

Carbide Gage Block Sets are traceable to the National Institute of Standards and Technology.

Special Features:

- Fowler Tungsten Carbide Rectangular and Square Gage Block Sets are selected for stability, durability and fine grain structure with a hardness of 70 RC. With this metal, a surface finish of less than .2 millionths (.005 microns) is ensured and gives maximum wringability which is appreciated by users of steel and chromium carbide gages.
- The surface finish process removes all peaks, leaving a 100% surface resistant to wear, ensuring long life within the original accuracy tolerance and retained wringability.
- Edges of gaging faces are reinforced for a smooth radius.
- Certificates of accuracy are furnished as standard with sets to the following grade: Federal Spec. GGG-G-15C, Class 3 (A + B) and are traceable to NIST.
- Tungsten carbide resists high corrosion, making it ideal for continuous handling. It is also slow to react to "hot hands" with a low coefficient of expansion.
- Tungsten Gage Blocks are developed with significant attention to flatness and parallelism. Rigid attention is given to the manufacturing process to meet all required standards of quality.



▲ *Rectangular Set #53-685-082.*

- The best measurement techniques along with modern equipment and atmosphere-controlled standards safeguards accuracy.
- Masters are measured under rigidly controlled conditions by a Zeiss Measurement interferometer to international standards for Master Gage Measurement.
- Each gage is identified by size and housed in a protected compartment.
- At final inspection sets are coated when calibrated to protect them from moisture, foreign matter, corrosion and defacement.
- Inch surface finish .2 millionths; metric surface finish is .005 microns.
- Price includes fitted case.

U.S. Federal Class 3 (A & B) — Accuracy $+.000008''$ $-.000004''$ for sizes up to 1".

Order NO.	Federal Class	Blocks per Set	Blocks Included in Each Set
Rectangular—Inch Series:			
53-685-082	3	82	9 Blocks .1001" thru .1009" step of .0001" 49 Blocks .101" thru .149" step of .001" 19 Blocks .050" thru .950" step of .050" 4 Blocks 1.000" thru 4.000" step of 1.000" 1 Block .10005"
53-685-036	3	36	1 Block .1005" 9 Blocks .1001" thru .1009" step of .0001" 9 Blocks .101" thru .109" step of .001" 9 Blocks .110" thru .190" step of .01" 4 Blocks .100", .200", .300" and .500" 3 Blocks 1.000", 2.000", 4.000" 1 Block .10005"