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# Expert Test Services

Price List

## EXPERT TEST SERVICES

# Price List

### Accredited tests STS 0370

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

<b>Hardness tests / hardness profile measurements</b>	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	

<b>Friction coefficient testing / torque analysis, screw in test</b>	EUR
Determination of the tightening properties for 12 samples	525
Determination of the torque and angle controlled tightening	on request

<b>Coating thickness measurement</b>	EUR
XRF Coating thickness measurement (10 samples)	45

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

<b>Salt spray test</b>			
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](http://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
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

- Prices are stated in EUR without value-added tax.
- Invoicing will be based on the current exchange rate.
- Value-added tax will be added based on the specific country's rate.
- Prices applicable for standard tests.
- All tests including a test protocol. A test report with detailed documentation and interpretation will be charged at a rate of EUR 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).
- Our general terms and conditions [GTC](#).
- Date of issue: May 2023

Please contact us to get an offer: [labor@bossard.com](mailto:labor@bossard.com) / +41 41 749 66 11