



Calibration standards for contact stylus instruments

Corresponding to PTB-measurement standards

Roughness measurement standards, line of products KNT 4058/01 (standard version)

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)						Item-No.-ending:/PK			
2	Roughn. meas. standard	A	1	0,2	1,5	3	4058/01A1/PK	upon request		conform. ISO 5436
3	Roughn. meas. standard	A	2	0,5	3,0	3	4058/01A2/PK	upon request		conform. ISO 5436
4	Roughn. meas. standard	A	3	1,5	8,5	3	4058/01A3/PK	upon request		conform. ISO 5436
5	Roughn. m. stand. Set	existing of run. No 2-4					4058/01AS/PK	upon request		conform. ISO 5436
6	Note: For the PTB-calibration only class A is provided!									
7	Calibration: DAkkS-accredited calibration laboratory °°)						Item-No.-ending:/DK			
8	Roughn. meas. standard	A	1	0,2	1,5	3	4058/01A1/DK	upon request		conform. ISO 5436
9	Roughn. meas. standard	A	2	0,5	3,0	3	4058/01A2/DK	upon request		conform. ISO 5436
10	Roughn. meas. standard	A	3	1,5	8,5	3	4058/01A3/DK	upon request		conform. ISO 5436
11	Roughn. m. stand. Set	existing of run. No 8-10					4058/01AS/DK	upon request		conform. ISO 5436
12	Note: Class B is cancelled									
13	Roughn. meas. standard	C	1	0,2	1,5	5	4058/01C1/DK	***)		conform. ISO 5436 **)
14	Roughn. meas. standard	C	2	0,5	3,0	5	4058/01C2/DK	***)		conform. ISO 5436 **)
15	Roughn. meas. standard	C	3	1,5	8,5	5	4058/01C3/DK	***)		conform. ISO 5436 **)
16	Roughn. m. stand. Set	existing of run. No 13-15					4058/01CS/DK	***)		conform. ISO 5436 **)
17	Calibration: HALLE in-house calibration°°°)						Item-No.-ending:/HK			
18	Roughn. meas. standard	A	1	0,2	1,5	3	4058/01A1/HK	upon request		conform. ISO 5436
19	Roughn. meas. standard	A	2	0,5	3,0	3	4058/01A2/HK	upon request		conform. ISO 5436
20	Roughn. meas. standard	A	3	1,5	8,5	3	4058/01A3/HK	upon request		conform. ISO 5436
21	Roughn. m. stand. Set	existing of run. No 19-21					4058/01AS/HK	upon request		conform. ISO 5436
22	Note: Class B is cancelled									
23	Roughn. meas. standard	C	1	0,2	1,5	5	4058/01C1/HK	***)		conform. ISO 5436 **)
24	Roughn. meas. standard	C	2	0,5	3,0	5	4058/01C2/HK	***)		conform. ISO 5436 **)
25	Roughn. meas. standard	C	3	1,5	8,5	5	4058/01C3/HK	***)		conform. ISO 5436 **)
26	Roughn. m. stand. Set	existing of run. No 23-25					4058/01CS/HK	***)		conform. ISO 5436 **)

*) s: Standard deviation from n measurements on the marked measuring surface

(Value for n see "technical data", Page No.: 2.1)

**) The roughness meas. standard does not correspond completely ISO 5436, because a bigger standard deviation is given.

***) Class C is not in stock constantly, because it results by sorting after the calibration.

With interest, please ask us for the current stock.

°) Prices contain: Measured values for Ra, Rz, Rmax acc. to ISO 4287, **with** or **without** bandwidth limitation (Lambda s) (**please inquire**).

optional: Calibration of Rk-parameter (ISO 13565-2): please inquire. Price surcharge: EUR 170.- per piece

°°) Prices contain: Measured values for Ra, Rz, Rmax acc. to ISO 4287, with bandwidth limitation (Lambda s)

and Rk-parameter (ISO 13565-2)

°°°) Prices contain: Measured values for Ra, Rz, Rmax acc. to ISO 4287

No DAkkS calibration. Nevertheless, the measured values of the calibration have access to the PTB, Braunschweig.

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 and 2.1.

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