

Gauge Blocks

Length Standards Brought to You by Mitutoyo

Individual Metric Rectangular Gauge Blocks

- If using only one length repeatedly, it is suggested to purchase individual gauge blocks.
- Nominal sizes which are not included in the chart below can be supplied custom-made on request.
- Each Grade K gauge block to ISO/DIN/ JIS, BS or ASME standard is supplied with a Certificate of Calibration which certifies that the gauge block was calibrated by interferometry.



SPECIFICATIONS

Metric Blocks

Length (mm)	Order No.*	
	Steel	CERA
0.1	611821	—
0.11	611860	—
0.12	611861	—
0.13	611862	—
0.14	611863	—
0.15	611822	—
0.16	611864	—
0.17	611865	—
0.18	611866	—
0.19	611867	—
0.2	611823	—
0.21	611868	—
0.22	611869	—
0.23	611870	—
0.24	611871	—
0.25	611824	—
0.26	611872	—
0.27	611873	—
0.28	611874	—
0.29	611875	—
0.3	611825	—
0.31	611876	—
0.32	611877	—
0.33	611878	—
0.34	611879	—
0.35	611826	—
0.36	611880	—
0.37	611881	—
0.38	611882	—
0.39	611883	—
0.4	611827	—
0.41	611884	—
0.42	611885	—
0.43	611886	—
0.44	611887	—
0.45	611828	—
0.46	611888	—
0.47	611889	—
0.48	611890	—
0.49	611891	—
0.5	611506	613506
0.51	611892	—
0.52	611893	—

Length (mm)	Order No.*	
	Steel	CERA
0.53	611894	—
0.54	611895	—
0.55	611896	—
0.56	611897	—
0.57	611898	—
0.58	611899	—
0.59	611900	—
0.6	611901	—
0.61	611902	—
0.62	611903	—
0.63	611904	—
0.64	611905	—
0.65	611906	—
0.66	611907	—
0.67	611908	—
0.68	611909	—
0.69	611910	—
0.7	611911	—
0.71	611912	—
0.72	611913	—
0.73	611914	—
0.74	611915	—
0.75	611916	—
0.76	611917	—
0.77	611918	—
0.78	611919	—
0.79	611920	—
0.8	611921	—
0.81	611922	—
0.82	611923	—
0.83	611924	—
0.84	611925	—
0.85	611926	—
0.86	611927	—
0.87	611928	—
0.88	611929	—
0.89	611930	—
0.9	611931	—
0.91	611932	—
0.92	611933	—
0.93	611934	—
0.94	611935	—
0.95	611936	—

Length (mm)	Order No.*	
	Steel	CERA
0.96	611937	—
0.97	611938	—
0.98	611939	—
0.99	611940	—
0.991	611551	613551
0.992	611552	613552
0.993	611553	613553
0.994	611554	613554
0.995	611555	613555
0.996	611556	613556
0.997	611557	613557
0.998	611558	613558
0.999	611559	613559
1	611611	613611
1.0005	611520	613520
1.001	611521	613521
1.002	611522	613522
1.003	611523	613523
1.004	611524	613524
1.005	611525	613525
1.006	611526	613526
1.007	611527	613527
1.008	611528	613528
1.009	611529	613529
1.01	611561	613561
1.02	611562	613562
1.03	611563	613563
1.04	611564	613564
1.05	611565	613565
1.06	611566	613566
1.07	611567	613567
1.08	611568	613568
1.09	611569	613569
1.1	611570	613570
1.11	611571	613571
1.12	611572	613572
1.13	611573	613573
1.14	611574	613574
1.15	611575	613575
1.16	611576	613576
1.17	611577	613577
1.18	611578	613578
1.19	611579	613579



An inspection certificate is supplied as standard. Refer to page E-4 for details.

*Suffix Number (-■■■) for Selecting Standard and Certificate Provided

ISO/DIN/JIS	Suffix No.	Grade	Inspection Certificate	Calibration Certificate	
				JCSS	RvA
-016	K	✓	✓	—	
-021	0	✓	—	—	
-026	0	✓	✓	—	
-031	1	✓	—	—	
-036	1	✓	✓	—	
-041	2	✓	—	—	
-046	2	✓	✓	—	

ASME

Suffix No.	Grade	Inspection Certificate	Calibration Certificate
			JCSS
-516	K	✓	✓
-521	00	✓	—
-531	0	✓	—
-541	1	✓	—
-551	2	✓	—

BS

Suffix No.	Grade	Inspection Certificate	Calibration Certificate
			JCSS
-116	K	✓	✓
-121	0	✓	—
-126	0	✓	✓
-131	1	✓	—
-136	1	✓	✓
-141	2	✓	—
-146	2	✓	✓



Inspection Certificate

Note: Details of the overall sizes for forms of block are given on page E-3 and the accuracy standards to which they are manufactured are given on page E-5.

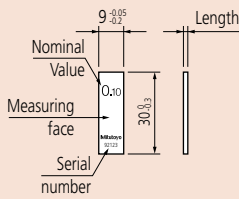


An inspection certificate is supplied as standard. Refer to page E-4 for details.

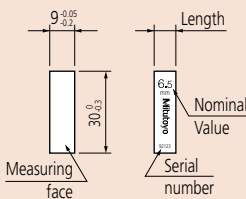
Dimensions

Unit: mm

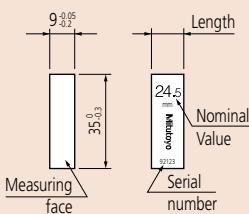
Nominal length:
0.1 mm-5.5 mm
(0.004 in-0.25 in)



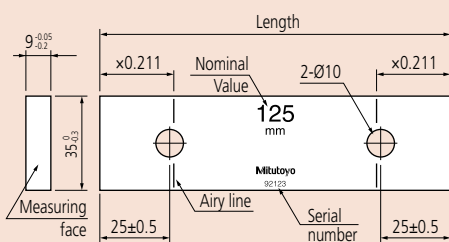
Nominal length:
6 mm-10 mm
(0.3 in-0.4 in)



Nominal length:
10.3 mm-100 mm
(0.45 in-4 in)



Nominal length 125 mm-1000 mm (5 in-20 in)



Length (mm)	Order No.*	
	Steel	CERA
1.2	611580	613580
1.21	611581	613581
1.22	611582	613582
1.23	611583	613583
1.24	611584	613584
1.25	611585	613585
1.26	611586	613586
1.27	611587	613587
1.28	611588	613588
1.29	611589	613589
1.3	611590	613590
1.31	611591	613591
1.32	611592	613592
1.33	611593	613593
1.34	611594	613594
1.35	611595	613595
1.36	611596	613596
1.37	611597	613597
1.38	611598	613598
1.39	611599	613599
1.4	611600	613600
1.41	611601	613601
1.42	611602	613602
1.43	611603	613603
1.44	611604	613604
1.45	611605	613605
1.46	611606	613606
1.47	611607	613607
1.48	611608	613608
1.49	611609	613609
1.5	611641	613641
1.6	611516	613516
1.7	611517	613517
1.8	611518	613518
1.9	611519	613519
2	611612	613612
2.0005	611690	—
2.001	611691	—
2.002	611692	—
2.003	611693	—
2.004	611694	—
2.005	611695	—
2.006	611696	—
2.007	611697	—
2.008	611698	—
2.009	611699	—
2.01	611701	—
2.02	611702	—
2.03	611703	—
2.04	611704	—
2.05	611705	—
2.06	611706	—
2.07	611707	—
2.08	611708	—
2.09	611709	—
2.1	611710	—
2.11	611711	—
2.12	611712	—
2.13	611713	—
2.14	611714	—
2.15	611715	—
2.16	611716	—

Length (mm)	Order No.*	
	Steel	CERA
2.17	611717	—
2.18	611718	—
2.19	611719	—
2.2	611720	—
2.21	611721	—
2.22	611722	—
2.23	611723	—
2.24	611724	—
2.25	611725	—
2.26	611726	—
2.27	611727	—
2.28	611728	—
2.29	611729	—
2.3	611730	—
2.31	611731	—
2.32	611732	—
2.33	611733	—
2.34	611734	—
2.35	611735	—
2.36	611736	—
2.37	611737	—
2.38	611738	—
2.39	611739	—
2.4	611740	—
2.41	611741	—
2.42	611742	—
2.43	611743	—
2.44	611744	—
2.45	611745	—
2.46	611746	—
2.47	611747	—
2.48	611748	—
2.49	611749	—
2.5	611642	613642
2.6	611750	—
2.7	611751	—
2.8	611752	—
2.9	611753	—
3	611613	613613
3.5	611643	613643
4	611614	613614
4.5	611644	613644
5	611615	613615
5.1	611850	613850
5.5	611645	613645
6	611616	613616
6.5	611646	613646
7	611617	613617
7.5	611647	613647
7.7	611851	613851
8	611618	613618
8.5	611648	613648
9	611619	613619
9.5	611649	613649
10	611671	613671
10.3	611852	613852
10.5	611650	613650
11	611621	613621
11.5	611651	613651
12	611622	613622
12.5	611652	613652
12.9	611853	613853

Length (mm)	Order No.*	
	Steel	CERA
13	611623	613623
13.5	611653	613653
14	611624	613624
14.5	611654	613654
15	611625	613625
15.5	611655	613655
16	611626	613626
16.5	611656	613656
17	611627	613627
17.5	611657	613657
17.6	611854	613854
18	611628	613628
18.5	611658	613658
19	611629	613629
19.5	611659	613659
20	611672	613672
20.2	611855	613855
20.5	611660	613660
21	611631	613631
21.5	611661	613661
22	611632	613632
22.5	611662	613662
22.8	611856	613856
23	611633	613633
23.5	611663	613663
24	611634	613634
24.5	611664	613664
25	611635	613635
25.25	611754	613754
30	611673	613673
35	611755	613755
40	611674	613674
41.3	611857	613857
45	611756	613756
50	611675	613675
60	611676	613676
70	611677	613677
75	611801	613801
80	611678	613678
90	611679	613679
100	611681	613681
125	611802	613802
131.4	611858	613858
150	611803	613803
175	611804	613804
200	611682	613682
250	611805	613805
300	611683	613683
400	611684	613684
500	611685	613685
600	611840	—
700	611841	—
750	611842	—
800	611843	—
900	611844	—
1000	611845	—

Metric Wear Blocks

Length (mm)	Order No.*
	Tungsten carbide
1	612611
2	612612

Note: Details of the overall sizes for forms of block are given on page E-3 and the accuracy standards to which they are manufactured are given on page E-5.

Gauge Blocks

Length Standards Brought to You by Mitutoyo

Individual Inch Rectangular Gauge Blocks

SPECIFICATIONS

Inch Blocks

Length (inch)	Order No.*		Length (inch)	Order No.*		Length (inch)	Order No.*	
	Steel	CERA		Steel	CERA		Steel	CERA
0.004	611304	—	0.024	611324	—	0.0625	611303	613303
0.005	611305	—	0.025	611325	—	0.07	611107	—
0.006	611306	—	0.026	611326	—	0.078125 (5/64)	611103	613100
0.007	611307	—	0.027	611327	—	0.08	611108	—
0.008	611308	—	0.028	611328	—	0.09	611109	—
0.009	611309	—	0.029	611329	—	0.09375 (3/32)	611104	613101
0.01	611310	—	0.03	611330	—	0.1	611191	613191
0.011	611311	—	0.031	611331	—	0.100025	611111	613110
0.012	611312	—	0.03125 (1/32)	611101	613103	0.10005	611135	613135
0.013	611313	—	0.032	611332	—	0.100075	611112	613111
0.014	611314	—	0.033	611333	—	0.1001	611121	613121
0.015	611315	—	0.034	611334	—	0.1002	611122	613122
0.016	611316	—	0.035	611335	—	0.1003	611123	613123
0.017	611317	—	0.036	611336	—	0.1004	611124	613124
0.018	611318	—	0.037	611337	—	0.1005	611125	613125
0.019	611319	—	0.038	611338	—	0.1006	611126	613126
0.02	611320	—	0.039	611339	—	0.1007	611127	613127
0.02005	611240	—	0.04	611340	—	0.1008	611128	613128
0.0201	611231	—	0.041	611341	—	0.1009	611129	613129
0.0202	611232	—	0.042	611342	—	0.101	611141	613141
0.0203	611233	—	0.043	611343	—	0.102	611142	613142
0.0204	611234	—	0.044	611344	—	0.103	611143	613143
0.0205	611235	—	0.045	611345	—	0.104	611144	613144
0.0206	611236	—	0.046	611346	—	0.105	611145	613145
0.0207	611237	—	0.046875 (3/64)	611102	613104	0.106	611146	613146
0.0208	611238	—	0.047	611347	—	0.107	611147	613147
0.0209	611239	—	0.048	611348	—	0.108	611148	613148
0.021	611321	—	0.049	611349	—	0.109	611149	613149
0.022	611322	—	0.05	611105	613105	0.109375 (7/64)	611110	613102
0.023	611323	—	0.06	611106	—			

Note: Details of the overall sizes for forms of block are given on page E-3 and the accuracy standards to which they are manufactured are given on page E-5.



An inspection certificate is supplied as standard. Refer to page E-4 for details.

*Suffix Number (-■■■) for Selecting Standard and Certificate Provided

ASME			
Suffix No.	Grade	Inspection Certificate	Calibration Certificate
			JCSS
-516	K	✓	✓
-521	00	✓	—
-531	0	✓	—
-541	1	✓	—
-551	2	✓	—

BS			
Suffix No.	Grade	Inspection Certificate	Calibration Certificate
			JCSS
-121	0	✓	—
-131	1	✓	—
-141	2	✓	—



Inspection Certificate

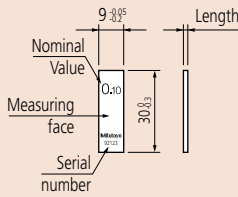


An inspection certificate is supplied as standard. Refer to page E-4 for details.

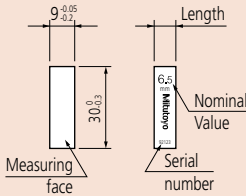
Dimensions

Unit: mm

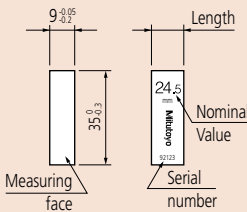
Nominal length:
0.1 mm-5.5 mm
(0.004 in-0.25 in)



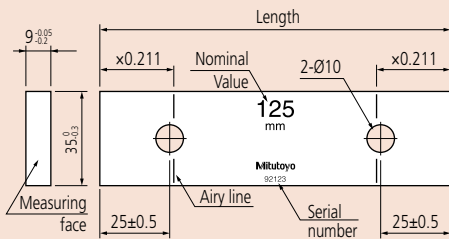
Nominal length:
6 mm-10 mm
(0.3 in-0.4 in)



Nominal length:
10.3 mm-100 mm
(0.45 in-4 in)



Nominal length 125 mm-1000 mm (5 in-20 in)



SPECIFICATIONS

Inch Blocks

Length (inch)	Order No.*	
	Steel	CERA
0.11	611150	613150
0.111	611151	613151
0.112	611152	613152
0.113	611153	613153
0.114	611154	613154
0.115	611155	613155
0.116	611156	613156
0.117	611157	613157
0.118	611158	613158
0.119	611159	613159
0.12	611160	613160
0.121	611161	613161
0.122	611162	613162
0.123	611163	613163
0.124	611164	613164
0.125	611165	613165
0.126	611166	613166
0.127	611167	613167
0.128	611168	613168
0.129	611169	613169
0.13	611170	613170
0.131	611171	613171
0.132	611172	613172
0.133	611173	613173
0.134	611174	613174
0.135	611175	613175
0.136	611176	613176
0.137	611177	613177
0.138	611178	613178

Length (inch)	Order No.*	
	Steel	CERA
0.139	611179	613179
0.14	611180	613180
0.141	611181	613181
0.142	611182	613182
0.143	611183	613183
0.144	611184	613184
0.145	611185	613185
0.146	611186	613186
0.147	611187	613187
0.148	611188	613188
0.149	611189	613189
0.15	611115	613115
0.16	611116	613116
0.17	611117	613117
0.18	611118	613118
0.19	611119	613119
0.2	611192	613192
0.21	611221	613221
0.25	611212	613212
0.3	611193	613193
0.315	611209	613209
0.35	611213	613213
0.375 (3/8)	611113	613112
0.4	611194	613194
0.420	611210	613210
0.45	611214	613214
0.5	611195	613195
0.55	611215	613215
0.6	611196	613196

Length (inch)	Order No.*	
	Steel	CERA
0.605	611211	613211
0.65	611216	613216
0.7	611197	613197
0.710	611220	613220
0.75	611217	613217
0.8	611198	613198
0.815	611226	613226
0.85	611218	613218
0.9	611199	613199
0.920	611227	613227
0.95	611219	613219
1	611201	613201
2	611202	613202
3	611203	613203
4	611204	613204
5	611205	613205
6	611206	613206
7	611207	613207
8	611208	613208
10	611222	613222
12	611223	613223
16	611224	613224
20	611225	613225

Inch Wear Blocks

Length (inch)	Order No.* Tungsten carbide
0.05	612105
0.1	612191

Note: Details of the overall sizes for forms of block are given on page E-3 and the accuracy standards to which they are manufactured are given on page E-5.

4 inch or more is not listed in the standard of British Standards Institution.