



Measuring Tools

VERNIER CALIPERS

Basic Model

- 4 Way measurement.
- Under 125mm without step measurement.
- Upper 300mm/12" without depth measurement.
- Made of Carbon Steel or Stainless Steel.



Metric & Inch		Carbon Steel	Stainless Steel
Range	Graduation	Model No.	Model No.
0-150mm/6"	0.02mm/0.001"	103-1501	403-1501
0-200mm/8"	0.02mm/0.001"	103-2001	403-2001
0-300mm/12"	0.02mm/0.001"	103-3001	403-3001
0-6"	0.001"/1/128"	103-1503	403-1503
0-150mm/6"	0.05mm/0.001"	103-1509	403-1509
0-200mm/8"	0.05mm/0.001"	103-2009	403-2009
0-150mm/6"	0.05mm/1/128"	103-1508	403-1508
0-200mm/8"	0.05mm/1/128"	103-2008	403-2008
0-300mm/12"	0.05mm/1/128"	103-3008	403-3008

Metric Only		Carbon Steel	Stainless Steel
Range	Grad.	Model No.	Model No.
0-100mm	0.02mm	103-1002	403-1002
0-125mm	0.02mm	103-1252	403-1252
0-150mm	0.02mm	103-1502	403-1502
0-200mm	0.02mm	103-2002	403-2002
0-300mm	0.02mm	103-3002	403-3002
0-100mm	0.05mm	103-1005	403-1005
0-125mm	0.05mm	103-1255	403-1255
0-150mm	0.05mm	103-1505	403-1505
0-200mm	0.05mm	103-2005	403-2005
0-300mm	0.05mm	103-3005	403-3005

With Fine Adjustment

- 4 Way measurement.
- Upper 300mm/12" without depth measurement.
- Made of Carbon Steel or Stainless Steel.



Metric & Inch		Carbon Steel	Stainless Steel
Range	Graduation	Model No.	Model No.
0-150mm/6"	0.02mm/0.001"	104-1501	404-1501
0-200mm/8"	0.02mm/0.001"	104-2001	404-2001
0-300mm/12"	0.02mm/0.001"	104-3001	404-3001
0-150mm/6"	0.05mm/0.001"	104-1503	404-1503
0-150mm/6"	0.05mm/1/128"	104-1508	404-1508
0-200mm/8"	0.05mm/1/128"	104-2008	404-2008
0-300mm/12"	0.05mm/1/128"	104-3008	404-3008

Metric Only		Carbon Steel	Stainless Steel
Range	Grad.	Model No.	Model No.
150mm	0.02mm	104-1502	404-1502
200mm	0.02mm	104-2002	404-2002
300mm	0.02mm	104-3002	404-3002
150mm	0.05mm	104-1505	404-1505
200mm	0.05mm	104-2005	404-2005
300mm	0.05mm	104-3005	404-3005

With Auto Clamp

- 4 Way measurement.
- Made of Carbon Steel or Stainless Steel.



Metric & Inch		Carbon Steel	Stainless Steel
Range	Graduations	Model No.	Model No.
0-150mm/6"	0.02mm/0.001"	105-1501	405-1501
0-200mm/8"	0.02mm/0.001"	105-2001	405-2001
0-300mm/8"	0.02mm/0.001"	105-3001	405-3001
0-150mm/6"	0.05mm/1/128"	105-1508	405-1508
0-200mm/8"	0.05mm/1/128"	105-2008	405-2008
0-300mm/8"	0.05mm/1/128"	105-3008	405-3008

Metric Only		Carbon Steel	Stainless Steel
Range	Grad.	Model No.	Model No.
0-150mm	0.02mm	105-1502	405-1502
0-200mm	0.02mm	105-2002	405-2002
0-300mm	0.02mm	105-3002	405-3002
0-150mm	0.05mm	105-1505	405-1505
0-200mm	0.05mm	105-2005	405-2005
0-300mm	0.05mm	105-3005	405-3005

Type 3, with Fine Adjustment

- With up scriber jaws.

- With Circular inside jaws.
- 2 way measurement.
- Made of High quality Tool Steel.



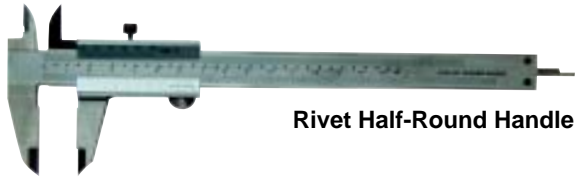
Metric & Inch		Jaw Length	Model No.
Range	Graduations		
0-200mm/8"	0.02mm/0.001"	60mm	102-1202
0-200mm/8"	0.02mm/0.001"	90mm	102-1203
0-300mm/12"	0.02mm/0.001"	60mm	102-1302
0-300mm/12"	0.02mm/0.001"	90mm	102-1303
0-200mm/8"	0.05mm/1/128"	60mm	102-1205
0-200mm/8"	0.05mm/1/128"	90mm	102-1206
0-300mm/12"	0.05mm/1/128"	60mm	102-1305
0-300mm/12"	0.05mm/1/128"	90mm	102-1306

Metric Only		Jaw Length	Model No.
Range	Grad.		
0-200mm	0.02mm	60mm	102-0202
0-200mm	0.02mm	90mm	102-0203
0-300mm	0.02mm	60mm	102-0302
0-300mm	0.02mm	90mm	102-0303
0-200mm	0.05mm	60mm	102-0205
0-200mm	0.05mm	90mm	102-0206
0-300mm	0.05mm	60mm	102-0305
0-300mm	0.05mm	90mm	102-0306

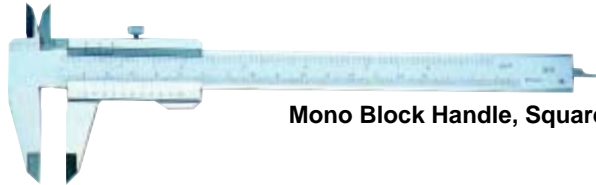


MONO-BLOCK VERNIER CALIPERS

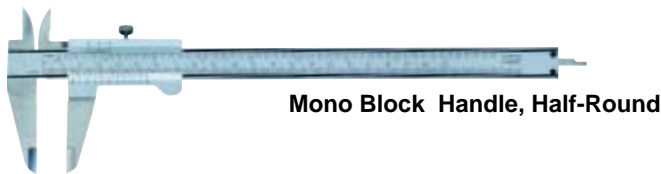
Mono-Block with Upper Screw Lock



Rivet Half-Round Handle



Mono Block Handle, Square



Mono Block Handle, Half-Round

- 4 Way measurement.
- Made of Stainless Steel.

Range	Graduations	Rivet Half-Round Handle Model No.	Mono Block Square Handle Model No.	Mono Block Half-Round Handle Model No.
0-100mm	0.02mm	817-0712		
0-150mm	0.02mm	817-0802	817-0902	817-4002
0-200mm	0.02mm	817-0822	817-0922	817-4022
0-300mm	0.02mm	817-0832		
0-70mm	0.05mm	817-0705		
0-100mm	0.05mm	817-0715		
0-150mm	0.05mm	817-0805	817-0905	817-4005
0-200mm	0.05mm	817-0825	817-0925	817-4025
0-300mm	0.05mm	817-0835		
0-150mm/6"	0.02mm/0.001"	817-0801	817-0901	817-4001
0-200mm/8"	0.02mm/0.001"	817-0821	817-0921	817-4021
0-300mm/12"	0.02mm/0.001"	817-0831		
0-150mm/6"	0.05mm/1/128"	817-0808	817-0908	817-4008
0-200mm/8"	0.05mm/1/128"	817-0828	817-0928	817-4028
0-300mm/12"	0.05mm/1/128"	817-0838		

Mono-Block, with Under Screw Lock

Made of Stainless Steel



Range	Graduations	Model No.
150mm	0.02mm	817-5152
150mm	0.05mm	817-5155
150mm/6"	0.02mm/1/1000"	817-5151
150mm/6"	0.05mm/1/128"	817-5158

Mono-Block, with Screw Lock



- 2 Way measurement.
- Made of high quality tool Steel.

Range	Graduations	Carbon Steel
0-200mm	0.02mm	827-0202
0-200mm	0.05mm	827-0205

Mono-Block, with Plane Looking

- Made of stainless steel.
- 4 way measurement.

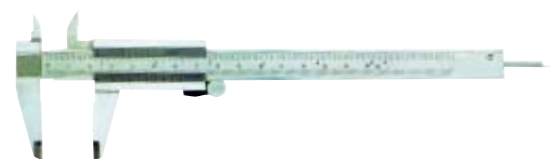


Range	0.02mm/0.001" Model No.	0.05mm/1/128" Model No.
0-150mm/6"	817-1501	817-1508
0-200mm/8"	817-2001	817-2008
0-300mm/12"	817-3001	817-3008

Range	0.02mm Model No.	0.05mm Model No.
0-150mm	817-1502	817-1505
0-200mm	817-2002	817-2005
0-300mm	817-3002	817-3005

Mono-Block, with Roll-wheel

Made of Stainless Steel



Range	Graduations	Model No.
150mm	0.02mm	818-4152
150mm	0.05mm	818-4155
150mm/6"	0.02mm/1/1000"	818-4151
150mm/6"	0.05mm/1/128"	818-4158



Measuring Tools

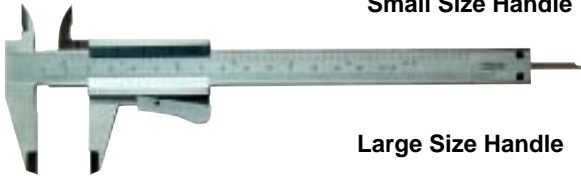
MONO-BLOCK VERNIER CALIPERS continued

Mono-Block with Auto Clamp

- 4 Way measurement.
- Made of Stainless Steel.



Small Size Handle



Large Size Handle

Range	Graduation	Large Size Handle Model No.	Small Size Handle Model No.
0-150mm	0.02mm	818-0152	818-1152
0-200mm	0.02mm	818-0202	818-1202
0-300mm	0.02mm	818-0302	
0-150mm	0.05mm	818-0155	818-1155
0-200mm	0.05mm	818-0205	818-1205
0-300mm	0.05mm	818-0305	
0-150mm	0.02mm/0.001"	818-0151	818-1151
0-200mm	0.02mm/0.001"	818-0201	818-1201
0-300mm	0.02mm/0.001"	818-0301	
0-150mm	0.05mm/1/128"	818-0158	818-1158
0-200mm	0.05mm/1/128"	818-0208	818-1208
0-300mm	0.05mm/1/128"	818-0308	

Mono-Block with Auto Clamp, Left Hand

Made of Stainless Steel



Range	Graduation	Model No.
150mm/6"	0.05mm/1/128"	818-5006
150mm/6"	0.02mm/0.001"	818-5106

Mono-Block, Self-locking

Made of Stainless Steel



Range	Graduations	Model No.
150mm	0.02mm	818-2152
150mm	0.05mm	818-2155
150mm/6"	0.02mm/0.001"	818-2151
150mm/6"	0.05mm/1/128"	818-2158

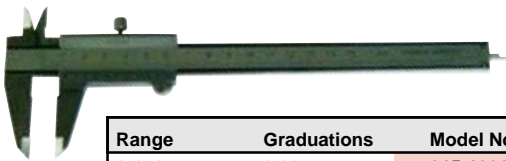
Mono-Block, Self-locking with Small Lock

Handle & Round Depth Bar

Made of Stainless Steel



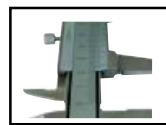
Range	Graduations	Model No.
150mm	0.02mm	818-3152
150mm	0.05mm	818-3155
150mm/6"	0.02mm/1/0.001"	818-3151
150mm/6"	0.05mm/1/128"	818-3158



Parallexe Free Mono-Block

Made of Stainless Steel

Range	Graduations	Model No.
0-150mm	0.02mm	815-1901
0-150mm	0.05mm	815-1902
0-150mm/6"	0.02mm/0.001"	815-1905
0-150mm/6"	0.05mm/1/128"	815-1908



Parallexe Free



Vernier

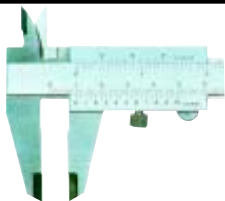
PARALLEX FREE CALIPER

Mono-Block Type

Range	Graduations	Screw Lock Model No.
0-150mm	0.02mm	815-1702
0-150mm	0.05mm	815-1705
0-150mm/6"	0.02mm/0.001"	815-1701
0-150mm/6"	0.05mm/1/128"	815-1708

Mono-Block & Double Prism Type

Range	Graduations	Screw Lock Model No.
0-150mm	0.02mm	815-1802
0-150mm	0.05mm	815-1805
0-150mm/6"	0.02mm/0.001"	815-1801
0-150mm/6"	0.05mm/1/128"	815-1808



- Made of Stainless Steel.
- 4 way measurement.

Basic Model

Range	Graduations	Auto Clamp Model No.	Screw Lock Model No.
0-150mm	0.02mm	815-1602	815-1502
0-150mm	0.05mm	815-1605	815-1505
0-150mm/6"	0.02mm/0.001"	815-1601	815-1501
0-150mm/6"	0.05mm/1/128"	815-1608	815-1508



SPECIALTY VERNIER CALIPERS

With Points

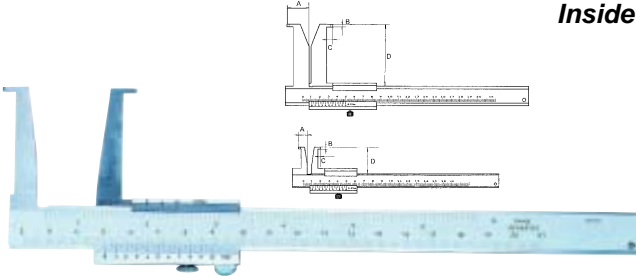
- Made of Stainless Steel.



Range	Graduation	Length of Jaws	Model No.
0-60mm	0.1mm	55	610-5501
0-60mm	0.1mm	80	610-5502
0-90mm	0.1mm	120	610-5503

Inside Groove Vernier Caliper

- Mono-Block.
- Made of stainless steel.
- With upper Jaws.



Range	Graduation	A	B	C	D	Model No.
10-160mm	0.05mm	10mm	2mm	3mm	30mm	610-7160
26-200mm	0.05mm	25mm	3mm	7mm	70mm	610-7200

For Inside Groove Measurements

- Prolongation Jaws.



Range	Graduations	Size of Jaw	Model No.
40-340mm/0-300mm	0.02mm	95x40mm	610-6302
60-560mm/0-500mm	0.02mm	150x60mm	610-6502
40-340mm/0-300mm	0.05mm	95x40mm	610-6305
60-560mm/0-500mm	0.05mm	150x60mm	610-6505

Precision Welding Seam Gauge

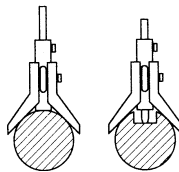
Model No. 102-5500

- Angles of 60°, 70°, 80° and 90°
- Reading 1/10mm
- Made of stainless steel.



Spline Gages

Made of Stainless Steel



Range	Graduation	Model No.
5-80mm	0.05mm	102-9105
6-120mm	0.05mm	102-9106
7-160mm	0.05mm	102-9107
8-200mm	0.05mm	102-9108

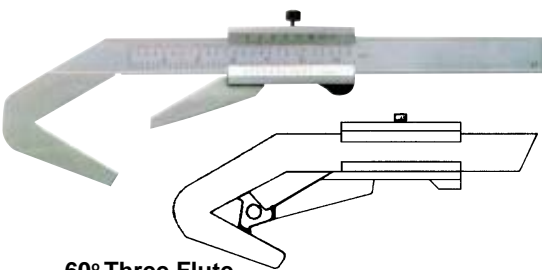
V-Measuring Face Vernier Caliper

60° Three Flute

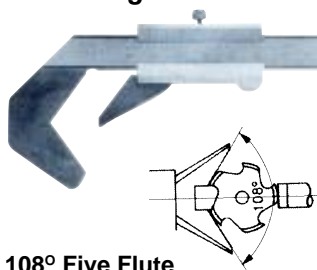
Range	Graduation	Model No.
4-40mm	0.05mm	102-2040
20-75mm	0.05mm	102-2075

108° Five Flute

Range	Graduation	Model No.
1-40mm	0.05mm	102-2140



60° Three Flute



108° Five Flute

Electronic Digital V-Measuring Face Vernier Caliper



60° Three Flute

Range	Graduation	Model No.
4-40mm	0.02mm	102-2240
20-75mm	0.02mm	102-2275

108° Five Flute

Range	Graduation	Model No.
1-40mm	0.02mm	102-2340



Measuring Tools

SPECIALTY VERNIER CALIPERS T- Type Marking Vernier Caliper



Range	Graduation	with Fine Adjustment Model No.	without Fine Adjustment Model No.
0-150mm	0.05mm	102-3150	102-3151
0-250mm	0.05mm	102-3250	102-3251
0-300mm	0.05mm	102-3300	102-3301
0-400mm	0.05mm	102-3400	102-3401
0-500mm	0.05mm	102-3500	102-3501

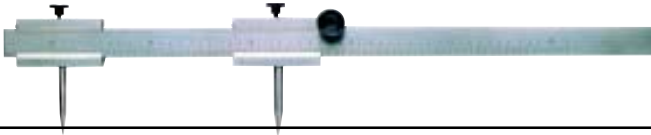
Marking Vernier Caliper



Range	Graduation	Model No.
0-200mm	0.05mm	102-4200
0-250mm	0.05mm	102-4250
0-300mm	0.05mm	102-4300
0-400mm	0.05mm	102-4400
0-500mm	0.05mm	102-4500

Steel Marking Gages with Double Needles

Made of Stainless Steel



Range	Graduation	Model No.
300mm	0.1mm	102-9012
500mm	0.1mm	102-9020
1000mm	0.1mm	102-9040

Marking Gages



- Flat pattern.
- Hardened lay-out edge.

Range	Stainless Steel Model No.	Carbon Steel Model No.
200mm	102-5200	102-5201
250mm	102-5250	102-5251
300mm	102-5300	102-5301

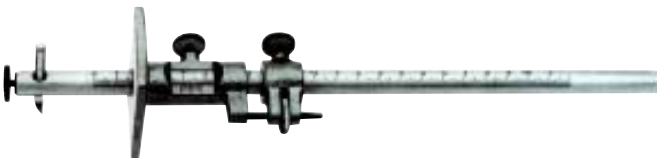
Range	Stainless Steel Model No.	Carbon Steel Model No.
8"	102-5008	102-5009
10"	102-5010	102-5011
12"	102-5012	102-5013

Steel Marking Gages with Round Head



Range	Graduation	with Fine Adjustment Model No.	without Fine Adjustment Model No.
200mm	0.1mm	102-7608	102-7200
300mm	0.1mm	102-7612	102-7300
400mm	0.1mm	102-7616	102-7400
500mm	0.1mm	102-7620	102-7500

Steel Marking Gages with Square Head



Range	Graduation	with Fine Adjustment Model No.	without Fine Adjustment Model No.
200mm	0.1mm	102-8200	102-8008
300mm	0.1mm	102-8300	102-8012
400mm	0.1mm	102-8400	102-8016
500mm	0.1mm	102-8500	102-8020

Marking Gages Compass Type



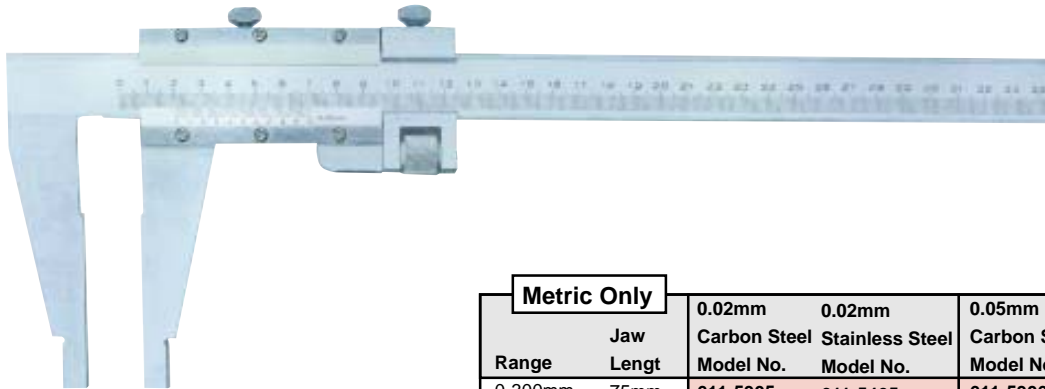
Range	Graduation	with steel jaw Model No.	with carbide jaw Model No.
150mm	0.1mm	102-6150	102-6450
200mm	0.1mm	102-6200	102-6500
250mm	0.1mm	102-6250	102-6550
300mm	0.1mm	102-6300	102-6600

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HEAVY DUTY VERNIER CALIPERS

Basic Model



- Long 50-division vernier scales (Not available on 611-5612) have Wide spread easy to read, clear engraved crisp black graduations in 1/1000"
- Longer jaws permit greater accessibility and simpler measurement of larger work pieces.
- With fine adjustment.

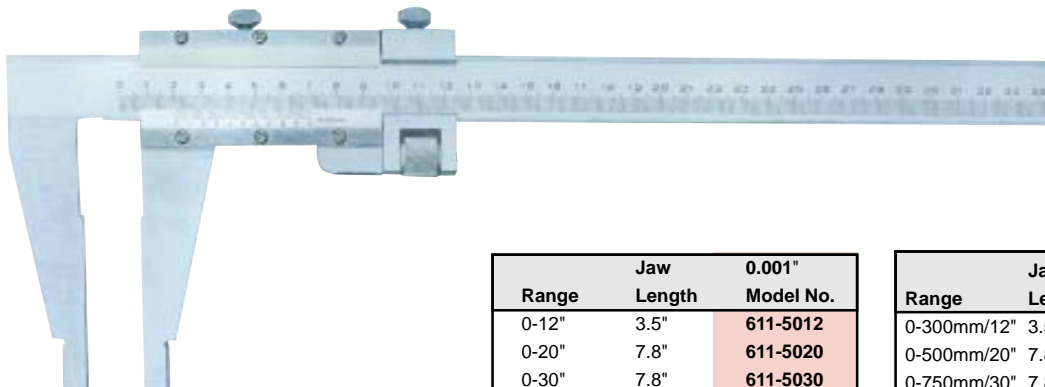
		Metric Only			
	Jaw Length	0.02mm Carbon Steel Model No.	0.02mm Stainless Steel Model No.	0.05mm Carbon Steel Model No.	0.05mm Stainless Steel Model No.
0-300mm	75mm	611-5305	611-5405	611-5306	611-5406
0-450mm	100mm	611-5310	611-5410	611-5311	611-5411
0-500mm	100mm	611-5315	611-5415	611-5316	611-5416
0-600mm	100mm	611-5320	611-5420	611-5321	611-5421
0-1000mm	125mm	611-5325	611-5425	611-5326	611-5426
0-1500mm	200mm	611-5330	611-5430	611-5331	611-5431
0-2000mm	200mm	611-5335	611-5435	611-5336	611-5436

Remark: * 7" Jaw Length

Range	Jaw Length	Inch Only		Metric & Inch		Inch & Metric		
		0.001" Carbon Steel Model No.	0.001" Stainless Steel Model No.	0.02mm/0.001" Carbon Steel Model No.	0.02mm/0.001" Stainless Steel Model No.	0.001"/.02mm Carbon Steel Model No.	0.001"/.02mm Stainless Steel Model No.	0.001"/.001" Carbon Steel Model No.
0-12"	3"	611-5212	611-5112	611-5812	611-5712	611-5612	611-5512	
0-18"	4"	611-5218	611-5118	611-5818	611-5718	611-5618	611-5518	611-5918
0-20"	4"	611-5220	611-5120	611-5820	611-5720	611-5620	611-5520	
0-24"	4"	611-5224	611-5124	611-5824	611-5724	611-5624	611-5524	611-5924
0-40"	5"	611-5240	611-5140	611-5840	611-5740	611-5640	611-5540	611-5940
0-60"	8"	*611-5260	*611-5160	611-5860	*611-5760	611-5660	611-5560	611-5960
0-80"	8"	*611-5280		611-5880	*611-5780	611-5680	611-5580	611-5980
0-40"	6-1/2"					611-5541	611-5941	

HEAVY DUTY VERNIER CALIPERS

Long Jaws



Range	Jaw Length	0.001" Model No.
0-12"	3.5"	611-5012
0-20"	7.8"	611-5020
0-30"	7.8"	611-5030
0-40"	7.8"	611-5040

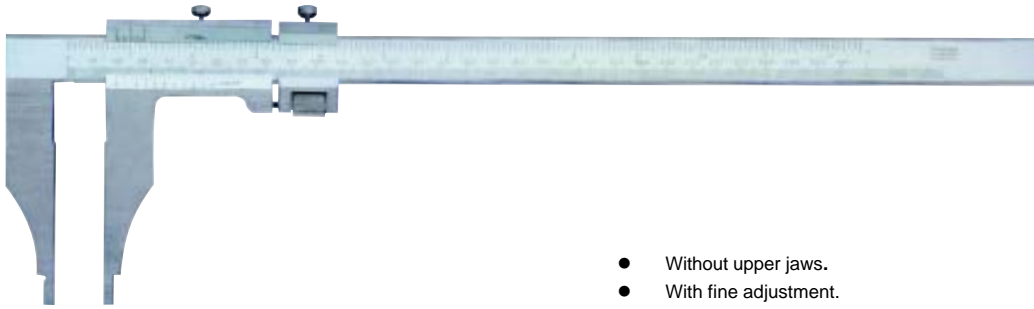
Range	Jaw Length	0.02mm/0.001" Model No.
0-300mm/12"	3.5"	611-6012
0-500mm/20"	7.8"	611-6020
0-750mm/30"	7.8"	611-6030
0-1000mm/40"	7.8"	611-6040



Measuring Tools

HEAVY DUTY VERNIER CALIPERS

Mono-Block , Long Jaw Type (Jaw Length: 150mm/6")



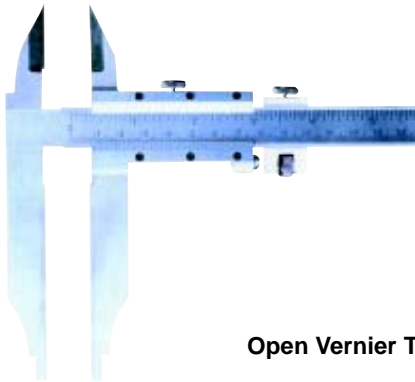
- Without upper jaws.
- With fine adjustment.
- Made of carbon steel or stainless steel

Metric Only					Metric & Inch		0.02mm/0.001" 0.02mm/0.001"		0.05mm/1/128" 0.05mm/1/128"	
Range	0.02mm Carbon Steel	0.02mm Stainless Steel	0.05mm Carbon Steel	0.05mm Stainless Steel	Range	Carbon Steel Model No.	Stainless Steel Model No.	Carbon Steel Model No.	Stainless Steel Model No.	
0-450mm	611-0204	611-1204	611-0504	611-1504	0-450mm/18"	611-0218	611-1218	611-0518	611-1518	
0-500mm	611-0205	611-1205	611-0505	611-1505	0-500mm/20"	611-0220	611-1220	611-0520	611-1520	
0-600mm	611-0206	611-1206	611-0506	611-1506	0-600mm/24"	611-0224	611-1224	611-0524	611-1524	
0-1000mm	611-0210	611-1210	611-0510	611-1510	0-800mm/32"	611-0232	611-1232	611-0532	611-1532	
					0-1000mm/40"	611-0240	611-1240	611-0540	611-1540	

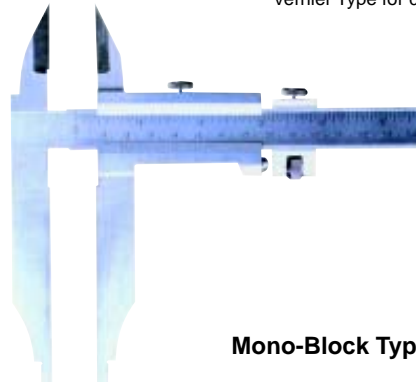
HEAVY DUTY VERNIER CALIPERS

With External Upper Jaws

- Made of Stainless Steel
- With fine adjustment.
- Open vernier Type and Mono-Block Vernier Type for choice.



Open Vernier Type



Mono-Block Type

Metric Only						Metric & Inch					
Range	Jaw Length	Open Vernier		Mono-Block		Range	Jaw Length	Open Vernier		Mono-Block	
		.02mm Model No.	.05mm Model No.	.02mm Model No.	.05mm Model No.			0.02mm/0.001" Model No.	0.05mm/1/128" Model No.	0.02mm/0.001" Model No.	0.05mm/1/128" Model No.
0-400mm	100mm	610-0162	610-0165	610-2162	610-2165	0-400mm/16"	100mm	610-1162	610-1165	610-3162	610-3165
0-450mm	100mm	610-0182	610-0185	610-2182	610-2185	0-450mm/18"	100mm	610-1182	610-1185	610-3182	610-3185
0-500mm	100mm	610-0202	610-0205	610-2202	610-2205	0-500mm/20"	100mm	610-1202	610-1205	610-3202	610-3205
0-500mm	150mm	610-0203	610-0206	610-2203	610-2206	0-500mm/20"	150mm	610-1203	610-1206	610-3203	610-3206
0-600mm	100mm	610-0242	610-0245	610-2242	610-2245	0-600mm/24"	100mm	610-1242	610-1245	610-3242	610-3245
0-600mm	150mm	610-0243	610-0246	610-2243	610-2246	0-600mm/24"	150mm	610-1243	610-1246	610-3243	610-3246
0-750mm	150mm	610-0302	610-0305	610-2302	610-2305	0-750mm/30"	150mm	610-1302	610-1305	610-3302	610-3305
0-1000mm	150mm	610-0402	610-0405	610-2402	610-2405	0-1000mm/40"	150mm	610-1402	610-1405	610-3402	610-3405
0-1500mm	200mm	610-0602	610-0605	610-2602	610-2605	0-1500mm/60"	200mm	610-1602	610-1605	610-3602	610-3605
0-2000mm	200mm	610-0802	610-0805	610-2802	610-2805	0-2000mm/80"	200mm	610-1802	610-1805	610-3802	610-3805