

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 according to IEC 60529

Supports

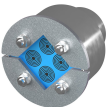
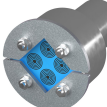
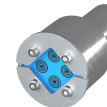
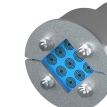
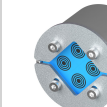
- Electromagnetic shielding

Sealing components

Sealing components
For detailed information, please visit [roxtec.com](https://www.roxtec.com).

Pre-configured transit kits

mm/kg

Product	Configuration	Aperture dimensions Ø	Weight	Art. no
 WGS ES 1GHz/4 W AISI316	4x (3.5-15.0)	49 - 68	1.16	213873
 WGS ES 6GHz/4 W AISI316	4x (3.5-14.0)	49 - 68	1.52	213874
 WGS ES 10GHz/4 W AISI316	4x (3.0-9.0)	37 - 48	0.87	213871
 WGS ES 10GHz/9 W AISI316	9x (3.5-9.0)	51 - 68	1.52	213872
 WGS ES 18GHz/4 W AISI316	4x (3.0-5.0)	34 - 48	0.78	213870



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