



Certification of Conformity

for HILTI Grating Fastening Solutions

according to IEC / EN 61537, Section 11.1 ELECTRICAL CONTINUITY TEST

A series of tests¹ were conducted to determine the conductivity properties of the below designated HILTI grating fastening solutions. Stud and grating clip were combined on a corrosion protected carbon steel base. Installation built according Hilti installation recommendations.

Test criteria:

A Test over the splice/joint¹: The impedance (Z) shall not exceed 50 mΩ

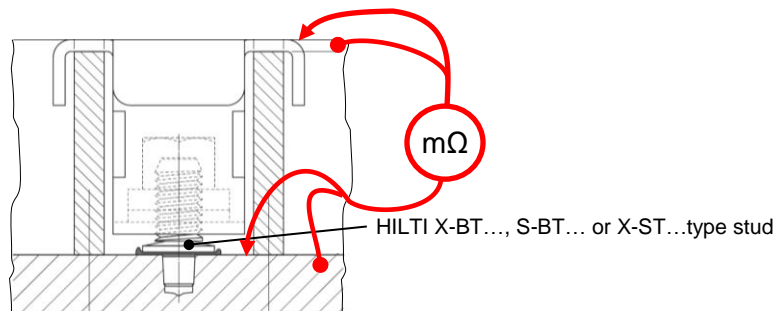
Stud	Material	Grating Clip	Material	Result ² [mΩ]	Outcome
X-BT-GR	stainless steel	X-FCS-R	stainless steel	1.57	complying
S-BT-GF	carbon steel	X-FCI-F	carbon steel	0.84	complying
X-ST-GR	stainless steel	X-FCI-F	carbon steel	1.39	complying
X-GR	carbon steel	-----	-----	1.16	complying

¹) Combination of stud and grating item.

²) Measurements were executed on studs size M8/7 or M8/10 and grating clip size 3-25 37/41, 28/32 and 25/30 respectively and averaged over three test samples.

Test setup:

The test setup was in the spirit of IEC / EN 61537, Section 11.1 and the measurements were conducted with the 4-wire resistance measurement method.



Schaan, 09/03/2021



pve consulting, Switzerland
www.pve-consulting.ch

Enrico Pagani, Senior Engineer CE-Compliance

¹ pve Test Report # 21-041201.02