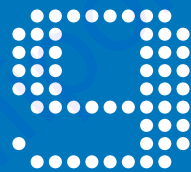


## CALIBRATION INSTRUMENTS

Mitutoyo



Gauge Block

p.182

Caliper Checker

p.188

## CALIBRATION INSTRUMENTS

Calibration  
Instruments

Height Master

p.189

Dial Gauge Tester

p.190

Calibration Tester

p.190

I-Checker

p.190

Depth Micro Checker

p.190



# Gauge Block

## Mitutoyo Metric Rectangular Gauge Block Set SERIES 516 — 1mm Base Block Set



Steel 112-block set



CERA 112-block set

### SPECIFICATIONS

#### 1mm Base Block Set

Order No.		Blocks per set	Standard / grade available and Suffix No.*			Blocks included in set		
Steel (Steel/CERA)	CERA		ISO/DIN/JIS	ASME	BS	Size	Step	Qty.
-	-	122	-	-	-	1.0005	-	1
516-596	-		K: - 0	-	-	1.001 - 1.009	0.001	9
516-597	-		0: - 0	-	-	1.01 - 1.49	0.01	49
516-598	-		1: - 0	-	-	1.6 - 1.9	0.1	4
516-599	-		2: - 0	-	-	0.5 - 24.5	0.5	49
-	-	112	-	-	-	30 - 100	10	8
-	-		-	-	-	25, 75	-	2
516-531	516-541		-	K: - 6	-	1.0005	-	1
516-937	516-337		K: - 0	00: - 6	K: - 1	1.001 - 1.009	0.001	9
516-938	516-338		0: - 0	0: - 6	0: - 1	1.01 - 1.49	0.01	49
516-939	516-339	1: - 0	1: - 6	1: - 1	0.5 - 24.5	0.5	49	
516-940	516-340	2: - 0	2: - 6	2: - 1	25 - 100	25	4	
516-533	516-542	103	-	K: - 6	-	1.005	-	1
516-941	516-341		K: - 0	00: - 6	K: - 1	1.001 - 1.49	0.01	49
516-942	516-342		0: - 0	0: - 6	0: - 1	0.5 - 24.5	0.5	49
516-943	516-343		1: - 0	1: - 6	1: - 1	25 - 100	25	4
516-944	516-344		2: - 0	2: - 6	2: - 1	-	-	-
-	-	88	-	-	-	1.0005	-	1
516-969	516-369		0: - 0	-	0: - 1	1.001 - 1.009	0.001	9
516-970	516-370		1: - 0	-	1: - 1	1.01 - 1.49	0.01	49
516-971	516-371		2: - 0	-	2: - 1	0.5 - 9.5	0.5	19
516-972	516-372		-	-	-	10 - 100	10	10
516-535	515-543	87	-	K: - 6	-	1.001 - 1.009	0.001	9
516-945	516-345		K: - 0	00: - 6	K: - 1	1.01 - 1.49	0.01	49
516-946	516-346		0: - 0	0: - 6	0: - 1	0.5 - 9.5	0.5	19
516-947	516-347		1: - 0	1: - 6	1: - 1	10 - 100	10	10
516-948	516-348		2: - 0	2: - 6	2: - 1	-	-	-
-	-	76	-	-	-	1.005	-	1
516-949	516-349		K: - 0	-	-	1.01 - 1.49	0.01	49
516-950	516-350		0: - 0	-	-	0.5 - 9.5	0.5	19
516-951	516-351		1: - 0	-	-	10 - 40	10	4
516-952	516-352		2: - 0	-	-	50 - 100	25	3
516-536	516-544	56	-	K: - 6	-	0.5	-	1
516-953	516-353		K: - 0	00: - 6	-	1.001 - 1.009	0.001	9
516-954	516-354		0: - 0	0: - 6	-	1.01 - 1.09	0.01	9
516-955	516-355		1: - 0	1: - 6	-	1.1 - 1.9	0.1	9
516-956	516-356		2: - 0	2: - 6	-	1 - 24	1	24
-	-	47	-	-	-	25 - 100	25	4
516-537	516-545		-	K: - 6	-	1.005	-	1
516-957	516-357		K: - 0	00: - 6	-	1.01 - 1.09	0.01	9
516-958	516-358		0: - 0	0: - 6	-	1.1 - 1.9	0.1	9
516-959	516-359		1: - 0	1: - 6	-	1 - 24	1	24
516-960	516-360	2: - 0	2: - 6	-	25 - 100	25	4	
-	-	47	-	-	-	1.005	-	1
516-961	516-361		K: - 0	-	K: - 1	1.01 - 1.19	0.01	19
516-962	516-362		0: - 0	-	0: - 1	1.2 - 1.9	0.1	8
516-963	516-363		1: - 0	-	1: - 1	1 - 9	1	9
516-964	516-364		2: - 0	-	2: - 1	10 - 100	10	10
516-994	516-394	46	K: - 0	-	-	1.001 - 1.009	0.001	9
516-995	516-395		0: - 0	-	-	1.01 - 1.09	0.01	9
516-996	516-396		1: - 0	-	-	1.1 - 1.9	0.1	9
516-997	516-397		2: - 0	-	-	1 - 9	1	9
-	-		-	-	-	10 - 100	10	10
-	-	34	-	-	-	1.0005	-	1
516-128	516-178		K: - 0	-	K: - 1	1.001 - 1.009	0.001	9
516-129	516-179		0: - 0	-	0: - 1	1.01 - 1.09	0.01	9
516-130	516-180		1: - 0	-	1: - 1	1.1 - 1.9	0.1	9
516-131	516-181		2: - 0	-	2: - 1	1 - 5	1	5
-	-	32	-	-	-	10	-	1
516-965	516-365		K: - 0	-	K: - 1	1.005	-	1
516-966	516-366		0: - 0	-	0: - 1	1.01 - 1.09	0.01	9
516-967	516-367		1: - 0	-	1: - 1	1.1 - 1.9	0.1	9
516-968	516-368		2: - 0	-	2: - 1	1 - 9	1	9
-	-	-	-	-	10 - 30	10	3	
-	-	-	-	-	60	-	1	

### \* Suffix No. ( ) for Selecting 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	○	○

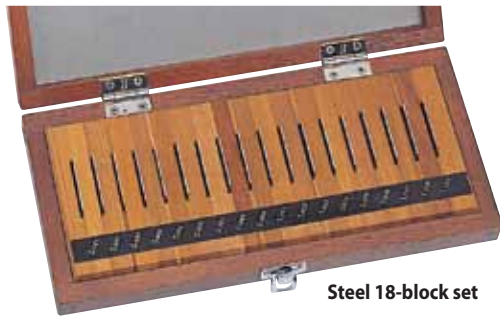
Suffix No. 1: Not available for Grade K sets.  
Suffix No. 6: Only for Grade K sets.

#### BS

Suffix No.	Inspection Certificate	Calibration Certificate
1	○	-
6	○	○

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

## Mitutoyo Metric Rectangular Gauge Block Set SERIES 516 — Thin Block Set, 0.001mm Step Block Set



Steel 18-block set



Steel 9-block set

### \* Suffix No. ( ) for Selecting Certificate Provided

#### ISO/DIN/JIS

Suffix No.	Inspection Certificate	Calibration Certificate
		JCSS
1	○	-
6	○	○

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

#### ASME

Suffix No.	Inspection Certificate	Calibration Certificate
		JCSS
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
		JCSS
1	○	-
6	○	○

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

Suffix No. 6: Only for Grade K sets.

## SPECIFICATIONS

### 0.001mm Step Block Set

Order No.		Blocks per set	Standard / grade available and Suffix No.*			Blocks included in set		
Steel	CERA		ISO/DIN/JIS	ASME	BS	Size	Step	Qty.
516-973	516-373	18	K: - 0	-	-	0.991 - 0.999	0.001	9
516-974	516-374		O: - 0	-	-			
516-975	516-375		1: - 0	-	-			
516-976	516-376		2: - 0	-	-			
516-981	516-381	9	K: - 0	-	K: - 1	1.001 - 1.009	0.001	9
516-982	516-382		O: - 0	-	O: - 1			
516-983	516-383		1: - 0	-	1: - 1			
516-984	516-384		2: - 0	-	2: - 1			
516-985	516-385	9	K: - 0	-	-	0.991 - 0.999	0.001	9
516-986	516-386		O: - 0	-	-			
516-987	516-387		1: - 0	-	-			
516-988	516-388		2: - 0	-	-			

## Mitutoyo Metric Rectangular Gauge Block Set SERIES 516 — Long Block Set, Wear Block Set



CERA 8-block set



Steel 8-block set

### \* Suffix No. ( ) for Selecting Certificate Provided

#### ISO/DIN/JIS

Suffix No.	Inspection Certificate	Calibration Certificate
		JCSS
1	○	-
6	○	○

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

#### ASME

Suffix No.	Inspection Certificate	Calibration Certificate
		JCSS
1	○	-
6	○	○

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

Suffix No. 6: Only for Grade K sets.

## SPECIFICATIONS

### Long Block Set

Order No.		Blocks per set	Standard / grade available and Suffix No.*			Blocks included in set		
Steel	CERA		ISO/DIN/JIS	ASME	BS	Size	Step	Qty.
516-540	516-546	8	-	K: - 6	-	125 - 175	25	3
516-701	516-731		K: - 0	O0: - 6	-	200 - 250	50	2
516-702	516-732		O: - 0	O: - 6	-	300 - 500	100	3
516-703	516-733		1: - 0	1: - 6	-			
516-704	516-734		2: - 0	2: - 6	-			

# Gauge Block

## Mitutoyo Micrometer Inspection Gauge Block Sets SERIES 516



Steel 10-block set

\* Suffix No. ( ) for Selecting Certificate Provided

### ISO/DIN/JIS

Suffix No.	Inspection Certificate	Calibration Certificate
		JCSS
1	○	-
6	○	○

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

### ASME

Suffix No.	Inspection Certificate	Calibration Certificate
		JCSS
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
		JCSS
1	○	-

## SPECIFICATIONS

### Metric Block Set

Order No.		Blocks per set	Standard / grade available and Suffix No.*			Blocks included in set
Steel	CERA		ISO/DIN/JIS	ASME	BS	
516-111	516-161	16	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	-	-	
516-977	-	10	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	-	-	
516-103	516-152	10	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	-	-	
516-106	516-156	10	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	-	-	
516-132	516-182	10	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	-	-	
516-135	516-185	10	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	-	-	
-	516-547	8	-	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	-	
-	-		-	-	-	

### Metric Block Set

Order No.		Blocks per set	Standard / grade available and Suffix No.*			Blocks included in set
Steel	CERA		ISO/DIN/JIS	ASME	BS	
-	-	5	-	-	-	5 pcs.: 10.3, 24.5, 50, 75, 100mm, Ceramic plain jaws, Holder (250mm), Glove
-	516-174		2: - 0	-	-	
516-526	516-566	4	1: - 0	-	-	4 pcs.: 10, 30, 50, 125mm, Setting ring (ø4mm, ø10mm), Pin gage (ø10mm), Glove
516-527	516-567		2: - 0	-	-	
516-124	516-150	3	1: - 0	-	-	3 pcs.: 30, 41.3, 131.4mm, Setting ring (ø4mm, ø25mm), Glove
516-125	516-151		2: - 0	-	-	
516-122	516-172	2	1: - 0	-	-	2 pcs.: 41.3, 131.4mm, Setting ring (ø20mm), Glove
516-123	516-173		2: - 0	-	-	

Gauge Block

Caliper Checker

Calibration Instruments

Height Master

Dial Gauge Tester

Calibration Tester

I-Checker

Depth Micro Checker



## Mitutoyo Individual Metric Square Gauge Block



### SPECIFICATIONS

#### Metric Block

Order No.*		Length (mm)	Order No.*		Length (mm)	Order No.*		Length (mm)
Steel	CERA		Steel	CERA		Steel	CERA	
614506	-	0.5	614593	-	1.33	614623	-	13
614611	-	1	614594	-	1.34	614653	-	13.5
614520	-	1.0005	614595	-	1.35	614624	-	14
614521	-	1.001	614596	-	1.36	614654	-	14.5
614522	-	1.002	614597	-	1.37	614625	-	15
614523	-	1.003	614598	-	1.38	614655	-	15.5
614524	-	1.004	614599	-	1.39	614626	-	16
614525	-	1.005	614600	-	1.4	614656	-	16.5
614526	-	1.006	614601	-	1.41	614627	-	17
614527	-	1.007	614602	-	1.42	614657	-	17.5
614528	-	1.008	614603	-	1.43	614628	-	18
614529	-	1.009	614604	-	1.44	614658	-	18.5
614561	-	1.01	614605	-	1.45	614629	-	19
614562	-	1.02	614606	-	1.46	614659	-	19.5
614563	-	1.03	614607	-	1.47	614672	-	20
614564	-	1.04	614608	-	1.48	614660	-	20.5
614565	-	1.05	614609	-	1.49	614631	-	21
614566	-	1.06	614641	-	1.5	614661	-	21.5
614567	-	1.07	614516	-	1.6	614632	-	22
614568	-	1.08	614517	-	1.7	614662	-	22.5
614569	-	1.09	614518	-	1.8	614633	-	23
614570	-	1.1	614519	-	1.9	614663	-	23.5
614571	-	1.11	614612	-	2	614634	-	24
614572	-	1.12	614642	-	2.5	614664	-	24.5
614573	-	1.13	614613	-	3	614635	-	25
614574	-	1.14	614643	-	3.5	614673	-	30
614575	-	1.15	614614	-	4	614674	-	40
614576	-	1.16	614644	-	4.5	614675	-	50
614577	-	1.17	614615	-	5	614676	-	60
614578	-	1.18	614645	-	5.5	614801	-	75
614579	-	1.19	614616	-	6	614681	-	100
614580	-	1.2	614646	-	6.5	614802	-	125
614581	-	1.21	614617	-	7	614803	-	150
614582	-	1.22	614647	-	7.5	614804	-	175
614583	-	1.23	614618	-	8	614682	-	200
614584	-	1.24	614648	-	8.5	614805	-	250
614585	-	1.25	614619	-	9	614683	-	300
614586	-	1.26	614649	-	9.5	614684	-	400
614587	-	1.27	614671	-	10	614685	-	500
614588	-	1.28	614650	-	10.5			
614589	-	1.29	614621	-	11			
614590	-	1.3	614651	-	11.5			
614591	-	1.31	614622	-	12			
614592	-	1.32	614652	-	12.5			

Metric Wear Block	
Order No.	Length (mm)
615611	1
615612	2

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

#### ISO/DIN/JIS

Suffix No.	Grade	Inspection Certificate	Calibration Certificate	
			JCSS	RvA
-021	0	○	-	-
-026	0	○	○	-
-031	1	○	-	-
-036	1	○	○	-
-041	2	○	-	-
-046	2	○	○	-

#### ASME

Suffix No.	Grade	Inspection Certificate	Calibration Certificate	
			JCSS	RvA
-521	00	○	-	-
-531	0	○	-	-
-541	1	○	-	-
-551	2	○	-	-

#### BS

Suffix No.	Grade	Inspection Certificate	Calibration Certificate	
			JCSS	RvA
-121	0	○	-	-
-131	1	○	-	-
-141	2	○	-	-

# Gauge Block

## Mitutoyo Individual Metric Rectangular Gauge Block



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

### ISO/DIN/JIS

Suffix No.	Grade	Inspection Certificate	Calibration Certificate	
			JCSS	RvA
-016	K	○	○	-
-017	K	○	-	○
-021	0	○	-	-
-026	0	○	○	-
-027	0	○	-	○
-031	1	○	-	-
-036	1	○	○	-
-037	1	○	-	○
-041	2	○	-	-
-046	2	○	○	-
-047	2	○	-	○

### ASME

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

### BS

Suffix No.	Grade	Inspection Certificate	Calibration Certificate	
			JCSS	RvA
-117	K	○	-	○
-121	0	○	-	-
-127	0	○	-	○
-131	1	○	-	-
-137	1	○	-	○
-141	2	○	-	-
-147	2	○	-	○

## SPECIFICATIONS

### Metric Block

Order No.*		Length (mm)	Order No.*		Length (mm)	Order No.*		Length (mm)
Steel	CERA		Steel	CERA		Steel	CERA	
611821	-	0.1	611894	-	0.53	611937	-	0.96
611860	-	0.11	611895	-	0.54	611938	-	0.97
611861	-	0.12	611896	-	0.55	611939	-	0.98
611862	-	0.13	611897	-	0.56	611940	-	0.99
611863	-	0.14	611898	-	0.57	611551	613551	0.991
611822	-	0.15	611899	-	0.58	611552	613552	0.992
611864	-	0.16	611900	-	0.59	611553	613553	0.993
611865	-	0.17	611901	-	0.6	611554	613554	0.994
611866	-	0.18	611902	-	0.61	611555	613555	0.995
611867	-	0.19	611903	-	0.62	611556	613556	0.996
611823	-	0.2	611904	-	0.63	611557	613557	0.997
611868	-	0.21	611905	-	0.64	611558	613558	0.998
611869	-	0.22	611906	-	0.65	611559	613559	0.999
611870	-	0.23	611907	-	0.66	611611	613611	1
611871	-	0.24	611908	-	0.67	611520	613520	1.0005
611824	-	0.25	611909	-	0.68	611521	613521	1.001
611872	-	0.26	611910	-	0.69	611522	613522	1.002
611873	-	0.27	611911	-	0.7	611523	613523	1.003
611874	-	0.28	611912	-	0.71	611524	613524	1.004
611875	-	0.29	611913	-	0.72	611525	613525	1.005
611825	-	0.3	611914	-	0.73	611526	613526	1.006
611876	-	0.31	611915	-	0.74	611527	613527	1.007
611877	-	0.32	611916	-	0.75	611528	613528	1.008
611878	-	0.33	611917	-	0.76	611529	613529	1.009
611879	-	0.34	611918	-	0.77	611561	613561	1.01
611826	-	0.35	611919	-	0.78	611562	613562	1.02
611880	-	0.36	611920	-	0.79	611563	613563	1.03
611881	-	0.37	611921	-	0.8	611564	613564	1.04
611882	-	0.38	611922	-	0.81	611565	613565	1.05
611883	-	0.39	611923	-	0.82	611566	613566	1.06
611827	-	0.4	611924	-	0.83	611567	613567	1.07
611884	-	0.41	611925	-	0.84	611568	613568	1.08
611885	-	0.42	611926	-	0.85	611569	613569	1.09
611886	-	0.43	611927	-	0.86	611570	613570	1.1
611887	-	0.44	611928	-	0.87	611571	613571	1.11
611828	-	0.45	611929	-	0.88	611572	613572	1.12
611888	-	0.46	611930	-	0.89	611573	613573	1.13
611889	-	0.47	611931	-	0.9	611574	613574	1.14
611890	-	0.48	611932	-	0.91	611575	613575	1.15
611891	-	0.49	611933	-	0.92	611576	613576	1.16
611506	613506	0.5	611934	-	0.93	611577	613577	1.17
611892	-	0.51	611935	-	0.94	611578	613578	1.18
611893	-	0.52	611936	-	0.95	611579	613579	1.19

Gauge Block

Caliper  
Checker

Calibration  
Instruments

Height  
Master

Dial Gauge  
Tester

Calibration  
Tester

I-Checker

Depth Micro  
Checker

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

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

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

### Metric Wear Block

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

Gauge Block

Caliper  
Checker

Calibration  
Instruments

Height  
Master

Dial Gauge  
Tester

Calibration  
Tester

I-Checker

Depth Micro  
Checker

# Caliper Checker

## Mitutoyo Rectangular Gauge Block Accessories SERIES 516



516-601



516-602

To expand the range of rectangular gauge block (steel and CERA) applications, Mitutoyo offers the gauge block accessories set. By assembling the items in the set, you can easily and quickly build up a precision measuring instrument.

### SPECIFICATIONS

Order No. 516-601	Order No. 516-602	Included inset
-	1pc.	Holder 15 - 60mm (619002)
1pc.	1pc.	Holder 5 - 100mm (619003)
1pc.	1pc.	Holder 15 - 160mm (619004)
1pc.	1pc.	Holder 20 - 250mm (619005)
1pc.	1pc.	Holder base 35mm (619009)
2pc.	2pc.	Half round jaw 2mm (619010)
2pc.	2pc.	Half round jaw 5mm (619011)
2pc.	2pc.	Half round jaw 8mm (619012)
2pc.	-	Half round jaw 12mm (619013)
2pc.	-	Half round jaw 20mm (619014)
2pc.	-	Plain jaw (619018)
1pc.	1pc.	Scriber point (619019)
1pc.	1pc.	Center point (619020)
2pc.	-	Tram point (619021)
1pc.	1pc.	Triangular straight edge 100mm (619022)
1pc.	-	Triangular straight edge 160mm (619023)

## Mitutoyo CERA Caliper Checker SERIES 515



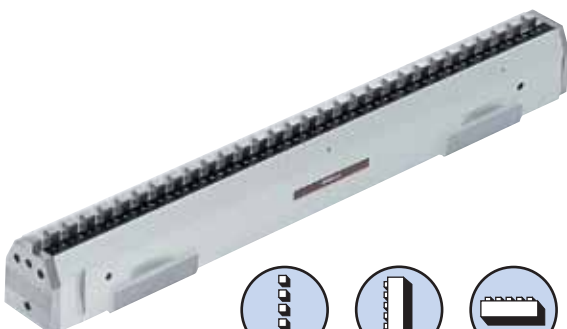
### SPECIFICATIONS

Metric		
Order No.	Range	Remarks (length to check)
515-555	0 - 300mm	Outside measurement: 20, 50, 100, 150, 200, 250, 300mm Inside measurement: 20, 50, 100, 150, 200, 250, 300mm
515-556-2	0 - 600mm	Outside measurement: 20, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600mm Inside measurement: 20, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600mm

### FEATURES

- The CERA Caliper Checker is designed to inspect vernier, dial and Digimatic calipers of various types. It is comprised of permanently wrung, high-grade CERA gauge blocks in a protective casting.
- The CERA Caliper Checker also stands perpendicular to a surface for height gage inspection.
- Each measuring block (CERA block) is made of zirconia-based ceramic and it free from deterioration and dimensional change over time.

## Mitutoyo Check Master SERIES 515



Single-row  
10mm (5") blocks



Vertical  
orientation



Horizontal  
orientation

### FEATURES

- Designed to check the accuracy of table movements of machine tools and calibrate CMMs. Permanently wrung stack of gauge blocks is housed in a rigid frame.
- Can be used in either a vertical or horizontal orientation for models up to 1500mm range.
- Fitted wooden case supplied.

### SPECIFICATIONS

Metric		
Order No.	Range (R)	Block step
515-720	300mm	10mm
515-721	450mm	10mm
515-722	600mm	10mm
515-723	1000mm	10mm
515-724	1500mm	10mm



## Mitutoyo Height Master SERIES 515



Staggered 20mm blocks (movable)



Vertical orientation



Riser block

### FEATURES

- Models with staggered arrangement of block stack have two measuring faces on the same level, one facing up and the other down (except for 515-311).
- Each Height Master is supplied with a gauge block for zero-setting.
- Fitted wooden case supplied.

### SPECIFICATIONS

Metric

Order No.	Range (H)	Block step
515-322	$5 < H \leq 310\text{mm}$	20mm (staggered)

## Mitutoyo Digital Height Master SERIES 515



Staggered 20mm blocks (movable)



Vertical orientation



Riser block

### FEATURES

- Standard model with a digital display, featuring all essential specifications required for versatile height standard.
- Each Height Master is supplied with a gauge block for zero setting.
- SPC output.



### SPECIFICATIONS

Metric

Order No.	Range (H)	Block step
515-374	$10 < H \leq 310\text{mm}$	20mm (staggered)
515-376	$10 < H \leq 460\text{mm}$	20mm (staggered)
515-378	$10 < H \leq 610\text{mm}$	20mm (staggered)

## Mitutoyo Universal Height Master SERIES 515 — Usable in Vertical and Horizontal Orientations



Single-row 10mm blocks (movable)



Vertical orientation



Horizontal orientation



Riser block

### FEATURES

- The Universal Height Master is designed for both vertical and horizontal orientations, providing a wide range of applications such as accuracy checking of machine tool table movements.
- Fitted wooden case supplied.

### SPECIFICATIONS

Metric

Order No.	Range (R)	Block step
515-520	$5 < R \leq 610\text{mm}$	10mm (straight)
515-523	$5 < R \leq 1010\text{mm}$	10mm (straight)

## Mitutoyo UDT-2 Dial Gage Tester SERIES 170



### FEATURES

- Clamping stem diameter—  
170-102M-2: 6mm and 8mm,  
170-101E: .25" and .375"
- With the optional stand  
(951498), inspection of  
Dial Bore Gages becomes  
possible to perform.

### SPECIFICATIONS

Metric			
Order No.	Range	Accuracy	Graduation
170-102-12	0 - 25mm	±2µm	0.001mm

## Mitutoyo Calibration Tester SERIES 521



### FEATURES

- Universal bracket accepts any dial indicator, dial test indicator, lever head of Mu-Checker without any additional accessory.
- Clamping capacity: ø4mm - ø10mm
- Dual color-indexed directional graduations to facilitate measurements.

### SPECIFICATIONS

Metric			
Order No.	Range	Accuracy	Graduation
521-103	0 - 1mm	±0.2µm	0.0002mm
521-105	0 - 5mm	±0.8µm	0.0002mm

## Mitutoyo i-Checker SERIES 170



### FEATURES

The i-Checker is specially designed to calibrate measuring accuracy of dial indicators, dial test indicators, and other electronic comparison gage heads with a stroke of up to 100mm (4").

- ±(0.2+L/100)µm indication accuracy.
- Directly inspects an indicator with a stroke of up to 100mm (4"). The dial test indicator, bore gage and lever-type inductive head can be inspected with optional accessories.

- Adjustment of the measurement position is very easily accomplished because of semi-automatic measurement and full automatic measurement functions.
- Creates and prints out the simple inspection certificate.
- Saves inspection result as CSV file for reusable inspection result by any kind of software.

### SPECIFICATIONS

Order No.*	Remarks
170-311	with ø8mm bush
170-312	with ø3/8" bush

### Applicable Indicators

- Dial indicator
- Test indicator\*
- Hicator
- Bore gage\*\*
- Digimatic indicator\*\*\*
- Linear gage

- \* requires optional test indicator attachment set
- \* Contact the nearest Mitutoyo sales office for testable indicators.
- \*\* requires optional bore gage accessory
- \*\*\* requires optional SPC cable for fully automatic measurement



- \* To denote your AC power cable add the following suffixes to the order No.: A for UL/CSA, D for CEE, E for BS, K for EK, No suffix is required for JIS/100V
- \* Calibration certificate and traceability system chart are attached as standard.

## Mitutoyo Depth Micro Checker SERIES 515



### FEATURES

- The Depth Micro Checker is designed to efficiently check the zero point of a depth micrometer.

### SPECIFICATIONS

Metric		
Order No.	Range	Remarks (length to check)
515-570	0 - 150mm	25, 50, 75, 100, 125, 150mm
515-571	0 - 300mm	25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300mm