

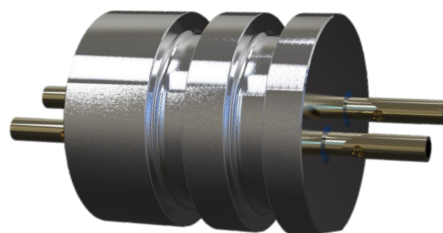


Hermetic Electrical Feedthroughs and Connectors



Developed to withstand prolonged exposure to aggressive media such as oil, mud, chemicals and salt water. The products are qualified to perform reliably from **-55° C** to **+300° C** and at pressures up to **40,000 psi**, making them an ideal solution for space, subsea, and downhole environments.

The products are easily installed into wellheads, manifolds, pipes, pressure vessels, and in ROVs and UUVs. These high performance penetrators, feedthroughs, and connectors are available in single and multi-pin configurations. OFFP's experienced and agile design team offers bespoke solutions to customer demands.



Applications

- Oil-and-Gas Industry
- Sub-Sea Exploration
- Submarine Telecom
- Com and Mil Aerospace
- Defence and Sensing
- Energy Applications
- Industrial Applications

Features

- Resistant to extreme pressures
- Wide operating temperatures
- Suitable for harsh environment
- Custom or industry standard designs
- Value added cabling, boots, O-rings, and custom packaging
- Hybrid electro-optical assemblies



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Hermetic Electrical Feedthroughs and Connectors



Properties	Specifications
Dimensions	As required, any form factor
Housing Materials	Stainless steel (316L, 304L), Inconel (718, 625)
Sealing Materials	Soda lime and Borosilicate glasses
Contact Materials	Alloy 52, Copper-cored Alloy52, Kovar, Inconel (718, 625, 600)
Pin Count	1 - 200+
Metal Finish	Electropolished or Ni/Au plated
Maximum Pressure	Up to 40,000 psi
Operating Temperature	-55° C, +350° C
Insulation Resistance	10 G Ω at 500 V DC
Dielectric Withstand	Up to 2,000 V DC
Leak Rates	Down to 10 ⁻⁹ cc/sec He at 1 atm
Design Lifetime	25 years
Environment	Oil, gas, mud, salt water, etc.
Connectorisation	Mil-std (38999, 26482, etc.) or custom



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