

# Rectangular Gauge Blocks with a Calibrated CTE

## Gauge Blocks with a Calibrated Coefficient of Thermal Expansion

### Metric Blocks with CTE

- Mitutoyo offers top-level gauge blocks (steel and ceramic) which are superior to K class blocks, with their quality supported by Mitutoyo's best technologies.
- Features an accurately calibrated thermal expansion coefficient measured with a proprietary double-faced interferometer (DFI).
- Each gauge block is calibrated for length on a highly accurate gauge block interferometer (GBI) system.
- Uncertainty of thermal expansion coefficient:  $0,035 \times 10^{-6} / \text{K}$  ( $k=2$ ).
- Uncertainty of length measurement: 30 nm ( $k=2$ ), for 100 mm blocks.



Calibration Certificate

### Specifications

Standards Grade k JIS/DIN/ISO  
Length 100 - 500 mm

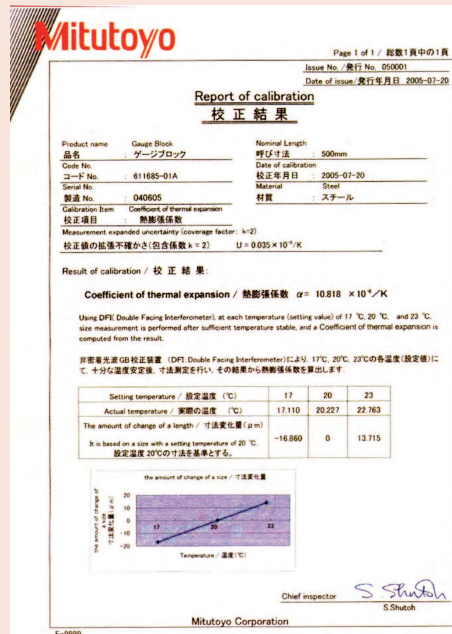


#### Steel

No.	Length (mm)
611681-01B*	100
611802-01B*	125
611803-01B*	150
611804-01B*	175
611682-01B*	200
611805-01B*	250
611683-01B*	300
611684-01B*	400
611685-01B*	500

#### Cera

No.	Length (mm)
613681-01B*	100
613802-01B*	125
613803-01B*	150
613804-01B*	175
613682-01B*	200
613805-01B*	250
613683-01B*	300
613684-01B*	400
613685-01B*	500



To each final dimension a factory certificate is supplied.