

Fowler

Premium Rectangular & Square Steel Gage Block Sets



▲ #53-678-082 Square Gage Block Set.



▲ #53-678-081 Rectangular Gage Block Set.

Premium Rectangular and Square Steel Gage Blocks are available in grade 1 (AA) and grade 2 (A+). Accessories are also available that expand the versatility and applications for gage blocks even further.

Every set of 34 pieces or larger comes with a FREE maintenance kit which includes gage block cleaner, gage block preservative and a block of lint-free wiping tissues.

Certified Accuracy...all gage blocks carry National Institute of Standards and Technology traceability certification furnished free with each set and individual blocks. They comply with Federal Specifications GGG-G15c and every block receives 6 individual inspections to assure parallelism, flatness, and size within Federal Specifications for its grade. Separate certification listing the actual gage block size deviation from nominal size is also provided free with all sets.

Exceptional Wrangability...The finest surface finish commercially available makes these gage blocks wring together with tenacity which is essential to achieve maximum accuracy with stacked blocks. All grades are finished with 0.4aa microinch (.02 μ m).

Dimensional Stability...A special process of sub-zero-to-tempering-heat stabilizing cycles imparts near-permanent size.

Superior Wearability...Stabilized chromium steel (52100) goes into all gage blocks. Stress relieved and heat treated to a uniform high 66 RC hardness assures superior wear life and linear co-efficient of expansion nearly identical to parts made of steel.

Side Etching and Individual Numbering ...All blocks are side etched for instant identification—size is always visible and the chance of particles collecting on block faces is minimal. All gage blocks are individually numbered which is essential for calibration reports and block usage records.



Standards for Fowler Premium Gage Blocks

Grades	Fed. Spec. Grade	Length Tolerances in Microinches			
		Thru 1"	2"	3"	4"
AA	No. 1	±2	±4	±5	±6
A+	No. 2	+4 -2	+8 -4	+10 -5	+12 -6

Grades	Fed. Spec. Grade	Flatness & Parallelism in Microinches		**Surface Finish AA (Arithmetic Average)	**Surface Texture (Predominant Peak to Valley Height)
		.100 to 2"	Over 2"		
AA	No. 1	2	3	.4	1.6
A+	No. 2	3	4	.4	1.6

**Surface finish and surface texture in microinches.

Steel Gage Block Sets—Inch— with 81 Pieces is comprised of the four basic increment series: .0001, .001, .050 and 1.000". This set meets the general all-around gaging requirements of most plants....makes over 120,000 different measurements. A 92 compartment case will accommodate additional blocks as needed. The set would become more flexible with the addition of wear blocks especially when used by more than one inspector. Individual serial numbers for ease in identification.

Steel Gage Block Sets—Inch— with 34 Pieces provide block combinations to make over 80,000 measurements. A utility set that makes an ideal companion to other sets of blocks. Used by individuals, toolmakers or inspectors who have access to larger sets.



Order NO.	Federal Spec. Grade	Grade	Blocks Per Set	Blocks Included in Each Set
Rectangular Steel—Inch Series:				
53-678-081	1	AA	81	9 Blocks .1001" thru .1009" step of .0001"
53-679-081	2	A+	81	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"
53-678-034	1	AA	34	9 Blocks .1001" thru .1009" step of .0001"
53-679-034	2	A+	34	9 Blocks .101" thru .109" step of .001" 9 Blocks .110" thru .190" step of .010" 4 Blocks .100", .200", .300" and .500" step of .100" 3 Blocks 1.000", 2.000", 4.000" step of 1.000"
Square Steel—Inch Series:				
53-678-082	1	AA	81	9 Blocks .1001" thru .1009" step of .0001"
53-679-082	2	A+	81	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"
53-678-035	1	AA	34	9 Blocks .1001" thru .1009" step of .0001"
53-679-035	2	A+	34	9 Blocks .101" thru .109" step of .001" 9 Blocks .110" thru .190" step of .010" 4 Blocks .100", .200", .300" and .500" step of .100" 3 Blocks 1.000", 2.000", 4.000" step of 1.000"