



# 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

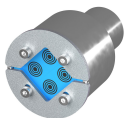
- Gas: 0.67 bar (catastrophic)
- Water: 2.5 bar (catastrophic)
- IP 66/67

### Supports

- Electromagnetic shielding

## Pre-configured transit kits

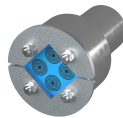
mm/kg



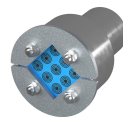
WGS ES 18GHz/4 W AISI316



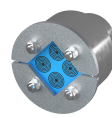
WGS ES 10GHz/4 W AISI316



WGS ES 6GHz/4 W AISI316



WGS ES 10GHz/9 W AISI316



WGS ES 1GHz/4 W AISI316

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



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