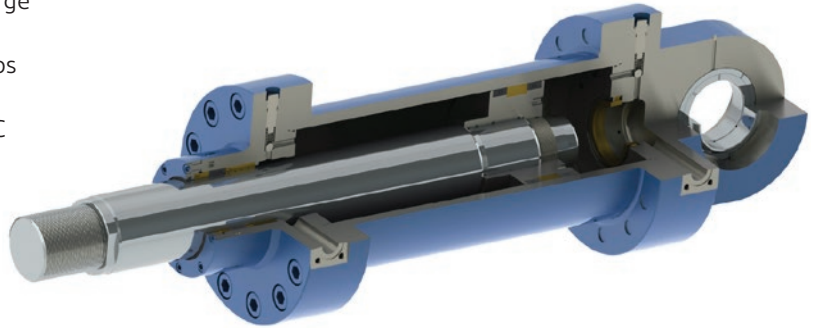


DuPont™ Kalrez® Spectrum™ 7075 Perfluoroelastomer Parts

O-Rings in heavy duty clamping systems

Hydraulic Stationary Clamping systems are used to fasten large dies to the bed/ram of presses and allow operators to clamp or unclamp the die easily with a control switch. These clamps use high forces of 25 – 1250kN to secure dies that are under extreme conditions including high temperatures up to 250 °C and high pressures of up to 400 bar.

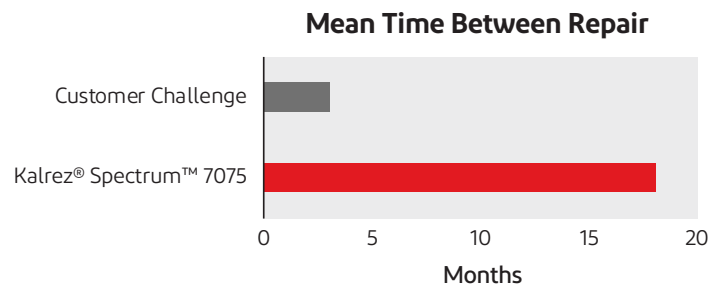
It is critical to have proper sealing in these applications to prevent leakage and maintain the safety of the operators running this equipment.



- **Chemicals and cleaning:** Ester- based hydraulic oil
- **Process conditions:** Max. 250 °C
Max. 400 bar
- **Incumbent solution:** Various competitive materials
- **Performance challenge:** Insufficient lifetime
Mean Time Between Repair (MTBR): a few months

Kalrez® Spectrum™ 7075 benefits:

- O-Rings extended the service intervals of the pressure cylinders and were still in good condition after 1.5 years
- This resulted in reduced downtime, lower maintenance costs, increased MTBR and higher yields for the end users



The performance is based on tests performed by the customer. This data should not be used to establish specification limits.

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