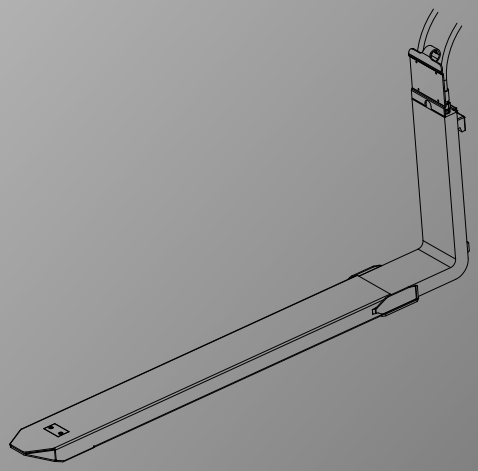
Instruction and parts manual

RG2, RGN2
TFG2
RG4, RG8
RGE2, RGEN2
RGE4
TRG2



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Index

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 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 KOOI-REACHFORKS®, parts of the KOOI-REACHFORKS® or goods.

"*Only applies to:*" texts (italics) indicate that a text only applies to a certain situation or certain type of KOOI-REACHFORKS®.

Note

The information in this manual is provided without any form of guarantee. Under no circumstances shall Meijer Handling Solutions B.V. be held liable for accidents or damages arising from the use of this manual.

Please note that information in this manual may be changed at any time without prior notice and that it may contain technical inaccuracies and typing errors. Meijer Handling Solutions B.V. makes every effort to avoid errors in this manual, but cannot guarantee this. Please let us know if you encounter any typing errors or technical inaccuracies, or if you have any suggestions.

Quality Standards/Norms and Directives

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

KOOI-REACHFORKS® comply with the following norms/directives:

- ISO 13284 – Fork Arm Extensions and Telescopic Fork Arms;
- ISO 4406 – Hydraulic Fluid Power – Fluids – Method for Coding the Level of Contamination by Solid Particles
- ISO 2328 – Forklift 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
- CE (2014/43/EC) – ATEX **(only applies to forks with an ATEX name plate!)**

KOOI-REACHFORKS® 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 KOOI-REACHFORKS® or on the load.

Warning:
Do no walk or stand under the KOOI-REACH-FORKS®.

Warning:
Do not reach through the mast of the forklift truck.

Warning:
Do not load the KOOI-REACHFORKS® beyond the limits of the lifting capacities and load centre stipulated by the manufacturer.

Warning:
Do not weld anything onto the KOOI-REACH-FORKS® without the express permission of the supplier. Welding carried out without permission shall void any warranty.

Warning:
Do not use faulty KOOI-REACHFORKS® before they have been either professionally repaired or replaced.

Warning:
Do not carry out maintenance work on the KOOI-REACHFORKS® whilst there is pressure in the hydraulic system (remove key from forklift ignition switch).

Warning:
Do not place limbs between pallet stops and the inner fork (vertical section) of the KOOI-REACH-FORKS®. If the load shifts, limbs can become trapped which can result in serious injury.

Warning:
Do not use the KOOI-REACHFORKS® in areas where the temperature is below -30°C (-22°F) unless otherwise agreed with the manufacturer.

Warning:
Do not clamb loads onto the KOOI-REACH-FORKS® when the outer forks are extended.

Warning: Temperature differences and external forces can cause pressure to build up in a plugged hydraulic product. In the case of a plugged product, partially loosen the coupling nuts to release any pressure that has built up and then completely unscrew the nuts and plugs from the product.

Caution:
When leaving the forklift the engine must be switched off and the handbrake applied.

Caution:
Bear in mind the space above and beneath the KOOI-REACHFORKS®.

Caution:
The load must be distributed as evenly as possible on the KOOI-REACHFORKS®.

Caution:
Retract the (loaded) KOOI-REACHFORKS® as soon as possible.

Caution:
If possible, retract the KOOI-REACHFORKS® before driving.

Caution:
Always drive with the KOOI-REACHFORKS® in the lowest possible position.

Caution:
Ensure that dismantled KOOI-Reachforks can not turn over by depositing the fork back on the ground.

Identification

Type plate legend:

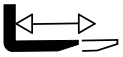
Type description

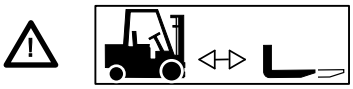
Serial number


Retracted center of gravity


Extended center of gravity


Retracted load center


Extended load center



Weight

Max. capacity on retracted load center

Max. capacity on extended load center

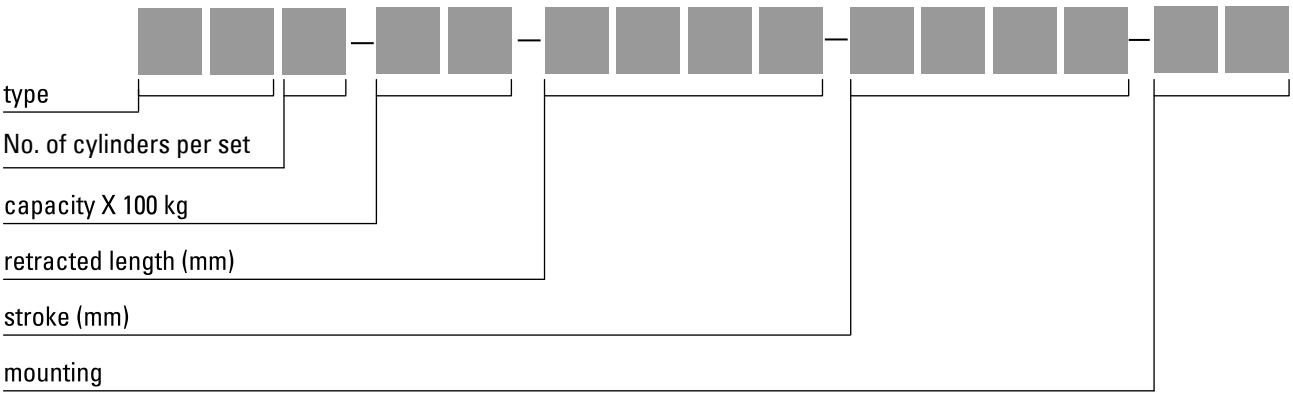
Maximum allowed oil pressure

Production year


Extra information

WARNING: Never exceed the maximum truck capacity as seen on the truck type plate. Rated capacity of both truck and attachment is the responsability of the original truck manufacturer and may be less then the capacity shown on the attachments type plate.

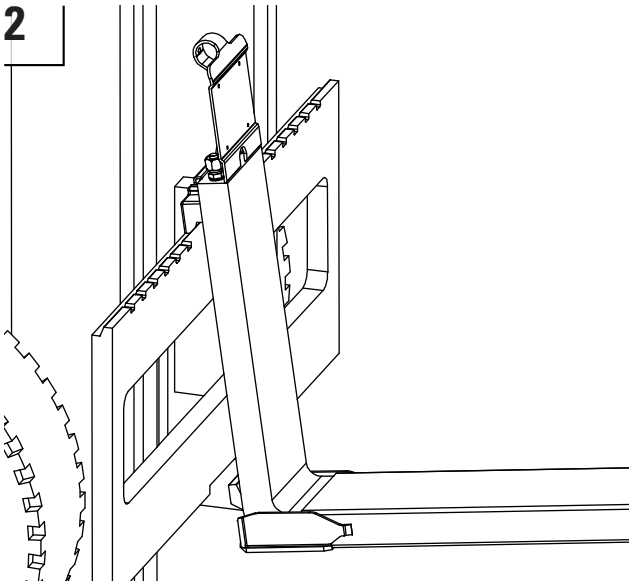
Mounting type description of KOOI-REACHFORKS®:



Assembly

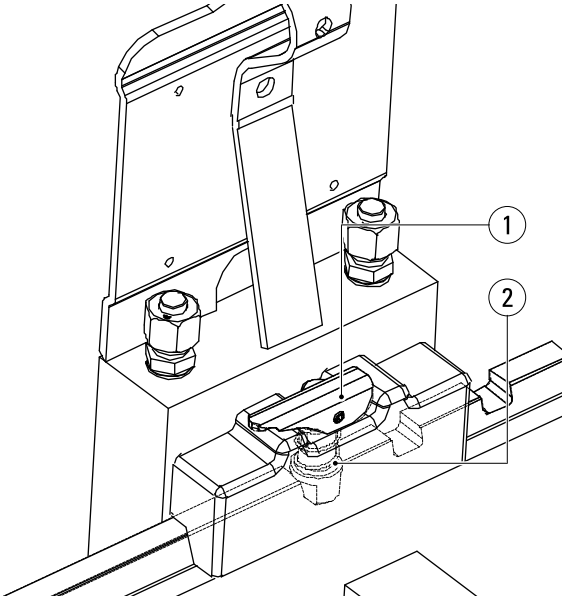
1 The KOOI-REACHFORKS® type plates are stamped with an 'L' and an 'R'. Mount the KOOI-REACHFORKS® on the left (L) and right (R) as viewed from the forklift operator's seat.

2



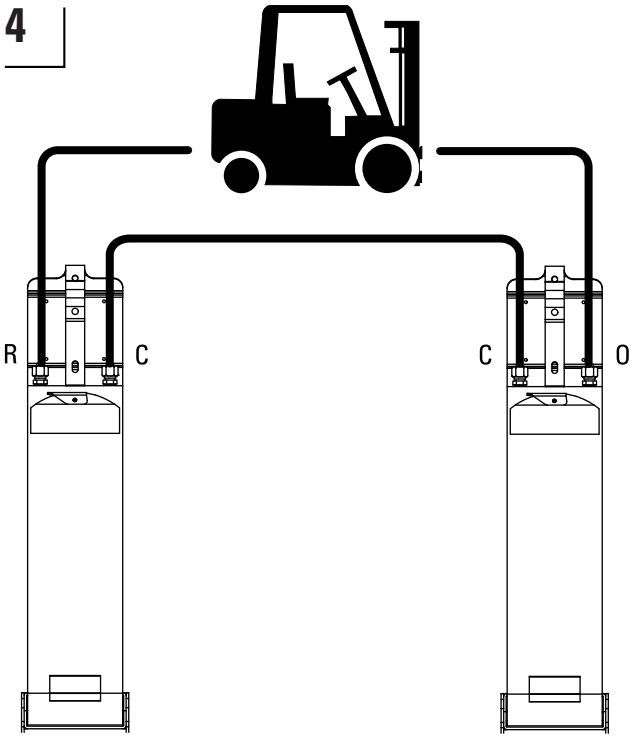
Slide the KOOI-REACHFORKS® onto the carriage plate.

3



Make sure that each of the KOOI-REACHFORK® locking pins (2) drops into one of the notches on the carriage plate. Use catch (1) before operating.

4



Connect the KOOI-REACHFORKS® to the hydraulic system.

Type KOOI-REACHFORKS®	Recommended oil flow	Recommended hose diameter	Maximum operating pressure	Connection
RG2 / RGE2 / RGN2 / TFG2 / TRG2	7,5-12,5 (L/min) 2-3.3 (gal/min)	3/8"	250 bar (3626 psi)	12L / 7/16" JIC (USA) / 9/16" (USA)
RG4 / RGE4	12,5-20 (L/min) 3.3-5.3 (gal/ min)			

5 Bleed the hydraulic system:

- Tilt the forklift truck mast forwards and backwards several times.
- Tilt the forklift mast forwards and slide the KOOI-REACHFORKS® in. Operate the lever for about 30 seconds so that the KOOI-REACHFORKS® remain retracted and they are flushed.
- Extend and retract the KOOI-REACHFORKS® several times.

Check that hydraulic hoses are unobstructed and that there are no oil leakages.

Working with KOOI-REACHFORKS®

The KOOI-REACHFORKS®, type RG, feature an integrated synchronising system that enables both forks to extend and retract simultaneously. However, should the KOOI-REACHFORKS® fail to operate simultaneously, slide the KOOI-REACHFORKS® fully in and, whilst the sleeves are in the retracted position, operate the valve for another ±10 seconds. This gives the hydraulic system a chance to reset both sleeves in their rearmost position.

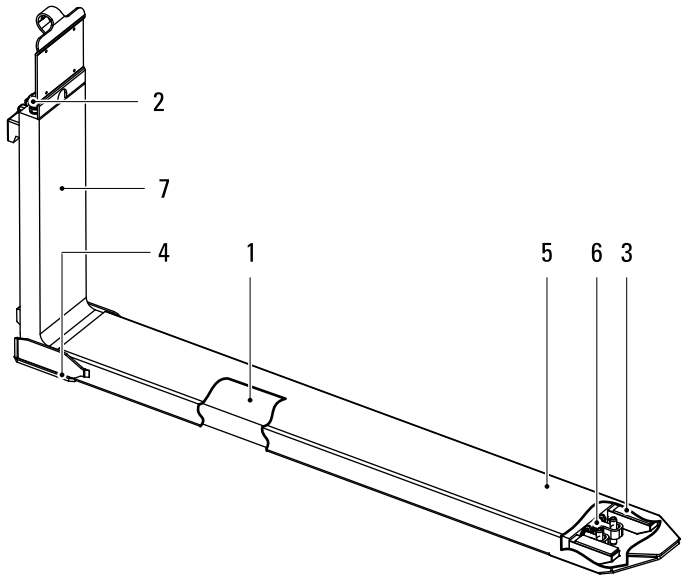
To minimise wear, avoid allowing the KOOI-REACHFORKS® to come in contact with the ground during operation . In order to reduce wear:

- The manufacturer can weld a wear-resistant plate under the sleeve which can be replaced when worn out.
- The chains in the forklift mast can be shortened so that the KOOI-REACHFORKS® cannot reach the ground.

Maintenance Schedule

Nº	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 inner fork for leaks	✓			
3.	Check wear strips for any sign of wear*			✓	
4.	Check sleeve for signs of wear, especially the heel side* (REE/REEN type also wear plate)		✓		
5.	Check for and remove any dirt in the sleeve			✓	
6.	Check for any cylinder head leaks			✓	
7.	Check inner forks in accordance with ISO 5057* standards				✓

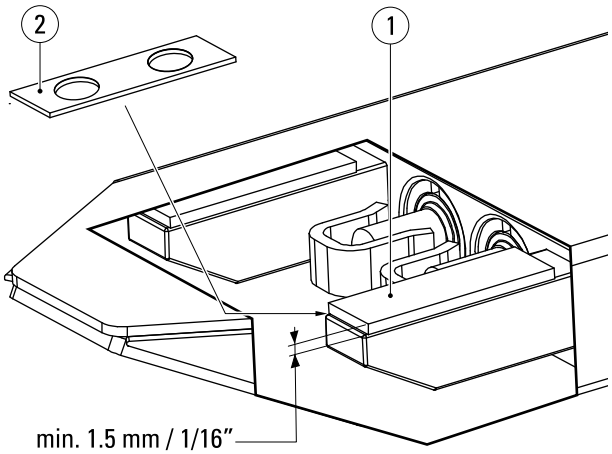
*See chapter on 'Wear'.



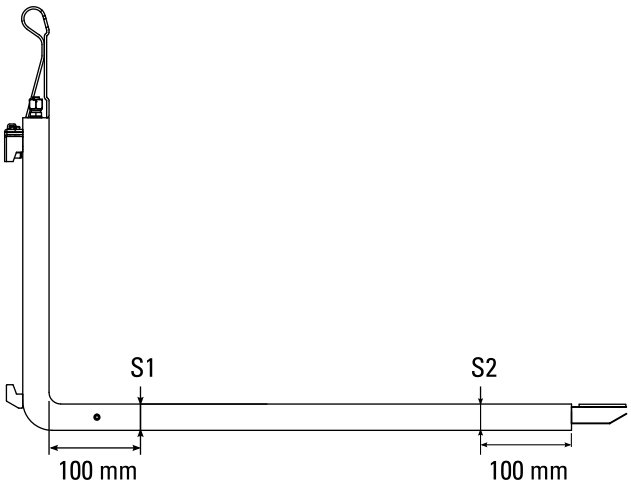
Notes on 'Maintenance Schedule'

- Recommended lubricating grease: Novatex EP2 (point 1).
- In the event of leakage, immediately remove the forks from the forklift and contact your supplier (point 2).
- If defects are detected, solve the problem / replace parts before proceeding to work with the KOOI-REACHFORKS®.
- See chapter on 'Instructions for Replacement of Sleeve' and 'Instructions for Replacement of Hydraulic Parts' for further explanation about replacing parts and required tools.

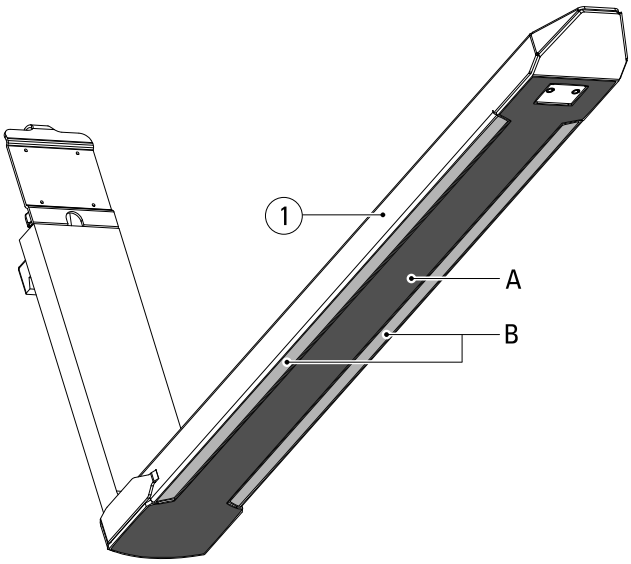
Wear



The thickness of Wear Strips (1) may not be less than 1.5 mm (1/16”). When Wear Strips (1) have worn to this thickness, replace them or fill with spacers (2) (Art. Nº RE0092002). See point 3 of the Maintenance Schedule.

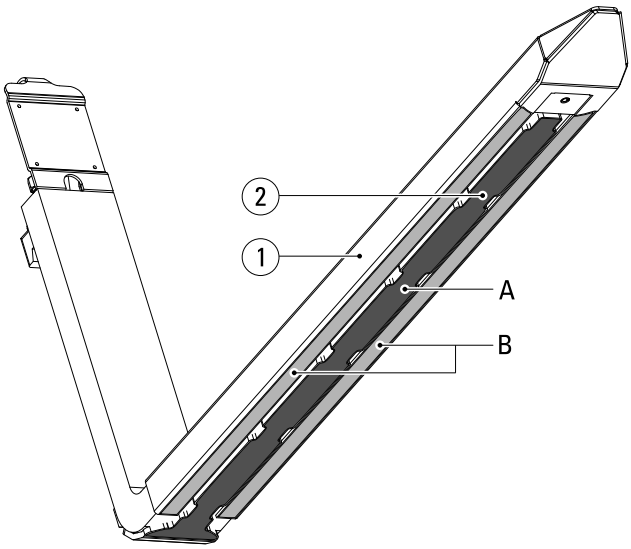


The inner fork must be replaced when S1 is 5% thinner than S2. See point 7 of the Maintenance Schedule.



When surface A (dark grey, integrated wear plate) is worn to the extent that it is level with or below surface B (light grey), then the sleeve (1) must be replaced or fitted with a welded-on wear plate. For more information about welded-on wear plates, please contact your fork supplier. See point 4 of the Maintenance Schedule.

Caution:
The sleeves must be removed from the KOOI-REACHFORKS® before welding work can proceed.
Pistons, piston rods and cylinder heads must be removed before welding is carried out in the inner fork.



Applies only to: KOOI-REACHFORKS® type RGE and RGEN;
When surface A (dark grey, integrated wear plate) is worn to the extent that it is level with or below surface B (light grey), then the sleeve (2) must be replaced. If there are signs of wear in the lower side of the sleeve (2) then it must be replaced. See point 4 of the Maintenance Schedule.

Wear Plate Welding Data:

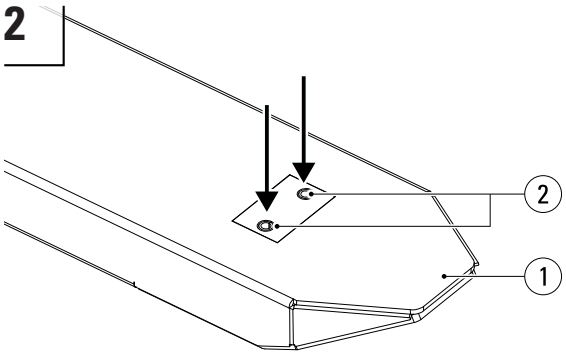
- Process: MAG (135), 210A, 28 VDC
- Weld type: fillet weld a4, 1 layer
- Cleaning: brush
- Wire: 1 mm, EN 12534 / Mn3Ni1CrMo
- Shielding gas: 80% Ar / 20% CO_2, 15-16 L/min
- Weld in wear-plate grooves

Instructions for Replacement of Sleeve

1 Position the KOOI-REACHFORKS® at hip height, tilt the mast of the forklift slightly forward and remover the key from the ignition switch of the forklift.

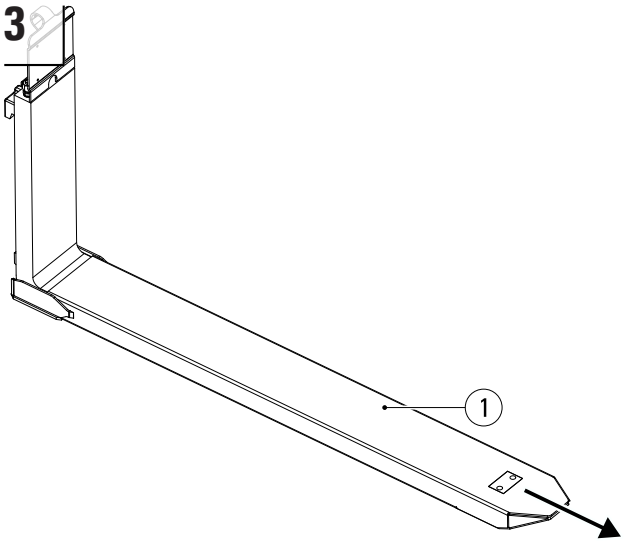
Warning:
Do not carry out maintenance work on the KOOI-REACHFORKS® whilst there is pressure in the hydraulic system (remove key from forklift ignition switch).

2



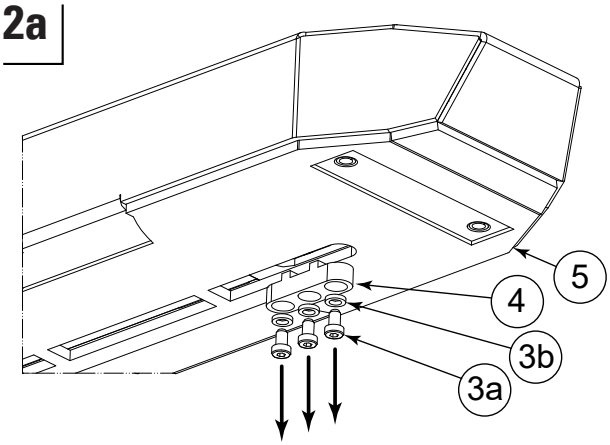
Tap the spring pins (2) out of the sleeve (1).
Tools required: Hammer, punch Ø10

3



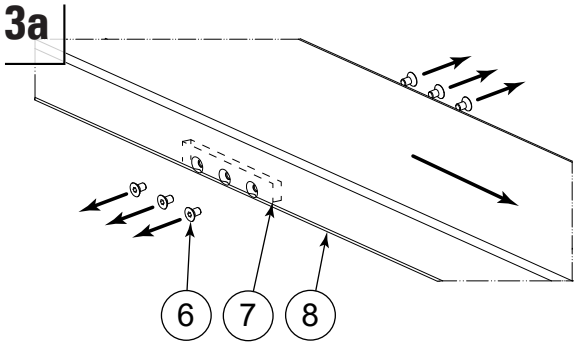
Pull the sleeve (1) off the fork.

2a



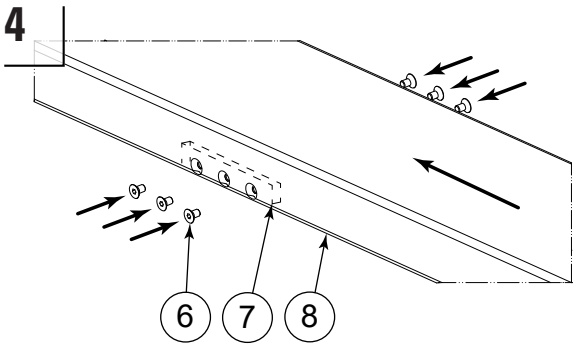
Applies only to: KOOI-REACHFORKS® type TRG2;
Unscrew the screws (3a + 3b) and remove the stops (4) from the outer sleeve (5) (on both sides of the sleeve).
Tools required: Allen key 4.

3a



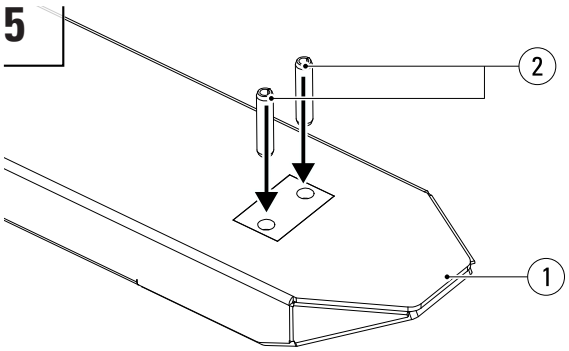
Applies only to: KOOI-REACHFORKS® type TRG2;
Unscrew the screws (6) (on both sides) from the stops (7) and remove the inner sleeve.
Tools required: Allen key 4.

4



Applies only to: KOOI-REACHFORKS® type TRG2;
Slide the (new) inner sleeve (8) onto the fork. Tighten the screws (6) (on both sides in the stops (7). Lock the screws (6) with Loctite 270[1].
Tools required: Allen key 4, Loctite 270[1].

5

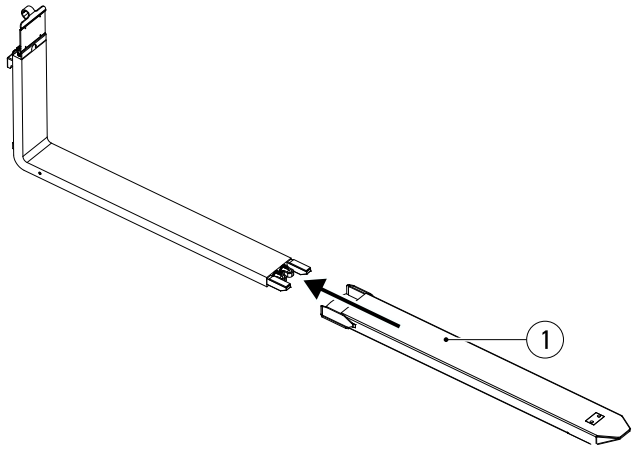


Tap the spring pin(s) (2) into the (new) sleeve (1).

Caution:
Ensure that the holes in the sleeve (1) are aligned with the opening in the bracket(s) that are welded onto the piston rod(s). DO NOT tap the spring pin onto the bracket or piston rod!

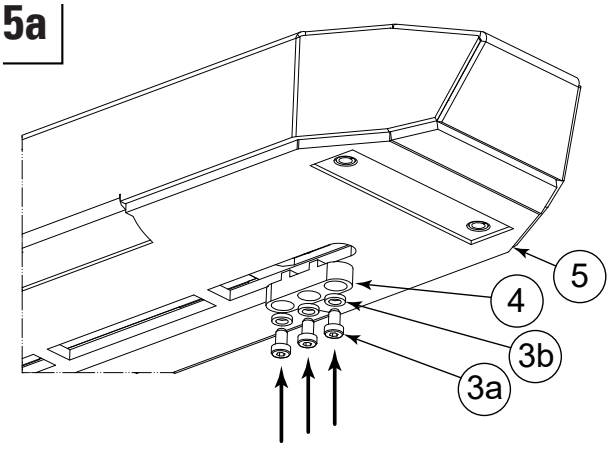
Tools required: Hammer.

4a



Slide the (new) sleeve (1) over the fork.

5a



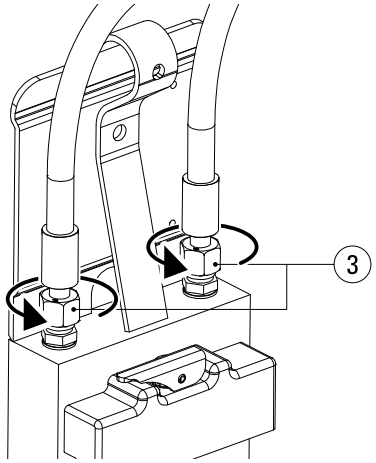
Applies only to: KOOI-REACHFORKS® type TRG2;
Place the stops (4) in the outer sleeve (5). Tighten the screws (3a + 3b) (on both sides of the sleeve). Lock the screws (3) with Loctite 270[1].
Tools required: Allen key 4, Loctite 270[1].

[1] See www.loctite.com

Replacement of Hydraulic Parts

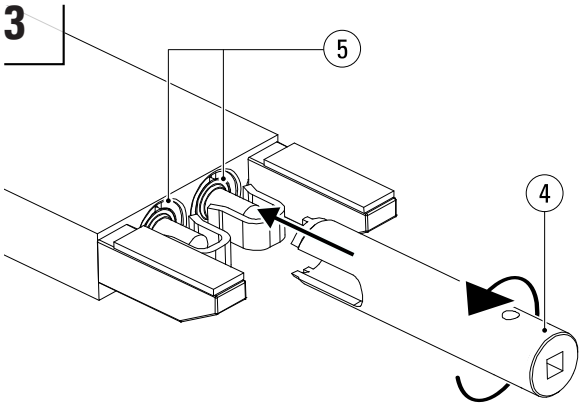
1 Follow steps 1 to 3 in chapter on 'Instructions for Replacement of Sleeve'.

2



Loosen the hose connectors (3) slightly so that the pistons do not create a vacuum when removing the hydraulic parts.
Tools required: Open-ended spanner 22.

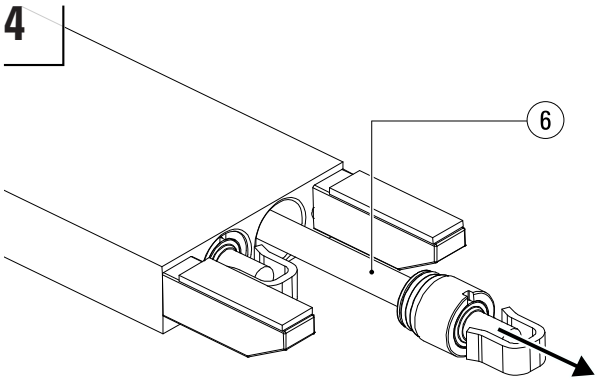
3



Place a drip tray below the fork. Unscrew the cylinder head(s) (5) using a cylinder head spanner (4) and a ratchet.
Tools required: Cylinder head spanner, 1/2'' ratchet.

*Cylinder head spanners are only available from Meijer Handling Solutions B.V. (Art. Nº RE0058034).

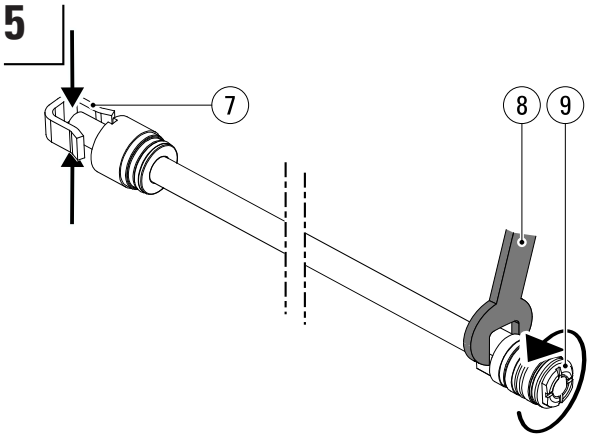
4



Pull the entire hydraulics set (6) consisting of the piston, cylinder head and piston rod out of the fork.

Caution:
Take care with the surface of the piston rod. Even minor damage to surface can cause leaks.

5

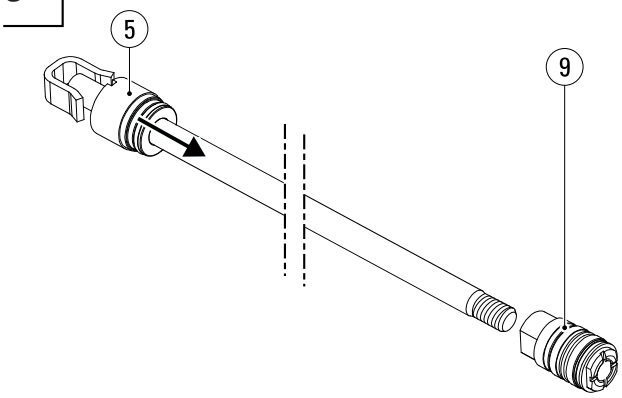


Clamp the piston rod at the rod end (7), not on the piston rod itself to prevent damage (see step 4 in this chapter). Use a size 24 (8) open-ended spanner to loosen the piston (9). If the piston cannot be loosened, heat the piston with a burner.
Tools required: Open-ended spanner 24, clamp.

Note: When heating the piston with a burner, it must be replaced due to the damage to the seals caused by heating.

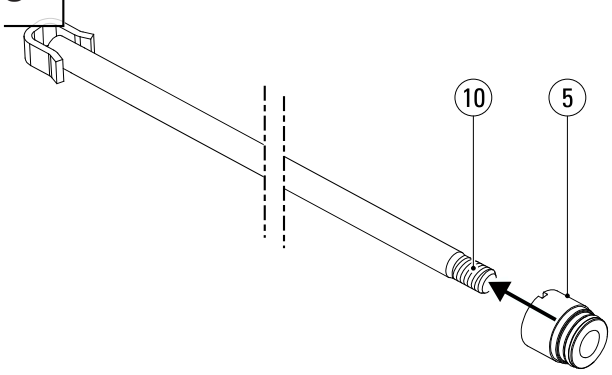
Warning:
Do not use a burner in an area not equipped/intended for his purpose because of fire hazard.

6



When piston (9) is removed, the cylinder head (5) can be removed, should it need to be replaced.

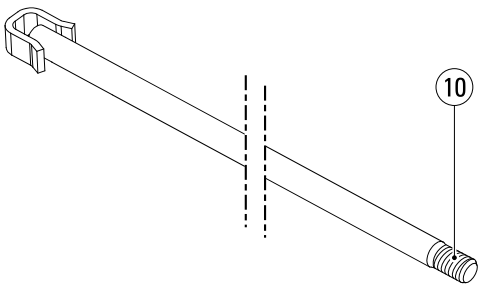
8



Slide the (new) cylinder head (5) onto the piston rod (10).

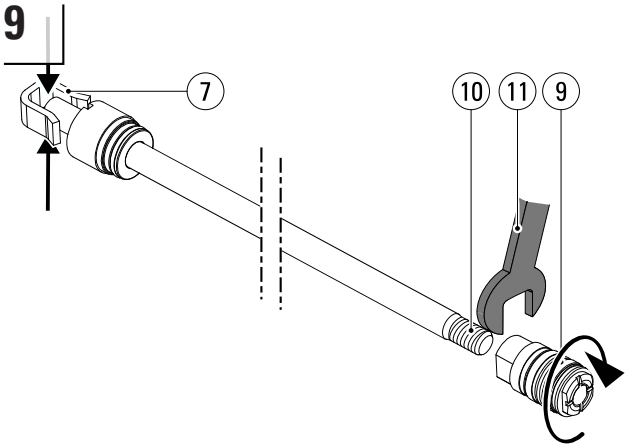
Caution:
Do not damage the cylinder head seals (5) during assembly as this can result in leakage. Pay particular attention when the sliding cylinder head (5) over the thread (10) of the piston rod.

7



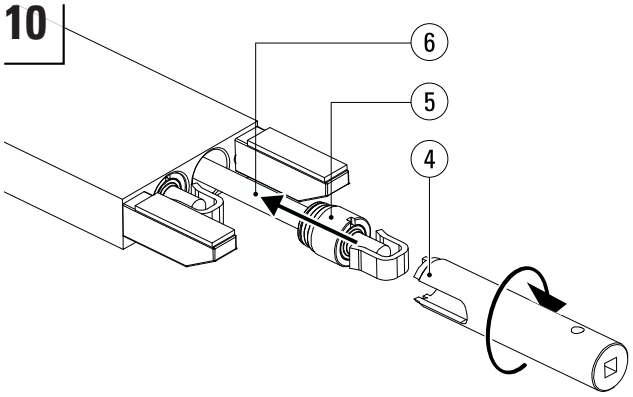
Remove remaining adhesive residue from the piston rod thread (10), then clean the piston rod and thread (10) using Loctite 7063[1].
Tools required: Loctite 7063[1].

9



Apply Loctite 270 to the thread (10) of the piston rod [1]. Clamp the piston rod at the rod end (7), not on the piston rod itself to prevent damage (see step 4 in this chapter). Clean the piston thread with Loctite 7063[1]. Use a torque wrench 24 (11) to tighten the piston (9) onto the piston rod (10) to a torque of 100 Nm.
Tools required: Loctite 270[1], Loctite 7063[1], torque wrench 24.

10



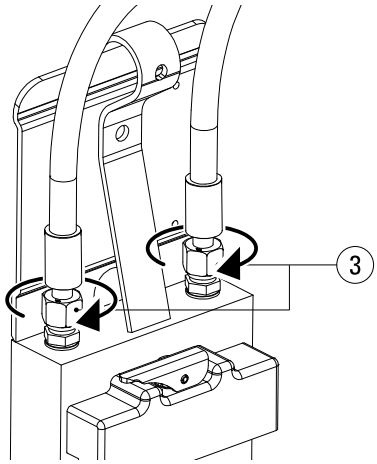
Smear Copaslip[2] onto the thread of the cylinder head (5). Line up the hydraulic set (6) with the cylinder and use a hammer to tap it carefully into the bore. Screw the cylinder head tight using the cylinder head spanner (4) and a torque wrench. See table below for torque values.
Tools required: Hammer, Copaslip[2], cylinder head spanner*, 1/2" ratchet.

Cylinder diameter (mm)	Torque (Nm)
30	80
35	80
40	90

*Cylinder head spanners are only available from Meijer Handling Solutions B.V. (Art. N° RE0058034).

Caution:
Do not damage the piston or cylinder head seals during assembly as this can result in leakage.

11



Screw the hose connectors (3) tight.
Tools required: Open-ended spanner 22.

12 Follow steps 4 to 5 in chapter on 'Instructions for Replacement of Sleeve'.

13 Finally, follow step 5 of the chapter on 'Assembly'.

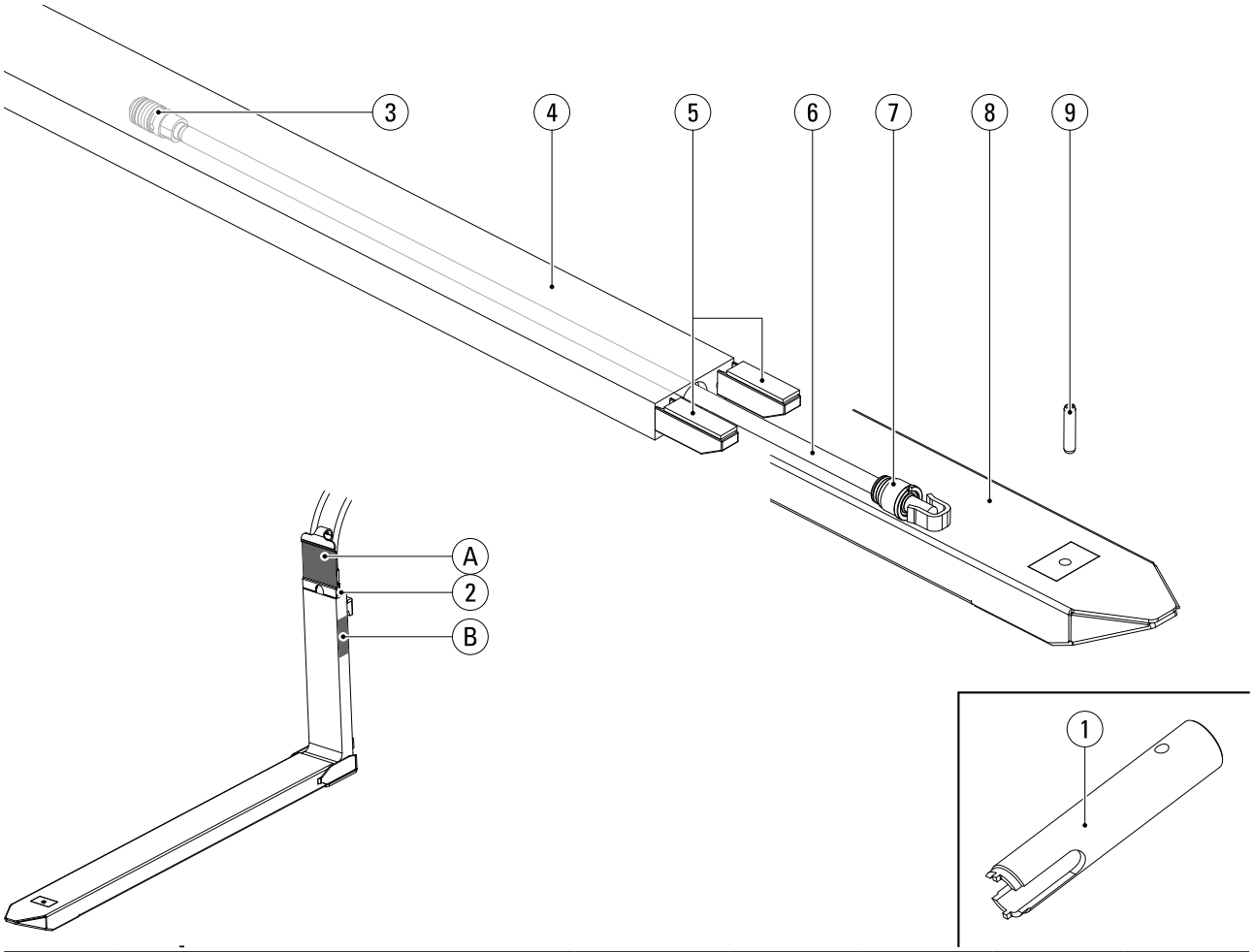
[1] See www.loctite.com
[2] See www.kroon-oil.com

Troubleshooting

Observation	Symptom	Possible Cause	Possible Solution
Oil leak	Oil leak between cylinder head and piston rod	Bent piston rod	Replace piston rod and cylinder head
		Scratched/damaged piston rod	
		Leaking piston seal	Replace cylinder head
	Oil leak between cylinder head and fork blade.	Leaking O-Ring	Replace cylinder head
	Oil leak at connector	Leaking copper ring	Replace copper ring
		Loose connector	Tighten connector
	Forks leaking oil	One or both KOOI-REACHFORKS® are cracked	Remove KOOI-REACHFORKS® from carriage immediately and contact supplier.
Forks not moving in unison	Right sleeve extends faster than left one. When the right-hand fork has reached its limit, the left one stops approx. half way.	The left and right KOOI-REACHFORKS® have been mounted the wrong way round	Swap the left and right KOOI-REACHFORKS® around and connect the hoses correctly

Forks not moving in unison	The left sleeve reaches its end position first. When the left sleeve is at its end position, the right one reaches 3/4 of its stroke	KOOI-REACHFORKS® have been connected the wrong way round	Connect the KOOI-REACHFORKS® as indicated in the instructions in the chapter on 'Assembly'
	Sleeves not moving in unison	A piston seal is leaking	Replace the piston with the leaking seal
	Left or right sleeve extends without operating lever being used.	Air in hydraulic system	Follow step 5 of the chapter on 'Assembly'
	Difference in stroke length becomes increasingly great and one sleeve fails to retract fully.	Pistons cannot return to their rear position meaning the KOOI-REACHFORKS® hydraulic system cannot be flushed and reset	Slide the sleeves in fully and operate the lever for another 30 sec. (in the same direction as when retracting)
			Check that the rear of the sleeve(s) does not come into contact with the carriage plate. If so, please contact your supplier
			Dismantle sleeves and remove any dirt that has accumulated in the front ends.
	One or both sleeves move without being operated	Leak in the forklift's control valve	Inform your forklift supplier.
	One sleeve remains stationary when retracting and then suddenly retracts quickly	Spring pin(s) broken	Replace the spring pin(s)
	One of the sleeves fails to retract		
Difference in length between the sleeves	Stroke length difference	Piston rods are not same length.	Please contact your supplier.
		Loose piston	Dismantle outer fork, remove hydraulic set from fork and tighten piston (100 Nm)
Difference in height between forks	One fork point hangs lower than the other	One of the KOOI-REACHFORKS® has been permanently deformed as a result of overloading.	Remove KOOI-REACHFORKS® from carriage immediately and contact supplier
		One of the KOOI-REACHFORKS® is not hanging on the carriage plate	Hang the KOOI-REACHFORK® properly onto the carriage plate (check locking mechanism)
		Carriage plate is not completely horizontal	Please do contact your forklift truck supplier.
		The forks do not match (forks belong to different sets)	Check serial Nºs.
		Wear strips on one KOOI-REACHFORK® are more worn than the other	Replace wear strips
	Excessive play between fork blade and sleeve	Wear strips worn out	
		Sleeves worn out	Replace sleeves

Replacement parts list RG2, RGN2



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks			
			RG2-20	RG2-30	RGN2-30	RGN2-35
1	Cylinder head spanner	RE0058034	1[1]	1[1]	1[1]	1[1]
2	Straight male coupling 12L	RE2017001	4	4	4	4
3	Piston Ø30 (for piston rod Ø18)[2]	RE2008009	1	1	1	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008011	1	1	1	1
4	Inner fork	[4]	2	2	2	2
5	Wear strip PA6	RE0020000	4	4	4	4
6	Piston rod Ø18	[4]	2	2	2	2
7	Cylinder Head Ø30 (for piston rod Ø18)[2]	RE2009002	1	1	1	1
	Cylinder Head Ø35 (for piston rod Ø18)[3]	RE2009003	1	1	1	1
8	Sleeve	[4]	2	2	2	2
9	Spring pin 55 mm	RE0033015	2	2	-	-
	Spring pin 65 mm	RE0033014	-	-	2	2
A	Type plate					
B	Engraved type information and serial number					

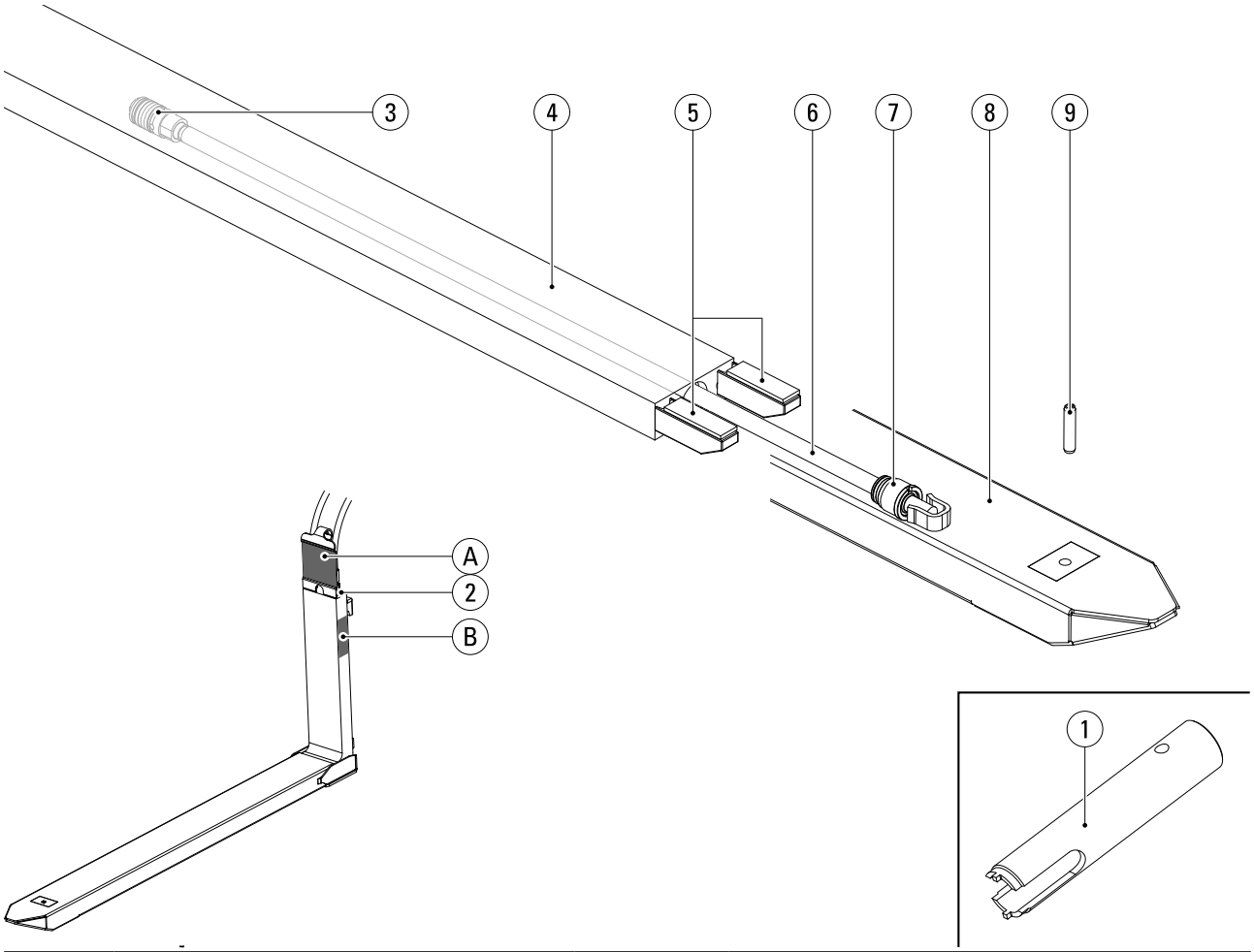
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list TFG2



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks
			TFG2-20
1	Cylinder head spanner	RE0058034	1[1]
2	Straight male coupling 12L	RE2017001	4
3	Piston Ø35 (for piston rod Ø20)[2]	RE2008011	1
	Piston Ø40 (for piston rod Ø20)[3]	RE2008014	1
4	Inner fork	[4]	2
5	Wear strip PA6	RE0020000	4
6	Piston rod Ø20	[4]	2
7	Cylinder Head Ø35 (for piston rod Ø20)[2]	RE2009004	1
	Cylinder Head Ø40 (for piston rod Ø20)[3]	RE2009006	1
8	Sleeve	[4]	2
9	Spring pin 65 mm	RE0033014	2
A	Type plate		
B	Engraved type information and serial number		

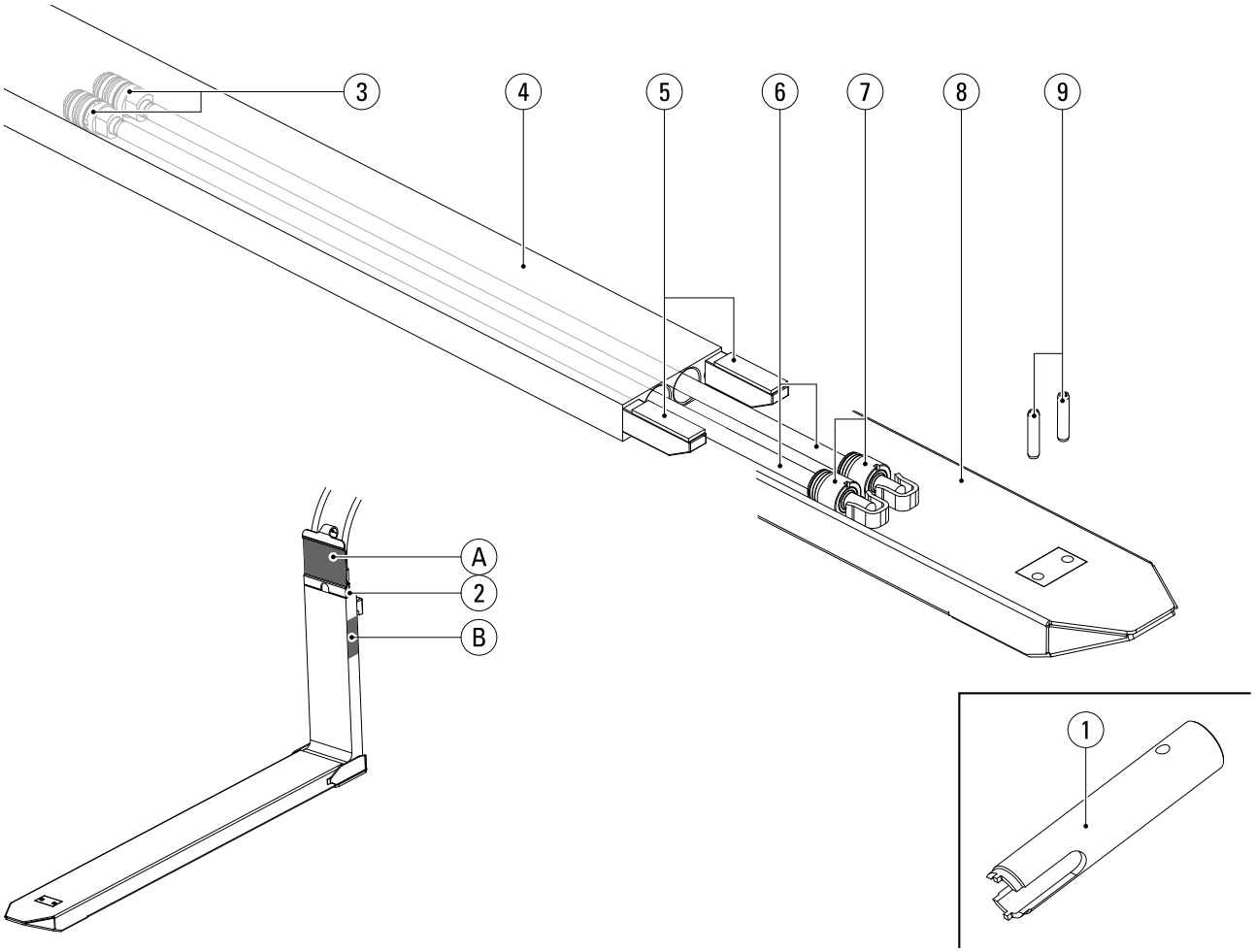
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list RG4



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks			
			RG4-25	RG4-35	RG4-45	RG4-58
1	Cylinder head spanner	RE0058034	1[1]	1[1]	1[1]	1[1]
2	Straight male coupling 12L	RE2017001	4	4	4	4
3	Piston Ø30 (for piston rod Ø18)[2]	RE2008009	1	1	1	1
	Piston Ø30 (for piston rod Ø18)[2]	RE2008010	1	1	1	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008011	1	1	1	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008012	1	1	1	1
4	Inner fork	[4]	2	2	2	2
5	Wear strip PA6	RE0020000	4	4	-	-
	Wear strip AMPCO	RE0020001	-	-	4	4
6	Piston rod Ø18	[4]	4	4	4	4
7	Cylinder Head Ø30 (for piston rod Ø18)[2]	RE2009002	2	2	2	2
	Cylinder Head Ø35 (for piston rod Ø18)[3]	RE2009003	2	2	2	2
8	Sleeve	[4]	2	2	2	2
9	Spring pin 55 mm	RE0033015	4	4	4	-
	Spring pin 65 mm	RE0033014	-	-	-	4
A	Type plate					
B	Engraved type information and serial number					

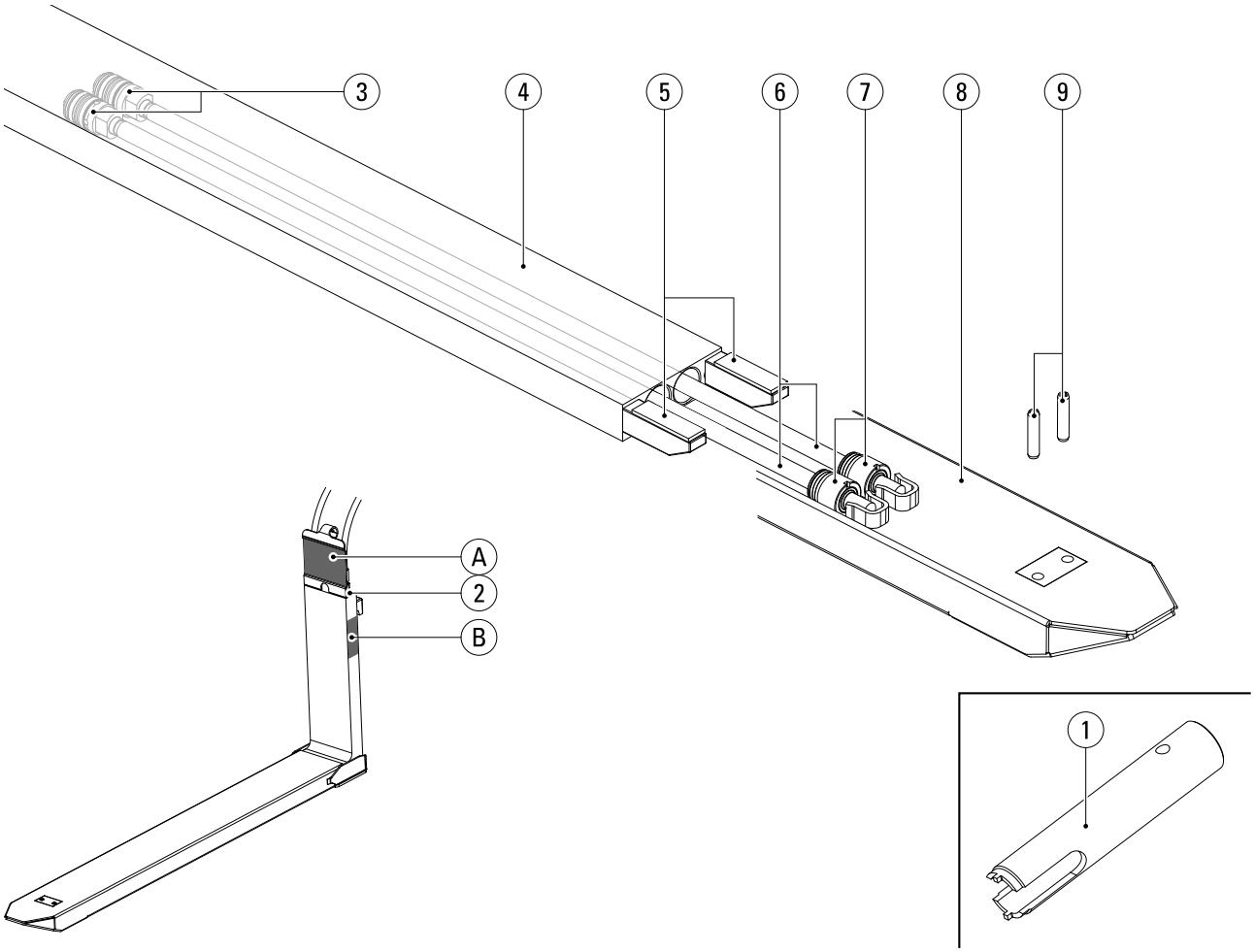
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list RG4



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks	
			RG4-77	RG4-105
1	Cylinder head spanner	RE0058034	1[1]	1[1]
2	Straight male coupling 12L	RE2017001	4	4
3	Piston Ø35 (for piston rod Ø20)[2]	RE2008011	1	1
	Piston Ø35 (for piston rod Ø20)[2]	RE2008012	1	1
	Piston Ø40 (for piston rod Ø20)[3]	RE2008014	1	1
	Piston Ø40 (for piston rod Ø20)[3]	RE2008015	1	1
4	Inner fork	[4]	2	2
5	Wear strip AMPCO	RE0020001	4	4
6	Piston rod Ø20	[4]	4	4
7	Cylinder Head Ø35 (for piston rod Ø20)[2]	RE2009004	2	2
	Cylinder Head Ø40 (for piston rod Ø20)[3]	RE2009006	2	2
8	Sleeve	[4]	2	2
9	Spring pin 65 mm	RE0033014	4	-
	Spring pin 75 mm	RE0033023	-	4
A	Type plate			
B	Engraved type information and serial number			

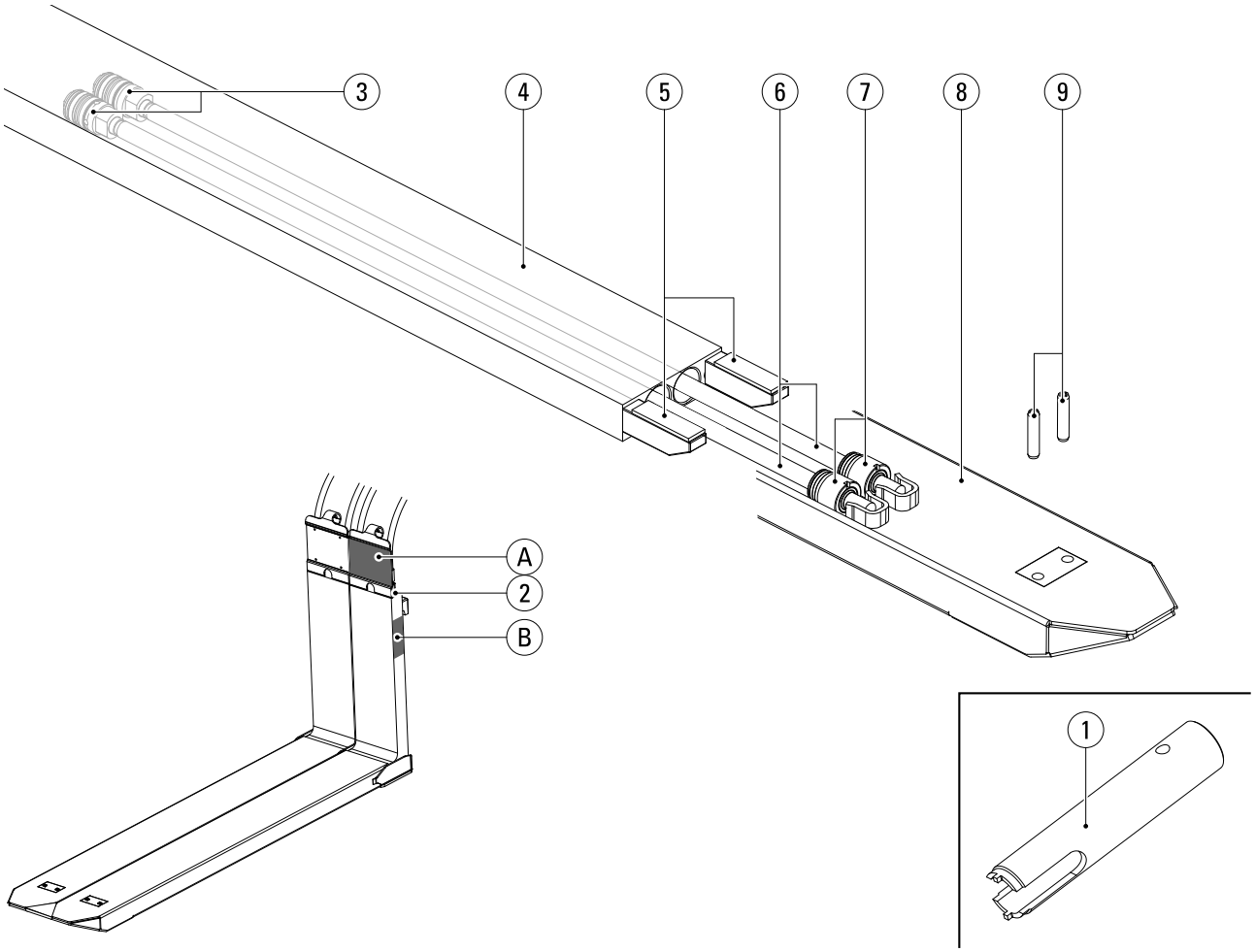
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list RG8



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks			
			RG8-90	RG8-116	RG8-154	RG8-210
1	Cylinder head spanner	RE0058034	1[1]	1[1]	1[1]	1[1]
2	Straight male coupling 12L	RE2017001	8	8	8	8
3	Piston Ø30 (for piston rod Ø18)[2]	RE2008009	2	2	-	-
	Piston Ø30 (for piston rod Ø18)[2]	RE2008010	2	2	-	-
	Piston Ø35 (for piston rod Ø18)[3]	RE2008011	2	2	-	-
	Piston Ø35 (for piston rod Ø18)[3]	RE2008012	2	2	-	-
	Piston Ø35 (for piston rod Ø20)[2]	RE2008011	-	-	2	2
	Piston Ø35 (for piston rod Ø20)[2]	RE2008012	-	-	2	2
	Piston Ø40 (for piston rod Ø20)[3]	RE2008014	-	-	2	2
	Piston Ø40 (for piston rod Ø20)[3]	RE2008015	-	-	2	2
4	Inner fork	[4]	2	2	2	2
5	Wear strip AMPCO	RE0020001	8	8	8	8
6	Piston rod Ø18	[4]	8	8	-	-
	Piston rod Ø20	[4]	-	-	8	8
7	Cylinder Head Ø30 (for piston rod Ø18)[2]	RE2009002	4	4	-	-
	Cylinder Head Ø35 (for piston rod Ø18)[3]	RE2009003	4	4	-	-
	Cylinder Head Ø35 (for piston rod Ø20)[2]	RE2009004	-	-	4	4
	Cylinder Head Ø40 (for piston rod Ø20)[3]	RE2009006	-	-	4	4
8	Sleeve	[4]	2	2	2	2

Replacement parts list RG8 (cont'd)

Pos. Nº	Description	Article Nº	Number of parts per set and type of forks			
			RG8-90	RG8-116	RG8-154	RG8-210
9	Spring pin 55 mm	RE0033015	8	-	-	-
	Spring pin 65 mm	RE0033014	-	8	8	-
	Spring pin 75 mm	RE0033023	-	-	-	8
A	Type plate					
B	Engraved type information and serial number					

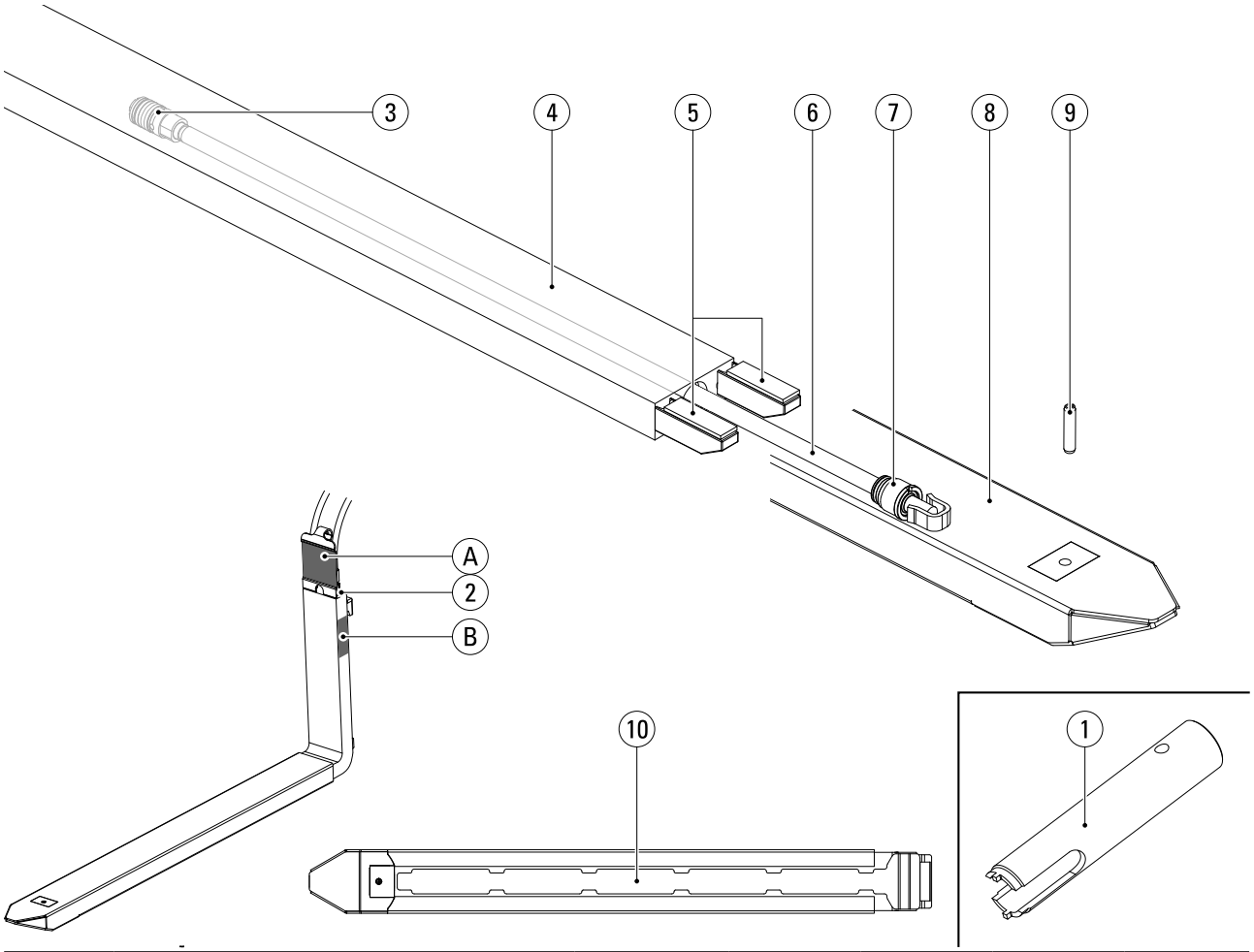
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list RGE2, RGEN2



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks			
			RGE2-20	RGE2-30	RGEN2-30	RGEN2-35
1	Cylinder head spanner	RE0058034	1[1]	1[1]	1[1]	1[1]
2	Straight male coupling 12L	RE2017001	4	4	4	4
3	Piston Ø30 (for piston rod Ø18)[2]	RE2008009	1	1	1	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008011	1	1	1	1
4	Inner fork	[4]	2	2	2	2
5	Wear strip PA6	RE0020000	4	4	4	4
6	Piston rod Ø18	[4]	2	2	2	2
7	Cylinder Head Ø30 (for piston rod Ø18)[2]	RE2009002	1	1	1	1
	Cylinder Head Ø35 (for piston rod Ø18)[3]	RE2009003	1	1	1	1
8	Sleeve	[4]	2	2	2	2
9	Spring pin 55 mm	RE0033015	2	2	-	-
	Spring pin 65 mm	RE0033014	-	-	2	2
10	Wear plate	[4]	2	2	2	2
A	Type plate					
B	Engraved type information and serial number					

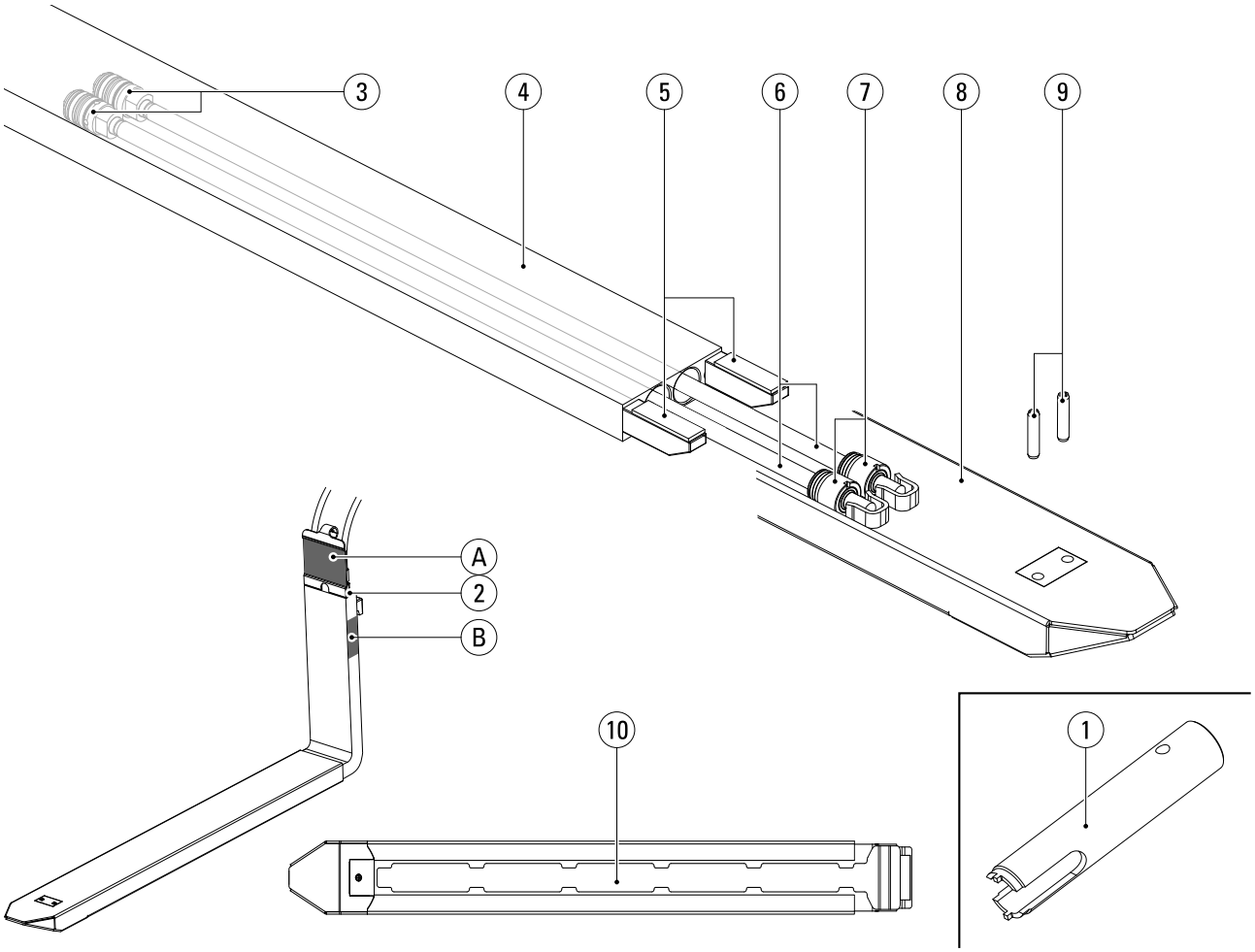
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list RGE4



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks			
			RGE4-25	RGE4-35	RGE4-45	RGE4-58
1	Cylinder head spanner	RE0058034	1[1]	1[1]	1[1]	1[1]
2	Straight male coupling 12L	RE2017001	4	4	4	4
3	Piston Ø30 (for piston rod Ø18)[2]	RE2008009	1	1	1	1
	Piston Ø30 (for piston rod Ø18)[2]	RE2008010	1	1	1	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008011	1	1	1	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008012	1	1	1	1
4	Inner fork	[4]	2	2	2	2
5	Wear strip PA6	RE0020000	4	4	-	-
	Wear strip AMPCO	RE0020001	-	-	4	4
6	Piston rod Ø18	[4]	4	4	4	4
7	Cylinder Head Ø30 (for piston rod Ø18)[2]	RE2009002	2	2	2	2
	Cylinder Head Ø35 (for piston rod Ø18)[3]	RE2009003	2	2	2	2
8	Sleeve	[4]	2	2	2	2
9	Spring pin 55 mm	RE0033015	4	4	4	-
	Spring pin 65 mm	RE0033014	-	-	-	4
10	Wear plate	[4]	2	2	2	2
A	Type plate					
B	Engraved type information and serial number					

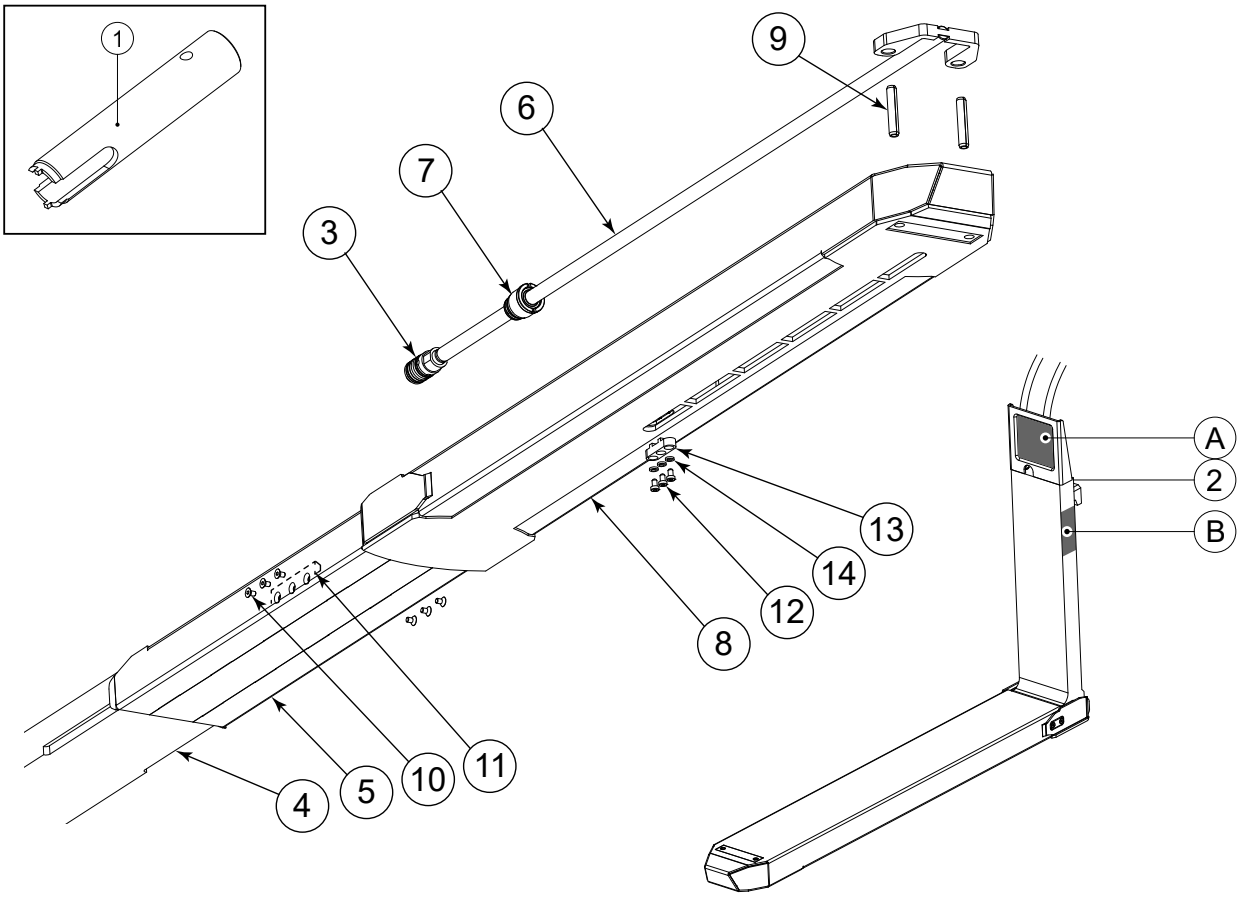
[1]Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2]Parts from **left** fork

[3] Parts from **right** fork.

[4]Article Nº depending on specific model. Please provide serial number when ordering.

Replacement parts list TRG2



Pos. Nº	Description	Article Nº	Number of parts per set and type of forks
			TRG2-30
1	Cylinder head spanner[1]	M00019010	1[1]
2	Straight male coupling 12L	RE2017001	4
3	Piston Ø30 (for piston rod Ø18)[2]	RE2008009	1
	Piston Ø35 (for piston rod Ø18)[3]	RE2008011	1
4	Inner fork	[4]	2
5	Inner sleeve	[4]	2
6	Piston rod Ø18	[4]	2
7	Cylinder Head Ø30 (for piston rod Ø18)[2]	RE2009002	1
	Cylinder Head Ø35 (for piston rod Ø18)[3]	RE2009003	1
8	Outer sleeve	[4]	2
9	Spring pin 65 mm	RE0033014	4
10	Screw	07470 M6x10	12
11	Inner sleeve stop	M00009777	4
12	Screw	M00024309	6
13	Outer sleeve stop	10125213	2
14	Nord lock washer NL6	M00016890	6
A	Type plate		
B	Engraved type information and serial number		

[1] Available separately from KOOI-REACHFORKS® supplier, is **not** supplied a standard with KOOI-REACHFORKS®.

[2] Parts from **left** fork

[3] Parts from **right** fork.

[4] Article Nº 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 4406
Hydraulic Fluid Power – Fluids – Method for Coding the Level of Contamination by Solid Particles

ISO 3834-2
Quality requirements for welding. Fusion welding of metallic materials.

CE
European Machine Directive 2006/42/EC

MEIJER
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