Assembly machines for EO/EO-2 and Triple-Lok®

Machine selection guide

EOMAT assembly is much more cost efficient than manual assembly of EO-fittings. Assembly time and effort are greatly reduced. Proper and consistant pre-assembly support safe and leakfree fitting performance.

EOMAT machines are specifically designed to match EO-2, EO PSR/DPR rings and Triple Lok[®] standards. Assembly is achieved with high precision and repeatability.

EOMAT machines are available in several versions to serve individual applications. All machines are designed for reliable workshop use even under severe construction site working conditions. Tool handling and machine operation are simple.

How to select the ideal EOMAT machine for your application:

Features, advantage and benefits:

- Universal Assembly of EO-2, EO PSR/DPR rings and 37° flaring for Triple-Lok[®] can be done with just 1 machine.
- Efficient With a cycle time of some 12 to 15 seconds the EOMAT machine greatly saves assembly time and effort. The investment pays back quickly.
- 3. **Safe** Proper pre-assembly greatly reduces the danger of leaking fittings or even hazardous tube blow out.

- 4. **Strong** Even 37° flaring of larger sized stainless steel tube is done within few seconds.
- Flexible All tube dimensions from 6 to 42 mm can be used. All common tube materials are covered, even plastic tube (EO-2 and PSR/DPR only).
- Marking notch A special ridge makes a circular mark onto the tube end to verify that it was properly bottomed at assembly. Failures caused by improper tube cutting or bottoming in MOK can be recognised before final installation.
- Reliable For more than 20 years, hundreds of EOMAT machines have operated under heavy duty workshop conditions.

	EOMAT ECO	EOMAT UNI	EOMAT PRO
Assembly method: EO-2 D/PSR/DPR Triple-Lok®	Pressure controlled Pressure controlled	Pressure controlled Pressure controlled Conventional 37° flaring	Pressure controlled Stroke controlled
Tube specification: Material Outside diameter Min. U-bend	Steel, Stainless Steel 6–42 mm 75 mm	Steel, Stainless Steel 6–42 mm 65 mm	Steel, Stainless Steel, copper, nylon PR022 / PR042: 4–22/4–42 mm PR022 / PR042: approx. 35/70 mm
Wall thickness: EO-2/PSR/DPR Triple Lok®	No limitation not applicable	No limitation 6×1 to 38×4 or 42×3 mm (Tube 0.D. × wall thickness)	No limitation -
Operation: Setting	Manual pressure adjustment according to selection chart Depending on: Assembly type; Tube dimension; Tube material	Manual pressure adjustment according to selection chart Depending on: Assembly type; Tube dimension; Tube material	Tool detection and automatic adjustment Manual adjustment of pressure is possible
Process control	Pressure gauge	Pressure gauge	PLC with display
Error detection:	No	No	Warning light and message displayed if deviations in assembly process occur
Memory function	No	No	Memory options for custom application on MOK transponderchip
Oil temperature control Foot operating switch	No Not available	No Not available	Warning light and message displayed Available
Performance Overall cycle time (sec.): E0-2 presetting PSR/DPR presetting 37° flaring	1 Phase/230 V 20 25 -	1 Phase/230 V 12 15 15	400 V, 50 Hz, 3-phase PR022 / PR042: approx. 8/10 seconds PR022 / PR042: approx. 10/12 seconds –
Economic production quantity: Continuous operating: Weight	max. 50 assemblies per day 50 % approx. 30 kg	max. 300 assemblies per day 80 % approx. 66 kg	100 or more assemblies per day 100% approx. 90 kg
Application	Portable machine for repair and workshops	Universal assembly machine for workshop	Cost-effective commercial production

Selection chart EOMAT Pre assembly and Flaring machines



EOMAT ECO Mobile assembly machine for EO-2 and PSR hydraulic fittings



The EOMAT ECO is a portable machine for the assembly of EO-2 and EO Progressive Ring fittings. This electro-hydraulic unit is simple to operate; the assembly pressure is

set on the digital display. The equipment is simple to use, robust and easy to move.

The EOMAT ECO is an ideal piece of equipment for hydraulic service engineers.

Technical data

Application: assembly of Parker EO-2 and PSR **Progressive Ring** fittinas assembly of cutting ring fittings to DIN EN ISO 8434-1 pressure-controlled Process: press operation through assembly tools Drive: electro-hydraulic Assembly EO-2: gap closed corresponds PSR: 11/2 turns of the nut to: Tube steel and material: stainless steel Tube

diameters:	6 to 42 mm
Series:	L and S
Min. U-bend	:75 mm
Speed:	working stroke 15 to
	20 secs, total cycle
	time approx. 20 to 25
	secs
Dimensions:	L 750 × W 360 × H 300
	mm
Weight:	30 kg
Electrical	230V 1-phase
power rating	:50 Hz 700 W

Operation:

for detailed assembly instructions, see our fittings technology technical handbook, chapter E. For safety information, see machine operating manual.

 Install assembly cone and backing plate

- 2. Set the setting pressure on the display in accordance with the chart
- 3. Insert tube complete with nut and ring
- 4. Operate START button and keep pressed
- 5. Hold the tube firmly during the assembly operation and press against the stop
- The assembly operation is complete when the cylinder has travelled back to its starting position
- 7. Assembly inspection and final assembly should proceed in accordance with the operating manual.

Performance:

Economic production quantity: max. 100 assemblies per day.

Туре	Order code
EOMAT ECO basic machine Ready to operate, including operating manual Without tools, no separate assembly fixture required	EOMATECO230V
Bulletin	4046 via Parker catalogue service EMDC
Operating manual UK/DE/FR/IT/ES	EOMATECO/MANUAL
Pressure chart sticker	EOMATECO/CHART
Standard preventive maintenance	EOMATECO/INSPECTION



Setting pressures

ĒO	EOMAT ECO	
Tube-O.D.	EO-2	PSR/DPR
$\sqrt{2}$		
Ø (mm)	P (bar)	P (bar)
6	25	20
8	35	25
10	40	35
12	45	40
14	60	45
15	60	45
16	70	60
18	70	60
20	105	75
22	75	70
25	135	105
28	105	90
30	190	130
35	160	115
38	210	180
42	190	145
	Installation	Installation

The stated values are guidelines. The results of pre-assembly should therefore be thoroughly checked.



General

The EOMAT UNI is an electro-hydraulic machine for the assembly of:

EO-2 EO PSR/DPR and Triple-Lok[®] 37° flared tube fittings.

Compared to manual assembly it greatly reduces assembly time, effort and cost and also guarantees leakfree performance of constant high-quality fitting assemblies.

Common tube materials such as steel (ST 37.4 NBK, ST 52.4 NBK), stainless steel (1.4571/1.4541/316Ti or similar) and copper can be pre-assembled.

The tool range covers all metric tube sizes from 4 to 42 mm outer diameter. The required operating pressure is variable and set at the LED-Display. The unit may therefore be used for a variety of different applications. The tooling for either EO-2/ PSR/DPR pre-assembly or tube flaring may be manually replaced, without the use of tools.

Technical data

Tube diameters: 6-42 mm

Min. U-bend: 65 mm

Series: L and S

Oil:

Esso Nuto H 32 or equal, 3.5L (Reference oil change, see label on unit) Operating pressure: Variable from 15 to 200 bar Dimensions: L 515 mm, W 535 mm, H 285 mm

Performance:

Overall cycletime: 12–15 sec. Economic production quantity: max. 300 assemblies per day

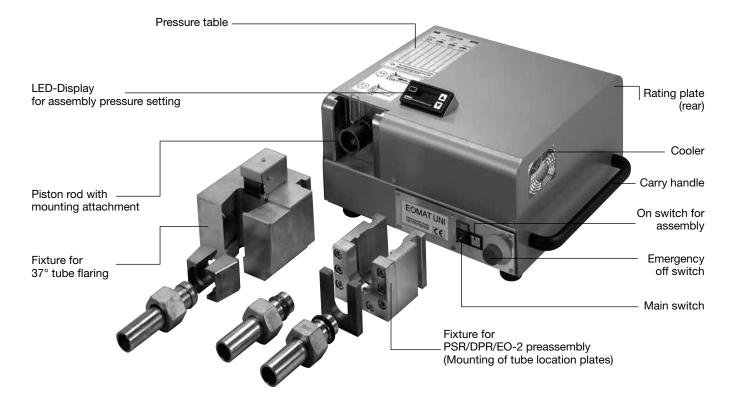
Hydraulic pump: 1.2 kW – 3.7 l/min Electrical connection: 220–240 V/ 1~ / 50 Hz / 9.5 A Connection cable: 5 m – Earth plug Weight: 66 kg

We reserve the right to make modifications in the course of further technical development.

Features, advantages and benefits:

- Universal Assembly of EO-2, EO-PSR/DPR and 37° flaring for Triple-Lok[®] can be done with just 1 machine.
- 2. Efficient With a cycle time of some 15 seconds the EOMAT UNI greatly saves assembly time and effort. The investment pays back quickly.
- Safe Proper pre-assembly greatly reduces the danger of leaking fittings or even hazardous tube blow out.
- Strong Even 37° flaring of larger sized stainless steel tube is done within few seconds.
- Flexible All tube dimensions from 4 to 42 mm can be pre-assembled. All common tube materials are covered.

- 6. Workshop tool At 66 kg, the EOMAT UNI can be brought to an assembly site.
- Marking ridge All MOK tools feature a special ridge in the bottom surface which is designed to make a circular groove into the tube-end at assembly. No mark indicates that the tube-end has not been properly bottomed at assembly.
- 8. **Reliable** For more than 20 years, hundreds of machines are operated under heavy duty workshop conditions.





Basic operation for EO-2 Functional nuts See EO-2 instructions for fitting assembly

- 1. Adjust EO-2 pressure according to chart (A)
- Insert the pre-assembly fixture in the tool mounting (weight approx. 5.5 kg).
- Select the assembly cone (MOK) and backing plate (GHP) in accordance with the tube size and type.
- 4. Place and lock the assembly cone in the tool holder. Place the backing plate in the slot in the fixture.
- Slide the EO-2 functional nut onto the tube, which has been cut off square and deburred.
- 6. Place the tube with the EO-2 functional nut in the pre-assembly fixture between backing plate and assembly cone.
- 7. Press the tube against the stop in the assembly cone. Hold the tube in this position. Press and hold the start button until the pre-assembly process is complete.
- Take the assembled tube connection out of the location plate. See EO-2 assembly instruction (chapter E) for assembly check and installation instructions.
- 9. Check assembly result before final installation.

Basic operation for EO PSR/DPR ferrules See PSR/DPR instructions for fitting assembly

- 1. Adjust PSR/DPR pressure according to chart (A)
- 2. Insert the pre-assembly fixture in the tool mounting (weight approx. 5.5 kg).
 - Select the assembly cone (MOK) and backing plate (GHP) in accordance with the tube size and type. Check the assembly cone using a cone-template.
 - 4. Place the assembly cone in the tool holder. Place the backing plate in the slot in the fixture.
 - 5. Oil the ring, nut and assembly cone.
- Slide the nut and ring onto the tube, which has been cut off square and deburred.
- Place the tube with nut and progressive ring or cutting ring in the pre-assembly fixture between backing plate and assembly cone.
- 8. Press the tube against the stop in the assembly cone. Hold the tube in this position. Press and hold the start button until the pre-assembly process is completed.
- Take the pre-assembled tube out of the backing plate. See EO PSR/ DPR assembly instruction (chapter E) for assembly check and installation instructions.
- 10. Check assembly result before final installation.

Basic operation for 37° tube flaring See Triple-Lok® instructions for fitting assembly

- 1. Adjust Triple-Lok® pressure according to chart (A)
- 2. Insert the tube flaring fixture in the toolmounting (weight approx. 19.5 kg).



- 3. Lubricate the flaring pin.
- 4. Insert the flaring die set corresponding to the tube size.
- 5. Push the nut and support sleeve onto the tube.
- Push the tube through the flaring die hole to the stop plate. To prevent misalignment, longer tubes are to be supported during the flaring process.
- 7. Press and hold START button until flaring process is completed.
- 8. Lift the tube with the flaring die upwards out of the fixture.
- 9. To release the tube, place the flaring die set in the opening provided in the fixture and tilt the tube to one side.
- 10. Check assembly result before final installation.

Important!

Only proceed with pre-assembly when a tube with nut and cutting ring has been placed in the fixture (failure to observe this can result in damage to the tools). Longer tubes are to be suitably supported during pre-assembly. The assembly cones are to be regularly checked for correct dimensions using the cone-template and should be replaced when necessary.

Caution: do not reach into the working area of the pre-assembly fixture while it is operating!

Important!

Do not drive the flaring pin into the flaring die without a tube in position. The roughened surface of the flaring die must be absolutely free of oil and grease to prevent the tube from slipping.

Caution: do not reach into the working area of the flaring fixture while it is operating!



Pressure setting chart A

EDI EOMATUNI Parker			
Tube-O.D.	EO-2	PSR/DPR	Triple-Lok [®]
$\sqrt{2}$			
Ø (mm)	P (bar)	P (bar)	P (bar)
6	30	25	20
8	35	30	25
10	45	35	35
12	50	40	35
14	60	50	45
15	60	50	60
16	70	55	60
18	70	55	70
20	100	80	95
22	80	75	95
25	130	100	105
28	100	90	125
30	180	125	135
35	150	110	155
38	200	170	165
42	180	140	185
	min. 60° max. 90°	~30°	min. 60° max. 90°
Installation			
Steel (ST 37.4 NBK, ST 52.4 NBK,) Stainless Steel (ST 1.4571, 1.4541, 1.4301, 316 Ti,)			

The given values are a guide. The results of pre-assembly and/or tube flaring are therefore always to be checked. For detailed instructions on tube preparation, tool selection, assembly check and final installation see chapter E.



Ordering

Туре	Order code
EOMAT UNI Basic machine Ready to use, including operation manual Filled with hydraulic oil Without EO assembly fixture/Flaring fixture Without tools for EO-assembly/37° flaring Basic machine 230 V, 1 Phase, 50 Hz Rental (monthly usage)	EOMATUNI230V EOMATRENTFEE
Fixture for PSR/DPR/EO-2 assembly	EOMATSCHNEIDRX
37° Flaring fixture for Triple-Lok [®] including flaring pin	EOMATBOERDELBX
EOMAT UNI promotion leaflet UK	4042/UK
EOMAT UNI promotion leaflet DE	4042/DE
EOMAT UNI operating manual UK/DE/FR/IT	EOMATUNI/MANUAL
Standard preventive maintenance	EOMATUNI/INSPECTION

Assembly fixtures, tools, cone-templates, and lubricant must be ordered separately

Assembly tools for PSR/DPR/EO-2 see page H19–H20.

37° flaring tools for Triple-Lok[®] see page H30.

Spare parts

Туре	Order code
Fixing clip for MOK	EOMAT/CLIP
37° flaring pin	EOMAT/FLAREPIN
O-ring for flaring pin	EOMAT/0212500
Tube stop assembly for flaring block	EOMAT/0213800
Pressure chart sticker	EOMATUNI/CHART
Spring for flaring block	EOMAT/0213500
LED Display for pressure adjustment	SCE-025-01



EO PSR/DPR and EO-2 assembly tools for EO-KARRYMAT/EOMAT ECO/EOMAT UNI





Tube locating plate GHP





Cone-template KONU for MOK

Assembly fixture must be installed on EOMAT UNI II/III

Size				Order code		
Series	Tube-O.D.	Assembly cones for EO PSR/DPR MOK	Assembly cones for EO-2 ⁴) MOK	Backing plates GHP	Distance control gauges AKL	Cone-templates KONU
LL ³)	4 6 8 10 12	MOK04LLX MOK06LLX MOK08LLX MOK10LLX MOK12LLX	as MOK for PSR/DPR	GHP04X GHP06X GHP08X GHP10X GHP12X		KONU04LL KONU06LL KONU08LL KONU10LL KONU12LL
L	6 8 10 12 15 18 22 28 35 42	MOK06LX MOK08LX MOK10LX MOK12LX MOK15LX MOK18LX MOK22LX MOK28LX MOK35LX MOK42LX	MOKEO206L MOKEO208L MOKEO210L MOKEO212L MOKEO215L MOKEO218L MOKEO228L MOKEO228L MOKEO235L MOKEO242L	GHP06X ¹) GHP08X ¹) GHP10X ¹) GHP12X ¹) GHP15X GHP15X GHP18X GHP22X GHP28X GHP28X GHP35X ²) GHP42X ²)	AKL06LS AKL08LS AKL10L AKL12L AKL15L AKL15L AKL18L AKL22L AKL28L AKL28L AKL25L AKL22L	KONU06L ¹) KONU08L ¹) KONU10L ¹) KONU12L ¹) KONU15L KONU18L KONU22L KONU28L KONU25L KONU35L KONU42L
S	6 8 10 12 14 16 20 25 30 38	MOK06SX MOK08SX MOK10SX MOK12SX MOK14SX MOK16SX MOK20SX MOK20SX MOK25SX MOK30SX MOK38SX	MOKEO206S MOKEO208S MOKEO210S MOKEO212S MOKEO214S MOKEO216S MOKEO220S MOKEO220S MOKEO230S MOKEO230S	GHP06X ¹) GHP08X ¹) GHP10X ¹) GHP12X ¹) GHP14X GHP16X GHP20X GHP25X GHP25X GHP30X GHP38X	AKL06LS AKL08LS AKL10S AKL12S AKL14S AKL16S AKL16S AKL20S AKL20S AKL25S AKL30S AKL38S	KONU06L ¹) KONU08L ¹) KONU10L ¹) KONU12L ¹) KONU14S KONU16S KONU20S KONU20S KONU25S KONU30S KONU38S

Flaring tools see KARRYFLARE

1) Backing plates, cone-templates and flaring die sets for series L and S for tube outer diameter 6, 8, 10 and 12 are the same.

2) Note: Two-part backing plates for tube OD 35 and 42.

3) Assembly tools for LL-series for EOMAT UNI on request.

4) Special MOK for easy tube insertion. MOK for EO-2 are marked with groove.

Tool mounting rack

Practical rack for storing 10 pieces each assembly cone MOK and backing plate GHP.

Туре	Order code	
Tool mounting rack for GHP and MOK	EOMATWERKZGAUFN.X	

Tool lifetime

Assembly tools are subject of wear and must be regularely (max. 50 assemblies) cleaned and checked (Checking instructions see chapter E). Worn out tools can cause dangerous assembly failures and must be replaced in time. Maximum lifetime can be achieved by following factors:

Regular cleaning and checking

• Clean and corrosion-protected storage

• Proper de-burring and cleaning of tube end

- Proper tool selection and operation
- Use of specified lubricant
- MOK EO-2 don't wear out



Catalogue 4100-10/UK



Ferulok assembly tools for EO-KARRYMAT/EOMAT ECO/EOMAT UNI





Back-up plate

Assembly cone

Size		Order code	
Dash size	Tube-O.D. inch	Back-up plate	Assembly cone
4	1/4	975867-4	976521-4
6	3/8	975867-6	976521-6
8	1/2	975867-8	976521-8
10	5/8	975867-10	976521-10
12	3/4	975867-12	976521-12
14	7/8	975867-14	976521-14
16	1	975867-16	976521-16
20	1 1/4	975867-20	976521-20
24	1 1/2	975867-24	976521-24
32	2	975867-32	976521-32

Assembly tools for inch tube bite type FERULOK. Machine setting according to correspondant size EO DPR.



EOMAT PRO – Economic assembly machine for EO-2 and progressive ring fittings



The EOMAT PRO is a powerful machine for economical and safe tube installations. The device is designed for installation of Parker EO-2 and progressive ring fittings to DIN EN ISO 8483-1 (DIN 2352) with common tube materials (steel, stainless steel, copper, nylon). The EOMAT PRO is fast and quiet. It permits the assembly of very tight and complex tube bends. Automatic tool detection guarantees short set-up times and prevents errors due to setting the device incorrectly. Unlike conventional cutting ring assembly devices, the EOMAT PRO is stroke-controlled and produces accurate and reproducible assembly results.

The EOMAT PRO can be used in automatic or manual mode. In automatic mode, the settings are read from a transponder chip in the tool. The operator cannot change the device settings in automatic mode.

In the display the tube diameter and the type of installation (EO-2 or progressive ring) will be shown.

There is also a useful piece counter which can be reset by the operator.

Other messages can appear about the assembly cones – for example, notifications about routine checks and tool lifetime.

If there is a significant, implausible variation, the display will show an error message. If universal MOK tools are used with universal parameters, this means that only implausible gross deviations will be displayed.

Adaptive assembly cones (MOK-RW) permit the operator to control and set the installation parameters and limits in a few simple steps. In this way the tool is optimized for the specific installation. These individual parameters deliver the best results for the tube material, wall thickness and lubricant used. The device will show slight deviations from the nominal values with a red warning light and a prompt in the display to check the installation. It is therefore possible to detect connections that have been incorrectly installed, check them and remove from the process if needed (e.g. the ring was mounted the wrong way around).

Automatic tool detection, the stored installation values and the display of error messages (red warning light and display) cannot be deactivated in automatic mode by the operator. In manual mode, different installation values can be set. Manual mode is activated using a key switch. The key is supplied with every device.

The device comes in two versions:

- The quick EOMAT PRO22 for tube sizes up to 20-S/22-L. It has a compact assembly head for tight tube bends.
- The powerful EOMAT PRO42 with a robust assembly head for all sizes up to 38-S/42-L.

Technical data

Application:	Economical mass production of Parker EO tube connections Installation of Parker EO-2 and pro- gressive stop ring (PSR) fittings Installation of cutting ring fittings in ac- cordance with DIN EN ISO 8434-1
Process:	Automatic mode PSR: Stroke-con- trolled assembly with plausibility check Manual mode and EO-2: Pressure- controlled assembly without error detection
Installation requires:	EO-2: Gap to be closed PSR: 1½ turns of the union nut Other products: See the manufac- turer's documentation
Tube material:	Steel, stainless steel, copper, nylon
Tube specification:	All permitted tubes for use with Parker EO couplings
Tube diameter:	EOMAT PRO22: 4 to 22 mm (except for EO-2 – 20-S) EOMAT PRO42: 4 to 42 mm
Range:	LL. L and S
Min. U-bend:	EOMAT PRO22: approx. 35 mm EOMAT PRO42: approx. 70 mm
Tool Identification:	Uses RFID technology, the transponder is in the MOK assembly cone
Error detection:	Plausibility check of the installation parameters after installation
Display:	Text messages and warning light
	German, English, French, Spanish, Italian
Display:	Automatic mode: Type of fitting, tube diameter and range Manual mode: Pressure set Piece counter (resettable)
Error messages:	"Check installation result" in the case of non-plausible installation param- eters. Reminder to check the tool after every 50 uses. Reminder to change the tool when the end of its lifetime is reached. Warnings about critical hydraulic oil level and temperature.



Assembly tooling

Speed:	EOMAT PRO 22: ca 1.0 s stroke dis- tance, ca 8–10 s total cycle time EOMAT PRO 42: ca 2.0 s stroke dis- tance, ca 10–12 s total cycle time
Economic	
production quantity:	around 100 assemblies per day
Operating duration:	100%
Noise:	Less than 75 dB (A)
Ambient	
temperature:	0 °C to +40 °C
Storage temperature	: –25 °C to +60 °C
Parameters:	No condensing humidity
Dimensions:	L 620 mm×W 735 mm×H 340 mm
Weight:	90 kg
Operational	
resources:	Esso Hydraulic Oil Nuto H32
	or equivalent (filled for delivery)
Electrical power:	400 V 3-phase 50 Hz 1100 W
Cable:	5 m cable with CEE 16 A phase- inverter plug
Tools:	EOMAT PRO 22: MOK PRO assembly
10013.	cones and MOS compact rear sup-
	ports
	EOMAT PRO 42: MOK PRO assembly
	cones and GHP standard backing
	plates
Lubricant:	EO-NIROMONT
Test equipment:	AKL distance gauges

EOMAT PRO – features, advantages and benefits

- Low unit costs due to its fast and efficient hydraulic drive
- Compact assembly head for tight and complex bends
- Long lifespan of the assembly tools
- Settings are automatically read from the tool
- Stroke-control achieves a consistently good fitting result
- In automatic mode the operator cannot adjust the installation parameters
- A display showing the number of pieces processed and any error messages
- Adaptive tools for optimal installation parameters and the best possible error detection
- Oil volume and the heat capacity is designed to cope with mass assembly under continuous or shift working patterns
- The foot switch allows the operator a high degree of flexibility

Operation

Detailed installation instructions and safety information can be found in the operation manual

- 1. Insert the assembly cone and backing plate
- 2. In automatic mode, the display shows the mounting type and dimensions

- 3. Fit the tube with the union nut and ring
- 4. Press and hold the START button
- Hold the tube securely through the whole assembly process and push it into the limit stop
- 6. The assembly process is finished when the cylinder moves back to the starting position
- 7. Assembly inspection and final assembly is done according to the assembly instructions (see chapter E)

Tool lifetime

Assembly tools are subject to wear, and must be periodically (at least every 50 assemblies) cleaned and inspected (inspection instructions, see chapter E) Worn tools can cause dangerous assembly failures, and need to be replaced in good time. High tool life can be achieved by:

- Regular cleaning and lubrication
- Store protected from dirt and corrosion
- Careful trimming and cleaning of the tube ends
- Proper tool selection and operation
- Use of the recommended lubricant

The MOK PRO assembly cones are made from wear-resistant tool steel, and are therefore suited to mass production. After this lifespan is reached, the display will show that a tool change is needed. The worn tool should be **replaced**, it will no longer work in automatic mode. Worn assembly cones can be used after the end of their expected lifespan in manual mode with care.

Machine/Item	Order code		
EOMAT PRO machine, ready to use, with key for selection switch Auto/Manual, with operation manual, filled with hydraulic oil, without tooling and accessories			
EOMAT PRO22 Tube-OD 4–22 mm 400 V, 50 Hz, 3 Phase Renting (monthly rate) Leasing (2 year hire purchase)	EOMATPRO22400V EOMATPRORENTFEE EOMATPROLEASEFEE		
EOMAT PRO42 Tube-OD 4–42 mm 400 V, 50 Hz, 3 Phase Renting (monthly hire rate) Leasing (2 year hire purchase)	EOMATPRO42400V EOMATPRORENTFEE EOMATPROLEASEFEE		
Accessoires/Item			
EO-NIROMONT Liquid lubricant in a brush-in-cap can (250 cc)	EONIROMONTAPPLICATOR		
Foot switch	FOOTSWITCHSAFETYKIT		
Fixing clamp for MOK	EOMATPRO/CLIP		
Spare key for selection switch	EOMATPRO/KEY		
EOMAT PRO promotion leaflet UK	4043 via Parker Catalogueservice EMDC		
Operation manual UK/DE/FR/IT/ES	EOMATPRO/MANUAL		
Standard preventive maintenance	EOMATPRO/INSPECTION		



Assembly tools for EO fittings

			ÿ	ł	U	4	Destantion		
S	ze	Tool order code							
Series	Pipe OD (mm)	Adaptive assembly cone for progressive ring	Standard assembly cone for progressive ring	Standard assembly cone for EO-2	Backing plate for EOMAT PRO42	backing plate for EOMAT PRO22	Distance gauge only for pro- gressive ring	Cone template for assembly cone	
LL	04 06 08 10 12	MOK04LLPRORW MOK06LLPRORW MOK08LLPRORW MOK10LLPRORW MOK12LLPRORW	MOK04LLPRO MOK06LLPRO MOK08LLPRO MOK10LLPRO MOK12LLPRO	- - - -	GHP04X GHP06X GHP08X GHP10X GHP12X	GHP04PRO GHP06PRO GHP08PRO GHP10PRO GHP12PRO	AKL04LL AKL06LL AKL08LL AKL10LL AKL12LL	KONU04LL KONU06LL KONU08LL KONU10LL KONU12LL	
L	06 08 10 12 15 18 22 28 35 42	MOK06LPRORW MOK08LPRORW MOK10LPRORW MOK12LPRORW MOK15LPRORW MOK18LPRORW MOK22LPRORW MOK28LPRORW MOK35LPRORW MOK42LPRORW	MOK06LPRO MOK10LPRO MOK12LPRO MOK15LPRO MOK18LPRO MOK22LPRO MOK28LPRO MOK35LPRO MOK42LPRO	MOKEO206LPRO MOKEO208LPRO MOKEO210LPRO MOKEO212LPRO MOKEO215LPRO MOKEO218LPRO MOKEO222LPRO MOKEO228LPRO MOKEO235LPRO MOKEO242LPRO	GHO06X GHP08X GHP10X GHP12X GHP15X GHP18X GHP22X GHP28X GHP35X GHP42X	GHP06PRO GHP08PRO GHP10PRO GHP12PRO GHP15PRO GHP18PRO GHP22PRO – – –	AKL06LS AKL08LS AKL10LL AKL12LL AKL15L AKL18L AKL22L AKL28L AKL28L AKL25L AKL42L	KONU06L KONU10L KONU12L KONU15L KONU15L KONU22L KONU28L KONU35L KONU42L	
S	06 08 10 12 14 16 20 25 30 38	MOK06SPRORW MOK08SPRORW MOK10SPRORW MOK12SPRORW MOK14SPRORW MOK16SPRORW MOK20SPRORW MOK25SPRORW MOK30SPRORW	MOK06SPRO MOK10SPRO MOK10SPRO MOK12SPRO MOK14SPRO MOK16SPRO MOK20SPRO MOK25SPRO MOK30SPRO MOK38SPRO	MOKEO206SPRO MOKEO210SPRO MOKEO210SPRO MOKEO212SPRO MOKEO214SPRO MOKEO216SPRO MOKEO220SPRO MOKEO220SPRO MOKEO230SPRO MOKEO238SPRO	GHP06X GHP08X GHP10X GHP12X GHP14X GHP16X GHP20X GHP25X GHP30X GHP38X	GHP06PRO GHP08PRO GHP10PRO GHP12PRO GHP14PRO GHP16PRO GHP20PRO – – –	AKL06LS AKL08LS AKL10S AKL12S AKL14S AKL16S AKL20S AKL20S AKL25S AKL30S AKL38S	KONU06L KONU08L KONU10L KONU12L KONU14S KONU16S KONU20S KONU25S KONU30S KONU38S	
		Programmable with individual parameters for plausibility checks	Programmed with universal parameters without effective error detection	Programmed with universal parameters without effective error detection	Also suitable for EO- KARRYMAT and all EOMAT devices from Parker	Only suitable for the EOMAT PRO 22 device from Parker	To check the assembly result of Parker EO Progressive rings (not for EO-2)	To check wear of MOK assembly cones for progressive rings (not MOK EO-2)	

