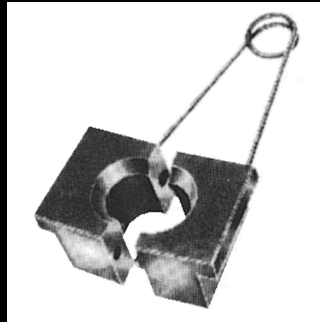


Parker Product Datasheet



Parflange® 1025 and Parflange® 50 are orbital flaring machines designed to coldform high pressure tube connections for O-Lok® and Triple-Lok®. The rolling deforming method results in a very rigid high-pressure tube connection.

PART NUMBER: M27412
TUBE OUTSIDE DIAMETER: 12 mm
PRODUCT TYPE: Vice block for metric tubes

PRODUCT OVERVIEW

By deforming the tube end by rolling rather than by just pushing a tool into the tube end the Parflange® machines achieve a high strength joint with a polished surface of the tube end resulting in a very rigid high-pressure tube connection.

Industries:

- Automotive
- Defence
- Energy
- Environment
- Industrial
- Infrastructure
- Machine Tools
- Materials Handling
- Mobile
- Oil and Gas
- Power Generation

- Transportation

Features/ Benefits:

- Superior sealing performance – The Parflange® process achieves a sealing surface of unique surface quality and mechanical strength.
- Superior vibration resistance – Unlike conventional flaring, the Parflange® process results in a rigid connection of the O-Lok® sleeve on the tube end. Parflange®/O-Lok® connections perform much better under reversed bending stress conditions.
- Easy to use – No programming or adjustments necessary. High quality results are consistently achieved without manual adjustments.
- Cost saving – Compared to brazing or welding, orbital flanging is much less time consuming. Special tube preparation and finishing are not necessary. Flanging uses only a fraction of the energy needed for brazing or welding.
- Clean – The Parflange® process is environmental clean and safe. As no heat or chemicals are used, hazards from fumes or heat do not occur.
- Zinc plated tubing. The Parflange® process allows the use of zinc-plated tubing. The cost for cleaning, post process plating or painting is saved.
- Process/Product concept – Parflange® machines are especially designed to match Parker O-Lok® and Triple-Lok® standards. Machine, tools and products are fine-tuned for reliable performance.

Applications:

Parflange® 1025:

- Ideal for projects and workshop use and maintenance High quality result and no mass production or on-site repair jobs where 3phase power supply is not available
- Maximum tube capacity 25 × 4 mm/1" (steel tube) and 25 × 2.5 mm/1" Parker tube 1.4571 (tube made from other material has to be checked).
- Quick and easy change of tooling and the simple operation without manual adjustments or programming.
- Transportable so that it can be moved to any assembly site with electrical power supply.

Parflange® 50

- Top-of-the-range machine for orbital flaring & flanging of O-Lok® and Triple-Lok® tube assemblies.
- BASIC: Efficient production machine for low-cost and high-quality assembly.
- PRO: Efficient mass production machine for low-cost and high-quality assembly.
- Robust design and the precise process control, for consistent high quality results and high productivity.
- Machine housing, cycle programming and all operating elements designed for good ergonomics, optimum workflow and highest security.

- Compact unit and housing allow the forming of small and complex tube bends.
- Long tool lifetime achieved by the automatic lubrication system as well as easy visibility and accessibility of the tooling area.
- Integrated tool compartments and designated space for bins for nuts and sleeves for comfortable and efficient work.

TECH SPECIFICATIONS

DIVISION

High Pressure Connectors Europe Division