

BACK

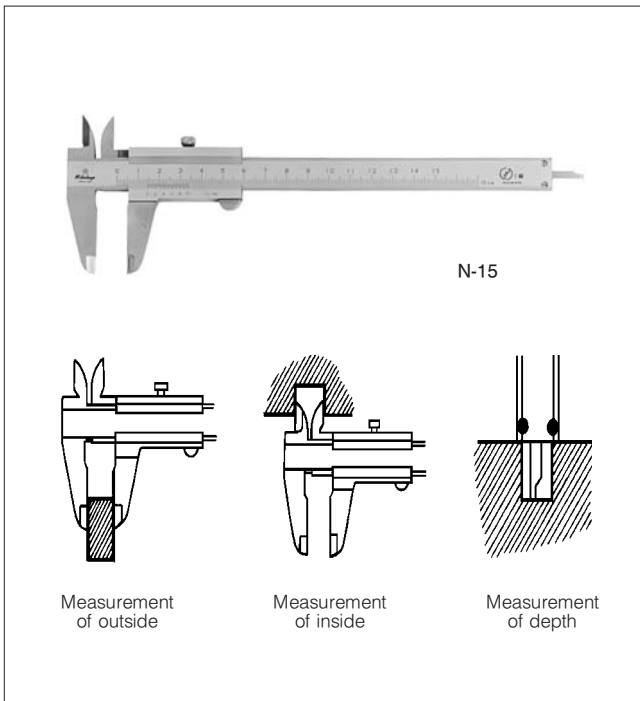
O

MEASURING INSTRUMENTS



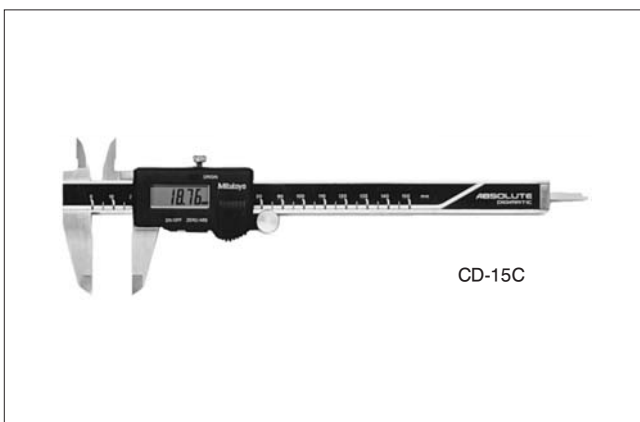
MEASURING INSTRUMENTS

VERNIER CALIPER W/DEPTH GAUGE



Model	Range mm	Min. Graduation mm
N-15	0 – 150	0.05
N-20	0 – 200	0.05
N-30	0 – 300	0.05

DIGITAL TYPE VERNIER CALIPER



Model	Range mm	Min. Graduation mm	Battery
CD-10C	0 – 100	0.01	SR44 × 1
CD-15C	0 – 150	0.01	SR44 × 1
CD-20C	0 – 200	0.01	SR44 × 1

OUTSIDE MICROMETER CALIPER SET



Model	Contents
1525MB	25MB, 50MB, 75MB, 100MB, 125MB, 150MB

OUTSIDE MICROMETER CALIPER



25MB

Model	Range mm	Min Graduation mm
25MB	0 – 25	0.01
50MB	25 – 50	0.01
75MB	50 – 75	0.01
100MB	75 – 100	0.01
125MB	100 – 125	0.01
150MB	125 – 150	0.01

MICROMETER CALIPER STAND



Model	Weight kg
MS-R	1

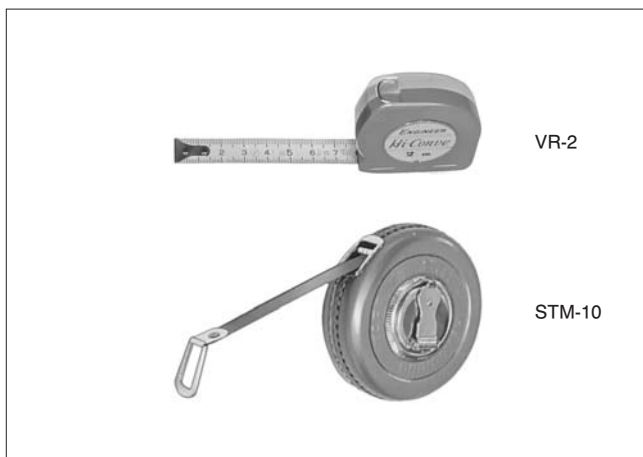
DIGITAL TYPE MICROMETER CALIPER



Model	Range mm	Min Graduation mm
MDC-25	0 – 25	0.001
MDC-50	25 – 50	0.001
MDC-75	50 – 75	0.001
MDC-100	75 – 100	0.001

MEASURING INSTRUMENTS

TAPE MEASURE



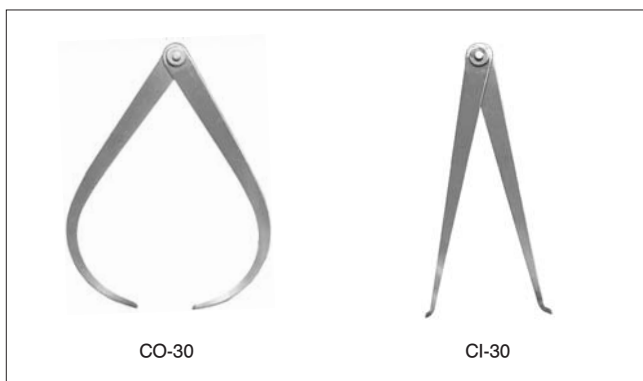
Model	Range m	Note
VR-2	0 – 2	Steel-made
VR-3.5	0 – 3.5	//
VR-5.5	0 – 5.5	//
STM-10	0 – 10	//
STM-20	0 – 20	//
STM-30	0 – 30	//
GTM-10	0 – 10	Glass-Fiber
GTM-20	0 – 20	//
GTM-30	0 – 30	//
GTM-50	0 – 50	//

CONVEXRULE



Model	Range mm	Note
INL-30	0 – 3,000	With Lock

FIRM-JOINT CALIPER



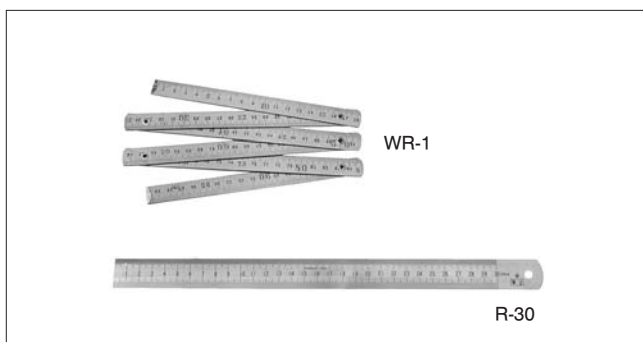
• For Outside

Model	Range mm
CO-15	0 – 150
CO-30	0 – 300

• For Inside

Model	Range mm
CI-15	0 – 150
CI-30	0 – 300

RULE



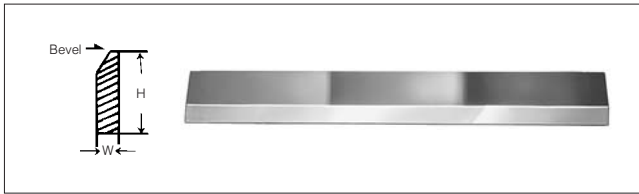
• Folding Rule

Model	Range mm	Min. Graduation mm	Material
WR-1	0 – 1	1	Wooden

• Straight Rule

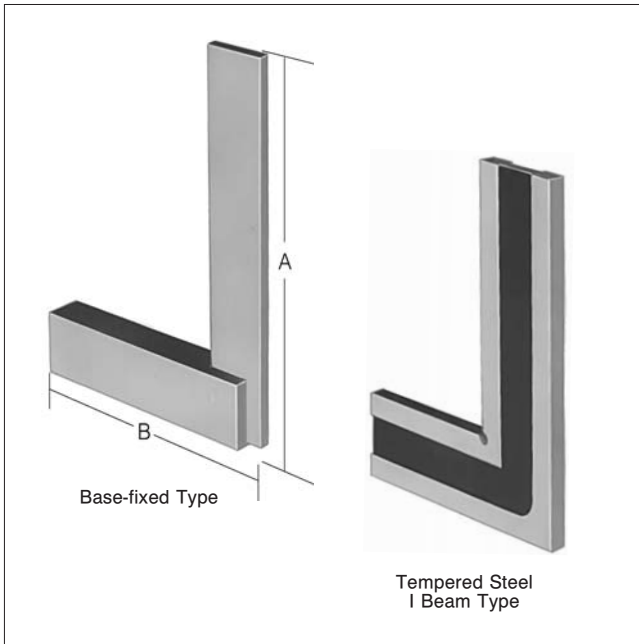
Model	Range mm	Min. Graduation mm	Material
R-15	0 – 150	0.5	Stainless Steel
R-30	0 – 300	0.5	Stainless Steel
R-60	0 – 600	0.5	Stainless Steel
R-100	0 – 1,000	0.5	Stainless Steel

STRAIGHT EDGE



Model	Length mm	Height mm	Width mm	Beveled mm
SE-50	500	40	8	2
SE-100	1,000	50	6	2

SQUARE



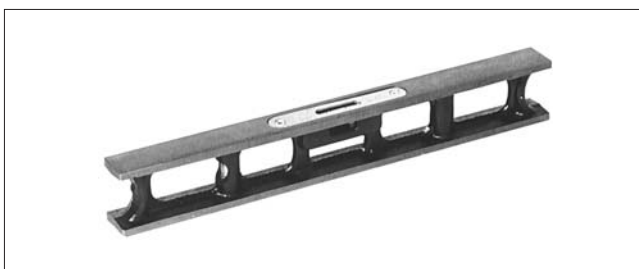
• Base-fixed Type

Model	Size A × B mm	Angle Accuracy mm	Weight kg
S2-10	100 × 70	$\pm(0.02 + \frac{L}{10,000})$	0.2
S2-15	150 × 100		0.4
S2-20	200 × 130		0.8
S2-25	250 × 164		1.0
S2-30	300 × 200		1.7

• Tempered Steel I Beam Type

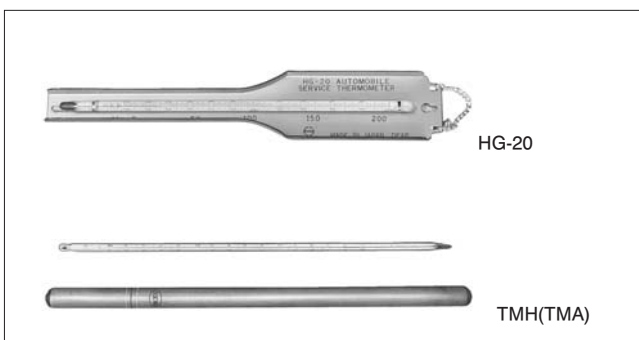
Model	Size A × B mm	Angle Accuracy mm	Weight kg
SS-10	100 × 70	$\pm(0.005 + \frac{L}{50,000})$	0.2
SS-15	150 × 100		0.4
SS-20	200 × 130		0.8
SS-30	300 × 200		2.0

IRON BENCH LEVEL



Model	BL-15	BL-23	BL-30	BL-45	BL-60	BL-75
Overall Length mm	150	230	300	450	600	750

THERMOMETER



Model	Liquid	Range	Overall Length mm
HG-20	Alcohol	-20° - 0 - 200°	230

Mercury

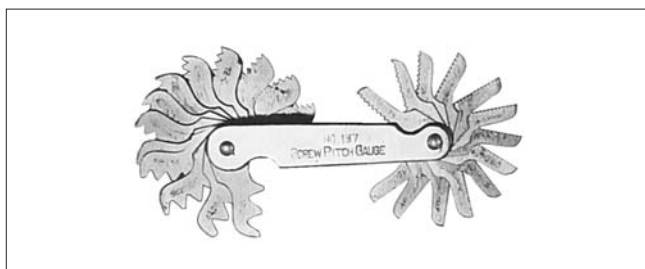
Model	Range
TMH-10	0 - 100°
TMH-15	0 - 150°
TMH-20	0 - 200°
TMH-30	0 - 300°

Alcohol

Model	Range
TMA-10	-20 - 100°
TMA-15	0 - 150°
TMA-20	0 - 200°

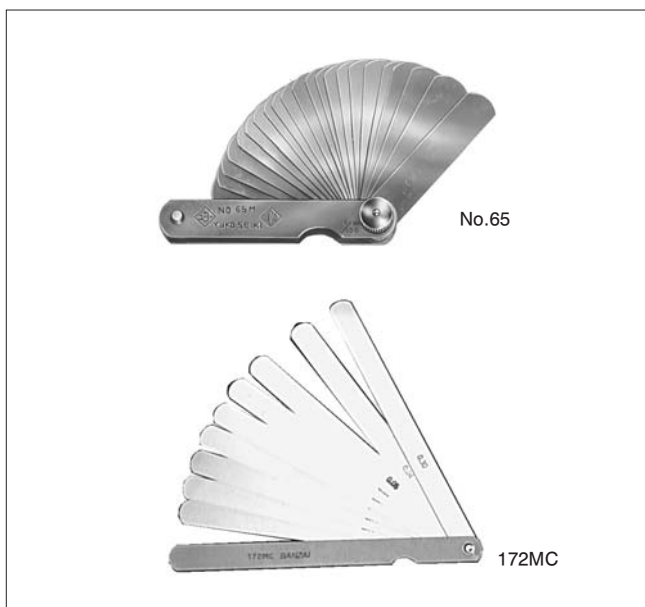
MEASURING INSTRUMENTS

SCREW PITCH GAUGE



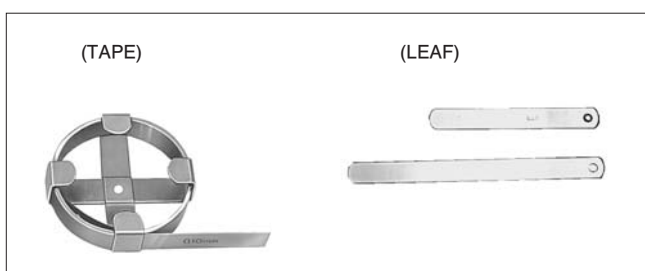
Model	No. of Blades	Thread Angle	Pitch Range
156	28	60°	Metric (mm/pitch) .25, .30, .35, .40, .45, .50, .55, .60, .65, .70, .75, .80, .85, .90, 1.00, 1.10, 1.20, 1.25, 1.30, 1.40, 1.50, 1.60, 1.70, 1.75, 1.80, 1.90, 2.00, 2.50
			315

STANDARD THICKNESS GAUGE



Model	Overall Blade Length mm	Blade Width mm	No. of Blades	Thickness of Leaves mm
No.65	65	12.7	25	.03 .04 .05 .06 .07 .08 .09 .10 .11 .12 .13 .14 .15 .20 .25 .30 .35 .40 .45 .50 .60 .75 .80 .90 1.00
No.26	75	12.7	26	.04 .05 .06 .08 .10 .13 .15 .18 .20 .23 .25 .28 .30 .33 .36 .38 .41 .46 .51 .56 .61 .64 .71 .75 .81 .89
172MA 172MB 172MC 172MD	75 100 150 230	12.7 12.7 12.7 12.7	9 9 9 9	} .04 .05 .06 .07 .08 .10 .15 .20 .30
172A	75	12.7	9	
172B	100	12.7	9	

THICKNESS TAPE AND LEAF

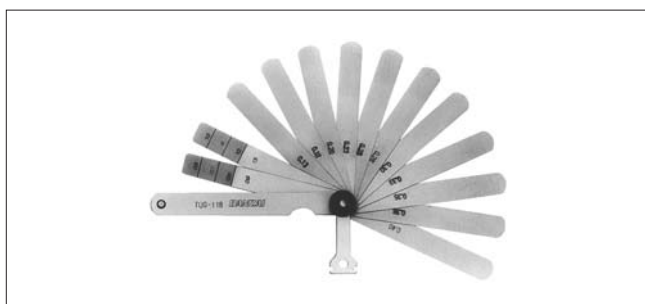


TAPE: Tape Length 3m
Tape Thickness ... 0.01 to 0.50mm (0.1mm step)

LEAF: Tape Length 100mm and 150mm (2 kinds)
Leaf Thickness ... 0.01 to 1.50mm (0.1mm step)
(10 leaves per set)

Please specify your requirement of length and thickness at the time of your ordering.

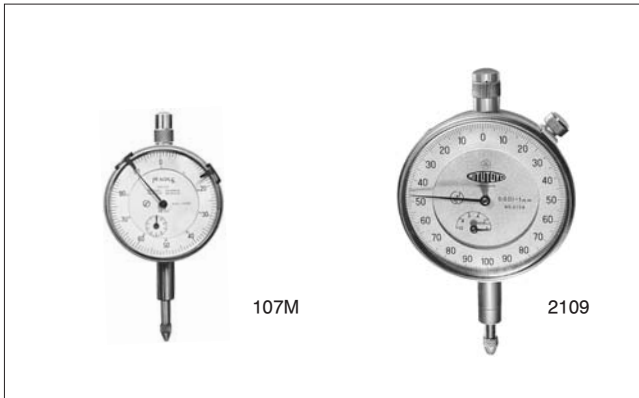
TUNE-UP GAUGE



Tune-up Gauge is combined with Plug Gap Gauge and Thickness Gauge.

Model	Gauge Size		Blade Length	Blade Width
	Plug Gap Gauge	Thickness Gauge		
TUG-118	0.6, 0.7, 0.8, 0.9 (4 size in 1 blade) 1.0, 1.1, 1.2, 1.3 (4 size in 1 blade)	0.13, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.36, 0.40 (11 blades)	100mm	12.7mm

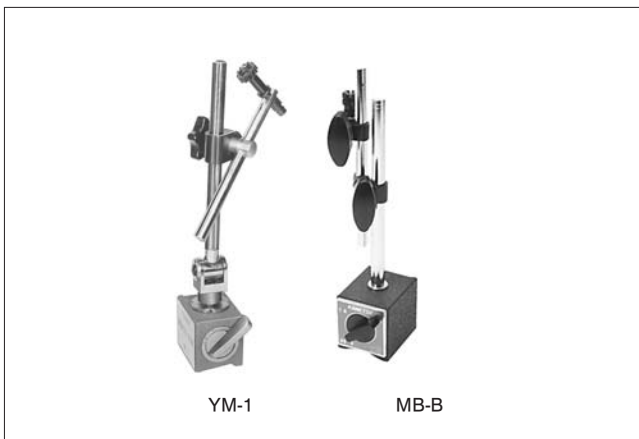
DIAL INDICATOR



Model	Range mm	Min. Graduation mm	Dial
5B	0 - 1	0.001	0 - 100 - 0
57	0 - 5	0.01	0 - 50 - 0
107M	0 - 10	0.01	± 0 - 50 - 100
2109	0 - 1	0.001	0 - 100 - 0
1044	0 - 5	0.01	0 - 100
2045-08	0 - 5	0.01	0 - 50 - 0
2046-08	0 - 10	0.01	0 - 100
2047E-08	0 - 10	0.01	0 - 50 - 0
2048	0 - 10	0.01	0 - 100

Model 2048-Spindle Adjusting Type

MAGNETIC BASE



Model	Overall Height mm	Weight kg	Reference
YM-1	208	1.3	Support Angle Adjustable
MB-B	233	1.5	Support Angle Fixed

DIAL INDICATOR SET



Model	Gauge Stroke mm	Min. Graduation mm	Weight kg
HDS-100	1.0	0.01	1.5

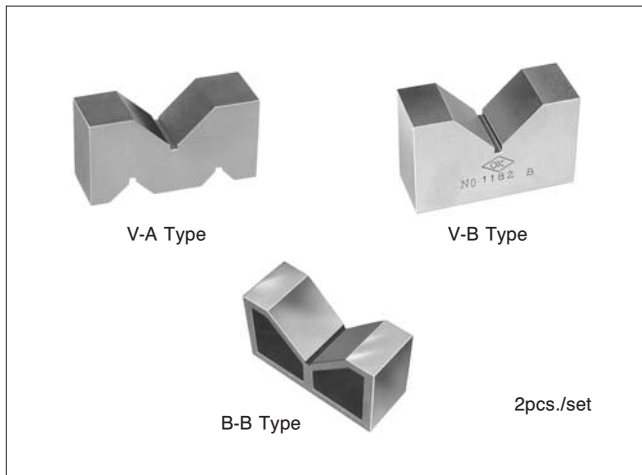
SURFACE GAUGE



Model	Overall Height mm	Weight kg
SG-15	150	0.7
SG-20	200	1.0
SG-25	250	1.3
SG-30	300	1.5

MEASURING INSTRUMENTS

V BLOCK



Model	Dimensions (L × H × D) mm	Weight kg	Type	Material
V-50A	50 × 32 × 32	0.4	A Type	Cast Iron
V-75A	75 × 38 × 25	1.4		
V-100A	100 × 58 × 35	2.3		
V-125A	125 × 80 × 50	3.2		
V-150A	150 × 90 × 60	8.0		
V-75B	75 × 60 × 32	0.7	B Type	Cast Iron
V-100B	100 × 68 × 40	2.1		
V-125B	125 × 80 × 50	4.6		
V-150B	150 × 90 × 65	8.0		
V-200B	200 × 140 × 100	19.0		
B-38B	38 × 24 × 19	0.3	B Type	High Steel
B-50B	50 × 28 × 22	0.5		
B-65B	65 × 40 × 25	1.0		
B-75B	75 × 50 × 35	2.0		
B-100B	100 × 55 × 38	3.4		

HAND SPRING BALANCE



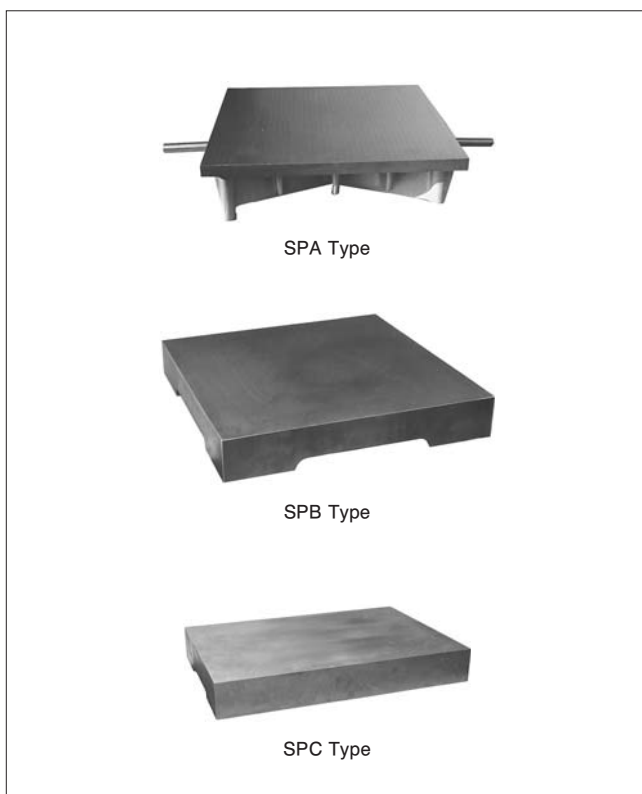
Model	Capacity kg	Min. Graduation g
ST-0.5	0.5	5
ST-2	2	20
ST-10	10	100
ST-20	20	200

HOOK SPRING BALANCE



Model	Capacity kg	Min. Graduation g
SD-20	20	100
SD-50	50	200 – 500
SD-100	100	500 – 1,000

SURFACE PLATE



• For Precision Measuring

Model	Length mm	Width mm	Height mm	Accuracy μ	Weight kg
SPA-3020	300	200	80	6	14
SPA-5050	500	500	128	10	80
SPA-7550	750	500	140	15	145
SPA-7575	750	750	145	15	185
SPA-10075	1,000	750	170	20	300

• For General Repair

Model	Length mm	Width mm	Height mm	Accuracy μ	Weight kg
SPB-2520	250	200	50	31	8
SPB-3020	300	200	57	36	9.5
SPB-3030	300	300	50	39	12
SPB-4530	450	300	67	46	22
SPB-6060	600	600	100	68	75
SPB-7560	750	600	100	74	85
SPB-9090	900	900	125	97	200

• For Repair Work

Model	Length mm	Width mm	Height mm	Accuracy μ	Weight kg
SPC-6045	600	450	100	60	140
SPC-9060	900	600	100	84	230
SPC-12090	1,200	900	125	112	420
SPC-18090	1,800	900	150	150	930
SPC-180120	1,800	1,200	175	156	1,000
SPC-240120	2,400	1,200	200	190	2,000