

HYDRAULIC DIN-FITTINGS FOR HIGH PRESSURE CONNECTIONS

Your complete fitting series to ensure leakage-free and corrosion resistant tube connection systems

Features:

- **Application:** General hydraulic applications, H2 (stainless-steel fittings)
- **Markets:** Automotive, Defense, Energy, Environment, Industrial, Infrastructure, Machine Tools, Materials Handling, Mobile, Oil and Gas, Power Generation, Process, Transportation, Water
- **Construction Material:** Steel, Stainless Steel or Brass
- **Systems:**
 - EO-PSR: Progressive stop ring for steel fittings
 - EO-DPR: Progressive ring for stainless-steel fittings
 - EO-2
 - E02-FORM

Advantages:

- **Support and availability:** Parker supports you in every step of the implementation of your fitting series to ensure the highest quality for your hydraulic connection. Through a widely spread network of Parker authorized partners, Parker DIN-fittings are available worldwide and on-demand.
- **High corrosion resistance through TSP:** ToughShield Plus is the first fluid power industry commercially available standard plating system to provide up to 3,000 hours of resistance to red corrosion per ASTM B117 neutral salt spray testing, making Parker steel fittings even more resistant against corrosion.
- **Versatility:** Parker DIN fittings are available in different materials such as steel, stainless-steel or brass, operate under pressures up to 800 bar, resist temperatures between -60°C to 400°C, and come with different types of sealing material (NBR, FKM), making them adaptable to your hydraulic connection.
- **Safer assembly and over-tightening protection:** Two distinctive cutting edges provide a progressive increase of the tightening torque of the EO-PSR. The noticeable end point of assembly and special geometry of EO-PSR contributes to maximum safety of assembly and prevents over-tightening.



Benefits:

- **Reduced TCO:** Reduced faulty assemblies, less claims, products made in Germany to ensure highest quality standards, and zero-risk reusability of EO-2 and E02-Form fittings after disassembly reduce total costs of ownership throughout the entire product lifecycle.
- **Increased reliability:** High corrosion resistance and reduced faulty assemblies through Parker support material and training increase the reliability of your fluid or gas connection, which reduces downtime, maintenance, and repair costs.
- **Enhanced efficiency:** Compared to welding or brazing, E02-Form is much less time consuming. Special tube preparation and finishing are not necessary. Forming uses only a fraction of the energy needed for brazing or welding.

Disclaimer:

- Please note that the before-mentioned benefits are not specific for one Series only. Individual series may have other characteristics that lead to different benefits.

Type	EO (PSR/DPR) Metal seal bite type	EO-2 Soft seal bite type	EO2-Form Tube forming
Sealing method	Metal seal	Elastomeric seal	Elastomeric seal
Performance seal reliability	Very good	Excellent	Excellent
Tube compatibility	Metal and plastic tube (Steel, stainless steel, copper, aluminium, polyamide...)		Steel, stainless steel, copper alloy
Assembly	Excellent	Excellent	Good
Tube preparation	Good	Very good	Excellent
Installation	Very good	Excellent	Use EO-2
Field repair			
Current use	Most popular fitting for metric tube		Heavy duty alternative to EO/EO-2 and EO weld nipple
	Traditional bite type fitting - new designs	Global popularity for all	
Typical applications	General use in hydraulic, pneumatic, lubrication and coupling systems		General use in high pressure applications
	Agricultural equipment Process engineering	Hydraulic presses Injection molding Mobile equipment Heavy machinery Ship building	Hydraulic presses Injection molding Mobile equipment Heavy machinery Ship building

Interested?

Contact your local Parker Hannifin distributor today to learn more about how Ermeto DIN fittings can elevate the performance and reliability of your hydraulic systems.

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Print Reorder Number 05/2024

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