



Certification of Conformity

for HILTI Grating Fastener
in combination with S-BT threaded studs on steel

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 fastener X-FCM mounted with HILTI S-BT fastener 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

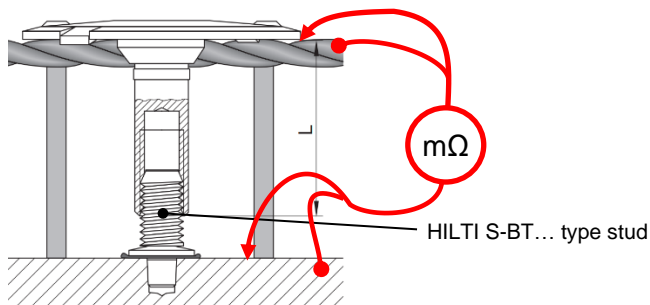
Stud	Material	Grating Item	Material	Result ² [mΩ]	Outcome
S-BT-GR NG	stainless steel	X-FCM-R-NG	stainless steel	1.66	complying
S-BT-GF NG	carbon steel	X-FCM-F-NG	carbon steel	0.77	complying

¹) Combination of stud and grating item.

²) Measurements were executed on studs size M8/7 and grating items size 28/33 respectively and averaged over four 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, 09/28/2021



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