

Garant
Gauge block set Ceramic, tolerance class 1, Set contents: 10

Order data

Order number	481251 10
GTIN	4045197154781
Item class	41L

Description
Version:

Made of ultra-pure ceramic zirconium oxide (ZrO_2) by a sintering process.

Hardness: With approx. 1350 HV about twice as hard as steel.

Tensile strength: Up to approx. 70% of the flexural strength of steel. Insensitive to shock and impact.

Wear resistance: Lasts about 10 times longer than steel. No burrs. No plastic deformation. Scratches and small defects have no influence on the measuring result. The surface remains slip capable longer than steel.

Handling / care: Highly resistant to alkalis, acids, oil, and grinding water. **No need for time-intensive degreasing before use and re-greasing after use which is required for steel.** Low weight is an advantage for large sizes.

Temperature characteristics: Coefficient of expansion ($9.5 \pm 1.0 \cdot 10^{-6} K^{-1}$), similar to that of steel. Low thermal conductivity.

Anti-magnetic: Cannot be magnetised.

Slip capability: The homogeneous, high density structure gives optimum holding, even to steel, and easy slip capability. Galling is excluded.

With traceable test certificate: Each gauge block is provided with its own unique identity number.

Version same as No. 481250.

Application:

For checking external micrometers to VDI / VDE / DGQ 2618, sheet 10.1.

Content:

1× each size (mm): Size 2.5; 5.1; 7.7; 10.3; 12.9; 15.0; 17.6; 20.2; 22.8; 25.0 optical flat \varnothing 30 mm 1 ×

Content:

1 each gauge block: Size 2.5; 5.1; 7.7; 10.3; 12.9; 15.0; 17.6; 20.2; 22.8; 25.0
Optical flat Ø 30 mm: 1 pc.

Technical description

Set contents	10
Standard	DIN EN ISO 3650
Tolerance class	1
Material	Zirconium Oxide (ZrO ₂) ceramic material
Test certificate	Manufacturer's test certificate
Packaging	sturdy box
Calibration	S17
Type of product	External micrometer gauge block test set

Services

Calibration Gauge block set, steel / ceramic Set contents 10	018041 10
Labelling laser-etched Type	018940
DAkkS calibration Gauge block set, ceramic Set contents 10	019760 10
Calibration Gauge block set, steel / ceramic Set contents 10	020850 10
DAkkS calibration Gauge block set, ceramic Set contents 10	020870 10