



Roxtec WaveGuide Seal ES (Welded)

Penetration seal for electromagnetic shielding, for fiber optic cables.

The Roxtec WGS ES is designed for routing non-metallic fiber optic cables into a shielded enclosure while maintaining the enclosure's electromagnetic integrity. The waveguide seal protects electronics from electromagnetic threats such as EMP and HEMP. The solution offers both environmental protection and electromagnetic shielding in a single solution. It is a high-performance product, based on a waveguide technique, offering minimum 100dB shielding effectiveness. This version is for welding to the structure. The sealing modules can be adapted to different sizes of fiber optic cables and can also be used to build in spare capacity in the transit.



- Quick and easy to install
- Easy to maintain and inspect

Product characteristics



Fire rated



Watertight



Gas-tight



IP/UL NEMA



EMI protection

Structure of installation



Metal

Mounting type



Welding

Ratings & certificates

Fire

- A-CLASS according to IMO 2010 FTP Code

Tightness

- Gas: 0.67 bar (catastrophic)
- Water: 2.5 bar (catastrophic)
- IP 66/67

Supports

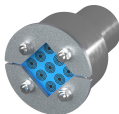
- Electromagnetic shielding

Pre-configured transit kits

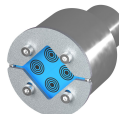
mm/kg



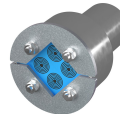
WGS ES 10GHz/4 W AISI316



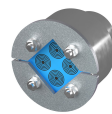
WGS ES 10GHz/9 W AISI316



WGS ES 18GHz/4 W AISI316



WGS ES 6GHz/4 W AISI316



WGS ES 1GHz/4 W AISI316

Product	Configuration	Aperture dimensions Ø	Weight	Art. no
WGS ES 10GHz/4 W AISI316	4x (3.0-9.0)	37 - 48	0.9	213871
WGS ES 10GHz/9 W AISI316	9x (3.5-9.0)	51 - 68	1.5	213872
WGS ES 18GHz/4 W AISI316	4x (3.0-5.0)	34 - 48	0.8	213870
WGS ES 6GHz/4 W AISI316	4x (3.5-14.0)	49 - 68	1.5	213874
WGS ES 1GHz/4 W AISI316	4x (3.5-15.0)	49 - 68	1.2	213873



The product information provided by Roxtec does not release the purchaser of the Roxtec system, or part thereof, from the obligation to independently determine the suitability of the products for the intended process, installation and/or use.

Roxtec gives no guarantee for the Roxtec system or any part thereof and assumes no liability for any loss or damage whatsoever, whether direct, indirect, consequential, loss of profit or otherwise, occurred or caused by the Roxtec systems or installations containing components not manufactured by an authorized manufacturer and/or occurred or caused by the use of the Roxtec system in a manner or for an application other than for which the Roxtec system was designed or intended.

Roxtec expressly excludes any implied warranties of merchantability and fitness for a particular purpose and all other express or implied representations and warranties provided by statute or common law. User determines suitability of the Roxtec system for intended use and assumes all risk and liability in connection therewith. In no event shall Roxtec be liable for indirect, consequential, punitive, special, exemplary or incidental damages or losses.

The Roxtec products are offered and sold in accordance with the conditions of the Roxtec General Terms of Sales. The latest version of the Roxtec General Terms of Sales can be downloaded from <https://www.roxtec.com/en/about-us/about-roxtec/general-terms-of-sales/>

We reserve the right to make changes to the product and technical information without further notice. Any errors in print or entry are no claims for indemnity. The content of this publication is the property of Roxtec International AB and is protected by copyright.

This document was generated on: 2024-04-05