

■ What is block gauge

To define an object's length with the the surface between end face of the block gauge.

This is a commonly used standard tool.

A gauge high in precision and it's the meter standard to other measuring tools in the industrial use.

The material varies from steel, ceramic and sizes from 0.5mm to 1000mm.

Precision varies from four types, which are level K, level 0, level 1 and level 2.

Level	Usages	
K	For ultra-precision measurement	To confirm standard block gauge • for precision academic research
0	For precision measurement	To check the block gauges of working and inspecting use • inspect the precision of measuring tools
1	For standard measurement	To inspect precision of the gauge • inspect parts of the machine
2	For working measurement	To adjust precision of measuring tools • install the tools and cutlery



Steel



Ceramic

■ Preparation before use

■ Remove all grease and dirt on measuring face and make sure there is no scratch on it.

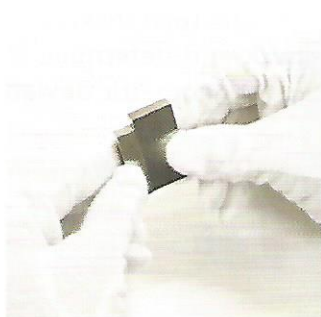
■ Use chamois or better paper for wiping. Do not use waste cloth or sleeve.

※ To be extremely careful not to hurt the measuring face.

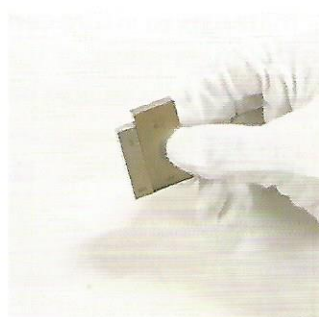
■ Assemble block gauge (linking)



01 First, cross pile up tightly together.



02 Slightly turn the two tight combined block gauges to the same direction.



03 Ensure that it links together tightly.

Block gauge can be linked together tightly and combined into any desired length. For bigger size block gauge, take two block gauges, set it at cross-shape and turn it to so the measuring face links together. For bigger size and smaller size block gauge to link together, pile up the measuring face and slightly slide it back and forth for tight linking. The same procedures should be followed for smaller size block gauge linking.

■ Main points of linking

To avoid accumulative amount of block gauge's margin tolerance, use only minimum amount of block gauge when linking.
Note the average temperature after block gauge linking.

■ Store and use precautions

- Ensure both sides of block gauge are clean without any burrs.
(Use optical flat for checking is recommended.)
- Apply anti-rust oil for storing and keep it at a place with small changes in humidity and temperature.