

# Parflare ECO

Mobile Flaring Machine for Triple-Lok<sup>®</sup> Hydraulic Fittings

aerospace  
 climate control  
 electromechanical  
 filtration  
 fluid & gas handling  
 hydraulics  
 pneumatics  
 process control  
 sealing & shielding

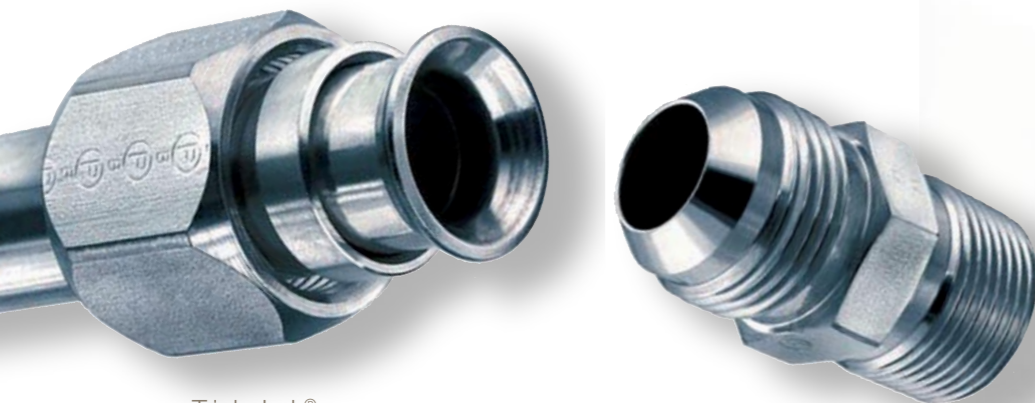


ENGINEERING YOUR SUCCESS.

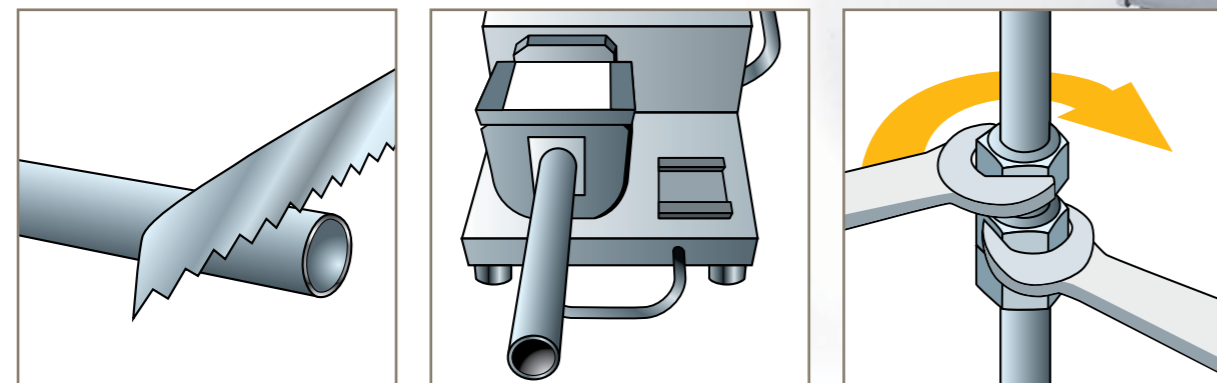
# It's also a piggy bank!

Parflare ECO – Economical. Simple. Safe.

- A full-fledged Triple-Lok® fitting flaring machine at an economical price.
- The Parflare ECO is a mobile machine that flares tube to 37° for Parker Triple-Lok® hydraulic fittings.
- This electro-hydraulic machine is simple to operate, with the flaring pressure being set via a digital display. The machine is simple to use, rugged and easy to transport.
- Because of these features, the Parflare ECO is the ideal machine for hydraulic service technicians.



Triple-Lok®



# Has a competitive edge on site.

## Application areas:

- For the repair and maintenance of hydraulic tubing systems in both workshop and field operations.



## Advantages for the service technician:

- professional flaring
- energy and time savings due to the electric drive
- simple operation
- portable and light
- rugged and mobile

## Purchasing advantages:

- inexpensive
- economical mode of operation
- existing tooling can be used
- unbeatable price-to-performance ratio

The machine is perfectly suited to regular use, but not to high volume production.

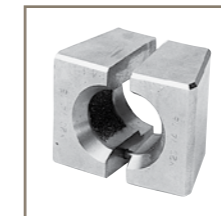


# Technical data

Information makes for safety.

<b>Application:</b>	Flaring tubes for Parker Triple-Lok® hydraulic connectors
<b>Procedure:</b>	Axial forming with flaring pin
<b>Flaring:</b>	37° to DIN EN ISO 8434-2
<b>Tube material:</b>	Steel and stainless steel tubing
<b>Tube diameter:</b>	6 to 42 mm / ¼" to 1 ½"
<b>Speed:</b>	15 to 20 sec. cycle time/approx. 20 to 30 sec. total cycle time
<b>Economical production quantity:</b>	max. 100 assemblies per day
<b>Dimensions:</b>	750 x 360 x 300 mm
<b>Weight:</b>	30 kg
<b>Electrical power rating:</b>	230V single phase 50 Hz 700W

Order Type	Order code
Parflare ECO basic machine, ready to operate including operator's handbook, without tools	PARFLAREECO230V
Brochure	BUL/4048/DE via Parker catalogue service EMDC
Operator's handbook UK/DE/FR/IT/ES	PARFLAREECO/MANUAL
Pressure chart sticker	PARFLAREECO/CHART
Spare flaring pin	KARRYFLARE/FPIN/KARRYFLARE/FPIN42



Flaring die set M1574

37° flaring dies for EO-KARRYFLARE, Parflare ECO and EOMAT UNI, II and III flaring machines

Dies for metric tubing	
Tube o.d. in mm	Ordering reference
6	M157406-1
8	M157408-1
10	M157410-1
12	M157412
14	M157414
15	M157415
16	M157416
18	M157418
20	M157420
22	M157422
25	M157425
28	M157428
30	M157430
32	M157432
35	M157435
38	M157438
42	M157442

## Flaring die life

Flaring dies are subject to wear and must be regularly cleaned and checked (after max. 50 assemblies). (See chapter E in catalogue 4100 for maintenance procedure). When correctly used, average life is approx. 5,000 flares. Good tool life is achieved by observing the following:

- regular cleaning and oiling
- protection from dirt and corrosion when in storage
- careful de-burring and cleaning of tube ends
- correct tool selection and operation
- use of correct lubrication

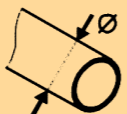
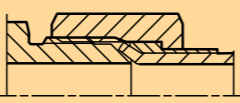
Flaring diameters to ISO 8434-2/SAE J514 for Triple-Lok®. The Parflare ECO flaring pin is integrated in the machine. The flaring pins are **not** interchangeable with Parflange® tools for the 1025/1040/1050 machines.

# Parflare ECO Flaring Pressures

## Operation:

See chapter E of detailed operator's handbook 4100. For safety advice see machine handbook.





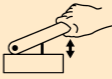
















1. Insert die valves and close cover
2. Set the recommended flaring pressure in accordance with the chart on the display
3. Insert tube with retaining nut and sleeve
4. Push START button and keep depressed
5. Keep a firm hold of the tube throughout the complete flaring procedure
6. The flaring procedure is finished when the cylinder has returned back to its start position
7. Flaring inspection and final assembly should be in accordance with the assembly handbook

Tube OD		
Ø (mm)	Ø (inch)	Triple-Lok®, P (bar)
6	1/4	20
8	5/16	25
10	3/8	35
12	1/2	35
14		45
15		60
16	5/8	60
18		70
20	3/4	95
22		95
25	1	110
28		130
30	1 1/4	140
35		165
38	1 1/2	180
42		200



# Flaring machines in profile.

High quality machines for various applications, always achieving professional results.

Method	Machine	Process/duration	Recommend production quantity	Triple-Lok®
Hand Flaring		120 sec. 	max. 10/week 	only for field repairs and smaller installations, not for high volume production
Flaring with KarryFlare		60 sec. 	max. 50/day 	ideal for field repairs and smaller installations, not for high volume production
Flaring with Parflare ECO		30 sec. 	max. 100/day 	ideal for field repairs and smaller installations, not for high volume production
Flaring with EOMAT UNI		30 sec. 	max. 300/day 	for workshop flaring, Parflange process preferred
Flaring with Parflange® 1025		45 sec. 	max. 50/day 	ideal for workshop flaring, not recommended for high volume production, not suitable for stainless steel tubing over 25 mm o.d.
Flaring with Parflange® 1050 BASIC		30 sec. 	max. 500/day 	ideal for workshop flaring and high volume production
Flaring with Parflange® 1050 PRO		30 sec. 	max. 1200/day 	ideal for workshop flaring and mass production

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