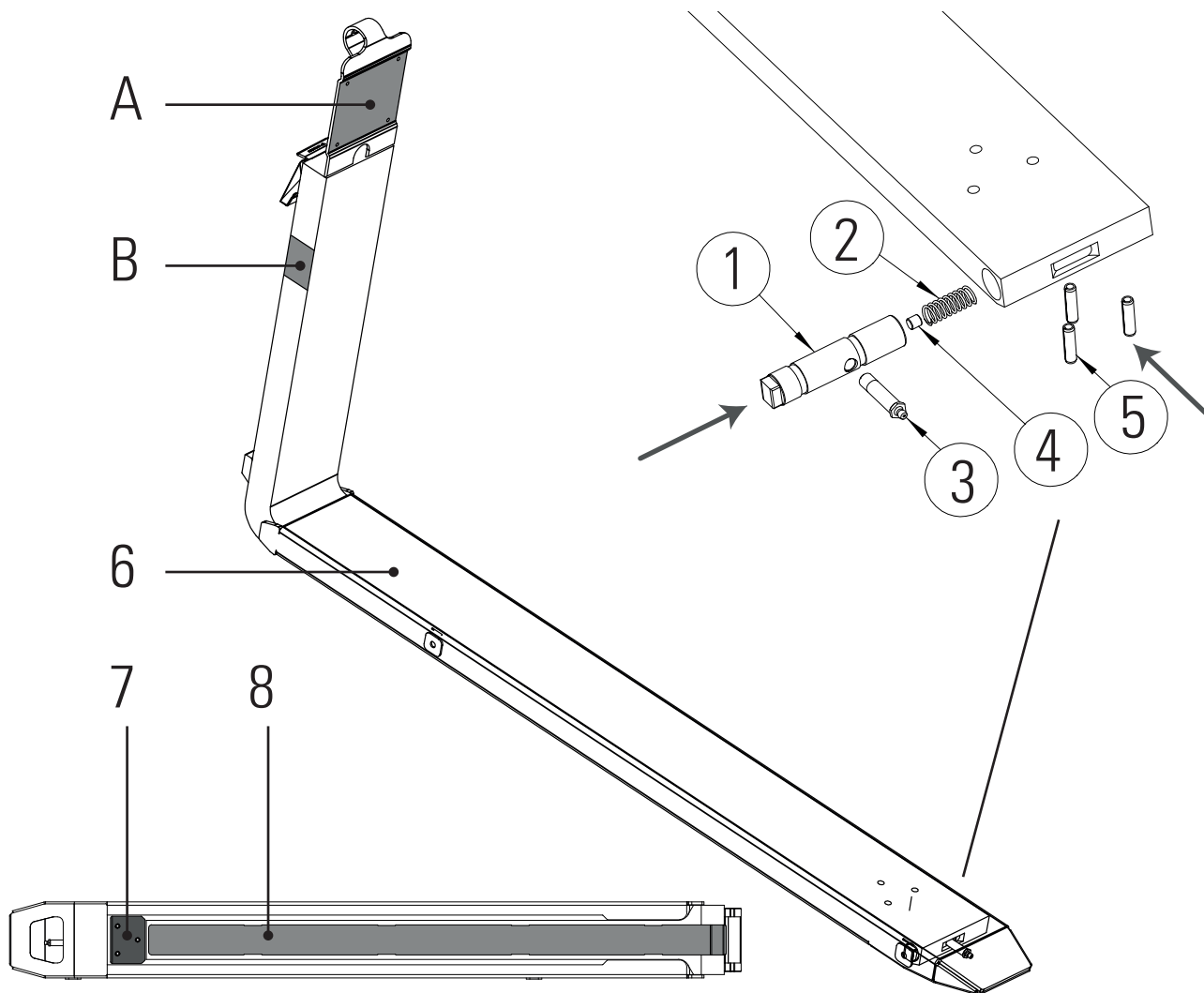
Replacement parts list (MME-20/30/35)



Pos. N°	Description	Article N°
1	MME Pin	M00018240
2	Compression spring	RE0005002
3	Grease nipple	M00014899
4	Set screw M8	07860 M8x8
5	Clamping bush	39100 8x30
6	MME Sleeve	1
7	Stop	RE0052112W120
8	Wear plate	1
A	Type plate	
B	Engraved type information and serial number	

¹Article N° depending on specific model. Please provide serial number when ordering.

Replacement parts list (MME-45/50/60)



Pos. N°	Description	Article N°
1	MME Pin	M00018240
2	Compression spring	RE0005002
3	Grease nipple	M00014899
4	Set screw M8	07860 M8x8
5	Clamping bush	39100 8x30
6	MME Sleeve	1
7	Stop	RE0052112W150
8	Wear plate	1
A	Type plate	
B	Engraved type information and serial number	

¹Article N° depending on specific model. Please provide serial number when ordering.

Production and safety standards

Meijer Handling Solutions B.V. requires its products to be of the highest quality and we can only guarantee this by complying with all applicable international standards and regulations such as:

ISO 9001

Quality management systems - Requirements.

ISO 13284

Fork-arm extensions and telescopic fork arms. Technical characteristics and strength requirements. (safety factor 3 at all times)

ISO 2328

Hook-on type fork arms and fork carriages. Mounting dimensions.

ISO 3834-2

Quality requirements for fusion welding of metallic materials.

CE

European Machine Directive 2006/42/EC



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