

HR Smith
Group of Companies

Conductive Sealing Gaskets Series 10-500-11

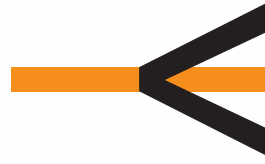
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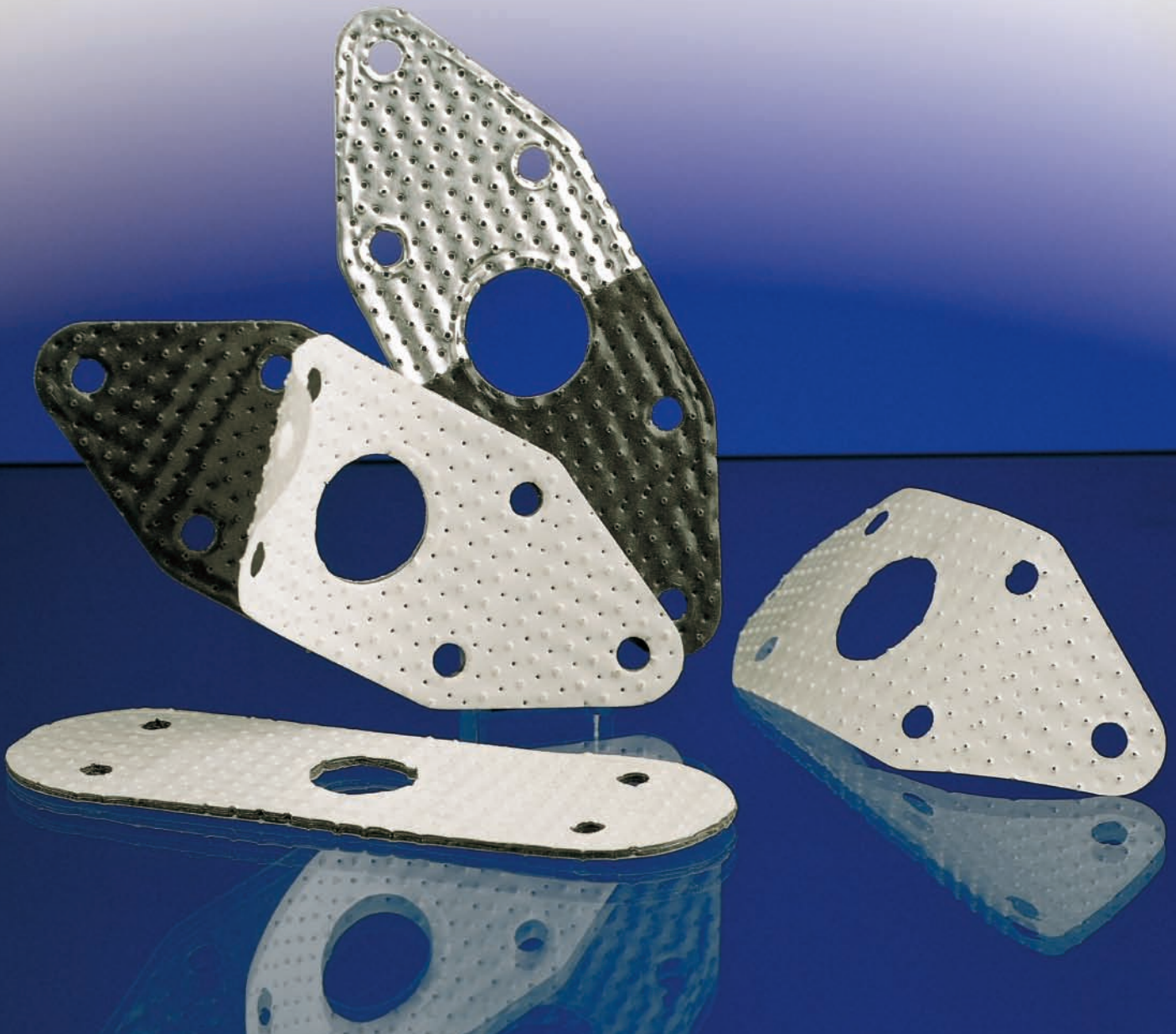
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HR Smith
(Technical Developments)
Limited

Advanced
airborne
antenna
systems



Conductive Sealing Gaskets

Series 10-500-11

- Documented operational reliability
- Proven corrosion resistant performance
- Unrivalled DC and RF conductivity
- Lightweight
- Easy installation
- Low life cycle cost

The 10-500-11 Series Conductive Sealing Gaskets are now a required fit within NATO Air Forces. Their benefits are also enjoyed by Defence Forces and civilian users worldwide.

Modern electrical and RF systems require that joints between metallic surfaces remain in good electrical contact and free from corrosion.

The 10-500-11 Series Conductive Sealing Gaskets provide the most simple and cost effective means of

producing the reliable, good quality electrical, corrosion free joints that are essential for advanced RF systems.

The gasket consists of highly conductive metal film specifically contoured to provide multi-point metal to metal contact, thus reducing RF circulatory currents. Two types of conductive sealing gaskets are provided, a wet fit gasket using state of the art elastomeric sealant and a dry fit using closed cell adhesive foam which provides a moisture free joint during installation. The pressure exerted during installation also gives a unique self contouring feature to the gaskets. The gasket precisely forms itself to the two metallic surfaces ensuring consistent distribution of conducting contacts over non parallel surfaces. The resulting moisture free contoured RF seal needs no maintenance.

The 10-500-11 Series Conductive Sealing Gaskets have been subjected to extensive testing and with years of successful operational service in the most severe naval, land-based and airborne environments have proven market leading performance and reliability.

Frequent areas of use

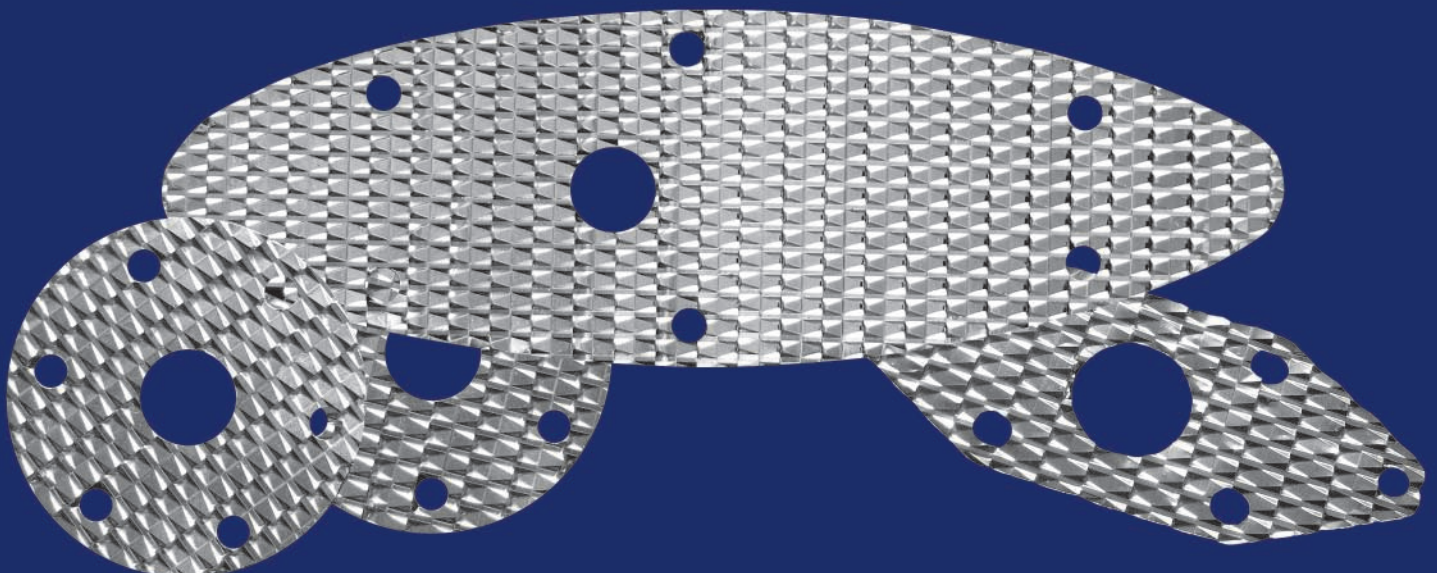
- Antenna mounting
- Avionic racking
- Airframe access panels
- Microwave waveguides
- E.M.I. suppression on aircraft and missile systems
- Avionic packaging

The wet fit and dry fit gaskets have the following part numbering system:

10-500-11-XXX for wet gaskets, where XXX denotes gasket application

10-500-11A-XXX for dry gaskets, where XXX denotes gasket application

Technical advice can be provided on the suitability of 10-500-11 Series Conductive Sealing Gaskets for your particular application.



Above: wet fit gaskets Reverse side: dry fit gaskets