



# 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

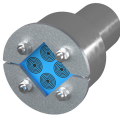
mm/kg



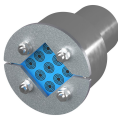
WGS ES 18GHz/4 W AISI316



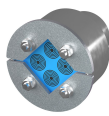
WGS ES 10GHz/4 W AISI316



WGS ES 6GHz/4 W AISI316



WGS ES 10GHz/9 W AISI316



WGS ES 1GHz/4 W AISI316

| Product                  | Configuration | Aperture dimensions<br>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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