



GAGE BLOCK SETS



Manufactured by some of the world's leading gage block manufacturers and used in many of the world's leading factories and laboratories. Manufactured to highest precision standards, meeting or exceeding Federal specifications. All sets have individual serial numbers and are supplied with individual inspection certificates, showing the exact measurement of each block. Indexed wooden case furnished with each set.

GRADES AND TOLERANCES (Length)
Maximum permissible errors.
Units = 1 millionth of an inch

Size of Gauge Up to and including	1(AA)	Grade 2(A+)	3(A+B)	B
1"	+2 -2	+4 -2	+8 -4	+10 -6
2"	+4 -4	+8 -4	+16 -8	+20 -12
3"	+5 -5	+10 -5	+20 -10	+30 -18
4"	+6 -6	+12 -6	+24 -12	+40 -24

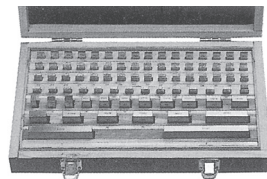
81 pc. sets consist of the following blocks:	36 pc. sets consist of the following blocks:
9 blocks from .1001" to 1.009" 49 blocks from .101" to .149" 19 blocks from .050" to .950" 4 blocks from 1.000" to 4.000"	1 block .050" 10 blocks from .1000" to .1009" 9 blocks from .101" to .109" 9 blocks from .110" to .190" 4 blocks from .200" to .500" 3 blocks 1.000" - 2.000" - 4.000"

PRECISION TOOLS

GAGE BLOCK SETS
SERIES 224:



Can be supplied with a certificate traceable to the U.S. National Bureau of Standards. Please inquire for price and delivery.



METRIC GAGE BLOCK SET
SERIES 224:



Consists of the following blocks:
9 blocks 1.001 - 1.009 in 0.001mm steps
49 blocks 1.01 - 1.49 in 0.01mm steps
19 blocks 0.5 - 9.5 in 0.5mm steps
10 blocks 10 - 100 in 10mm steps

Pieces	Grade	Order No.	Price
87	2	2240873	

Can be supplied with a certificate traceable to the U.S. National Bureau of Standards. Please inquire for price and delivery.

Starrett Webber	
81 pc. Grade B Rectangular Set. Includes: Certificate of Calibration traceable to NIST.	
Order No.	99923
Price	

Pieces	Grade	Order No.	Price
RECTANGULAR			
81	2	1575281	
81	3	1575381	
81	B	1550810	
36	2	1575236	
36	3	1575336	
36	B	1550036	
SQUARE			
81	2	1560281	
81	3	1560381	
81	B	1560481	

CARBIDE GAGE BLOCK SET
SERIES 224:



Used when continuous handling would wear out standard steel blocks.

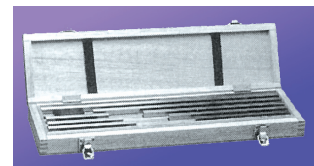
- Rectangular
- All blocks are carbide.
- Superior coefficient ratio.
- Extremely high corrosion resistance.



Pieces	Grade	Order No.	Price
81	2	2240000	

Can be supplied with a certificate traceable to the U.S. National Bureau of Standards. Please inquire for price and delivery.

STEEL GAGE BLOCK SETS- LONG SIZES
SERIES 224:



8 Piece Set Includes 5", 6", 7", 8", 10", 12", 16", 20"

Grade 2		Grade 3		Grade B	
Order No.	Price	Order No.	Price	Order No.	Price
2420082		2420083		2420084	

Can be supplied with a certificate traceable to the U.S. National Bureau of Standards. Please inquire for price and delivery.

RECTANGULAR STEEL GAGE BLOCK SETS IN CASE

SERIES 793:

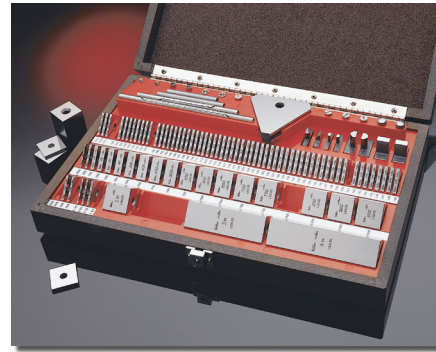
METRIC sets available, please inquire.



The quality of Starrett-Webber is your assurance of accuracy year after year. Steel blocks have a Rockwell hardness of 65 ± 1/2 "C" scale, and feature unusually fine hard grain structure which gives them a lifetime of wear and abrasion. Starrett-Webber standards of surface finish are actually higher than government requirements.

STEEL GAGE BLOCKS

Catalog No.	EDP No.	Acc. Grade	Blocks Per Set	Measuring Range	Price*
RS81.A1	92913	Webber Grade, A1 / B89.1.9 Grade 0	81	.100-12.000" in steps of .001"/.200-12.000" in steps of .0001"	
RS88.A1	92802		88	.001-12.000" in steps of .001"/.200-12.000" in steps of .0001"/.300-12.000" in steps of .000025"/1/16 - 12.000" in steps of 1/64"	
RS92.A1	92804		92	.001-12.000" in steps of .001"/.200-12.000" in steps of .0001"/.300-12.000" in steps of .000025"/1/64 - 12.000" in steps of 1/64"	
RS38.A1	92807		38	.100-4.000" in steps of .001"/.150-4.000" in steps of .0001"/.200 -.4000" in steps of .00005"	
RS36.A1	99023		34	.200-8.000" in steps of .001"/.300-8.000" in steps of .0001"	
RS28.A1	93058		28	.020 -.240" in steps of .001"/.040 -.240" in steps of .0001"/.060 -.240" in steps of .00005"	
RS9.A1	92939	9	.0625-4.000" in steps of .0625"/.100-4.000" in steps of .100"		



SQUARE STEEL GAGE BLOCK SETS IN CASE



STEEL GAGE BLOCKS

Catalog No.	EDP No.	Acc. Grade	Blocks Per Set	Measuring Range	Price*
SS81.A1	92844	Webber Grade, A1 / B89.1.9 Grade 0	81	.100-12.000" in steps of .001"/.200-12.00 in steps of .0001"	
SS88.A1	92850		88	.100-12.000" in steps of .001"/200-12.000" in steps of .0001"/.300-12.000" in steps of .000025"/ 1/16-12.000" in steps of 1/64"	
SS36.A1	92852		36	.200-8.000" in steps of .001"/.300-8.000" in steps of .0001"	
SS28.A1	92856		28	0.20-.240" in steps of .001"/.040-.240" in steps of .0001"/.060-.240" in steps of .00005"	
SS8.A1X	92994		8	5.000-84" in steps of 1.000"	
SS8.AAX	93675		8	5.000-84" in steps of 1.000"	

***CROBLOX® GAGE BLOCKS**

Catalog No.	EDP No.	Acc. Grade	Blocks Per Set	Measuring Range	Price*
RC81.A1	92885	Webber Grade, A1 / B89.1.9 Grade 0	81	.100-12.000" in steps of .001"/.200-12.000" in steps of .0001"	
RC88.A1	92898		88	.001-12.000" in steps of .001"/.200-12.000" in steps of .0001"/.300-12.000" in steps of .000025"/1/16 - 12.000" in steps of 1/64"	
RC34.A1	92390		34	.200-8.000" in steps of .001"/.300-8.000" in steps of .0001"	
RC28.A1	92908		28	.020 -.240" in steps of .001"/.040 -.240" in steps of .0001"/.060 -.240" in steps of .00005"	

***CROBLOX® GAGE BLOCKS**

Catalog No.	EDP No.	Acc. Grade	Blocks Per Set	Measuring Range	Price*
SC81.A1	92818	Webber Grade, A1 / B89.1.9 Grade 0	81	.100-12.000" in steps of .001"/.200-12.00 in steps of .0001"	
SC88.A1	92830		88	.100-12.000" in steps of .001"/200-12.000" in steps of .0001"/.300-12.000" in steps of .000025"/ 1/16-12.000" in steps of 1/64"	
SC36.A1	92840		36	.200-8.000" in steps of .001"/.300-8.000" in steps of .0001"	

*NOTE: Sets include etched serial numbers and NVLAP Accredited Commercial Grade Calibration.



Individual blocks available.

Complete accessory kits and individual accessories available; please inquire.

All sets also available in Webber Grade AA / B89.1 Grade 00; please inquire.

*Croblox® Chromium Carbide gage blocks are considered the top of the line - the finest available. They outwear regular steel and ceramic. In addition, they will not corrode and are very **stable and accurate**, and have exceptional "wringing" qualities

PRECISION TOOLS



Ceramic Gage Blocks available; please inquire.

Mitutoyo
GAGE BLOCK SETS
SERIES 516:

Metric Gage Blocks available; please inquire.



MITUTOYO Gage Blocks are now available either in rectangular or square, Inch or Metric, individually or in sets. All gage blocks are made of a special steel alloy which possesses excellent stability and thermal expansion coefficient for most measuring applications. Each block is manufactured and calibrated to MITUTOYO Specifications which meet or exceed Federal Specifications GGG-G-15C. Each block is serialized regardless of the grade so that it can be easily identified when the block is re-calibrated at a later date. The quality of the surface finish on MITUTOYO Blocks has been tested and compared by our users. The result indicates that MITUTOYO Gage Blocks have a superior surface finish.

- All MITUTOYO Gage Blocks meet or exceed Federal Specifications GGG-G-15C. (except B-Grade.)
- All MITUTOYO Gage Block Sets (except B-Grade) are furnished with a

Certificate of Calibration without extra charge, and are traceable to the National Bureau of Standards.

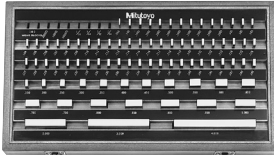
- The rugged wooden box has index numbers and is specially treated to keep moisture away from the blocks. The underside of the case has four soft pads to prevent slippage.
- All gage block edges have blended radius, and are burr-proofed. Wringing or stacking the block does not cause damage to the measuring surfaces.

A Certificate of Accuracy, traceable to the National Bureau of Standards, is furnished with each MITUTOYO gage block set and individual block. It indicates the actual size of each block to the closest millionth of an inch. This Certificate, a highly important part of gage block use, is automatically provided with sets or individual blocks at no additional cost.

PRECISION TOOLS

RECTANGULAR GAGE BLOCK SETS

SERIES 516:



Note: Mitutoyo adds a - 26 - to our Order Numbers.



Number of Blocks / Grade	Block Combination in Set	Order No.	Price
81 / 1 (AA)	9 Blks .1001 - .1009 in .0001" steps	516901	
81 / 2 (A+)	49 Blks .101 - .149 in .001" steps	516902	
81 / 3 (A&B)	19 Blks .050 - .950 in .050" steps	516903	
81 / B*	4 Blks 1.000 - 4.000 in 1.000" steps	516904	
35 / 2 (A+)	1 Blk .10005" 9 Blks .1001 - .1009 in .0001" steps 9 Blks .101 - .109 in .001" steps 10 Blks .10 - .190 in .01" steps	516914	
35 / 3 (A&B)	3 Blks .200, .300 and .500" 3 Blks 1.000, 2.000 and 4.000"	516915	
9 / 2 (A+)		516930	
9 / 3 (A&B)	2 Blocks .0625 and .1000" 1 Block .125" 3 Blocks .200, .250 and .300" 3 Blocks .500, 1.000 and 2.000"	516931	
9 / 3 (A&B)		516935	

Mitutoyo LONG GAGE BLOCK SETS

SERIES 516:

Mitutoyo

No. of Blocks / Grade	Block Combination in Set	Order No.	Price
8 / 2 (A+)	1", 2", 3", 4", 5", 6", 7", 8"	516126	
8 / 2 (A+)	5", 6", 7", 8", 10", 12", 16", 20"	516712	
8 / 3 (A+B)	5", 6", 7", 8", 10", 12", 16", 20"	516713	

SQUARE GAGE BLOCK SETS

SERIES 516:

Mitutoyo



THIN GAGE BLOCK SETS

SERIES 516:
(RECTANGULAR)



Mitutoyo

No. of Blocks / Grade	Block Combination in Set	Order No.	Price
10 / 2 (A+)	.005", .010", .015", .020", .025", .030", .035", .040", .045", .050"	516926	
10 / 3 (A+B)	.005", .010", .015", .020", .025", .030", .035", .040", .045", .050"	516927	





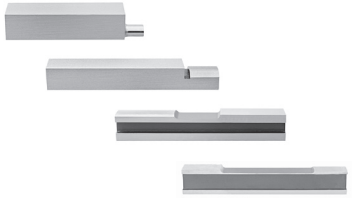




No. of Blocks / Grade	Block Combination in Set	Order No.	Price
81 / 1 (AA)	1 Blk .050"	516401	
81 / 2 (A+)	10 Blks .100" - .1009" in .0001" steps	516402	
81 / 3 (A+B)	49 Blks .101" - .149" in .001" steps	516403	
81 / B	17 Blks .150" - .950" in .05" steps 4 Blks 1.000" - 4.000" in 1.000" steps	516404	
36 / 2 (A+)	1 Blk .050" 10 Blks .1000" - .1009" in .0001" steps 9 Blks .101" - .109" in .001" steps 9 Blks .11" - .19" in .01" steps	516422	
36 / 3 (A+B)	4 Blks .2" - .5" in .1" steps 3 Blks 1", 2", 4"	516423	

GAGE BLOCK ACCESSORIES

FOR RECTANGULAR BLOCKS
SERIES 226:



LIMITED QUANTITY

	Description / Use	Quantity	Order No.	Price	
	Base Block - Gage Block mounting surface lapped flat and parallel with base. Size of base : 4" x 2-3/4" x 1.7"	1	1565101		
	Scriber Point - Used for scribing lines	1	1565102		
	Center Point - Used for locating centers	1	1565103		
	Points - Used for checking graduations	Pair	1565204		
	Cylindrical Jaws - Used for inside and outside measurements and setting of instruments accuracy	.100" Radius Size	Pair	1565205	
		.200" Radius Size	Pair	1565206	
		.250" Radius Size	Pair	1565207	
		.500" Radius Size	Pair	1565208	
		.750" Radius Size	Pair	1565209	
	Flat Jaws - Two sides lapped and accurately flat, parallel and to size. .750" Height, 6" long	Pair	1565210		
	Jaws with Reference Lines - used for spacing blocks within limits .0625"	Pair	1565211		
	Jaws with Beveled Ends - .750" Height, 4" Long .750" Height, 6" Long	Pair	1565212		
		Pair	1565213		
	Holders - 2.250" Capacity 4.000" Capacity 6.000" Capacity 10.000" Capacity 16.000" Capacity	1	1565114		
		1	1565115		
		1	1565116		
		1	1565117		
		1	1565118		

PRECISION TOOLS

COMPLETE ACCESSORY SETS FOR RECTANGULAR GAGE BLOCKS

SERIES 226:



LIMITED QUANTITY

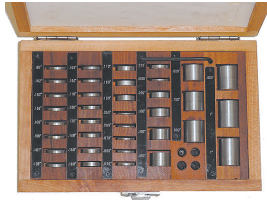
Order No. 1565140 Price 14 pc. Accessory Set Consists of	Description	Order No. 1565270 Price 27 pc. Accessory Set Consists of
1 Pair	.100" Radius Cylindrical Jaws	1 Pair
1 Pair	.200" Radius Cylindrical Jaws	1 Pair
1 Pair	.250" Radius Cylindrical Jaws	1 Pair
1 Pair	.500" Radius Cylindrical Jaws	1 Pair
	.750" Radius Cylindrical Jaws	1 Pair
1 Pair	Jaws-Beveled Ends .750" x 4" L	1 Pair
1 Pair	Jaws-Beveled Ends .750" x 6" L	1 Pair
1 each	Holder 2.250" Capacity	1 each
	Holder 4.000" Capacity	1 each
	Holder 6.000" Capacity	1 each
1 each	Holder 10.000" Capacity	1 each
	Base Block	1 each
	Scriber Point	1 each
	Center Point	1 each
	Points	1 Pair

SPACE BLOCKS

SERIES 227:

Set consists of the following 36 blocks :

- 9 pcs. .101" - .109" by .001"
- 15 pcs. .050" - .190" by .010"
- 9 pcs. .200" - 1.000" by .100"
- 1 pc. .0625"
- 1 pc. .125"
- 1 extra block 1.000"



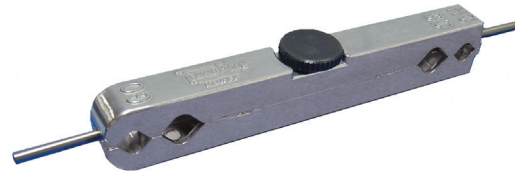
Can often take the place of gage blocks. Outside diameter is .750"; inside diameter has 1/4" - 28 thread for accurately connecting the individual blocks. 4 threaded connecting studs included. Hardened, ground, and lapped to ±.0001". Supplied in fitted wooden case.

Order No. 1570036	Price	
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PLUG GAGE HANDLE

SERIES 463:



Handles all Plug Gage sizes from 1/32" thru 1/2", 0.79 to 12.7mm diameter. GO and NO-GO clearly marked.

STAR USA - Order No. 4630000	Price	
MEDA - Order No. 4630567	Price	



PRECISION TOOLS

PLUG GAGE SETS

SERIES 463:

Each gage is :

- Centerless lapped to a 10 micro finish or better
- 2" Long
- Hardened to 60 - 62 RC.
- Electro etched with size (over .060")

Useful for checking locations, measuring hole sizes and depths, GO and NO-GO gaging, setting micrometers, checking distances between holes etc.



Larger sets available. See our website or inquire

PLUS TOLERANCE SETS + .0002" - .0000"

MINUS TOLERANCE SETS - .0002" + .0000"

Range	No. of Mem	Order No.	Price	Range	No. of Mem	Order No.	Price
.011" - .060"	50	4630001		.011" - .060"	50	4630100	
.061 - .250	190	4630010		.061 - .250	190	4630110	
.251 - .500	250	4630020		.251 - .500	250	4630120	
.501 - .625	125	4630030		.501 - .625	125	4630130	
.626 - .750	125	4630040		.626 - .750	125	4630140	

CLASS ZZ REPLACEMENT PINS

SERIES 987:

Keep old sets in compliance!

Replace missing, damaged, or worn-out Class ZZ gages from your existing sets & libraries. These replacement pins are perfect in updating your old sets, and bringing them back into compliance. Each pin is individually marked with size and direction of tolerance. Packaged with a rust preventative, these pins maintain an indefinite shelf life; so keep several of your most used sizes on hand! Each pin is NIST traceable and includes a Certificate of Accuracy printed on back of package.

- Class ZZ (.0002" or .005mm tolerance)
- Go (Plus) or NoGo (Minus)
- NIST traceable
- .0005", or .01mm sizes
- .001" or .02mm set increments
- 52100 tool steel; 60/62 Rc
- 2" long
- 10 microinch finish or better
- within .0001" round
- marked with size & direction of tolerance on gages over .060"
- Certificate of Accuracy included



For CLASS X Replacement Pins, see page 428.

Range	Partial Order No.*		Price
	Plus	Minus	
INCH			
.0040" to .0105"	9870001	9870101	
.0110" to .0605"	9870002	9870102	
.0610" to .5005"	9870003	9870103	
.5010" to .6255"	9870004	9870104	
.6260" to .7505"	9870005	9870105	
.7510" to .8325"	9870006	9870106	
.8330" to .9165"	9870007	9870107	
.9170" to 1.0005"	9870008	9870108	
METRIC			
0.20mm to 1.29mm	9870009	9870109	
1.30mm to 4.99mm	9870010	9870110	
5.00mm to 9.99mm	9870011	9870111	
10.00mm to 13.99mm	9870012	9870112	
14.00mm to 16.49mm	9870013	9870113	
16.50mm to 18.99mm	9870014	9870114	
19.00mm to 20.99mm	9870015	9870115	
21.00mm to 22.49mm	9870016	9870116	
22.50mm to 23.99mm	9870017	9870117	
24.00mm to 25.49mm	9870018	9870118	

*Specific size must be added to these partial Order Numbers