

Gauge Blocks

Length Standards Brought to You by Mitutoyo

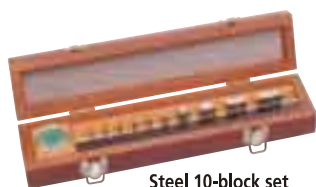


An inspection certificate is supplied as standard. Refer to page IX for details.

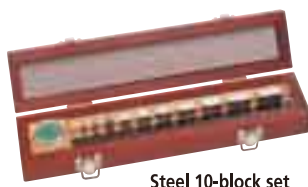
Micrometer Inspection Gauge Block Sets SERIES 516

- Dedicated gauge block sets for micrometer inspection.
Sets **516-106/7/8** and **516-322/3** are recommended for checking instrumental errors in micrometers due to the choice of block sizes ensuring that the instrument is checked through a full rotation of the spindle over the range 0-25 mm (or 0-1").
Sets **516-115/6/7**, **516-165/6** and **516-177** contain blocks in 25 mm (or 1") steps for aiding inspection of large micrometers in conjunction with one of the abovementioned sets.
Sets **516-580/1/2**, **516-390/1/2** are dedicated to the QuantuMike with its 2mm/rev spindle feed.

Steel



Steel 10-block set



Steel 10-block set

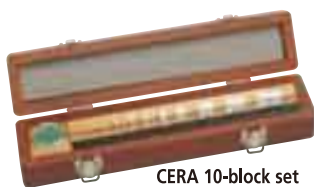


Steel 8-block set

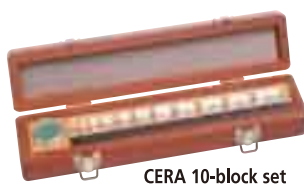


Steel 10-block set

CERA



CERA 10-block set



CERA 10-block set



CERA 8-block set



CERA 10-block set

Micro Checker

Can clamp a stack of gauge blocks to be used for micrometer inspection.



516-607
(The gauge blocks are optional.)



Gauge Block Sets for Micrometer Inspection

A set consisting of a Micro Checker and gauge blocks for micrometer inspection.

(516-132/3/4/5/6/7)



SPECIFICATIONS

Metric	Micro Checker (holder only)
Order No.	516-607
Applicable gauge block set	516-106, 516-107, 516-108, 516-156, 516-157, 516-158
Applicable gauge block size (mm)	2.5, 5.1, 7.7, 10.3, 12.9, 15, 17.6, 20.2, 22.8, 25

Inch	Micro Checker (holder only)
Order No.	516-608
Applicable gauge block set	516-921, 516-922, 516-923, 516-321, 516-322, 516-323
Applicable gauge block size (inch)	.105, .210, .315, .420, .5, .605, .710, .815, .920, 1



An inspection certificate is supplied as standard. Refer to page IX for details.

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

ISO/DIN/JIS		
Suffix No.	Inspection Certificate	Calibration Certificate
1	○	—
6	○	○

Suffix No. 1: Not available for Grade K sets.

ASME		
Suffix No.	Inspection Certificate	Calibration Certificate
1	○	—
6	○	○

Suffix No. 1: Not available for Grade K sets.
Suffix No. 6: Only for Grade K sets.

BS		
Suffix No.	Inspection Certificate	Calibration Certificate
1	○	—

Inspection Certificate



SPECIFICATIONS

Metric Block Sets						
Blocks per set	Order No.		Standard / grade available and			Blocks included in set
	Steel	CERA	ISO/DIN/JIS	ASME	Suffix No.*	
16	516-111	516-161	0: -#0	—	—	1.00, 1.25, 1.5, 2, 3, 5, 10, 15, 20, 25, 25.25, 30, 35, 40, 45, 50mm, Cerastone, Optical parallels (t = 12mm, 25mm)
	516-112	516-162	1: -#0	—	—	
	516-113	516-163	2: -#0	—	—	
10	516-977	—	K: -#0	—	—	1.00, 1.25, 1.50, 2, 3, 5, 10, 15, 20, 25mm, Optical parallel (t = 12mm)
	516-978	516-378	0: -#0	—	—	
	516-979	516-379	1: -#0	—	—	
	516-980	516-380	2: -#0	—	—	
10	516-103	516-152	0: -#0	0: -#6	—	1.00, 1.25, 1.50, 2, 3, 5, 10, 15, 20, 25mm
	516-101	516-153	1: -#0	1: -#6	—	
	—	516-154	2: -#0	—	—	
10	516-580	516-390	0: -#0	—	—	2.2, 4.8, 7.8, 10.4, 12, 15.2, 17.4, 19.6, 22.6, 25mm
	516-581	516-391	1: -#0	—	—	
	516-582	516-392	2: -#0	—	—	
10	516-106	516-156	0: -#0	—	—	2.5, 5.1, 7.7, 10.3, 12.9, 15, 17.6, 20.2, 22.8, 25mm, Optical parallel (t = 12mm)
	516-107	516-157	1: -#0	—	—	
	516-108	516-158	2: -#0	—	—	
10	516-132	516-182	0: -#0	—	—	1.25, 1.50, 1, 2, 3, 5, 10, 15, 20, 25mm, Micro Checker, Optical parallel (t = 12mm)
	516-133	516-183	1: -#0	—	—	
	516-134	516-184	2: -#0	—	—	
10	516-135	516-185	0: -#0	—	—	2.5, 5.1, 7.7, 10.3, 12.9, 15, 17.6, 20.2, 22.8, 25mm, Micro Checker, Optical parallel (t = 12mm)
	516-136	516-186	1: -#0	—	—	
	516-137	516-187	2: -#0	—	—	
8	—	516-547	—	K: -#6	—	25, 50, 75, 100, 125, 150, 175, 200mm
	—	516-164	K: -#0	00: -#6	—	
	516-115	516-165	0: -#0	0: -#6	—	
	516-116	516-166	1: -#0	1: -#6	—	
	516-117	516-167	2: -#0	2: -#6	—	
	—	—	—	—	—	

Inch Block Sets						
Blocks per set	Order No.		Standard / grade available and			Blocks included in set
	Steel	CERA	ISO/DIN/JIS	ASME	Suffix No.*	
10	516-528	516-318	—	00: -#6	0: -#1	.087, .189, .307, .409, .472, .598, .669, .772, .890, 1"
	516-529	516-319	—	0: -#6	1: -#1	
	516-530	516-320	—	1: -#6	2: -#1	
10	516-552	516-559	—	K: -#6	—	.105, .210, .315, .420, .500, .605, .710, .815, .920, 1", Optical parallel (t = .5")
	516-921	516-321	—	00: -#6	0: -#1	
	516-922	516-322	—	0: -#6	1: -#1	
10	516-923	516-323	—	1: -#6	2: -#1	.105, .210, .315, .420, .500, .605, .710, .815, .920, 1", Micro checker, Optical parallel (t = .5")
	516-553	516-560	—	K: -#6	—	
	516-138	516-188	—	00: -#6	0: -#1	
9	516-139	516-189	—	0: -#6	1: -#1	.0625, .100, .125, .200, .250, .300, .500, 1, 2", Optical parallel (t = .5")
	516-140	516-190	—	1: -#6	2: -#1	
	516-554	516-561	—	K: -#6	—	
9	516-929	516-333	—	00: -#6	—	.0625, .100, .125, .200, .250, .300, .500, 1, 00: -#6, Micro Checker, Optical parallel (t = .5")
	516-930	516-334	—	0: -#6	—	
	516-931	516-335	—	1: -#6	—	
9	516-932	516-336	—	2: -#6	—	.0625, .100, .125, .200, .250, .300, .500, 1, 2"
	516-555	516-562	—	K: -#6	—	
	516-141	516-191	—	00: -#6	—	
9	516-142	516-192	—	0: -#6	—	.0625, .100, .125, .200, .250, .300, .500, 1, 2"
	516-143	516-193	—	1: -#6	—	
	516-144	516-194	—	2: -#6	—	
9	—	516-563	—	K: -#6	—	.0625, .100, .125, .200, .250, .300, .500, 1, 2"
	—	516-329	—	00: -#6	—	
	516-934	516-330	—	0: -#6	—	
9	516-935	516-331	—	1: -#6	—	1, 2, 3, 4, 5, 6, 7, 8"
	516-936	516-332	—	2: -#6	—	
	516-126	516-176	—	0: -#6	—	
8	516-127	516-177	—	1: -#6	—	

SERIES 516 – Caliper Inspection Gauge Block Sets

SPECIFICATIONS

Metric Block Sets						
Blocks per set	Order No.		Standard / grade available and			Blocks included in set
	Steel	CERA	ISO/DIN/JIS	ASME	Suffix No.	
5	—	516-174	—	—	—	5 pcs.: 10.3, 24.5, 50, 75, 100mm, Ceramic plain jaws, Holder (250mm), Glove
4	516-526	516-566	1: -10	—	—	4 pcs.: 10, 30, 50, 125mm, Setting ring (ø4mm, ø10mm), Pin gage (ø10mm), Glove
	516-527	516-567	2: -10	—	—	
3	516-124	516-150	1: -10	—	—	3 pcs.: 30, 41.3, 131.4mm, Setting ring (ø4mm, ø25mm), Glove
	516-125	516-151	2: -10	—	—	
2	516-122	516-172	1: -10	—	—	2 pcs.: 41.3, 131.4mm, Setting ring (ø20mm), Glove
	516-123	516-173	2: -10	—	—	