

**The Appendix is an integral part of
Certificate of Accreditation No. 525/2021 of 14. 10. 2021**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

LABOR machine s.r.o.
Calibration Laboratory
Hlavní 424, 747 81 Otice

CMC for the field of measured quantity: Length

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min.	unit	max.	unit					
1*	Strain gauges, which are a part of tensile testing machines and presses	0 mm	to	25 mm		1.2 μm 20 μm	Direct measurement by a strain gauge calibrator and length gauge	KP No. 3 (ČSN EN ISO 9513, ASTM E83)		
	Testing machines and presses, force measuring devices	0 mm	to	100 mm			0.8 μm 20 μm			
		25 mm	to	1,000 mm						
		100 mm	to	1,000 mm	Crosshead movement measuring system					

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95%. If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

³ If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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LABOR machine s.r.o.
Calibration Laboratory
Hlavní 424, 747 81 Otice

CMC for the field of measured quantity: Mechanical tests

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min.	unit	max.	unit					
1*	Testing machines and presses	0 N 0 kN 0 kN	to	210 N 3,000 kN 5,000 kN	Tension, Pressure Tension Pressure	0.2 % 0.15 % 0.15 %	Comparison with a force standard	KP No. 4 (ČSN EN ISO 7500-1, ASTM E4)		
2*	Working dynamometers, force measuring devices	0 N 0 kN 0 kN	to	210 N 3,000 kN 5,000 kN	Tension, Pressure Tension Pressure	0.2 % 0.15 % 0.15 %	Comparison with a force standard	KP No. 2 (ČSN EN ISO 7500-1, ČSN EN ISO 376)		
3*	Pendulum hammers	0.1 J	to	2,500 J		0.1 %	Direct and indirect measurement	KP No. 1 (ČSN EN ISO 148-2, ČSN EN ISO 13802, ASTM E23)		

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CMC for the field of measured quantity: Hardness

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min.	unit	max.	unit					
1*	Hardness meters							Indirect measurement KP č. 5 (ČSN EN ISO 6506-2, ČSN EN ISO 6507-2, ČSN EN ISO 6508-2, ASTM E10, ASTM E384, ASTM E18)		
	Rockwell	20 HRA	to	95 HRA		0.46 HR				
		10 HRBW	to	100 HRBW		0.46 HR				
		20 HRC	to	70 HRC		0.46 HR				
		40 HRD	to	77 HRD		0.46 HR				
		70 HREW	to	100 HREW		0.46 HR				
		60 HRFW	to	100 HRFW		0.46 HR				
		30 HRGW	to	94 HRGW		0.46 HR				
		80 HRHW	to	100 HRHW		0.46 HR				
		40 HRKW	to	100 HRKW		0.46 HR				
		70 HR15N	to	94 HR15N		0.85 HR				
		42 HR30N	to	86 HR30N		0.85 HR				
		20 HR45N	to	77 HR45N		0.85 HR				
		67 HR15TW	to	93 HR15TW		0.85 HR				
		29 HR30TW	to	82 HR30TW		0.85 HR				
		10 HR45TW	to	72 HR45TW		0.85 HR				
	Brinell	10 HBW	to	650 HBW		0.33 %				
	Vickers	10 HV	to	2,000 HV		0.33 %				

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