

Gauge Blocks

SERIES 516 – Maintenance Kit for Gauge Blocks

- Maintenance kit for gauge blocks includes all the necessary maintenance tools for removing burrs and contamination before use, and applying anti-corrosion treatment after use, etc.



516-650E



Recommendation for Regular Calibration

Gauge blocks are often used to define a company's standard of length for manufacturing and as such must be reliable. This means that they need regular calibration to verify accuracy. (The problem of damage or corrosion should be addressed during use and blocks seriously affected must be discarded immediately.) The frequency of calibration depends on the tolerance requirements of the work, the amount of use and conditions under which the gauge blocks are used. The most economical cycle for any particular set of gauge blocks is best determined by studying the calibration history. The list below indicates timings for a typical initial calibration cycle for the various grades of block.

Application	Cycle	Grade (reference)
Reference	1 - 2	K
Standard	2	K or 0
Inspection	2	0 or 1
Shop floor	0.5 - 1	1 or 2

As an accredited calibration laboratory, Mitutoyo offers a traceable calibration service for customers' gauge blocks. Our regular calibration service features:

- Gauge blocks manufactured by any maker can be calibrated.
- Cleansing and removal of burrs.
- Central dimension and dimensional deviations of each block are measured.
- Calibration results are provided for immediate use and for building a calibration history of each block.

SPECIFICATIONS

Code No.	Tools and accessories included	Price
516-650E	Ceraston (601645): For removing burrs on the measuring surfaces (100 x 25 x 12 mm).	£462.00
	Optical flat (158-117): For checking whether burrs exist on the measuring surfaces (ø45 x 12 mm).	
	Tweezers (600004): For handling thin blocks.	
	Blower brush (600005): For blowing dust off the measuring surfaces.	
	Cleaning paper (600006): For wiping off rust preventive oil and contamination (500 pcs.).	
	Artificial leather mat (600007): For handling blocks on a benchtop to prevent contamination and damage	
	Reagent bottle (600008): Bottle of cleansing solution (100 ml).	
	Gloves (600009): For handling large blocks to prevent expansion due to heat transfer from operator.	