

EXPERT TEST SERVICES

Price List

Accredited tests STS 0370

Tensile and compression testing on bolt and nut	EUR
Setup fee per test series	45
Cost per sample	45
Different tensile and pull-out tests	220/h

Hardness tests / hardness profile measurements	EUR
Vickers hardness and microhardness test* per sample (3 indentations)	55
Case hardness*, Decarburization* test per sample (5 indentations + core hardness)	70

* Sample preparation not included; additional cost can be found in the non-accredited test section

Friction coefficient testing / torque analysis, screw in test	EUR
Determination of the tightening properties for 12 samples	525
Determination of the torque and angle controlled tightening	1'050

Coating thickness measurement	EUR
XRF Coating thickness measurement (10 samples)	45

Material composition using spectral analysis (ICP-OES)	EUR
Setup fee standard sample ($\geq \varnothing 15\text{mm}$)	45
Setup fee small sample ($< \varnothing 15\text{mm}$)	90
Measurement per sample	90

Salt spray test			
10 samples including photo documentation before and after the test			
	EUR		EUR
24 hours	135	240 hours	1'050
48 hours	265	480 hours	1'485
72 hours	350	720 hours	2'185
96 hours	440	1'000 hours	2'925
144 hours	655	Each additional photo	20

Scope of the accredited tests see: www.sas.admin.ch

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Non-accredited tests

Description	EUR
Sample preparation of steels (cutting maximal 2 cuts, mounting, grinding and polishing) price for different material on request	135
Etching of the section	45
Microscopical measurement of coating thickness (max. 20 measuring points, sample preparation not included)	175
Metallographic section evaluation (including sample preparation)	350
Metallographic section interpretation (including sample preparation)	525
Rockwell hardness per sample (3 indentation)	55

Engineering Services

Bolt calculation according to VDI 2230	EUR
Standard materials at room temperature (RT)	1'050
Special material at RT or standard materials not at RT	1'400
Special material not at RT	2'095

Technical consulting	EUR
Technical consulting at customer site	220/h
Travelling time to customer site	220/h
Failure analysis	110/h
IMDS-entry (International Material Data System for automotive industry)	55

- All Euro prices without VAT and subject to currency fluctuation valid for Bossard Switzerland.
- All tests including a test protocol.
- A test report with detailed documentation and interpretation will cost 220.-/h.
- Standard lead time after sample arrival is 5 working days (exception: Salt spray test according to agreement).
- 50% urgent surcharge with a maximal lead time of 2 working days after sample arrival (Exception: Salt spray test according to agreement).
- For high volume (more than 10 samples) a discount is possible on request.
- Our general terms and conditions [GTC](#).
- Version 1 - Date of issue: May 2019

Please contact us to get an offer: labor@bossard.com / +41 41 749 66 11