

# NEW!

Roxtec Wedge ES  
– for quick installation  
and efficient shielding



### **Improved EMI barrier**

The Roxtec Wedge ES is especially developed to further improve our shielded cable and pipe sealing system. The new innovative cover of the compression unit is integrated in order to increase protection and speed up the installation process.

### **Easy to use**

The new wedge is designed for use with welded and bolted frames, and with Roxtec RM ES sealing modules. From now on, you do not need any other parts than the wedge, the frame and the modules to make an EMC compliant installation!

### **BENEFITS**

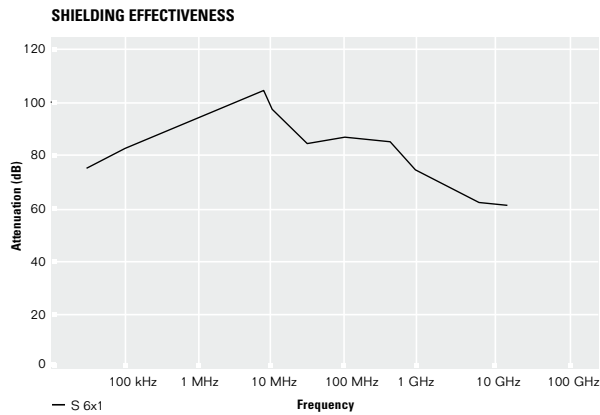
- Shields against electromagnetic interference
- Shortens installation time
- Simplifies planning and logistics
- Easy to tighten and re-tighten
- Tested and certified



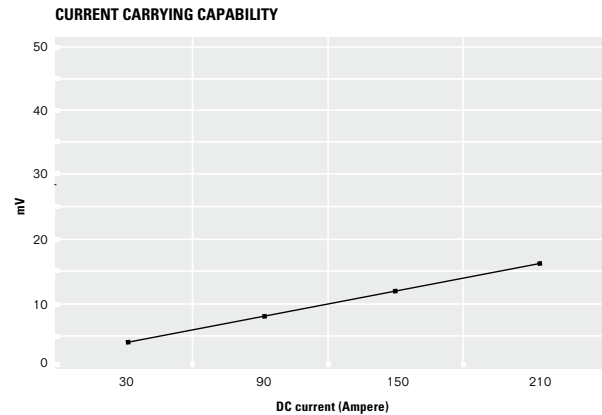
# The high performance EMC sealing system

We test our flexible seals for many application areas. Features like shielding effectiveness for radiated and conducted interference as well as current carrying capabilities are documented.

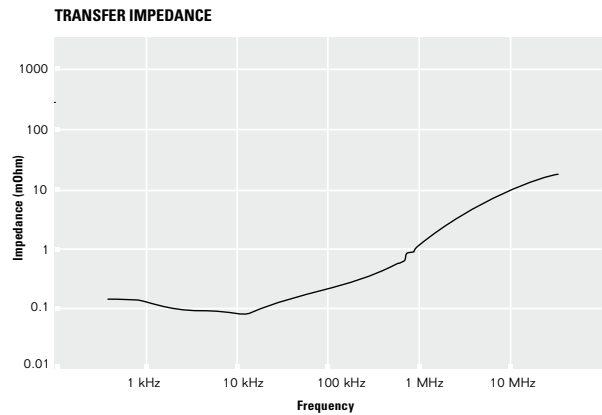
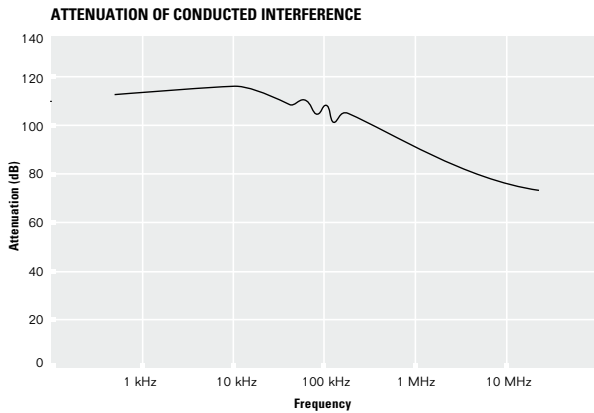
## Typical electrical characteristics, S & G series



Roxtec products are typically tested acc. to standards for shielded rooms. The cable transit is fitted into the wall of a chamber, and the tightness of the complete room is tested.



The robustness of the ground path is measured with High Current AC or DC and shows the strength of the grounding elements in the path. The current is passing from a copper pipe fitted into a module over to the mounting wall. The voltage drop is measured on the copper pipe and the mounting wall close to the module and frame.



To measure a system's effectiveness for conducted interference, a copper pipe is fitted into the modules during test. A signal is injected in one side of the transit and the signal is again measured on the other side, hence showing the effectiveness of the ground path for higher frequencies. The diagram this way represents transfer impedance characteristics for an ideal cable. The left diagram shows the attenuation in db. The right diagram shows the transfer impedance recalculated in milli-ohms.

# Roxtec Wedge ES – technical information

## Roxtec Wedge ES, galvanised

Article	External dimensions (HxW)		Weight per kit (HxW)		Art. No.
	mm	In	kg	lb	
WEDGEKIT GALV ES	Hx120	Hx4.724	1.45	2.094	103400
WEDGE 120 GALV ES	Hx120	Hx4.724	0.95	2.094	ARW0000012391
WEDGE 60 GALV ES	Hx60	Hx2.362	0.75	0.882	103398

## Roxtec Wedge ES, acid proof stainless steel

Article	External dimensions (HxW)		Weight per kit (HxW)		Art. No.
	mm	In	kg	lb	
WEDGEKIT AISI 316 ES	Hx120	Hx4.724	1.45	2.094	103401
WEDGE 120 AISI 316 ES	Hx120	Hx4.724	0.95	2.094	103370
WEDGE 60 AISI 316 ES	Hx60	Hx2.362	0.75	0.882	103397

### Each Roxtec Wedge ES is delivered with

- Wedge Clip
- Roxtec Lubricant
- Installation instructions

### Note

- Wedgekit includes five stayplates



For more information, please contact your local Roxtec representative or visit [www.roxtec.com](http://www.roxtec.com)



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