Sealing Solutions for Defence Applications

ceetak
SEALING SOLUTIONS

Product Overview

O-Rings

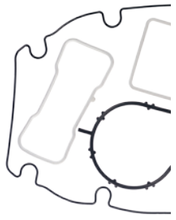
Available in all international standard ranges and custom sizes. This includes continuously moulded very large diameter O-Rings, in the complete range of elastomer materials to suit all environments and fluids.

Moulded Seals & Gaskets

Bespoke fully engineered elastomeric components and gaskets for sealing, exclusion and protection whilst optimising space envelope and reducing component count within assemblies.

Metal Seals

For very high temperature or pressure applications beyond the capabilities of elastomer and PTFE seals, with standard and custom O, C and E profiles available in a range of base metals and coatings.



Environmental Seals

Custom mouldings for IP rated sealing of hatches, covers, battery packs, switches and panels, with push-in-place seal retention technology providing assured initial assembly and refitting in-service.

PTFE Seals

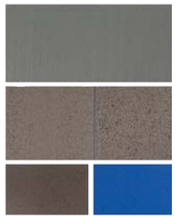
Spring and elastomer energised PTFE seals for linear and rotary dynamic duty, providing low friction, low heat generation, smooth operation and high chemical resistance across a wide temperature range.

Bonded Components

Rubber-to-metal and rubber-to-plastic parts providing component integration, hardware size optimisation, ease of assembly and flexibility of design, including full two-shot rubber-plastic mouldings.

Rotary Seals

Complete range of standard and custom elastomeric and PTFE shaft seals for oil, grease and fluid sealing and protection against contaminant ingress on gearboxes, drives and other rotary equipment.



RFI/EMI Shielding Materials

Carbon and metallic loaded elastomers to provide electrical flow paths through sealed interfaces, or for RFI and EMI shielding of sensitive electrical equipment and components.

ISO9001:2015 & ISO14001:2015 approved with manufacturing IATF16949:2016 & AS9100 certified.

Range of materials developed and approved for defence applications.

Design & quality control systems ensure our products meet your specification.

Variety of products for all application conditions.

Why choose us as your seal supplier?

- **Specialised kitting of products**
- **Dedicated logistical support**
- **Rapid turnaround on projects**
- **Quick lead times**
- **Shelf life & product expiration requirements**

Land

Equipment

- Armoured Personnel Carriers
- Protected Patrol Vehicles
- Radar & Communications Devices.

Typical Application Areas

Engines, Gearboxes, Steering Systems, Brakes, Suspension, Swivel Turret Systems, Fuel Storage and Delivery, Hatches, Enclosures, Switch Covers and Access Panels.

Our Sealing Solutions

O-Rings, Push-In-Place (PIP) Gaskets, Shaft Seals, Lip Seals, Dynamic PTFE Seals, Metal Seals, Rotary Seals, Bonded Washers, Frame Seals and Moulded Gaskets.

Gearboxes / Engines

Products: Rotary Seals, O-Rings & Moulded Gaskets.

Swivel Turret Control

Products: PTFE Seals, Moulded Seals and Gaskets.

Suspension / Brakes

Products: PTFE Seals, O-Rings, Metal Seals & Bonded Seals.

Enclosures, Switch Covers, Hatches & Access Panels

Products: Moulded Seals, Gaskets, O-Rings, Environmental Seals & Conductive Seals.

Sea

Equipment

- Aircraft Carriers
- Surface Fleet
- Submarines
- Fast Patrol Boats
- Landing Craft
- Support Vessels

Typical Application Areas

Engines, Gearboxes, Shaft Lines, Stabilisers, Control Surfaces, Access Hatches and Panels, Sonar, Radar, Communications, Countermeasures, Fuel Systems and Fire Suppression.

Our Sealing Solutions

O-Rings, Push-In-Place (PIP) Gaskets, Shaft Seals, Lip Seals, Dynamic PTFE Seals, Metal Seals, Rotary Seals, Bonded Washers, Frame Seals and Moulded Gaskets.

Gearboxes / Engines

Products: Rotary Seals, O-Rings & Moulded Gaskets.

Stabilisers

Products: PTFE Seals, O-Rings & Rotary Seals.

Sonar / Radar

Products: Conductive Seals, Environmental Seals, Moulded Seals & Gaskets.

Fuel Systems / Fire Suppression

Products: O-Rings, Moulded Seals, Gaskets & PTFE Seals.

Air

Equipment

- Unmanned Aerial Vehicles (UAVs)
- Surveillance Aircraft
- Satellites
- Radar & Communications Devices

Typical Application Areas

Flight Control Surfaces, Propulsion, Fuel Storage and Delivery, Electronic Systems, Enclosures, Switch Covers and Access Panels.

Our Sealing Solutions

O-Rings, Push-In-Place (PIP) Gaskets, Lip Seals, Dynamic PTFE Seals, Metal Seals, Rotary Seals, Bonded Washers, Frame Seals, Moulded Seals and Gaskets.

Flight Control Surfaces

Products: Custom Moulded Seals, Gaskets, PTFE Seals.

Propulsion / Fuel Storage

Products: O-Rings, Moulded Seals, Gaskets & Conductive Seals.

Electronic Systems

Products: Conductive Seals, Moulded Seals & Gaskets.

Enclosures, Switch Covers and Access Panels

Products: Moulded Seals, Gaskets, O-Rings, Environmental Seals & Conductive Seals.

Engineering & Design

Unrivalled design and engineering support means you benefit from the best possible sealing solution at optimum cost.

- Experienced application engineers support every project from concept to approval
- Complete seal design service
- Initial seal geometry and profile choice
- Material selection and development
- 3D CAD and FEA Simulation
- 3D printing for concept testing
- Prototyping through to final production
- Online Technical Hub and interactive tools

Quality Assurance & Manufacturing

We maintain strict quality procedures at all stages of our design, development and manufacturing processes.

- Seals and materials available to recognised defence, aerospace and industry specifications, including MIL, MS, AS, MOD, ASTM and SAE requirements.
- ISO9001:2015, ISO13485:2016 and ISO14001:2015 certified.
- Manufacturing approved to IATF16949:2016 & AS9100
- Worldwide network of global manufacturing facilities
- We can meet required critical shelf life specifications

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JOSCAR Accredited Supplier

Ceetak is a JOSCAR accredited supplier, demonstrating our commitment to the high standards of compliance, quality and supplier assurance expected across the defence, aerospace and security sectors.

Our JOSCAR registration provides independently validated supplier information, supporting efficient pre-qualification and greater confidence throughout the defence supply chain.

Our Vision & Values

Our Values = The Ceetak Advantage

Exceeding customer expectations is at the heart of our business. The Ceetak Advantage is not just a term; it is implicit in our business model.

Quality culture is embedded within our company enabling highest quality standards across all of our products, engineering, technologies & supply chain solutions.

The indisputable passion of our people comes through in everything we do.

We are constantly researching, monitoring and adapting to meet the demands of ever-changing technologies (and unknowns!) of the future.

Our ability to move flexibly and quickly whilst maintaining exceptional quality is second to none.

Highly regarded technical competence & engineering capability focusing on optimum sealing solutions and bespoke systems across wide-ranging market sectors.

Customers gain real commercial value by working with Ceetak.

It's what we call the 'Ceetak Advantage'. Customers can count on this advantage because it is the set of values that defines our culture.

These values ensure we provide our customers with the very best sealing solutions for technologies of today and for the future.