

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

**TEMPOS, spol. s r.o.**  
CAB number 2381, KLT METROLOGIE  
Solná 447/27, Město, 746 01 Opava

**CMC for the field of measured quantity: Force, mechanical tests**

Ord. number <sub>1</sub>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work-place
		min.	unit	max.	unit					
1*	Hardness of metals – hardness testers	20 HBW		to	600 HBW	Brinell	0.32 %	Indirect calibration using hardness standards	PN-KLT-1 (ČSN EN ISO 6506-2)	
		100 HV		to	2500 HV	Vickers	0.30 %	Indirect calibration using hardness standards	PN-KLT-2 (ČSN EN ISO 6507-2)	
		60 HRA		to	100 HRA	Rockwell A	0.20 HR	Indirect calibration using hardness standards	PN-KLT-3 (ČSN EN ISO 6508-2)	
		60 HRBW		to	110 HRBW	Rockwell B	0.20 HR			
		20 HRC		to	80 HRC	Rockwell C	0.20 HR			
60 HREW		to	115 HREW	Rockwell E	0.20 HR					
60 HRFW		to	100 HRFW	Rockwell F	0.20 HR					
		20 HR15N		to	100 HR15N	Rockwell 15N	0.28 HR	Indirect calibration using hardness standards	PN-KLT-3 (ČSN EN ISO 6508-2)	
		20 HR30N		to	100 HR30N	Rockwell 30N	0.28 HR			
		20 HR45N		to	70 HR45N	Rockwell 45N	0.28 HR			
		20 HR15TW		to	100 HR15TW	Rockwell 15T	0.28 HR			
		20 HR30TW		to	90 HR30TW	Rockwell 30T	0.28 HR			
		20 HR45TW		to	80 HR45TW	Rockwell 45T	0.28 HR			

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

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a 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 measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies

<sup>3</sup> 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)