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[Part #](#) ROV42LCF



EO-PSR fittings produce high pressure, leak-free tube connections and components in hydraulic systems. The main feature of EO-PSR (acc. DIN 3861, DIN 2353) is the controlled progressive bite into the tube, due to a unique geometry.

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## Technical Specifications

Body Material:	Steel	Shape:	n/a
Product Style:	Blanking Plug for Tube ends	Connection Type:	Male, 24° Cone
Seal Material:	n/a	Connection Size:	42 mm (Tube O.D.)
Brand:	Ermeto	Specifications Met:	DIN, ISO 8434
Division:	High Pressure Connectors Europe Division	For Fluid Type:	Hydraulic Fluids, Chemical Fluids, Fuels, Gases, Steam
Technology:	Fluid & Gas Handling	Accessories Included:	Pre-assembled with nut and EO-PSR cutting ring
Connection Type:	Male 24° Cone	Body Material:	Steel
Industry:	Agriculture, Automotive, Construction, Industrial Manufacturing Equipment, Marine, Material Handling, Transportation	Seal Type:	Sealing Edge
Connection Size:	42 mm O.D.	Seal Material:	n/a
Application:	Industrial, Hydraulic	Maximum Ambient Temperature:	300 °C, 572 °F
Product Type:	Hydraulic DIN Fittings	Minimum Ambient Temperature:	-40 °C, -40 °F
Product Style:	Blanking Plug, for Tube ends	Maximum Fluid Temperature:	300 °C, 572 °F
Product Series:	EO Light	Minimum Fluid Temperature:	-40 °C, -40 °F
Configuration:	n/a		
Maximum Operating Pressure:	160 bar		

[Safety Warning](#)

## Item Information

EO-PSR - Ermeto Original Progressive Stop Ring fittings (acc. DIN 3861, DIN 2353) produce the high pressure, leak-free connections of tubes, components in hydraulic systems for reliable, trouble-free functioning of the entire units. With its basic function, the controlled progressive bite of EO-PSR into the tube, due to its unique internal geometry, is perfect for a broad range of applications, markets.



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### Solutions

Features/benefits of the EO-PSR fitting range:

- Wide pressure:** EO-PSR can be used in applications of up to 800 bar (S series) and 500 bar (L series). Stretches the range of applications.
- **EO-LUB:** Due to the special treatment of larger sized nuts (25S/28L and larger), the tightening torques of EO-PSR fittings have been reduced by 25%. Eases and speeds up assembly. Prevents under-assembly.
  - **Over-tightening protection:** The special geometry of the EO-PSR prevents the over-assembly of EO-PSR fittings. Helps to avoid cost and time-consuming repair.
  - **Spring effect:** Cost reduction because of the spring effect; re-tightening of the fitting is not necessary.
  - **Safe assembly:** Maximum safety of assembly - two distinctive cutting edges provide a progressive increase of the tightening torque of the EO-PSR. The noticeable end point of the assembly process contributes to maximum safety of assembly.
  - **Multifunctional ring geometry** - prevents over-tightening and additional costs for repair.
  - **Procurement is easy and fast.** EO-PSR is available worldwide.
  - **Fast, easy and safe assembly** - meets the requirements of the applicable standards for 24° cutting ring fittings.

Applications:

- Mobile hydraulics – hydraulic drive units, working hydraulic systems
- Power Generation – compressor stations in gas pipelines

## CAD Drawings + Files



## Related Documents



## Related Products



Ermeto DIN fitting components for high pressure hydraulic tube fittings



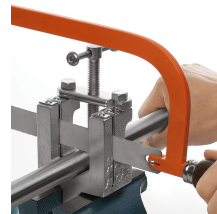
Accessories for Ermeto hydraulic DIN fittings



Seamless EO tubes and tube bends



Assembly tools for EO assembly machines



Cutting and bending tools



Lul ass



Parker Sales Company UK

[psc.uk.webform@support.parker.com](mailto:psc.uk.webform@support.parker.com)

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