

Pin Gage Sets

Inch Sets

- Laser marking size, size is quite clear.
- Each set has a certificate, to state the accuracy of each size.
- Smooth finish 10 micro or better
- Uniform 2" length.
- A must for checking hole diameter & distance between holes and hole location.
- Sizes marked on storage case.
- All gages within 0.0002".



Set with Handle



Set without Handle

No. of Piece	Type	Size	Set w/o Handle Order No.	Set with Handle Order No.
50	M0 Plus	0.011 to 0.060	616-8100	616-8600
50	M0 Minus	0.011 to 0.060	616-8101	616-8601
190	M1 Plus	0.061 to 0.250	616-8110	616-8610
190	M1 Minus	0.061 to 0.250	616-8111	616-8611
250	M2 Plus	0.251 to 0.500	616-8120	616-8620
250	M2 Minus	0.251 to 0.500	616-8121	616-8621
125	M3 Plus	0.501 to 0.625	616-8130	616-8630
125	M3 Minus	0.501 to 0.625	616-8131	616-8631
125	M4 Plus	0.626 to 0.750	616-8140	616-8640
125	M4 Minus	0.626 to 0.750	616-8141	616-8641
82	M5 Plus	0.751 to 0.832	616-8150	616-8650
82	M5 Minus	0.751 to 0.832	616-8151	616-8651
84	M6 Plus	0.833 to 0.916	616-8160	616-8660
84	M6 Minus	0.833 to 0.916	616-8161	616-8661
84	M7 Plus	0.917 to 1.000	616-8170	616-8670
84	M7 Minus	0.917 to 1.000	616-8171	616-8671

Metric Sets

- Heat treated to a hardness of 60/62 HRC.
- 50mm overall length with sharp corners broken.
- Sets include fitted wooden case.



No. of Piece	Range(mm)	Step (mm)	Tolerance					
			+0.002mm Order No.	-0.002mm Order No.	+/-0.001mm Order No.	+/-0.002mm Order No.	+0.005mm Order No.	-0.005mm Order No.
71	0.3-1.00	0.01	616-3071	616-4071	616-5071	616-6071	616-7071	616-9071
100	1.01-2.00	0.01	616-3102	616-4102	616-5102	616-6102	616-7102	616-9102
100	2.01-3.00	0.01	616-3103	616-4103	616-5103	616-6103	616-7103	616-9103
100	3.01-4.00	0.01	616-3104	616-4104	616-5104	616-6104	616-7104	616-9104
100	4.01-5.00	0.01	616-3105	616-4105	616-5105	616-6105	616-7105	616-9105
100	5.01-6.00	0.01	616-3106	616-4106	616-5106	616-6106	616-7106	616-9106
100	6.01-7.00	0.01	616-3107	616-4107	616-5107	616-6107	616-7107	616-9107
100	7.01-8.00	0.01	616-3108	616-4108	616-5108	616-6108	616-7108	616-9108
100	8.01-9.00	0.01	616-3109	616-4109	616-5109	616-6109	616-7109	616-9109
100	9.01-10.00	0.01	616-3111	616-4111	616-5111	616-6111	616-7111	616-9111
900	1.01-10.00	0.01	616-3900	616-4900	616-5900	616-6900	616-7900	616-9900
86	.030-2.00	0.02	616-3086	616-4086	616-5086	616-6086	616-7086	616-9086
100	2.02-4.00	0.02	616-3114	616-4114	616-5114	616-6114	616-7114	616-9114
100	4.02-6.00	0.02	616-3116	616-4116	616-5116	616-6116	616-7116	616-9116
100	6.02-8.00	0.02	616-3118	616-4118	616-5118	616-6118	616-7118	616-9118
100	8.02-10.00	0.02	616-3119	616-4119	616-5119	616-6119	616-7119	616-9119
95	0.30-5.00	0.05	616-3095	616-4095	616-5095	616-6095	616-7095	616-9095
100	5.05-10.00	0.05	616-3022	616-4022	616-5022	616-6022	616-7022	616-9022
48	0.30-5.00	0.10	616-3048	616-4048	616-5048	616-6048	616-7048	616-9048
98	0.30-10.00	0.10	616-3098	616-4098	616-5098	616-6098	616-7098	616-9098
41	1.00-5.00	0.10	616-3041	616-4041	616-5041	616-6041	616-7041	616-9041
91	1.00-10.00	0.10	616-3091	616-4091	616-5091	616-6091	616-7091	616-9091
101	10.00-20.00	0.10	616-3101	616-4101	616-5101	616-6101	616-7101	616-9101
40	0.50-20.00	0.50	616-3040	616-4040	616-5040	616-6040	616-7040	616-9040
20	1.00-20.00	1.00	616-3020	616-4020	616-5020	616-6020	616-7020	616-9020
5	0.300-1.525	0.025	616-3050	616-4050	616-5050	616-6050	616-7050	616-9050
190	1.550-6.275	0.025	616-3190	616-4190	616-5190	616-6190	616-7190	616-9190
140	6.300-9.775	0.025	616-3140	616-4140	616-5140	616-6140	616-7140	616-9140
110	9.800-12.525	0.025	616-3110	616-4110	616-5110	616-6110	616-7110	616-9110
61	13.000-19.000	0.100	616-3061	616-4061	616-5061	616-6061	616-7061	616-9061

Steel Pin Gage Sets

Class "ZZ", ± 0.0002 " Tol.

- Go/No-Go gage handle furnished with each set
- Consists of 3,4 Drawer Cabinets



Size Range	Gage Set No.	Plus Order No.	Minus Order No.
.011-.750	M0 to M4	616-8184	616-8185
.061-.750	M1to M4	616-8190	616-8191
.061-.5005	M1to M3	616-8186	616-8187
.011-.5005	M0 to M3	616-8188	616-8189
.061-1.000	M1 to M7	616-8194	616-8195
.011-1.000	M0 to M7	616-8196	616-8197
.751-1.000	M5 to M7	616-8198	616-8199

Ceramic Pin Gage Sets

- Superior abrasion resistance prolongs service life.
- Because ceramic pin gage are free from corrosion, they can be handled with bare hands do not require special maintenance or rust prevention treatment.
- Similar coefficient of thermal expansion to steel, it can be used for measuring steel parts.



Size(mm)	Steps	Length	Tol: $\pm 1\mu\text{m}$ Round: $0.8\mu\text{m}$ Order No.	Tol: $\pm 2\mu\text{m}$ Round: $1.0\mu\text{m}$ Order No.
1.01-2.00	0.01mm	32mm	616-1001	616-1011
2.01-3.00	0.01mm	32mm	616-1002	616-1012
3.01-4.00	0.01mm	40mm	616-1003	616-1013
4.01-5.00	0.01mm	40mm	616-1004	616-1014
5.01-6.00	0.01mm	40mm	616-1005	616-1015
6.01-7.00	0.01mm	50mm	616-1006	616-1016
7.01-8.00	0.01mm	50mm	616-1007	616-1017
8.01-9.00	0.01mm	50mm	616-1008	616-1018
9.01-10.00	0.01mm	50mm	616-1009	616-1019

Inch Gage Block Sets

Gage Block Accuracy Table

- Higher degree of accuracy when used at temperature of 68° F(20°C).
- Individual serial numbers on each block, regardless of grade.
- A complete certificate of calibration traceable to the N.I.S.T. showing the deviation of each block.
- All sets are supplied in deluxe fitted wood case.
- All sets meet or exceed Fed.Spec. ASME B89.1.9-2002
- Mirror polished surfaces provide superior wringing characteristics.

Nominal Size	Tolerances(in millionths of an inch)			
	Grade 0	Grade AS-1	Grade AS-2	Grade Economy
Thru .050	+/-6	+/-12	+/-24	
Thru .400	+/-5	+/-8	+/-18	
Thru 1"	+/-6	+/-12	+/-24	+/-50
Thru .2"	+/-8	+/-16	+/-32	
Thru .3"	+/-10	+/-20	+/-40	
Thru .4"	+/-12	+/-24	+/-48	

36 Piece Rectangular Gage Block Sets

Sets Included:

- 1 Blocks: 0.050"
- 9 Blocks: 0.1001"-0.1009" by 0.0001" steps
- 9 Blocks: 0.101"-0.109" by 0.001" steps
- 9 Blocks: 0.110"-0.190" by 0.010" steps
- 5 Blocks: 0.100"-0.500" by 0.100" steps
- 3 Blocks: 1, 2, 4"

Grade	Steel Order No.	Solid Carbide Order No.
0	630-4100	125-0362
AS-1	630-4103	125-0363
AS-2	630-4104	125-0364
Economy	630-4105	125-0365



81 Piece Steel Square Gage Block Sets

Sets Included:

- 1 Blocks: 0.050"
- 10 Blocks: 0.1000"-0.1009" by 0.0001 steps
- 49 Blocks: 0.101"-0.149" by 0.001" steps
- 17 Blocks: 0.150"-0.950" by 0.050" steps
- 4 Blocks: 1.000"-4.000" by 1.000" steps

Grade	Order No.
0	630-4120
AS-1	630-4123
AS-2	630-4124
Economy	630-4125



81 Piece Rectangular Gage Block Sets

Sets Included:

- 1 Blocks: 0.050"
- 10 Blocks: 0.1000"-0.1009" by 0.0001 steps
- 49 Blocks: 0.101"-0.149" by 0.001" steps
- 17 Blocks: 0.150"-0.950" by 0.050" steps
- 4 Blocks: 1.000"-4.000" by 1.000" steps

Grade	Steel Order No.	Solid Carbide Order No.
0	630-4110	125-0812
AS-1	630-4113	125-0813
AS-2	630-4114	125-0814
Economy	630-4115	125-0815



Inch Ceramic Gage Block Sets

Grade	36 Piece Order No.	81 Piece Order No.
0	631-0362	631-0812
AS-1	631-0363	631-0813
AS-2	631-0364	631-0814
Economy	631-0365	631-0815

