

				Calibration standards for contact stylus instruments						
				Corresponding to PTB-measurement standards						
Roughness measurement standards, line of products KNT 2058/05 (for sheet metal surfaces)										
The measurement standards indicated in the following list are calibrated , i.e. the roughness parameter have been defined.										
Determination by.....(see below). Calibration certificate are issued.										
No.	Designation	Class	Grade	nominal values		s*)	Item-Number	Price / piece EUR	Delivery time	Remark
				Ra µm	Rz µm	≤ %				
1	Calibration: Physikalisch-Technische Bundesanstalt (PTB)°)									
2										
3										
4										
5										
6										
7	Calibration: DAkkS-accredited calibration laboratory						Item-No.-ending:/DK			
8	Roughn. meas. Standard	A	1	not yet determined			2058/05A1/DK			
9	Roughn. meas. Standard	A	2	1,25	6,1	3	2058/05A2/DK	upon request		according to DIN EN 10049 **)
10	Roughn. meas. Standard	A	3	1,9	9,0	3	2058/05A3/DK	upon request		according to DIN EN 10049 **)
11										
12										
The measurement standards indicated in the following list are not calibrated .										
The measurement standards are calibrated by the customer.										
No.	Designation	Class	Grade	nominal values		s*)	Item-Number	Price / piece EUR	Delivery time	Remark
				Ra µm	Rz µm	≤ %				
13	Calibration: without °°°)						Item-No.-ending:/oK			
14	Roughn. meas. Standard	A	1	not yet determined			2058/05A1/oK			
15	Roughn. meas. Standard	A	2	1,25	6,1	3	2058/05A2/oK	upon request		according to DIN EN 10049 **)
16	Roughn. meas. Standard	A	3	1,9	9,0	3	2058/05A3/oK	upon request		according to DIN EN 10049 **)
17										
Attachment °°°°)										
18	Receiving shaft for 2 roughness measurement standards,									
19	complete with all assembly parts.						2058/05 S2R	upon request		
*) s: Standard deviation from n measurements on the marked measuring surface (value for n see "technical data", Page No.: 4.2: metering point plan of PTB-Calibration)										
**) Steel iron-test sheet (SEP) No. 1940, Edition 1998										
°) Prices contain: Measured values for Ra, Rz, R _{Pc} acc. to ISO 10049, with bandwidth limitation (Lambda s)										
°°°) The roughness measurement categories ascertained by the plant purchase become with a reference-surface tracer investigates and are performed in an acceptance report. Attention: These measured values are not comparable with the values ascertained by 2 skid tracer.										
°°°°) Special design for sheet metal measuring with pendulum-test pick-up system: For the receiving shaft at least two roughness measurement standards are required. Total height of the two roughness standards: 6 mm. The configuration (shaft and measurement standards) is supplied completely. A conversion for other roughness levels, if ordered, can easily be effected by the customer.										
The price are to be understood excluding freight and insurance if not otherwise agreed upon. Relevant delivery times upon request. For more detailed technical description please refer to "Technical Data", pages 2.0, 5.1 and 5.2.										
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									15.1	