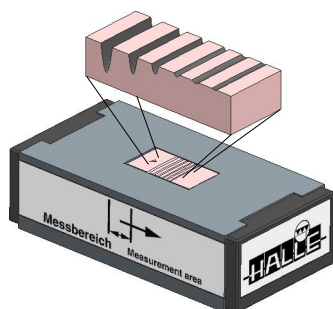


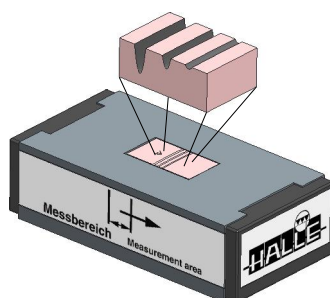
Depth measurement standards (with round groove bottom)

line of products KNT 4060/03

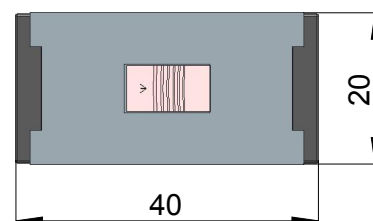
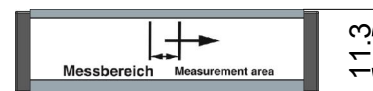
corresponding to Physikalisch-Technische Bundesanstalt (PTB)-measurement standards for adjustment and calibration of vertical magnification for contact stylus instruments and optical measurement instruments.



6 grooves (0,25 / 0,6 / 1 / 3 / 6 / 9 μm)
(grooves represented
with vertical exaggeration)



3 grooves (1 / 4 / 9 μm)
(grooves represented
with vertical exaggeration)



The depth measurement standard is used for the connection of the vertical roughness parameters to the SI-unit of length. Thus it ensures the retraceability to national measurement standards.

The body of the standard is made of hardened stainless steel, with dimensions of 40 x 20 x 11,3mm. In this body is inserted a rectangular measuring area with the dimensions used 11 x 6 mm, consisting of a hard nickel (P)-layer. In this layer 3 or 6 grooves are inwrought.

The nominal depths of the calibration grooves are the following:

6 grooves: 0,25 / 0,6 / 1 / 3 / 6 / 9 μm ,

3 grooves: 1 / 4 / 9 μm

(conformity with ISO 5436)

Determination of the groove depth by:

1. Physikalisch-Technische Bundesanstalt (PTB), Braunschweig.
(Not available at this time).
2. Accredited calibration laboratory (DKD-calibration)
The exact values are determined by means of a contact stylus instrument.
3. HALLE Präzisions-Kalibriernormale GmbH (in-house calibration)
The exact values are determined by means of a contact stylus instrument which has been calibrated using a PTB-calibrated depth measurement standard.
The calibrations performed by HALLE GmbH are in relation with PTB.

Calibration certificates are issued.

Measurement standards are available with or without calibration.

Laterally, the standards are provided with nameplates.

A special wooden case for the safe storage of the measurement standard belongs to the scope of delivery.

Price list (with times of delivery, article No. ...etc): see page No.: 18.1

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