

## Information sheet

### Proficiency tests metal 2021 ASTM

Organiser:	Institut für Eignungsprüfung IfEP GmbH, Marl, Germany
Registration:	By means of the attached form
Intention:	Confirmation of technical competence of participating laboratories
Data evaluation:	Based on ISO/IEC 17043 and ISO 13528. <b>Usually the participation is approved for accreditations according to NADCAP.</b>
Confidentiality:	Each laboratory receives a specific code number
Documentation:	Certificate Final report with a list of participants in alphabetical order with declaration of consent; determination of measurement uncertainty according to the current standards and guidelines. Details for subcontracting of single parts: please see <a href="http://www.ifep.de">www.ifep.de</a> , section „proficiency tests“

No. AS2101-HB Hardness testing Brinell	Test standard:	ASTM E10, HBW 2,5/187,5 and/or HBW 10/3000
	Material:	Reference hardness block
	Test program:	five hardness measurements on reference hardness block
	Test sequence:	Each participant receives a reference specimen.
	Results to be submitted:	five hardness values of the hardness blocks
	Assigned value:	Certified reference values of MPA NRW Dortmund, Germany
	Additional information provided by organiser:	Statement to measurement uncertainty
	Participation fee:	<b>HBW 2,5/187,5 or HBW 10/3000:</b> Germany 330 € other countries + transport costs* <b>HBW 2,5/187,5 and HBW 10/3000:</b> Germany 490 € (245 €/proficiency test); other countries + transport costs* estimated start: III. quarter 2021

No. AS2101-HR Hardness testing Rockwell C	Test standard:	ASTM E18, HRC
	Material:	Reference hardness blocks
	Test program:	3 x five hardness measurements on reference hardness blocks
	Test sequence:	Each participant receives three reference specimens.
	Results to be submitted:	3 x five hardness values of the hardness blocks
	Assigned value:	Certified reference values of MPA NRW Dortmund, Germany
	Additional information provided by organiser:	Statement to measurement uncertainty
	Participation fee:	Germany 330 € other countries + transport costs* estimated start: III. quarter 2021

No. AS2101-HV Hardness testing Vickers	Test standard:	ASTM E384 / E92, HV 1 and/or HV 10/HV 30
	Material:	Certified reference hardness test block (MPA NRW Dortmund, Germany)
	Test program:	five hardness measurements on certified reference hardness test block
	Test sequence:	Each participant receives a reference specimen.
	Results to be submitted:	five hardness values of the hardness test blocks
	Assigned value:	Certified reference values of MPA NRW Dortmund, Germany
	Additional information provided by organiser:	Statement to measurement uncertainty
	Participation fee:	<b>HV 1 or HV 10/HV 30:</b> Germany 330 € other countries + transport costs* <b>HV 1 and HV 10/HV 30:</b> Germany 490 € (245 €/proficiency test); other countries + transport costs* estimated start: III. quarter 2021

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<b>No. AS2109-R</b> <b>Tensile test steel</b> <b>(round specimens)</b>	Test standard:	ASTM E8/E8M
	Material:	Standard samples: 6 round test specimens, steel, diameter = 9 mm, specimen head: ISO thread M16 (specimen 2, ASTM E8M) as per standard, Alternate samples: specimens with diameter = 6 mm (specimen 3, ASTM E8M), specimen head: ISO thread M10 and/or 6 material sections, diameter app. 25 mm, length 150 mm each
	Production of specimens:	by the organiser / by the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the influence of specimen preparation, measurement uncertainty of the test method
	Participation fee:	<b>AS2109-RM: Machined specimens:</b> Germany 450 € other countries + transport costs* <b>AS2109-RU: Unmachined specimens:</b> Germany 350 € other countries + transport costs* <b>Machined AND unmachined specimens:</b> Germany 700 € (350 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2021
<b>No. AS2109-RW</b> <b>Elevated Temperature Tension Test steel</b> <b>(round specimens)</b>	Test standard:	ASTM E21
	Material:	heat-resistant steel, testing at 200 °C Standard samples: 6 round test specimens, steel, diameter = 9 mm, specimen head: ISO thread M16 (specimen 2, ASTM E8M) as per standard, Alternate samples: specimens with diameter = 6 mm (specimen 3, ASTM E8M), specimen head: ISO thread M10 and/or 6 material sections, diameter app. 25 mm, length 150 mm each
	Production of specimens:	by the organiser / by the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the influence of specimen preparation, measurement uncertainty of the test method
	Participation fee:	<b>AS2109-RWM: Machined specimens:</b> Germany 450 € other countries + transport costs* <b>AS2109-RWU: Unmachined specimens:</b> Germany 350 € other countries + transport costs* <b>Machined AND unmachined specimens:</b> Germany 700 € (350 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2021
<b>No. AS2110F</b> <b>Tensile test steel</b> <b>flat specimens, 1-3 mm</b>	Test standard:	ASTM E8/E8M
	Material:	6 flat specimens, steel, geometry according to ASTM E8/E8M (sheet type), thickness = 1-3 mm, width = 12,5 mm, and/or 6 material sections of about 32 x 280 mm <sup>2</sup> each
	Production of specimens:	by the organiser / by the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the influence of specimen preparation, measurement uncertainty of the test method
	Participation fee:	<b>AS2110FM: Machined specimens:</b> Germany 330 € other countries + transport costs* <b>AS2110FU: Unmachined specimens:</b> Germany 285 € other countries + transport costs* <b>Machined AND unmachined specimens:</b> Germany 550 € (275 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2021

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<b>No. AS2111</b> <b>Charpy impact test</b> <b>ready to test specimens</b>	Test standard:	ASTM E23 (8 mm striker)
	Material:	Charpy test specimens, impact energy low level (RT), average level (RT), high level (RT), <b>super high level (RT)</b>
	Production of specimens:	<b>by the organiser</b>
	Results to be submitted:	5 values according to ASTM E23 each energy level
	Assigned value:	consensus value, limits based on ASTM E23
	Additional information:	Statement to the measurement uncertainty of the test method
	Participation fee:	<b>One energy level:</b> Germany 310 €, other countries + transport costs* <b>Two energy levels:</b> Germany 490 € (245 €/proficiency test); other countries + transport costs* <b>Three energy levels:</b> Germany 630 € (210 €/proficiency test); other countries + transport costs* <b>Four energy levels:</b> Germany 760 € (190 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2021
<b>No. AS2111</b> <b>Charpy impact test</b> <b>unmachined specimens</b>	Test standard:	ASTM E23 (8 mm striker)
	Material:	Material sections, app. dimensions: 57 x 12 x 12 mm <sup>3</sup> , impact energy low level (RT), average level (RT), high level (RT), <b>super high level (RT)</b>
	Production of specimens:	<b>by the participants</b>
	Results to be submitted:	5 values according to ASTM E23 each energy level
	Assigned value:	consensus value, limits based on ASTM E23
	Additional information:	Statement to the measurement uncertainty of the test method
	Participation fee:	<b>One energy level:</b> Germany 250 €, other countries + transport costs* <b>Two energy levels:</b> Germany 400 € (200 €/proficiency test); other countries + transport costs* <b>Three energy levels:</b> Germany 525 € (175 €/proficiency test); other countries + transport costs* <b>Four energy levels:</b> Germany 660 € (165 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2021

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### Registration proficiency tests metal 2021 ASTM

via fax to: +49 (0) 2365 / 209 00 35 or via e-mail to: Mende@ifep.de

We will participate in the following proficiency test(s):

No.	please mark	Proficiency test	Expected Start (quarter 2021)	Return of the results	Participation fee
AS2101-HB-a	<input type="checkbox"/>	Hardness testing Brinell HBW 2,5/187,5, ASTM E10	III/2021	4 weeks	AS2101-HB-a or AS2101-HB-b: total 330 €* AS2101-HB-a and AS2101-HB-b: total 490 €*
AS2101-HB-b	<input type="checkbox"/>	Hardness testing Brinell HBW 10/3000, ASTM E10	III/2021	4 weeks	
AS2101-HR	<input type="checkbox"/>	Hardness testing Rockwell C, ASTM E18	III/2021	4 weeks	330 €*
AS2101-HV-a	<input type="checkbox"/>	Hardness testing Vickers HV 1, ASTM E384	III/2021 III/2021	4 weeks	AS2101-HV-a or AS2101-HV-b: total 330 €* AS2101-HV-a and AS2101-HV-b: total 490 €*
AS2101-HV-b	<input type="checkbox"/>	Hardness testing Vickers HV 10/HV 30, ASTM E92			
AS2109-RM	Standard samples: <input type="checkbox"/>	Tensile test steel round bars, ASTM E8/E8M, <b>machined specimens</b>	IV/2021	4 weeks	AS2109-RM: 450 €* AS2109-RU: 350 €* AS2109-RM and AS2109-RU: total 700 €*
	Alternate samples: <input type="checkbox"/>				
AS2109-RU	<input type="checkbox"/>	Tensile test steel round bars, ASTM E8/E8M, <b>unmachined specimens</b>	IV/2021	4 weeks	
AS2109-RWM	Standard samples: <input type="checkbox"/>	Elevated Temperature Tension Test steel (round spe.), ASTM E21, <b>machined specimens</b>	IV/2021	4 weeks	AS2109-RWM: 450 €* AS2109-RWU: 350 €* AS2109-RWM and AS2109-RWU: total 700 €*
	Alternate samples: <input type="checkbox"/>				
AS2109-RWU	<input type="checkbox"/>	Elevated Temperature Tension Test steel (round spe.), ASTM E21, <b>unmachined specimens</b>	IV/2021	4 weeks	
AS2110FM	<input type="checkbox"/>	Tensile test steel flat specimens, ASTM E8/E8M, 1-3 mm, <b>machined specimens</b>	IV/2021	4 weeks	AS2110FM: 330 €* AS2110FU: 285 €* AS2110FM and AS2110FU: total 550 €*
AS2110FU	<input type="checkbox"/>	Tensile test steel flat specimens, ASTM E8/E8M, 1-3 mm, <b>unmachined specimens</b>	IV/2021	4 weeks	

\* Prices for Germany excl. VAT, other countries: Delivery and duty costs will be added to participation fee, see [www.ifep.eu](http://www.ifep.eu)

**Continuation on the next page.  
Please submit pages 4 and 5 for a binding order.**

## Registration proficiency tests metal 2021 ASTM: part 2

No.	please mark	Proficiency test	Expected Start (quarter 2021)	Return of the results	Participation fee
AS2111-LM	<input type="checkbox"/>	Charpy impact test low level, ASTM E23, <b>machined specimens</b>	IV/2021	4 weeks	1 level: total 310 € * 2 levels: total 490 € * 3 levels: total 630 € * 4 levels: total 760 € *
AS2111-MM	<input type="checkbox"/>	Charpy impact test average level, ASTM E23, <b>machined specimens</b>			
AS2111-HM	<input type="checkbox"/>	Charpy impact test high level, ASTM E23, <b>machined specimens</b>			
AS2111-SM	<input type="checkbox"/>	Charpy impact test super high level, ASTM E23, <b>machined specimens</b>			
AS2111-LU	<input type="checkbox"/>	Charpy impact test low level, ASTM E23, <b>unmachined specimens</b>	IV/2021	4 weeks	1 level: total 250 € * 2 levels: total 400 € * 3 levels: total 525 € * 4 levels: total 660 € *
AS2111-MU	<input type="checkbox"/>	Charpy impact test average level, ASTM E23, <b>unmachined specimens</b>			
AS2111-HU	<input type="checkbox"/>	Charpy impact test high level, ASTM E23, <b>unmachined specimens</b>			
AS2111-SU	<input type="checkbox"/>	Charpy impact test super high level, ASTM E23, <b>unmachined specimens</b>			

\* Prices for Germany excl. VAT, other countries: Delivery and duty costs will be added to participation fee, see [www.ifep.eu](http://www.ifep.eu)

The costs will be invoiced by Institut für Eignungsprüfung IfEP GmbH in **advance**. The total invoice amount is to be paid two weeks after receipt of the invoice, independent of the shipment of the specimens.

The organiser will charge 25 % of the fee if the registration is cancelled four weeks prior to the start of the proficiency test. For cancellations later than this, the full amount will be charged.

Company:				_____ Date / signature / <b>stamp</b>	
Department:					
Contact person:	<input type="checkbox"/> Ms. <input type="checkbox"/> Mr.	First name:	Surname:		
Address:					
ZIP Code:	City:	Country:	<input type="checkbox"/> German <input type="checkbox"/> English		
Telephone:		E-Mail:			
<b><u>Necessary additional information:</u></b> Your VAT identification number:					
Billing address ( <b>only if differing</b> ):			Delivery address ( <b>only if differing</b> ):		
Further invoice-details, e.g. cost unit:					
<b>I confirm with my signature that the service is carried out for my/our company (and not for a private person).</b>					

**Please submit pages 4 and 5 for a binding order.**