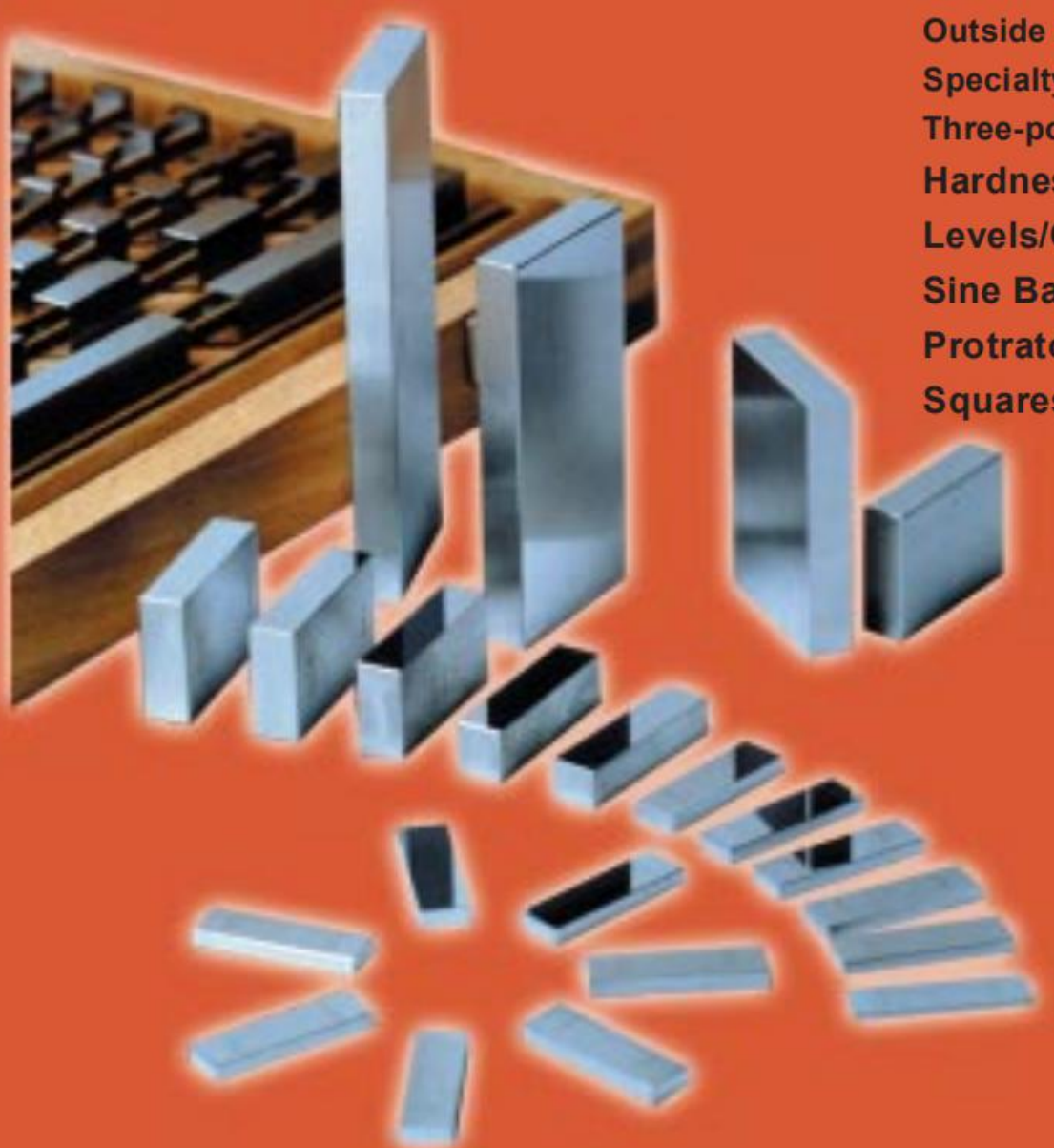
Measuring Tools & Equipments





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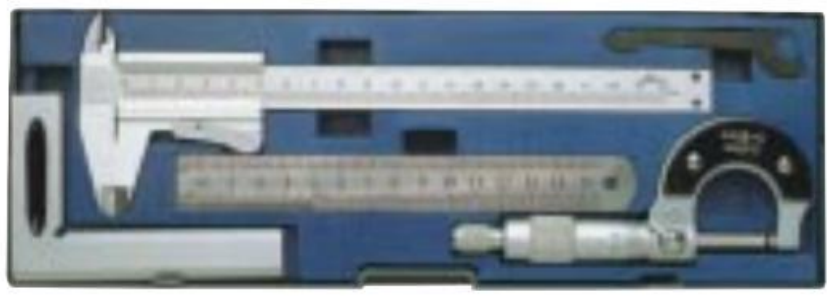
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Measuring Tool Kits



No. of Pieces	Specification	Individual Order No.	Set Order No.
4Pcs/set	• One 0-150mm Vernier Caliper Mono-Block, Thumb lock, .05mm	817-0905	135-4001
	• One 0-25mm Outside Micrometer	601-5025	
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• Plastic case	13P-4012	
4Pcs/set	• One 6" Vernier Caliper Graduation 1/128"	817-0905	135-4002
	• One 0-1"Outside Micrometer	601-0111	
	• One 90° Knife Edge Square DIN875/1,100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• Plastic case	13P-4012	
4Pcs/set	• One 0-150mm Electronic Digital caliper		135-4005
	• One 0-25mm Electronic Outside Micrometer	600-8001	
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• Plastic case		



No. of Pieces	Specification	Individual Order No.	Set Order No.
4Pcs/set	• One 0-150mm Dial Caliper, Graduation .02mm	20W-S210	135-4003
	• One 0-25mm Outside Micrometer, Grad.: 0.01mm,Chrome-Plated.	600-5025	
	• One 90° Knife Edge Square DIN 875/1,100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• Plastic case	13P-4034	
4Pcs/set	• One 6" Dial Caliper Graduation: 0.001"	10W-S006	135-4004
	• One 0-1" Outside Micrometer, Grad.:0.0001", Chrome-Plated.	601-0111	
	• One 90° Knife Edge Square DIN 875/1,100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• Plastic case	13P-4034	



No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• One 0-150mm Vernier Caliper Mono-Block, Thumb lock, .05mm	817-0905	135-2001
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• Wooden case	13W-2012	
2Pcs/set	• One 6" Vernier Caliper Graduation:1/128"	403-1503	135-2002
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• Wooden case	13W-2012	



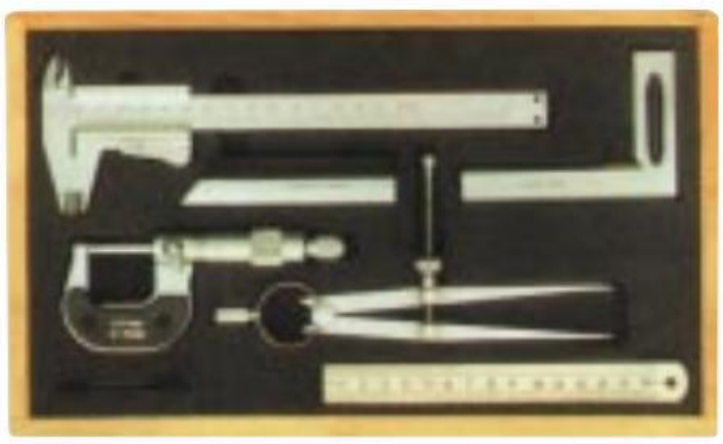
No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• One 6" Vernier Caliper Graduation:1/128"	403-1503	135-2003
	• One 0-1" Outside Micrometer ,Grad. 0.0001" Chrome-Plated	601-0001	
	• Wooden case	13W-2034	
2Pcs/set	• One 0-150mm Caliper Mono-Block, Thumb lock, .05mm	817-0905	135-2004
	• One 0-25mm Outside Micrometer Grad.:0.01mm, Chrome-Plated	601-5025	
	• Wooden case	13W-2034	



No. of Pieces	Specification	Individual Order No.	Set Order No.
3Pcs/set	• One 0-150mm Vernier Caliper Mono-Block, Thumb lock, .05mm	817-0905	135-3001
	• One 0-25mm Outside Micrometer Chrome-Plated	601-5025	
	• One 5-30mm Inside Micrometer,Grad.: 0.01mm	600-4005	
	• Wooden case	13W-3012	
3Pcs/set	• One 0-6" Vernier Caliper Graduation: 1/128"	817-0905	135-3002
	• One 0-1" Outside Micrometer	601-0111	
	• One .2"-1.2" Inside Micrometer	600-5005	
	• Wooden case	13W-3012	



No. of Pieces	Specification	Individual Order No.	Set Order No.
5Pcs/set	• One 0-150mm Vernier Caliper Mono-Block, Thumb lock, .05mm	817-0905	135-5001
	• One 0-25mm Digital Readout Outside Micrometer	600-3025	
	• One 0-200mm Depth Gauge Graduation .05mm	112-0202	
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• One Straight Edge Ruler DIN 874/0, 100mm	639-7110	
	• Wooden case	13W-5012	
5Pcs/set	• One 0-6" Vernier Caliper Graduation 1/128"	403-1503	135-5002
	• One 0-1"Digital Readout Outside Micrometer	600-3011	
	• One 0-8" Depth Gauge Graduation1/128"	112-0086	
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• One Straight Edge Ruler DIN 874/0, 100mm	638-7110	
	• Wooden case	13W-5012	



No. of Pieces	Specification	Individual Order No.	Set Order No.
6Pcs/set	• One 0-150mm Vernier Caliper Mono-Block, Thumb lock, .05mm	817-0905	135-6001
	• One 0-25mm Outside Micrometer	601-5025	
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• One Steel Scriber		
	• One Steel Divider	109-0904	
	• Wooden case	13W-6012	
6Pcs/set	• One 0-6" Vernier Caliper Graduation: 1/128"	403-1503	135-6002
	• One 0-1" Outside Micrometer	601-0111	
	• One 90° Knife Edge Square DIN 875/1, 100x70mm	638-1215	
	• One 150mm/6" Stainless Steel Ruler	638-8205	
	• One Steel Scriber		
	• One Steel Divider	109-0904	
	• Wooden case	13W-5034	
6Pcs/set	• One 0-25mm Ele. Outside Micrometer	600-8001	135-6003
	• One 0-150mm (.05mm)Ele. Digital caliper • One 90° Knife Edge Square (638-1215) DIN 875/1, 100x70mm • One 150mm/6" Stainless Steel Ruler • One Steel Scriber • One Steel Divider(109-0904) • Wooden case(13W-5034)	135-5006	

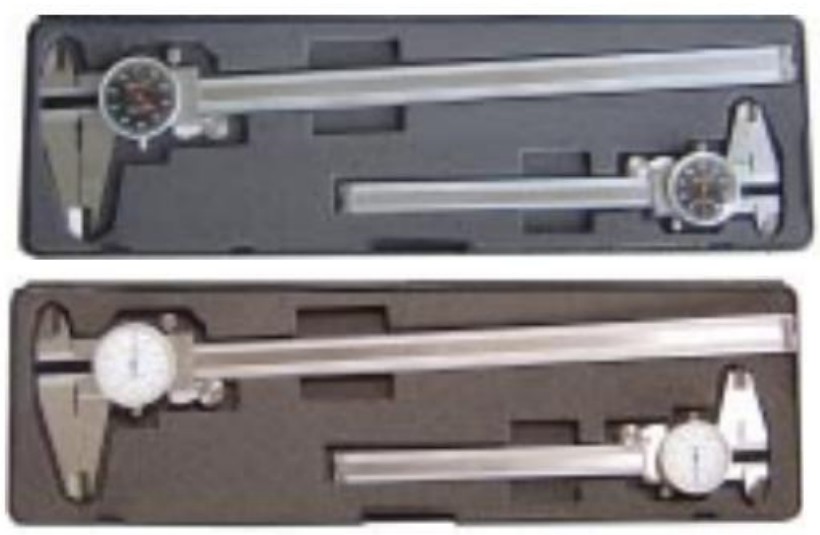
Measuring Tool Kits



No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• One 0-6”/150mm Electronic Caliper Graduation:0.00005”/0.001mm • One 0-1”/25mm Ele. Outside Micrometer, Graduation: 0.00005”/0.001mm • Plastic Case	**101-0114** **600-8081** **135-CP15**	**135-0050**
2Pcs/set	• One 0-6”/150mm Electronic Caliper Graduation:0.0005”/0.01mm • One 0-1”/25mm Ele. Outside Micrometer, Graduation: 0.00005”/0.001mm • Plastic Case		**135-0051**



No. of Pieces	Specification	Individual Order No.	Set Order No.
5Pcs/set	• One 0-150mm Vernier Caliper Mono-Block, Thumb lock, .05mm • One 0-25mm Outside Micrometer • One 90° Knife Edge Square DIN 875/1, 100x70mm • One 150mm/6” Stainless Steel Ruler • One Steel Scriber • Wooden case		**135-5003**
5Pcs/set	• One 0-6” Vernier Caliper 1/128” • One 0-1” Outside Micrometer • One 90° Knife Edge Square DIN 875/1, 100x70mm • One 150mm/6” Stainless Steel Ruler • One Steel Scriber • Wooden case		**135-5004**
5Pcs/set	• One 0-150mm Electronic Digital caliper • One 0-25mm Electronic Outside Micrometer • One 90° Knife Edge Square DIN 875/1, 100x70mm • One 150mm/6” Stainless Steel Ruler • One Steel Scriber • case	**600-8001** **638-1215** **638-8205** **13W-5034**	**135-5005**



NEW

Hot!

No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• 0-6” White face Dial caliper • 0-6” White face Dial caliper • Plastic case	**10W-S006** **10W-S012**	**10W-0612**
2Pcs/set	• 0-6” Black face Dial caliper • 0-6” Black face Dial caliper • Plastic case	**10B-S006** **10B-S012**	**10B-0612**



No. of Pieces	Specification	Set Order No.
2Pcs/set	• Indicator: 0-1” • Flexible stem holder almost 360 degrees, Length: 350mm • 7” Locking plier for holding and clamping objects regardless of shape or size. • Fixing block • Finished in fitted plastic case • Flexible stem holder with Locking plier	**135-0090**



No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• 0-1" White face Dial indicator • 60kg Magnetic base W/fine adj. • Plastic case	6605-4070 6625-0341 135-CP02	135-0002
2Pcs/set	• 0-1" Black face Dial indicator • 60kg Magnetic base W/fine adj. • Plastic case	605-4080 625-0341 135-CP02	135-0005



No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• 0-2" White face Dial indicator • 60kg Magnetic base W/fine adj. • Plastic case	6605-4025 6625-0341 135-CP13	135-2005



No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• .03x.0005" White face test indicator • 1-7/8" Test indicator holder • Plastic case	605-4710 6625-8522 135-CP14	135-0014
2Pcs/set	• .03x.0005" Black face test indicator • 1-7/8" Test indicator holder • Plastic case	605-4709 6625-8522 135-CP14	135-0015



No. of Pieces	Specification	Individual Order No.	Set Order No.
3Pcs/set	• White face 1" dial indicator • 22-pc Indicator point set • Mighty Magnetic Base • Plastic case	6605-4070 605-0022 625-0450 135-CP10	135-0010
3Pcs/set	• Black face 1" Dial indicator • 22-pc Indicator point set • Mighty Magnetic Base • Plastic case	6605-4080 605-0022 625-0450 135-CP10	135-0011



No. of Pieces	Specification	Individual Order No.	Set Order No.
3Pcs/set	• 0-1" White face dial indicator • 60kg Magnetic Base W/fine adj. • 22-pc Indicator point set • Plastic case	6605-4070 6625-0341 605-0022 135-CP02	135-0006
3Pcs/set	• 0-1" Black face Dial indicator • 60kg Magnetic Base W/fine adj. • 22-pc Indicator point set • Plastic case	6605-4080 6625-0341 605-0022 135-CP02	135-0007



No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• 0-4" Black face Dial caliper • 0-1" Black face Dial indicator • Plastic case	10B-S004 6605-4080 135-CP01	135-0001
2Pcs/set	• 0-4" White face Dial caliper • 0-1" White face Dial indicator • Plastic case	10W-S004 6605-4070 135-CP01	135-0004
2Pcs/set	• 0-6" Black face Dial caliper • 0-1" Black face Dial indicator • Plastic case	10B-S006 6605-4080 135-CP16	135-0016
2Pcs/set	• 0-6" White face Dial caliper • 0-1" White face Dial caliper • Plastic case	10W-S006 6605-4070 135-CP16	135-0017

Measuring Tool Kits



No. of Pieces	Specification	Individual Order No.	Set Order No.
6Pcs/set	• 0-6" White face Dial caliper	10W-S006	135-0012
	• 0-1" White face Dial indicator	6605-4070	
	• .03x.0005" White face test indicator	605-4710	
	• 0-1x.0001" Outside micrometer	601-0111	
	• 60kgs Magnetic base W/fine adj.	6625-0341	
	• 22-pc Indicator point set	605-0022	
	• Plastic case	135-CP12	
6Pcs/set	• 0-6" Black face Dial caliper	10B-S006	135-0013
	• 0-1" Black face Dial indicator	605-4080	
	• .03x.0005" Black face test indicator	605-4709	
	• 0-1x.0001" Outside micrometer	601-0111	
	• 60kgs Magnetic base W/fine adj.	6625-0341	
	• 22-pc Indicator point set	605-0022	
	• Plastic case	135-CP12	



No. of Pieces	Specification	Individual Order No.	Set Order No.
6Pcs/set	• 0-6" White face Dial caliper	10W-S006	135-0018
	• 0-1x.0001" Outside micrometer	601-0111	
	• Square head	638-7759	
	• Protractor head	638-7757	
	• Center head	638-7758	
	• 12" Blade 4R	638-7752	
	• Plastic case	135-CP18	
6Pcs/set	• 0-6" Black face Dial caliper	10B-S006	135-0019
	• 0-1x.0001" Outside micrometer	601-0111	
	• Square head	638-7759	
	• Protractor head	638-7757	
	• Center head	638-7758	
	• 12" Blade 4R	638-7752	
	• Plastic case	135-CP18	



No. of Pieces	Specification	Individual Order No.	Set Order No.
3Pcs/set	• 0-6" Black face Dial caliper	10B-S006	135-0008
	• .03x.0005" Black face test indicator	605-4709	
	• 0-1x.0001" Outside micrometer	601-0111	
	• Plastic case	135-CP08	
3Pcs/set	• 0-6" White face Dial caliper	10W-S006	135-0009
	• .03x.0005" White face test indicator	605-4710	
	• 0-1x.0001" Outside micrometer	601-0111	
	• Plastic case	135-CP08	



No. of Pieces	Specification	Individual Order No.	Set Order No.
4Pcs/set	• 81pc Grade B steel rectangular gage block	630-4115	135-5030
	• 12x18x3" B-0 Granite surface plate	640-0120	
	• 12" Vernier height gage	622-8512	
	• .03x.0005" White face test indicator	605-4710	
4Pcs/set	• 81pc Grade B steel rectangular gage block	630-4115	135-5031
	• 12x18x3" B-0 Granite surface plate	640-0120	
	• 12" Vernier height gage	622-8512	
	• .03x.0005" Black face test indicator	605-4709	
2Pcs/set	• 0-12"/300mm Vernier height gage	622-8512	135-9999
	• 12x18x3" B-0 Granite surface plate	640-0120	

Measuring Tool Kits



No. of Pieces	Specification	Individual Order No.	Set Order No.
14Pcs/set	• 0-1" Outside Micrometer 0.0001" .	601-0111	135-0000
	• 0-100 Dial Reading 6" Dial Caliper	10W-S006	
	• 6" Steel ruler, 4R	638-7854	
	• 6" Combination Square	638-7750	
	• 100mm/4" Outside Caliper	108-1104	
	• 100mm/4" Inside Caliper	108-1004	
	• 4" Dividers Spring Type	108-0904	
	• 6" Depth Gages	615-6122	
	• Center Gage	615-6300	
	• 4" Hermaphrodite Caliper	108-1204	
	• 5-1/2" Scriber	830-0382	
	• 3pieces Center Punch Set	830-0240	



NEW

No. of Pieces	Specification	Individual Order No.	Set Order No.
2Pcs/set	• 0-1" White face Dial indicator	6605-4070	135-0038
	• 60kg Flexible Arm Magnetic base	625-1060	
	• Plastic case	135-CP02	



Electronic Micrometer and Base Sets

Pieces	Specifications	Individual Order No.	Set Order No.
2 Pcs/set	0-1"/0-25mm 2keys Ele. Micrometer	600-8001	135-2012
	Adj. Micrometer Stand	600-0105	
2 Pcs/set	0-1"/0-25mm 5keys Ele. Micrometer	600-8005	135-2015
	Adj. Micrometer Stand	600-0105	
2 Pcs/set	0-1"/0-25mm 7keys Ele. Micrometer	600-8031	135-2017
	Adj. Micrometer Stand	600-0105	



Dial Test Indicator Sets

Set Includes:

- Large size dial test indicator
- Axial support
- Height gage bar with clamp
- Universal holder
- Adaptor sleeve
- Contact point case
- Contact point wrench
- Finished in fitted plastric case

Total Range	Grad.	Dial Diameter	Set Order No.
0.060"	0.0005"	1-1/2"	605-4870



Horizontal Type

Set Includes:

- Test indicator:
- Dial reasing: 0-15-0
- Two contact points
- 3/8" &1/4" dovetail stems
- contact point wrench
- Height gage bar
- Universal Dovetail clamp
- Finished in fitted plastic case

Total Range	Grad.	Face	Sets Order No.
0.030"	0.0005"	White	605-4707
0.030"	0.0005"	Black	605-4708

Vernier Calipers



Basic Type

- 4 Way measurement.
- Under 125mm without step measurement.
- Made of carbon steel or stainless steel.

Range	Graduation	Carbon Steel Order No.	Stainless Steel Order No.
0-150mm/6”	.02mm/.001”	**103-1501**	**403-1501**
0-200mm/8”	.02mm/.001”	**103-2001**	**403-2001**
0-300mm/12”	.02mm/.001”	**103-3001**	**403-3001**
0-6”	.001”/1/128”	**103-1503**	**403-1503**
0-150mm/6”	.05mm/.001”	**103-1509**	**403-1509**
0-200mm /8”	.05mm/.001”	**103-2009**	**403-2009**
0-150mm/6”	.05mm/1/128”	**103-1508**	**403-1508**
0-200mm/8”	.05mm/1/128”	**103-2008**	**403-2008**
0-300mm/12”	.05mm/1/128”	**103-3008**	**403-3008**

Range	Grad.	Carbon Steel Order No.	Stainless Steel Order No.
0-100mm	.02mm	**103-1002**	**403-1002**
0-125mm	.02mm	**103-1252**	**403-1252**
0-150mm	.02mm	**103-1502**	**403-1502**
0-200mm	.02mm	**103-2002**	**403-2002**
0-300mm	.02mm	**103-3002**	**403-3002**
0-100mm	.05mm	**103-1005**	**403-1005**
0-125mm	.05mm	**103-1255**	**403-1255**
0-150mm	.05mm	**103-1505**	**403-1505**
0-200mm	.05mm	**103-2005**	**403-2005**
0-300mm	.05mm	**103-3005**	**403-3005**



Fine Adjustment Type

- 4 Way measurement.
- Upper 300mm/12” without depth measurement.
- Made of carbon steel or stainless steel.

Range	Graduation	Carbon Steel Order No.	Stainless Steel Order No.
0-150mm/6”	.02mm/.001”	**104-1501**	**404-1501**
0-200mm/8”	.02mm/.001”	**104-2001**	**404-2001**
0-300mm/12”	.02mm/.001”	**104-3001**	**404-3001**
0-150mm/6”	.05mm/.001”	**104-1503**	**404-1503**
0-150mm/6”	.05mm/1/128”	**104-1508**	**404-1508**
0-200mm/8”	.05mm/1/128”	**104-2008**	**404-2008**
0-300mm/12”	.05mm/1/128”	**104-3008**	**404-3008**

Range	Grad.	Carbon Steel Order No.	Stainless Steel Order No.
150mm	.02mm	**104-1502**	**404-1502**
200mm	.02mm	**104-2002**	**404-2002**
300mm	.02mm	**104-3002**	**404-3002**
150mm	.05mm	**104-1505**	**404-1505**
200mm	.05mm	**104-2005**	**404-2005**
300mm	.05mm	**104-3005**	**404-3005**



Fine Adjustment & Upper Scriber Jaws

- With upper scriber jaws.
- With circular inside jaws.
- 2 way measurement.
- Made of carbon steel.

Range	Graduation	Jaw Length	Order No.
0-200mm/8”	.02mm/.001”	60mm	**102-1202**
0-200mm/8”	.02mm/.001”	90mm	**102-1203**
0-300mm/12”	.02mm/.001”	60mm	**102-1302**
0-300mm/12”	.02mm/.001”	90mm	**102-1303**
0-200mm/8”	.05mm/1/128”	60mm	**102-1205**
0-200mm/8”	.05mm/1/128”	90mm	**102-1206**
0-300mm/12”	.05mm/1/128”	60mm	**102-1305**
0-300mm/12”	.05mm/1/128”	90mm	**102-1306**

Range	Grad.	Jaw Length	Order No.
0-200mm	.02mm	60mm	**102-0202**
0-200mm	.02mm	90mm	**102-0203**
0-300mm	.02mm	60mm	**102-0302**
0-300mm	.02mm	90mm	**102-0303**
0-200mm	.05mm	60mm	**102-0205**
0-200mm	.05mm	90mm	**102-0206**
0-300mm	.05mm	60mm	**102-0305**
0-300mm	.05mm	90mm	**102-0306**



Auto Clamp Type

- 4 Way measurement.
- Made of carbon steel or stainless steel.

Range	Graduation	Carbon Steel Order No.	Stainless Steel Order No.
0-150mm/6”	.02mm/.001”	**105-1501**	**405-1501**
0-200mm/8”	.02mm/.001”	**105-2001**	**405-2001**
0-300mm/8”	.02mm/.001”	**105-3001**	**405-3001**
0-150mm/6”	.05mm/1/128”	**105-1508**	**405-1508**
0-200mm/8”	.05mm/1/128”	**105-2008**	**405-2008**
0-300mm/8”	.05mm/1/128”	**105-3008**	**405-3008**

Range	Grad.	Carbon Steel Order No.	Stainless Steel Order No.
0-150mm	.02mm	**105-1502**	**405-1502**
0-200mm	.02mm	**105-2002**	**405-2002**
0-300mm	.02mm	**105-3002**	**405-3002**
0-150mm	.05mm	**105-1505**	**405-1505**
0-200mm	.05mm	**105-2005**	**405-2005**
0-300mm	.05mm	**105-3005**	**405-3005**

Mono-Block Vernier Calipers



Mono-Block with Screw Lock, Rivet Half-Round Handle

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
0-150mm/6”	.02mm/.001”	**817-0801**
0-200mm/8”	.02mm/.001”	**817-0821**
0-150mm/6”	.05mm/1/128”	**817-0808**
0-200mm/8”	.05mm/1/128”	**817-0828**

Range	Graduations	Order No.
0-150mm	.02mm	**817-0802**
0-200mm	.02mm	**817-0822**
0-150mm	.05mm	**817-0805**
0-200mm	.05mm	**817-0825**



Mono-Block with Screw Lock, Square Mono Block Handle

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
0-150mm/6”	.02mm/.001”	**817-0901**
0-200mm/8”	.02mm/.001”	**817-0921**
0-150mm/6”	.05mm/1/128”	**817-0908**
0-200mm/8”	.05mm/1/128”	**817-0928**

Range	Graduations	Order No.
0-150mm	.02mm	**817-0902**
0-200mm	.02mm	**817-0922**
0-150mm	.05mm	**817-0905**
0-200mm	.05mm	**817-0925**



Mono-Block with Screw Lock, Half-Round Mono Block Handle

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
0-150mm/6”	.02mm/.001”	**817-4001**
0-200mm/8”	.02mm/.001”	**817-4021**
0-150mm/6”	.05mm/1/128”	**817-4008**
0-200mm/8”	.05mm/1/128”	**817-4028**

Range	Graduations	Order No.
0-150mm	.02mm	**817-4002**
0-200mm	.02mm	**817-4022**
0-150mm	.05mm	**817-4005**
0-200mm	.05mm	**817-4025**



Mono-Block, with Lower Screw Lock

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
150mm/6”	0.02mm/0.001”	**817-5151**
150mm/6”	0.05mm/1/128”	**817-5158**

Range	Graduations	Order No.
150mm	0.02mm	**817-5152**
150mm	0.05mm	**817-5155**



Mono-Block, with Upper Screw Lock

- 2 way measurement.
- Made of carbon steel.

Range	Graduations	Order No.
0-200mm	.02mm	**827-0202**
0-200mm	.05mm	**827-0205**



Mono-Block, with Plane Looking

- 4 way measurement.
- Made of stainless steel.

Range	.02mm/.001” Order No.	.05mm/1/128” Order No.
0-150mm/6”	**817-1501**	**817-1508**
0-200mm/8”	**817-2001**	**817-2008**
0-300mm/12”	**817-3001**	**817-3008**

Range	.02mm Order No.	.05mm Order No.
0-150mm	**817-1502**	**817-1505**
0-200mm	**817-2002**	**817-2005**
0-300mm	**817-3002**	**817-3005**



Mono-Block, with Roll-wheel

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
150mm/6”	0.02mm/0.001”	**818-4151**
150mm/6”	0.05mm/1/128”	**818-4158**

Range	Graduations	Order No.
150mm	0.02mm	**818-4152**
150mm	0.05mm	**818-4155**



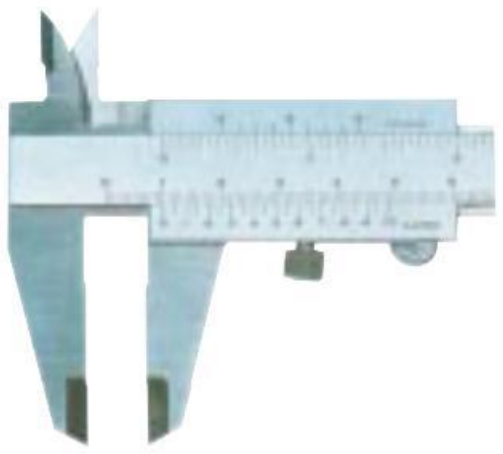


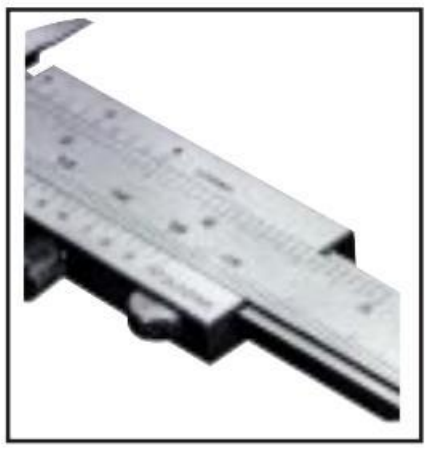






No Parallax Error





Mono-Block Vernier Calipers continued

Mono-Block with Auto Clamp, Small Size Handle

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
0-150mm/6"	.02mm/.001"	**818-1151**
0-200mm/8"	.02mm/.001"	**818-1201**
0-150mm/6"	.05mm/1/128"	**818-1158**
0-200mm/8"	.05mm/1/128"	**818-1208**

Range	Graduations	Order No.
0-150mm	.02mm	**818-1152**
0-200mm	.02mm	**818-1202**
0-150mm	.05mm	**818-1155**
0-200mm	.05mm	**818-1205**

Mono-Block with Auto Clamp, Large Size Handle

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
0-150mm/6"	.02mm/.001"	**818-0151**
0-200mm/8"	.02mm/.001"	**818-0201**
0-150mm/6"	.05mm/1/128"	**818-0158**
0-200mm/8"	.05mm/1/128"	**818-0208**

Range	Graduations	Order No.
0-150mm	.02mm	**818-0152**
0-200mm	.02mm	**818-0202**
0-150mm	.05mm	**818-0155**
0-200mm	.05mm	**818-0205**

Mono-Block, Self-locking, Black Small Handle

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
150mm/6"	0.02mm/0.001"	**818-2151**
150mm/6"	0.05mm/1/128"	**818-2158**

Range	Graduations	Order No.
150mm	0.02mm	**818-2152**
150mm	0.05mm	**818-2155**

Mono-Block, Self-locking with Small Lock Handle & Round Depth Bar

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Order No.
150mm/6"	0.02mm/0.001"	**818-3151**
150mm/6"	0.05mm/1/128"	**818-3158**

Range	Graduations	Order No.
150mm	0.02mm	**818-3152**
150mm	0.05mm	**818-3155**

Mono-Block, No parallax Error

Range	Graduations	Order No.
0-150mm/6"	.02mm/.001"	**815-1905**
0-150mm/6"	.05mm/1/128"	**815-1908**

Range	Graduations	Order No.
0-150mm	.02mm	**815-1901**
0-150mm	.05mm	**815-1902**

Parallax Free Caliper

Basic Model

- 4 way measurement.
- Made of stainless steel.

Range	Graduations	Auto Clamp Order No.
0-150mm/6"	.02mm/.001"	**815-1601**
0-150mm/6"	.05mm/1/128"	**815-1608**

Range	Graduations	Auto Clamp Order No.
0-150mm	.02mm	**815-1602**
0-150mm	.05mm	**815-1605**

Range	Graduations	Screw Lock Order No.
0-150mm/6"	.02mm/.001"	**815-1501**
0-150mm/6"	.05mm/1/128"	**815-1508**

Range	Graduations	Screw Lock Order No.
0-150mm	.02mm	**815-1502**
0-150mm	.05mm	**815-1505**

Mono-Block Type

Range	Graduations	Screw Lock Order No.
0-150mm/6"	.02mm/.001"	**815-1701**
0-150mm/6"	.05mm/1/128"	**815-1708**

Range	Graduations	Screw Lock Order No.
0-150mm	.02mm	**815-1702**
0-150mm	.05mm	**815-1705**

Mono-Block & Double Prism Type

Range	Graduations	Screw Lock Order No.
0-150mm/6"	.02mm/.001"	**815-1801**
0-150mm/6"	.05mm/1/128"	**815-1808**

Range	Graduations	Screw Lock Order No.
0-150mm	.02mm	**815-1802**
0-150mm	.05mm	**815-1805**

Disc Brake Vernier Calipers

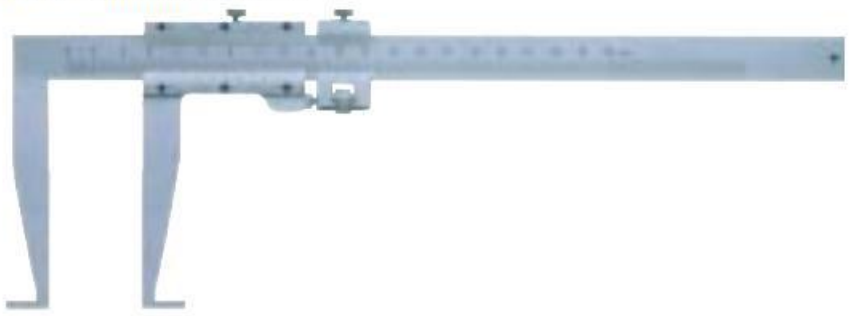
- Fine adjustment.
- Made of stainless steel.



Range	Graduations	Length of Jaws	Order No.
0-60mm	.1mm	55mm	**610-5501**
0-60mm	.1mm	80mm	**610-5502**
0-90mm	.1mm	120mm	**610-5503**

Inside Groove Vernier Calipers

- Prolongation jaws.
- Fine adjustment.
- Made of stainless steel.

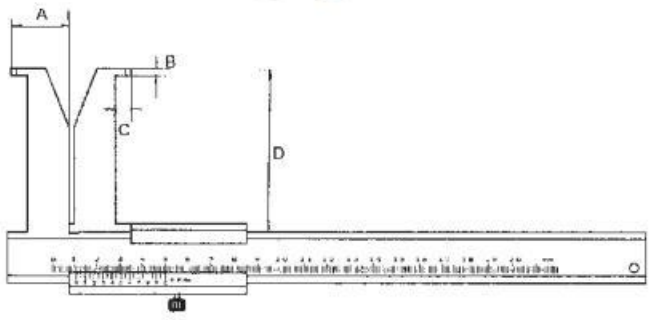


Range	Graduations	Size of Jaw	Order No.
40-340mm/0-300mm	0.02mm	95x40mm	**610-6302**
60-560mm/0-500mm	0.02mm	150x60mm	**610-6502**
40-340mm/0-300mm	0.05mm	95x40mm	**610-6305**
60-560mm/0-500mm	0.05mm	150x60mm	**610-6505**

Inside Groove Vernier Calipers

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





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

Anvil Vernier Calipers

Used for measurements of 3 or 5 flute cutting heads.



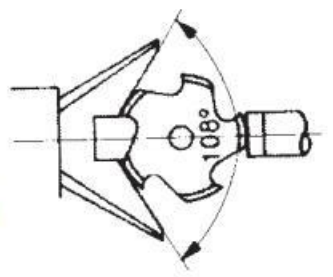
60° for three flute cutters

60° Type

Range	Graduations	Order No.
5-40mm	.05mm	**102-2040**
20-75mm	.05mm	**102-2075**



108° for five flute cutters



108° Type

Range	Graduations	Order No.
1-40mm	.05mm	**102-2140**
2-40mm	.05mm	**102-2412**

Spline Gages

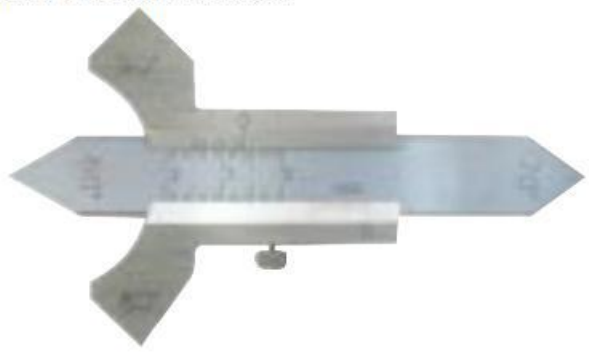
- Made of stainless steel.



Range	Graduations	Order 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**

Welding Seam Gage

- Made of stainless steel.



Specification	Graduations	Order No.
60° , 70° , 80° and 90°	0.1mm	**102-5500**

Specialty Vernier Calipers

T- Type Marking Vernier Calipers



Range	Graduation	Order No.
0-150mm	.05mm	**102-3150**
0-250mm	.05mm	**102-3250**
0-300mm	.05mm	**102-3300**
0-400mm	.05mm	**102-3400**
0-500mm	.05mm	**102-3500**

Steel Marking Gages

- Double needles
- Made of Stainless Steel



Range	Graduation	Order No.
500mm	0.1mm	**102-9020**
1000mm	0.1mm	**102-9040**

Center Distance Calipers



Range	Graduation	Stanless Steel Order No.	CarbonSteel Order No.
300mm	0.1mm	**102-9001**	**102-9011**
500mm	0.1mm	**102-9002**	**102-9012**
100mm	0.1mm	**102-9003**	**102-9013**
1500mm	0.1mm	**102-9004**	**102-9014**
2000mm	0.1mm	**102-9005**	**102-9015**
3000mm	0.1mm	**102-9006**	**102-9016**

Range	Graduation	Stanless Steel Order No.	CarbonSteel Order No.
300mm/12"	0.1mm/1/128"	**102-9021**	**102-9031**
500mm/20"	0.1mm/1/128"	**102-9022**	**102-9032**
100mm/40"	0.1mm/1/128"	**102-9023**	**102-9033**
1500mm/60"	0.1mm/1/128"	**102-9024**	**102-9034**
2000mm/80"	0.1mm/1/128"	**102-9025**	**102-9035**
3000mm/120"	0.1mm/1/128"	**102-9026**	**102-9036**

Steel Marking Gages

- Round rod.
- Fine adjustment.



Range	Graduation	Order No.
200mm	0.1mm	**102-8200**
300mm	0.1mm	**102-8300**
400mm	0.1mm	**102-8400**
500mm	0.1mm	**102-8500**

Marking Vernier Calipers



Range	Graduation	Order No.
0-200mm	.05mm	**102-4200**
0-200mm	.1mm	**102-4201**
0-200mm/8"	.1mm/1/128"	**102-4202**
0-400mm	.1mm	**102-4400**
0-400mm/16"	.1mm/1/128"	**102-4402**

Steel Marking Gages

- Round rod.



Range	Graduation	Order No.
200mm	0.1mm	**102-7200**
300mm	0.1mm	**102-7300**
400mm	0.1mm	**102-7400**
500mm	0.1mm	**102-7500**

Steel Marking Gages

- Flat pattern.
- Hardened lay-out edge.
- Satin chrome finish.



Range	Graduation	Order No.
200mm	0.1mm	**102-5200**
250mm	0.1mm	**102-5250**
300mm	0.1mm	**102-5300**
8"	0.005"	**102-5008**
10"	0.005"	**102-5010**
12"	0.005"	**102-5012**



Range	Order No.
8"/200mm	**102-5108**
12"/300mm	**102-5112**

Steel Marking Compasses



Range	Graduation	Order No.
150mm	0.1mm	**102-6150**
200mm	0.1mm	**102-6200**
250mm	0.1mm	**102-6250**
300mm	0.1mm	**102-6300**



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 0.001".
- Longer jaws permit greater accessibility and simpler measurement of larger work pieces.
- With fine adjustment.

Range	Jaw Length	Graduation	Carbon Steel Order No.	Stainless Steel Order No.
0-12"	3"	.001"	**611-5212**	**611-5112**
0-18"	4"	.001"	**611-5218**	**611-5118**
0-20"	4"	.001"	**611-5220**	**611-5120**
0-24"	4"	.001"	**611-5224**	**611-5124**
0-40"	5"	.001"	**611-5240**	**611-5140**
0-60"	7"	.001"	**611-5260**	**611-5160**
0-80"	7"	.001"	**611-5280**	

Range	Jaw Length	Vernier Scale Lower	Vernier Scale Upper	Carbon Steel Order No.	Stainless Steel Order No.
0-12"	3"	.02mm	.001"	**611-5812**	**611-5712**
0-18"	4"	.02mm	.001"	**611-5818**	**611-5718**
0-20"	4"	.02mm	.001"	**611-5820**	**611-5720**
0-24"	4"	.02mm	.001"	**611-5824**	**611-5724**
0-40"	5"	.02mm	.001"	**611-5840**	**611-5740**
0-60"	8"	.02mm	.001"	**611-5860**	**611-5760***
0-80"	8"	.02mm	.001"	**611-5880**	**611-5780***

* 7" Jaw Length

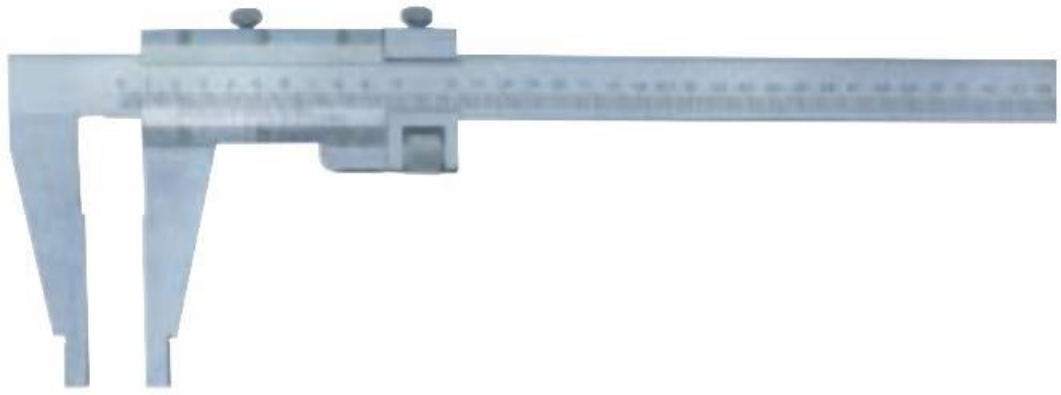
Range	Jaw Length	Vernier Scale Lower	Vernier Scale Upper	Carbon Steel Order No.	Stainless Steel Order No.
0-12"	3"	.001"	.02mm	**611-5612**	**611-5512**
0-18"	4"	.001"	.02mm	**611-5618**	**611-5518**
0-20"	4"	.001"	.02mm	**611-5620**	**611-5520**
0-24"	4"	.001"	.02mm	**611-5624**	**611-5524**
0-40"	5"	.001"	.02mm	**611-5640**	**611-5540**
0-40"	6-1/2"	.001"	.02mm	**611-5641**	**611-5541**
0-60"	8"	.001"	.02mm	**611-5660**	**611-5560**
0-80"	8"	.001"	.02mm	**611-5680**	**611-5580**

Range	Jaw Length	Graduation	Carbon Steel Order No.	Stainless Steel Order No.
0-300mm	75mm	.02mm	**611-5305**	**611-5405**
0-450mm	100mm	.02mm	**611-5310**	**611-5410**
0-500mm	100mm	.02mm	**611-5315**	**611-5415**
0-600mm	100mm	.02mm	**611-5320**	**611-5420**
0-1000mm	125mm	.02mm	**611-5325**	**611-5425**
0-1500mm	200mm	.02mm	**611-5330**	**611-5430**
0-2000mm	200mm	.02mm	**611-5335**	

Range	Jaw Length	Graduation	Carbon Steel Order No.	Stainless Steel Order No.
0-300mm	75mm	.05mm	**611-5306**	**611-5406**
0-450mm	100mm	.05mm	**611-5311**	**611-5411**
0-500mm	100mm	.05mm	**611-5316**	**611-5416**
0-600mm	100mm	.05mm	**611-5321**	**611-5421**
0-1000mm	125mm	.05mm	**611-5326**	**611-5426**
0-1500mm	200mm	.05mm	**611-5331**	**611-5431**
0-2000mm	200mm	.05mm	**611-5336**	**611-5436**

Heavy Duty Vernier Calipers

Long Jaws



- Long 50-division vernier scales have wide spread easy to read, clear engraved crisp black graduations in 0.001".
- Longer jaws permit greater accessibility and simpler measurement of larger work pieces.
- With fine adjustment.
- Made of stainless steel.

Range	Jaw Length	Graduation	Order No.
0-12"	3.5"	.001"	**611-5012**
0-20"	7.8"	.001"	**611-5020**
0-30"	7.8"	.001"	**611-5030**
0-40"	7.8"	.001"	**611-5040**

Range	Jaw Length	Graduation	Order No.
0-300mm/12"	3.5"	.001"	**611-6012**
0-500mm/20"	7.8"	.001"	**611-6020**
0-750mm/30"	7.8"	.001"	**611-6030**
0-1000mm/40"	7.8"	.001"	**611-6040**

Heavy Duty Vernier Calipers

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



Range	Grad.	Carbon Steel Order No.	Stainless Steel Order No.
0-450mm	.02mm	**611-0204**	**611-1204**
0-500mm	.02mm	**611-0205**	**611-1205**
0-600mm	.02mm	**611-0206**	**611-1206**
0-1000mm	.02mm	**611-0210**	**611-1210**

Range	Grad.	Carbon Steel Order No.	Stainless Steel Order No.
0-450mm	.05mm	**611-0504**	**611-1504**
0-500mm	.05mm	**611-0505**	**611-1505**
0-600mm	.05mm	**611-0506**	**611-1506**
0-1000mm	.05mm	**611-0510**	**611-1510**

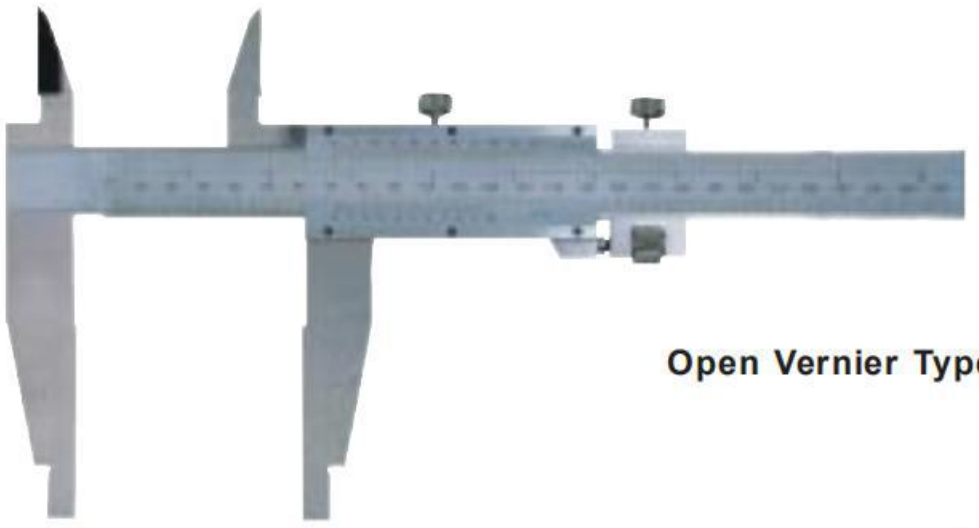
Range	Vernier Scale Lower	Vernier Scale Upper	Carbon Steel Order No.	Stainless Steel Order No.
0-450mm/18"	.02mm	001"	**611-0218**	**611-1218**
0-500mm/20"	.02mm	001"	**611-0220**	**611-1220**
0-600mm/24"	.02mm	001"	**611-0224**	**611-1224**
0-800mm/32"	.02mm	001"	**611-0232**	**611-1232**
0-1000mm/40"	.02mm	001"	**611-0240**	**611-1240**

Range	Vernier Scale Lower	Vernier Scale Upper	Carbon Steel Order No.	Stainless Steel Order No.
0-450mm/18"	.05mm	1/128"	**611-0518**	**611-1518**
0-500mm/20"	.05mm	1/128"	**611-0520**	**611-1520**
0-600mm/24"	.05mm	1/128"	**611-0524**	**611-1524**
0-800mm/32"	.05mm	1/128"	**611-0532**	**611-1532**
0-1000mm/40"	.05mm	1/128"	**611-0540**	**611-1540**

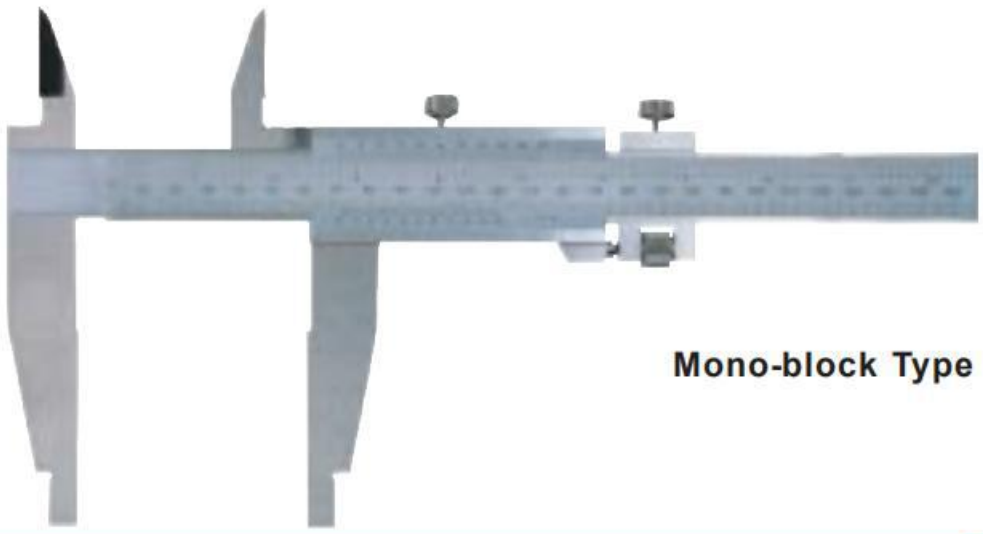
Heavy Duty Vernier Calipers

With Internal Upper Jaws

- Made of stainless steel
- With fine adjustment.
- Open veriner type and mono-block vernier type for choice.



Open Vernier Type



Mono-block Type

Range	Jaw Length	Grad.	Open Vernier Order No.	Mono-block Order No.
0-400mm	100mm	.05mm	**610-0165**	**610-2165**
0-450mm	100mm	.05mm	**610-0185**	**610-2185**
0-500mm	100mm	.05mm	**610-0205**	**610-2205**
0-500mm	150mm	.05mm	**610-0206**	**610-2206**
0-600mm	100mm	.05mm	**610-0245**	**610-2245**
0-600mm	150mm	.05mm	**610-0246**	**610-2246**
0-750mm	150mm	.05mm	**610-0305**	**610-2305**
0-1000mm	150mm	.05mm	**610-0405**	**610-2405**
0-1500mm	200mm	.05mm	**610-0605**	**610-2605**
0-2000mm	200mm	.05mm	**610-0805**	**610-2805**

Range	Jaw Length	Grad.	Open Vernier Order No.	Mono-block Order No.
0-400mm	100mm	.02mm	**610-0162**	**610-2162**
0-450mm	100mm	.02mm	**610-0182**	**610-2182**
0-500mm	100mm	.02mm	**610-0202**	**610-2202**
0-500mm	150mm	.02mm	**610-0203**	**610-2203**
0-600mm	100mm	.02mm	**610-0242**	**610-2242**
0-600mm	150mm	.02mm	**610-0243**	**610-2243**
0-750mm	150mm	.02mm	**610-0302**	**610-2302**
0-1000mm	150mm	.02mm	**610-0402**	**610-2402**
0-1500mm	200mm	.02mm	**610-0602**	**610-2602**
0-2000mm	200mm	.02mm	**610-0802**	**610-2802**

Range	Jaw Length	Vernier Scale Lower	Vernier Scale Upper	Open Vernier Order No.	Mono-block Order No.
0-400mm/16"	100mm	.02mm	001"	**610-1162**	**610-3162**
0-450mm/18"	100mm	.02mm	001"	**610-1182**	**610-3182**
0-500mm/20"	100mm	.02mm	001"	**610-1202**	**610-3202**
0-500mm/20"	150mm	.02mm	001"	**610-1203**	**610-3203**
0-600mm/24"	100mm	.02mm	001"	**610-1242**	**610-3242**
0-600mm/24"	150mm	.02mm	001"	**610-1243**	**610-3243**
0-750mm/30"	150mm	.02mm	001"	**610-1302**	**610-3302**
0-1000mm/40"	150mm	.02mm	001"	**610-1402**	**610-3402**
0-1500mm/60"	200mm	.02mm	001"	**610-1602**	**610-3602**
0-2000mm/80"	200mm	.02mm	001"	**610-1802**	**610-3802**

Range	Jaw Length	Vernier Scale Lower	Vernier Scale Upper	Open Vernier Order No.	Mono-block Order No.
0-400mm/16"	100mm	.05mm	1/128"	**610-1165**	**610-3165**
0-450mm/18"	100mm	.05mm	1/128"	**610-1185**	**610-3185**
0-500mm/20"	100mm	.05mm	1/128"	**610-1205**	**610-3205**
0-500mm/20"	150mm	.05mm	1/128"	**610-1206**	**610-3206**
0-600mm/24"	100mm	.05mm	1/128"	**610-1245**	**610-3245**
0-600mm/24"	150mm	.05mm	1/128"	**610-1246**	**610-3246**
0-750mm/30"	150mm	.05mm	1/128"	**610-1305**	**610-3305**
0-1000mm/40"	150mm	.05mm	1/128"	**610-1405**	**610-3405**
0-1500mm/60"	200mm	.05mm	1/128"	**610-1605**	**610-3605**
0-2000mm/80"	200mm	.05mm	1/128"	**610-1805**	**610-3805**

Precision Dial Calipers

- Stainless steel with satin chrome finish.
- Outside, inside and depth measurements.
- Supplied in plastic case.
- With thumb roll.
- 12"~40" without Upper Jaw





Inch ,Stainless Steel, Dial 0-100

Range	Grad.	Range Per/Rev.	Black Face Order No.	White Face Order No.
0-4"	.001"	0.1"	**10B-S004**	**10W-S004**
0-6	.001	0.1	**10B-S006**	**10W-S006**
0-8	.001	0.1	**10B-S008**	**10W-S008**
0-12	.001	0.1	**10B-S012**	**10W-S012**

Inch ,Stainless Steel, Dial 0-100-0

Range	Grad.	Range Per/Rev.	Black Face Order No.	White Face Order No.
0-4"	.001"	0.2"	**20B-S004**	**20W-S004**
0-6	.001	0.2	**20B-S006**	**20W-S006**
0-8	.001	0.2	**20B-S008**	**20W-S008**
0-12	.001	0.2	**20B-S012**	**20W-S012**

Inch ,Carbon Steel, Dial 0-100

Range	Grad.	Range Per/Rev.	Black Face Order No.	White Face Order No.
0-4"	.001"	0.1"	**10B-C004**	**10W-C004**
0-6	.001	0.1	**10B-C006**	**10W-C006**
0-8	.001	0.1	**10B-C008**	**10W-C008**
0-12	.001	0.1	**10B-C012**	**10W-C012**

Inch ,Carbon Steel, Dial 0-100-0

Range	Grad.	Range Per/Rev.	Black Face Order No.	White Face Order No.
0-4"	.001"	0.2"	**20B-C004**	**20W-C004**
0-6	.001	0.2	**20B-C006**	**20W-C006**
0-8	.001	0.2	**20B-C008**	**20W-C008**
0-12	.001	0.2	**20B-C012**	**20W-C012**

Metric ,Stainless Steel, Dial 0-100

Range	Grad.	Range Per/Rev.	White Face Order No.	Black Face Order No.	Grad.	Range Per/Rev.	White Face Order No.	Black Face Order No.	Grad.	Range Per/Rev.	White Face Order No.	Black Face Order No.
0-100mm	.01mm	1mm	**20W-S110**	**20B-S110**	.02mm	2mm	**20W-S210**	**20B-S210**	.05mm	5mm	**20W-S510**	**20B-S510**
0-150mm	.01mm	1mm	**20W-S115**	**20B-S115**	.02mm	2mm	**20W-S215**	**20B-S215**	.05mm	5mm	**20W-S515**	**20B-S515**
0-200mm	.01mm	1mm	**20W-S120**	**20B-S120**	.02mm	2mm	**20W-S220**	**20B-S220**	.05mm	5mm	**20W-S520**	**20B-S520**
0-300mm	.01mm	1mm	**20W-S130**	**20B-S130**	.02mm	2mm	**20W-S230**	**20B-S230**	.05mm	5mm	**20W-S530**	**20B-S530**

Metric, Carbon Steel, Dial 0-100

Range	Grad.	Range Per/Rev.	White Face Orderl No.	Black Face Order No.	Grad.	Range Per/Rev.	White Face Order No.	Black Face Order No.	Grad.	Range Per/Rev.	White Face Order No.	Black Face Order No.
0-100mm	.01mm	1mm	**20W-C110**	**20B-C110**	.02mm	2mm	**20W-C210**	**20B-C210**	.05mm	5mm	**20W-C510**	**20B-C510**
0-150mm	.01mm	1mm	**20W-C115**	**20B-C115**	.02mm	2mm	**20W-C215**	**20B-C215**	.05mm	5mm	**20W-C515**	**20B-C515**
0-200mm	.01mm	1mm	**20W-C120**	**20B-C120**	.02mm	2mm	**20W-C220**	**20B-C220**	.05mm	5mm	**20W-C520**	**20B-C520**
0-300mm	.01mm	1mm	**20W-C130**	**20B-C130**	.02mm	2mm	**20W-C230**	**20B-C230**	.05mm	5mm	**20W-C530**	**20B-C530**

Heavy Duty Dial Calipers

Long Jaws

- Stainless Steel,Large dial steel with fine adjustment,double scale
- without Upper Jaw



Range	Grad.	Inside Range	Jaw Length	Order No.
0-450mm	0.02mm	20-450mm	100mm	**102-0845**
0-500mm	0.02mm	20-450mm	100mm	**102-0850**
0-600mm	0.02mm	20-450mm	100mm	**102-0860**
0-1000mm	0.02mm	20-1000mm	120mm	**102-0890**
0-12"	0.01"	0.4-12"	4"	**10W-S013**
0-18"	0.01"	0.5-18"	4"	**10W-S018**
0-20"	0.01"	0.5-20"	4"	**10W-S020**
0-24"	0.01"	0.5-24"	4"	**10W-S024**
0-40"	0.01"	0.8-40"	5"	**10W-S040**

"Swiss Style" Dial Calipers

- 4 way measurement.
- One revolution reading, dial 0-100.
- Made of stainless steel .



Range	Grad.	Range Per/Rev.	White Face Order No.	Black Face Order No.
0-6"	.001"	0.1"	**102-0006**	**102-1006**
0-8	.001	0.1	**102-0008**	**102-1008**
0-12	.001	0.1	**102-0012**	**102-1012**

Range	Grad.	Range Per/Rev.	Order No.	Grad.	Range Per/Rev.	Order No.
0-150mm	.01mm	1mm	**102-0115**	.02mm	2mm	**102-0215**
0-200mm	.01mm	1mm	**102-0120**	.02mm	2mm	**102-0220**
0-300mm	.01mm	1mm	**102-0130**	.02mm	2mm	**102-0230**

Dial Caliper

Stainless steel, Colour Face



Range	Grad.	Range Per/Rev.	Dial Face Color	Order No.
0-6"	.001"	0.1"	Red	**102-1026**
0-6"	.001	0.1	Yellow	**102-1036**
0-6"	.001	0.1	Green	**102-1046**

Inch & Metric Dial Calipers

- Outside/inside and depth measurements.
- Hardered stainless steel finish.
- Dial 0-100.



Range	Graduation	Range Per/Rev.	Order No.
0-6"/0-150mm	.001"/.02mm	0.1"/2mm	**10W-1506**
0-8"/0-200mm	.001"/.02mm	0.1"/2mm	**10W-2008**
0-12"/0-300mm	.001"/.02mm	0.1"/2mm	**10W-3012**

TiN-Coated Dial Caliper

- Stainless steel
- White face
- Dial 0-100



Range	Graduation	Order No.
0-6"	0.001"	**10W-S007**

Plastic Body Dial Calipers

NEW



108-0151

Range	Graduation	Face	Order No.
100mm	0.1mm	white	**108-0100**
150mm	0.1mm	white	**108-0151**
4"	0.005"	white	**108-0400**

Two Direction Shock Proof Dial Calipers

- Two direction shock proof system ensure stable and easy reading.
- Hardened and polished measuring faces. Dial 0-100.
- Made of Stainless Steel.



Range	Graduation	Order No.	Graduation	Order No.
0-150 mm	0.01mm	**102-0501**	0.02mm	**102-0511**
0-200 mm	0.01mm	**102-0502**	0.02mm	**102-0512**
0-300 mm	0.01mm	**102-0503**	0.02mm	**102-0513**

Range	Grad.	Face	Order No.	Face	Order No.	Cover	Order No.
0-6"	0.001"	Black	**102-0505**	White	**102-0506**	Metal	**102-0507**

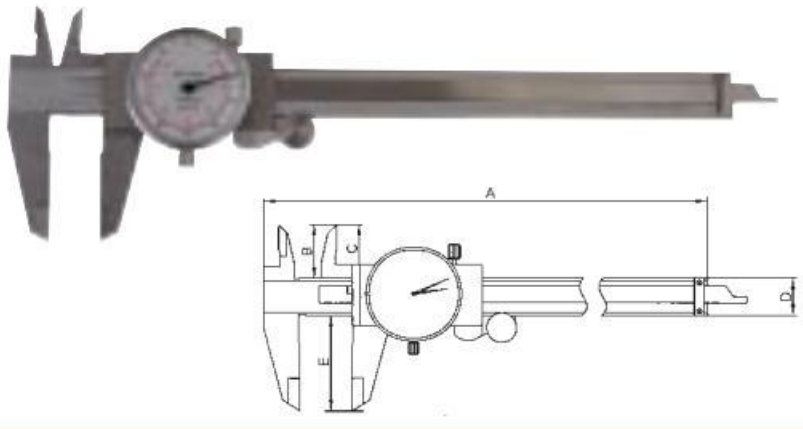
E-Z Reading Dial Calipers

White face, Dual Reading

This type of dial caliper have two pointers in the dial. One pointers indicate integer fraction, ones indicate decimal fraction. What advantage is that user can get readings directly from the dial, more clear and more easy.

NEW

- Made of stainless hardened throughout.
- Resolutions: 0.001".
- Direct reading from a dial.
- All measuring face is hardened and finished.
- Adjustable bezel, easy to zeroset.
- For measuring to ID, OD, Depth and Step.
- With case.



Range	Grad.	Accuracy	Dimensions(mm) A	B	C	D	E	Order No.
0-6"	0.001"	0.001"	236	21	16.5	16	40	**102-1406**
0-8"	0.001"	0.002"	290	24.5	20	16	50	**102-1408**
0-12"	0.001"	0.002"	403	27.5	22	20	64	**102-1412**

Electronic Digital Caliper

NEW

- Lardge and clear LCD readout.
- Power on/off
- Zero-setting at any position.
- Units conversion
- Absolute and incremental mensurement mode switching.
- Data output.



Range	Graduation	Order No.
0-150mm/6"	0.01/0.0005"	**101-0136**
0-200mm/8"	0.01/0.0005"	**101-0138**
0-300mm/12"	0.01/0.0005"	**101-0140**

Splash Proof Digital Calipers

IP54

- It can work when cleaning the splashed water on it.
- With ON/OFF button and data out put interface.
- Zero setting at any position. Metric/Inch system conversion at any position.



2 Key Type

Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-5801**
0-200mm/8"	0.01mm/0.0005"	**101-5802**
0-300mm/12"	0.01mm/0.0005"	**101-5803**



3 Key Type

Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-5804**
0-200mm/8"	0.01mm/0.0005"	**101-5805**
0-300mm/12"	0.01mm/0.0005"	**101-5806**

Water Proof Electronic Digital Calipers

- Fully protected against the penetration of liquids and antimagnetic
- IP67 Prevent dust, spraying water or oil from entering the caliper through effective encapsulation of the main parts
- Auto Power off
- Zero setting at any position
- Inch/mm conversion at any position
- Four-way measurement



IP65 & IP67

Range	Graduation	IP65 Order No.	IP67 Order No.
0-150mm/6"	0.01mm/0.0005"	**101-5810**	**101-5904**
0-200mm/8"	0.01mm/0.0005"	**101-5811**	**101-5905**
0-300mm/12"	0.01mm/0.0005"		**101-5906**

Water Proof Electronic Caliper

- One of the toughest calipers available
- Use it anywhere in the shop without worry
- Large LCD display
- IP67 level: protection against coolants, dirt, chips and temporary water submersion



IP67, Water Proof

Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-5910**
0-200mm/8"	0.01mm/0.0005"	**101-5911**
0-300mm/12"	0.01mm/0.0005"	**101-5912**

Water Proof Ele. Digital Caliper

IP65, Water Proof

- Conform to IP65 leveland can be used in cutting liquid conditions.

NEW



Range	Graduation	Order No.
0-150mm/6"	0.01/0.0005"	**101-5812**

3 Key Metal Casing Digital Calipers

- With manual ON/OFF
- Metric/inch system conversion at any position
- Zero setting at any position

Type



Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0114**

Type v



Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0117**

Digital Calipers

- Maximum measurement speed: 1.5mm/s 60in/s
- Operating temperature: 0~40°C.
- Power: 3V CR2025(silver oxide cell) 1 battery
- in/mm,ON/OFF, ZERO

NEW



Black/White LCD

Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0104**
0-200mm/8"	0.01mm/0.0005"	**101-0105**
0-300mm/12"	0.01mm/0.0005"	**101-0106**

- in/mm,ON/OFF, ZERO, ABS



Yellow LCD

Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0107**
0-200mm/8"	0.01mm/0.0005"	**101-0108**
0-300mm/12"	0.01mm/0.0005"	**101-0109**

Electronic Digital Calipers

Metal-housing, 3 Key Type

- With manual ON/OFF
- Metric/inch system conversion at any position
- Zero setting at any position



Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0155**
0-200mm/8"	0.01mm/0.0005"	**101-0255**
0-300mm/12"	0.01mm/0.0005"	**101-0355**



Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0156**
0-200mm/8"	0.01mm/0.0005"	**101-0158**
0-300mm/12"	0.01mm/0.0005"	**101-0159**

Left Hand Digital Calipers

- Extra large LCD



Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-3536**

TiN-Coated Digital caliper

- Stainless steel
- 3 key



Range	Graduation	Order No.
0-6"/150mm	0.0005/0.01mm	**102-0541**

3 Key Digital Caliper

- Manual power off, no auto off
- Super large LCD, function 1, CR2032 3V battery
- Zero setting at any position



Range	Graduation	Order No.
0-150mm/6"	0.01mm/0.0005"	**101-0121**

Fractional Digital Caliper

3- key

Technical specifications
- Error of indication(mm): 0.03
- Power Supply: one zinc-silver button cell, SR44, 1.55V
- Measuring speed: ⩽ 1.5m/s
- Working temperature: 0~+45℃
- Relative humidity: <80%
- Storage temperature: -10℃~+60℃

Functions:
- ON/OFF function
- ZERO setting at any position for differential measurement.
- inch/mm/in frac interchange
- Data can be input to special printer for processing and print via special cable.
- It can test low voltage. It flashes in low voltage.
- It functions “Auto OFF”. “Auto OFF” means the power is off when the slider is not moved for 4 minutes at power-on mode.



101-1021



101-1022

Range	Graduation	Frac Grad.	Order No.
0-150mm/6”	0.001mm/0.00005”	1/128”	**101-1021**
0-100mm/4”	0.001mm/0.00005”	1-64”	**101-1030**
0-150mm/6”	0.001mm/0.00005”	1/64”	**101-1031**
0-200mm/8”	0.001mm/0.00005”	1/64”	**101-1032**
0-150mm/6”	0.001mm/0.00005”	1/128”Metal Housing	**101-1022**

Fractional Digital Caliper

3 Keys, Yellow LCD

- Maximum measurement speed: 3m/s 120in/s
- Operating temperature: 0~40°C.
- Power: 3V CR2025(Lithium ion cell) 1 battery
- in/mm/FRAC,ON/OFF, ZERO

NEW



Range	Graduation	Frac Grad.	Order No.
0-150mm/6”	0.01mm/0.0005”	1/128”	**101-1006**
0-200mm/8”	0.01mm/0.0005”	1/128”	**101-1008**
0-300mm/12”	0.01mm/0.0005”	1/128”	**101-1012**

Stainless Steel Pocket Caliper



Specification	Order No.
3"x32nds & 16ths	**403-4003**
4"x32nds & 16ths	**403-4004**

Solar Digital Caliper

Solar power

Solar Calipers eliminate the problem of battery replacement/disposal and the interent costs.

- Switchable inch/metric .0005”/0.01mm LCD display for easy reading
- Hardened stainless steel throughout for longer life and corrosion resistance
- The thumb roll provides a consistent “feel” for more accurate measurements
- OD, ID, step and depth measurements
- The epoxy embedded scale eliminates rack and pinion jams



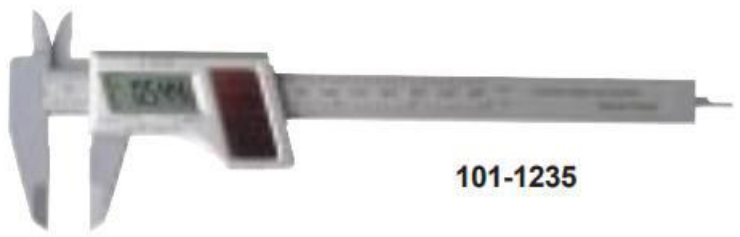
Range	Graduation	Order No.
0-150mm/6”	0.01mm/0.0005”	**101-1231**

Solar Digital Calipers



NEW

101-1233

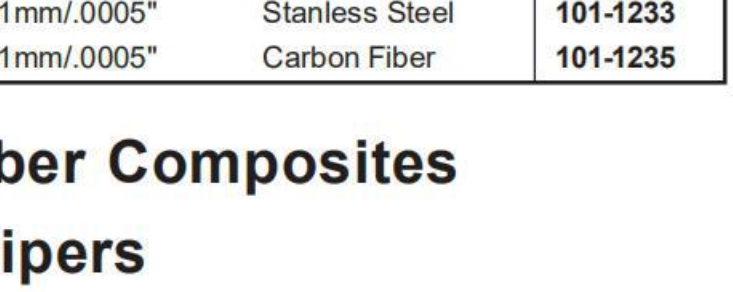


101-1235

Range	Grad.	Material	Order No.
150mm/6"	.01mm/.0005"	Stanless Steel	**101-1233**
150mm/6"	.01mm/.0005"	Carbon Fiber	**101-1235**

Carbon Fiber Composites Digital Calipers

- Made of extra strong carbon fiber composites
- Big LCD display for easy reading
- Functions: Zero setting at any position; metric/ inch system conversion at any position & ON; manual OFF or auto power off
- One 1.55V SR44 Battery
- Low voltage warning by flashing display



Black Frame

Range	Graduation	Accuracy	Order No.
0-100mm/4"	0.1mm/0.1"	0.2mm/0.1"	**101-0141**



Black Frame

Range	Graduation	Accuracy	Order No.
0-150mm/6"	0.1mm/0.1"	0.2mm/0.1"	**101-0144**

3 Key Digital Calipers

- Large LCD
- Inch/mm conversion (.01mm/.0005”).
- Zero setting at any position.
- Three-key type : on/off Key, Inch/mm Key, Zero Key.
- SPC out put.



Range	Jaw Length	Open vernier Order No.	Close Vernier Order No.
100mm/4”	30mm	**101-3504**	**101-3604**
150mm/6”	40mm	**101-3506**	**101-3606**
200mm/8”	50mm	**101-3508**	**101-3608**
300mm/12”	60mm	**101-3512**	**101-3612**

- Extra Large LCD
- Auto Lock Model



Range	Graduation	Roller Order No.	Auto Lock Order No.
150mm	.01mm/.0005”	**101-3526**	**101-3546**
200mm	.01mm/.0005”	**101-3528**	**101-3548**
300mm	.01mm/.0005”	**101-3532**	**101-3552**

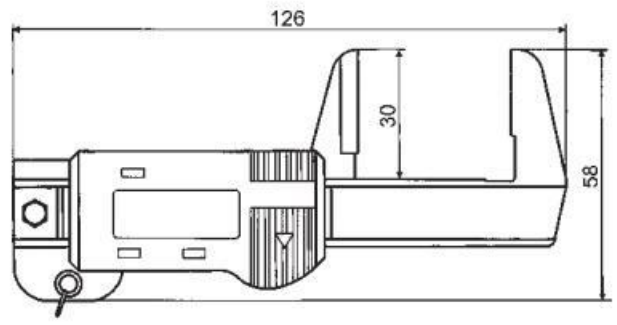
Digital Snap Calipers

Single Wide Measuring Face

NEW

- Ligh tweight.
- Easy to operate.
- High efficiency.
- Usually to measure dimensions of small workpieces.
- Power on/off.
- Inch/mm conversion at any position.
- Zero-setting at any position. Data output.





Range	Graduation	Accuracy	Order No.
0-12”/30mm	.0005”/.001mm	0.03mm	**101-5602**

Digital Calipers

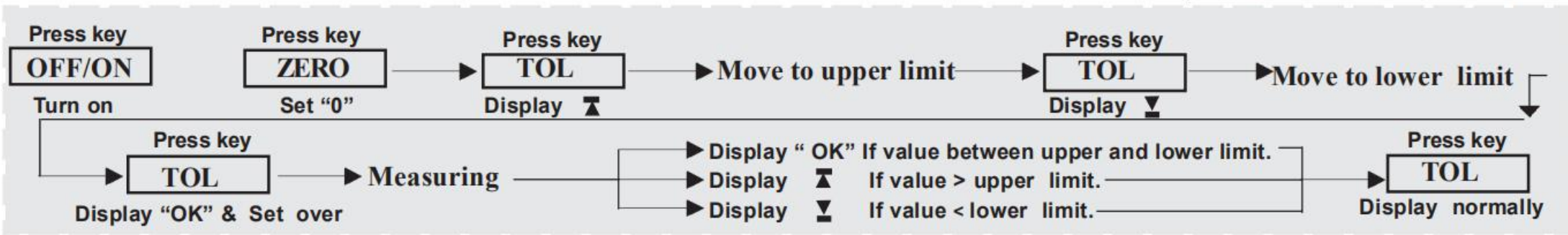
4 Key Digital Calipers

- Four-key type : TOL- key, on/off Key, Inch/mm Key, Zero Key.
- Enter high/low dimensional limits-out of limits ▲ & ▼ will flash on display.
- Same features as Basic Model.



TOL-Key Type

Range	Jaw Length	Order No.
150mm/6"	40mm	**101-4506**
200mm/8"	50mm	**101-4508**
300mm/12"	60mm	**101-4512**

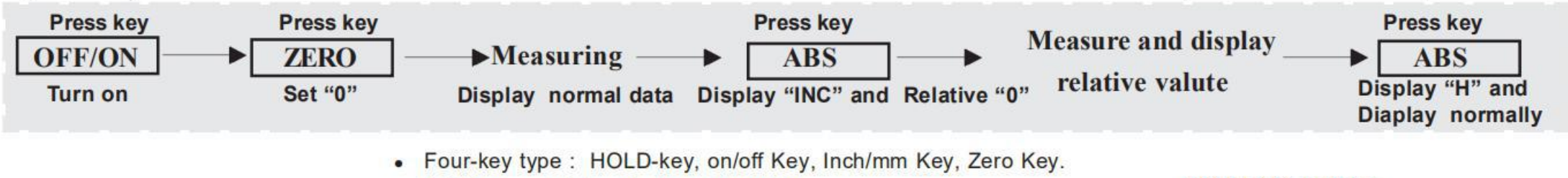


- Four-key type : ABS-key, on/off Key, Inch/mm Key, Zero Key.
- Absolute button allow return to the absolute.
- Same features as Basic Model.

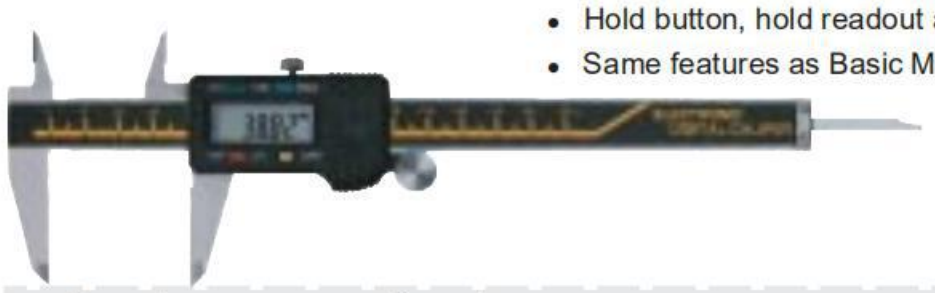


ABS-Key Type

Range	Jaw Length	Order No.
150mm/6"	40mm	**101-4706**
200mm/8"	50mm	**101-4708**
300mm/12"	60mm	**101-4712**

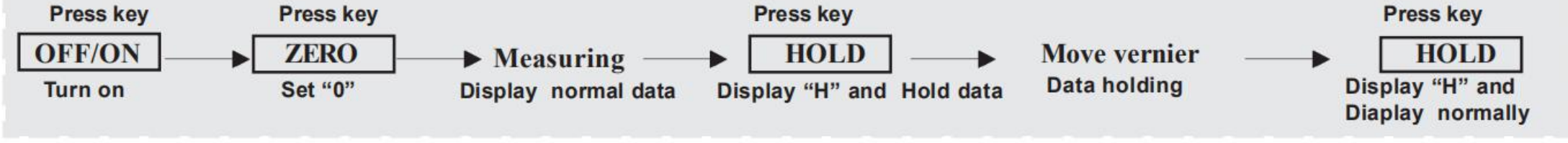


- Four-key type : HOLD-key, on/off Key, Inch/mm Key, Zero Key.
- Hold button, hold readout at any position.
- Same features as Basic Model.



HOLD-Key Type

Range	Jaw Length	Order No.
150mm/6"	40mm	**101-4806**
200mm/8"	50mm	**101-4808**
300mm/12"	60mm	**101-4812**

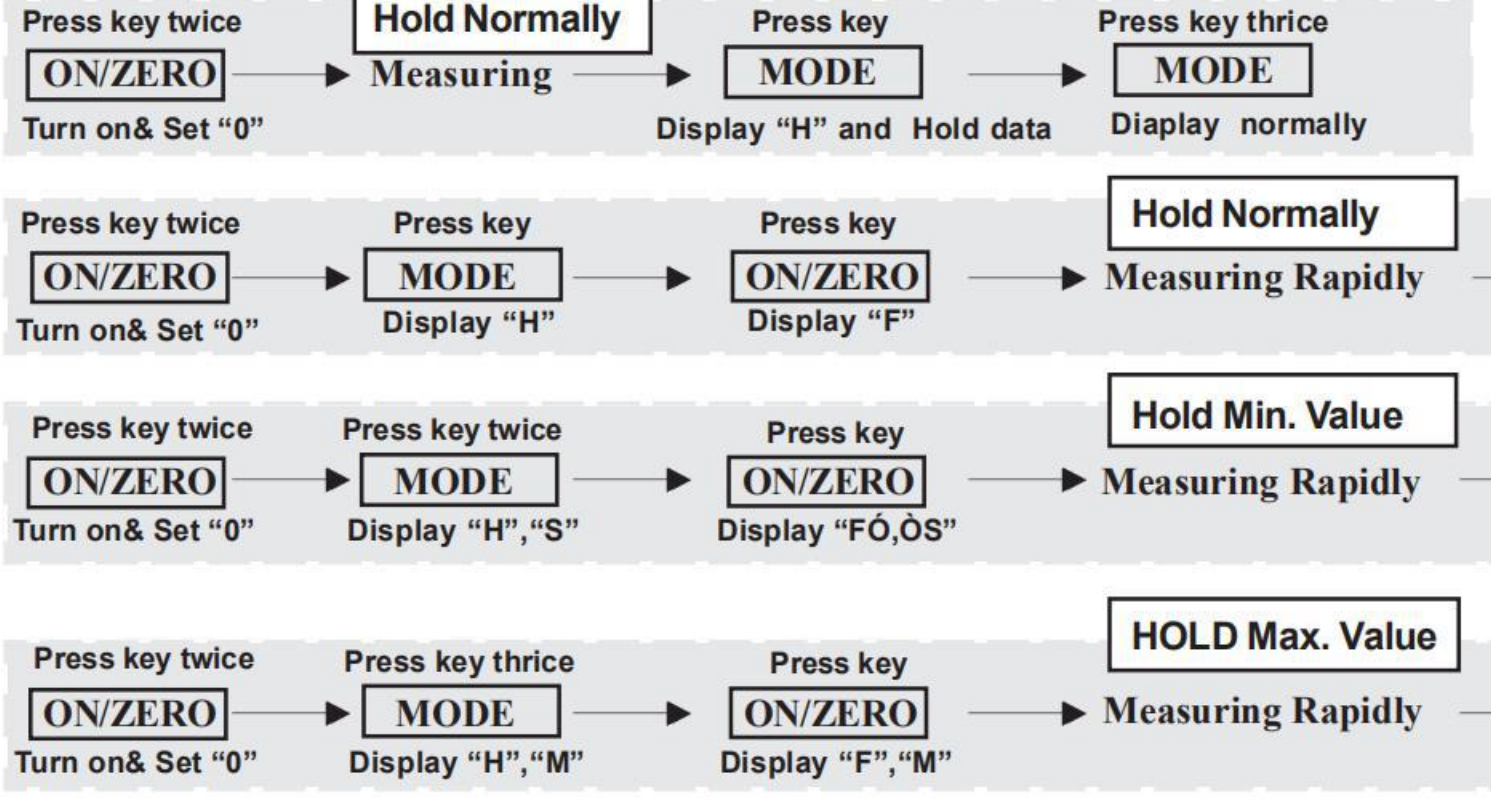


- Four-key type : MODE-key,on/off Key, Inch/mm Key, Zero Key.
- Mode button, hold "peak" maximum or minimum measurements and recall from memory.



MODE-Key Type

Range	Jaw Length	Order No.
150mm/6"	40mm	**101-4606**
200mm/8"	50mm	**101-4608**
300mm/12"	60mm	**101-4612**



Carbide Tipped Jaw Digital Calipers

- Carbide tipped measuring faces for lasting quality.



Range	Graduation	Jaw Length	Order No.
150mm/6”	.01mm/.0005”	40mm	**101-3406**
200mm/8”	.01mm/.0005”	50mm	**101-3408**
300mm/12”	.01mm/.0005”	60mm	**101-3412**

Round Depth Bar Digital Calipers

- With round depth bar.



Range	Graduation	Jaw Length	Open Vernier Order No.	Close Vernier Order No.
150mm/6”	.01mm/.0005”	40mm	**101-2806**	**101-2906**
200mm/8”	.01mm/.0005”	50mm	**101-2808**	**101-2908**
300mm/12”	.01mm/.0005”	60mm	**101-2812**	**101-2912**

Pointed Jaw Digital Calipers

- The narrow tip jaws fit into very small grooves and tracks.



Range	Graduation	Jaw Length	Order No.
100mm/4”	.01mm/.0005”	30mm	**101-4100**
150mm/6”	.01mm/.0005”	40mm	**101-4150**
200mm/8”	.01mm/.0005”	50mm	**101-4200**
300mm/12”	.01mm/.0005”	60mm	**101-4300**

Plate Anvil Digital Calipers

- Featured with pushing power limited device.
- Used to measure the half-soft board.



Range	Graduation	Jaw Length	Plate Dia.	Order No.
150mm/6”	.01mm/.0005”	50mm	20mm	**101-4405**
150mm/6”	.01mm/.0005”	100mm	20mm	**101-4406**
200mm8”	.01mm/.0005”	80mm	30mm	**101-4407**
200mm8”	.01mm/.0005”	150mm	30mm	**101-4408**
300mm/12”	.01mm/.0005”	120mm	50mm	**101-4412**
500mm/20	.01mm/.0005”	150mm	50mm	**101-4415**

Same Direction Upper Jaws Digital Calipers

- To measure the step distance on the same surface and in the same direction.
- To measure the step distance in the same direction , but on different surfaces.



Range	Graduation	Order No.
150mm/6”	.01mm/.0005”	**101-3906**
200mm/8”	.01mm/.0005”	**101-3908**
300mm/12”	.01mm/.0005”	**101-3912**

Jaw Offset Digital Calipers

- Main scale jaw can be slid up and down to facilitate measurement of stepped sections.



Range	Graduation	Jaw Size	Order No.
150mm/6”	.01mm/.0005”	40x110mm	**101-5150**
200mm/8”	.01mm/.0005”	50x120mm	**101-5200**
300mm/12”	.01mm/.0005”	60x130mm	**101-5300**
500mm/20”	.01mm/.0005”	100x210mm	**101-5500**

Tube Digital Calipers

- To measure the tube thickness(≧4mm).



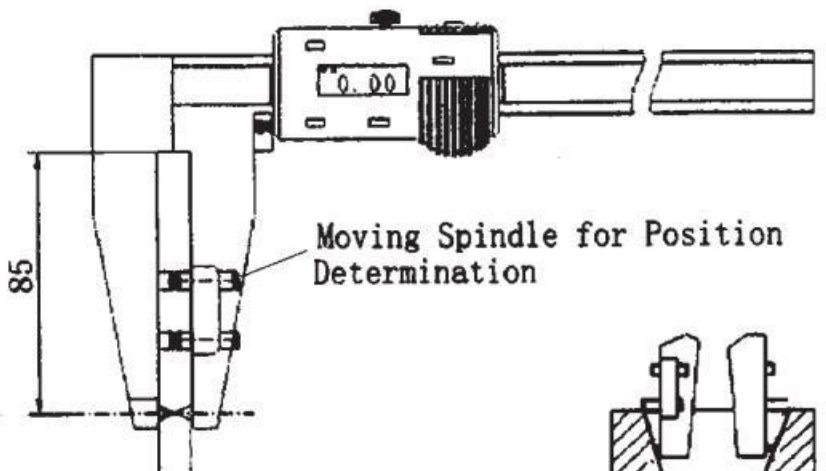
Range	Graduation	Order No.
150mm/6”	.01mm/.0005”	**101-3150**
200mm/8”	.01mm/.0005”	**101-3200**
300mm/12”	.01mm/.0005”	**101-3300**
500mm/20”	.01mm/.0005”	**101-3500**

Specialty Digital Calipers

Digital Brake Drum Gauges

- Manual power on/off.
- Zero setting at any position.
- Metric/Inch system conversion at any position.
- With data output interface.
- To measure the wear dimension of the automobile brake drum.
- Made of stainless steel.

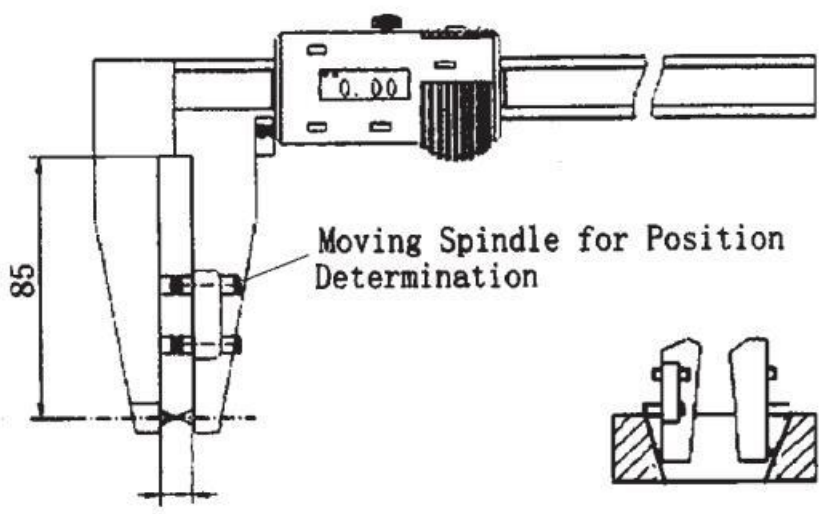




Range (Inch/mm)	Graduation (Inch/mm)	Accuracy (mm)	Order No.
0-12”/0-300	0.0005”/0.01	+/-0.06	**101-1103**

A Type

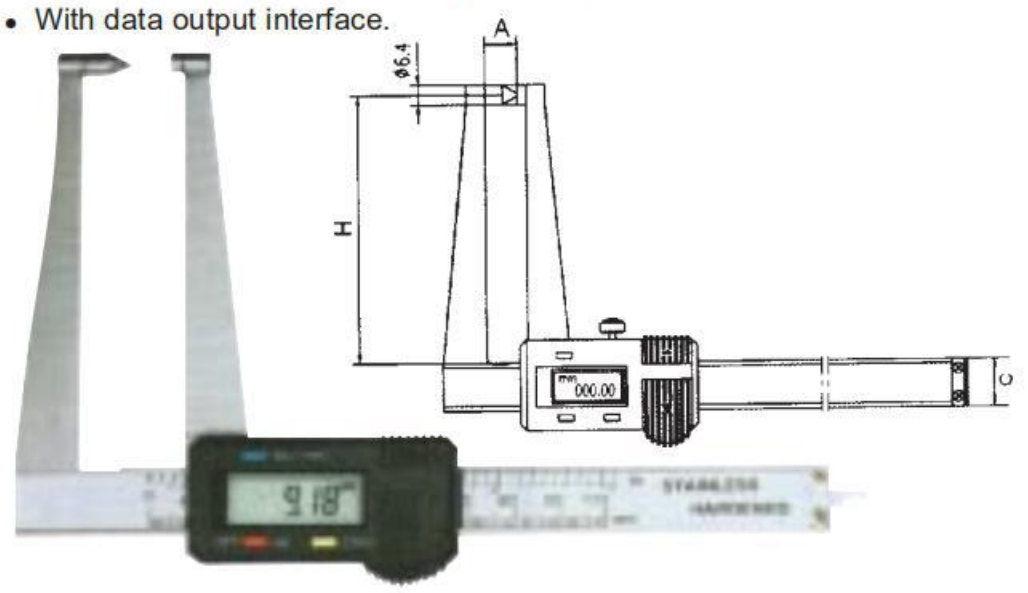




Range (Inch/mm)	Graduation (Inch/mm)	Accuracy (mm)	Order No.
0-20”/0-500	0.0005”/0.01	+/-0.06	**101-1105**

Disc Brake Digital Calipers

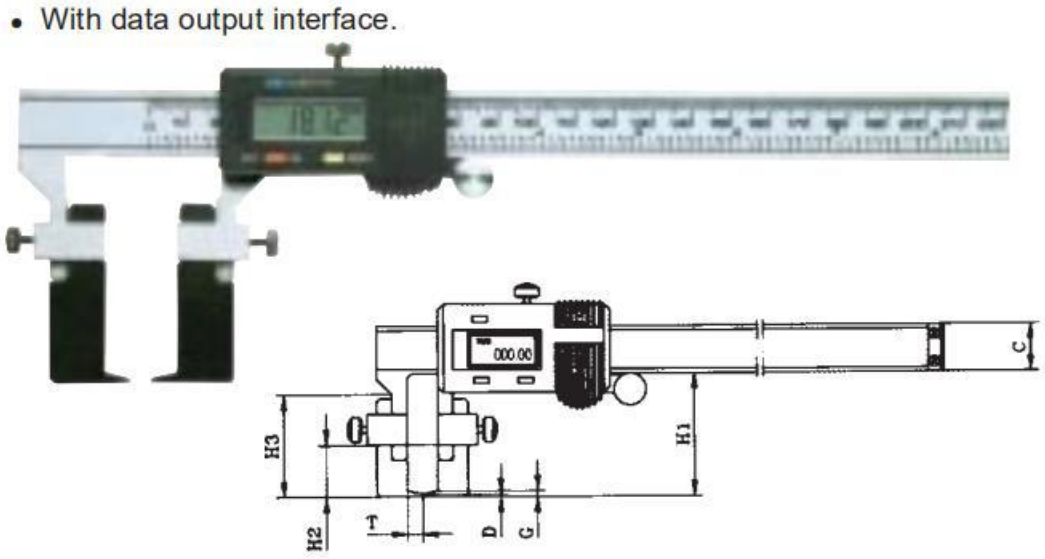
- To measure the depth of grooves on the disc brake.
- Manual power on/off.
- Zero setting at any position.
- Metric/Inch system conversion at any position.
- With data output interface.



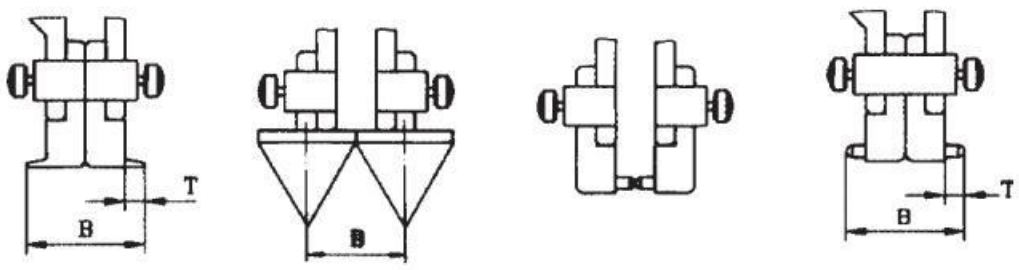
Range (Inch/mm)	Graduation (Inch/mm)	Accuracy (mm)	H (mm)	A (mm)	C (mm)	Order No.
0-3”/0-75	0.0005”/0.01	+/-0.03	50	8	13	**101-5503**
0-4”/0-100	0.0005”/0.01	+/-0.03	70	8	13	**101-5504**
0-6”/0-150	0.0005”/0.01	+/-0.04	90	10	16	**101-5506**

Inside & Outside Combined Digital Calipers

- With interchangeable anvils.
- Manual power on/off.
- Zero setting at any position.
- Metric/Inch system conversion at any position.
- With data output interface.



Range mm	H1 (mm)	H2 (mm)	H3 (mm)	B (mm)	C (mm)	D (mm)	G (mm)	T (mm)
0-6”/0-150	40	17	33	30	16	1	2	5
0-8”/0-200	50	24	40	42	16	1.5	2.5	8
0-12”/0-300	60	32	48	50	17	1.5	3	10



Type A Type B Type C Type D

Range (Inch/mm)	Graduation (Inch/mm)	Order No.
0-6”/0-150	0.0005”/0.01	**101-1106**
0-8”/0-200	0.0005”/0.01	**101-1108**
0-12”/0-300	0.0005”/0.01	**101-1112**

Inside Groove Digital Calipers

- Easy to measure the diameter of inside groove.



Range	Graduation	Order No.
125mm/5”	.01mm/.0005”	**101-2705**
150mm/6”	.01mm/.0005”	**101-2706**
200mm/8”	.01mm/.0005”	**101-2708**

Arc Outside Digital Calipers

- Easy to measure the radius of a workpiece whose shape is smaller than semi-circle.



Radius Range	Graduation	Order No.
3-150mm	.01mm/.0005”	**101-5700**

Outside Groove Digital Calipers

- Easy to measure the diameter of outside groove which is hard to reach by normal calipers.



Flat Jaw

Cylinder Jaw

Range	Graduation	Jaw Length	Flat Jaw Order No.	Cylinder Jaw Order No.
150mm/6”	.01mm/.0005”	40mm	**101-1150**	**101-1606**
200mm/8”	.01mm/.0005”	50mm	**101-1200**	**101-1608**
300mm/12”	.01mm/.0005”	60mm	**101-1300**	**101-1612**
500mm/20”	.01mm/.0005”	100mm	**101-1500**	**101-1620**

Inside Groove Digital Calipers

- Easy to measure the diameter of inside groove.



Flat Jaw

Cylinder Jaw

Range	Graduation	Jaw Length	Flat Jaw Order No.	Cylinder Jaw Order No.
150mm/6”	.01mm/.0005”	40mm	**101-2150**	**101-2606**
200mm/8”	.01mm/.0005”	50mm	**101-2200**	**101-2608**
300mm/12”	.01mm/.0005”	60mm	**101-2300**	**101-2612**
500mm/20”	.01mm/.0005”	100mm	**101-2500**	**101-2620**

Dual Purpose Digital Calipers

- Dual purpose: Analog vernier caliper & digital caliper.
- Three keys: mm/inch, off/on,zero.



Range	Graduation	Graduation On Body	Order No.
150mm/6”	.01mm/.0005”	0.05mm	**101-2851**
200mm/8”	.01mm/.0005”	0.05mm	**101-2852**
150mm/6”	.01mm/.0005”	1/128”	**101-2861**
200mm/8”	.01mm/.0005”	1/128”	**101-2862**

Center Distance Digital Calipers

- Easy measurement solution of hole center to hole center diameter of holes are between 1mm and 10mm.



Range	Graduation	Order No.
5-150mm/0.2-6”	.01mm/.0005”	**101-1706**
5-200mm/0.2-8”	.01mm/.0005”	**101-1708**
5mm-300mm/0.2-12”	.01mm/.0005”	**101-1712**

Specialty/Heavy Duty Digital Calipers

Welding Groove Digital Calipers



Range	Graduation	Order No.
12.5mm/0.5” 60° ,70° , 80° , 90°	.01mm/.0005”	**101-5600**

Center Distance Digital Calipers

- With Cone Anvils



Range	Graduation	Order No.
20-500mm/0.8-20”	0.01mm/0.0005"	**101-1715**
20-1000mm/0.8-40”	0.01mm/0.0005"	**101-1720**
20-2000mm/0.8-80”	0.01mm/0.0005"	**101-1730**

Long Jaws Inside Digital Calipers

- Easy to obtain the diameter of deep hole with long jaws.

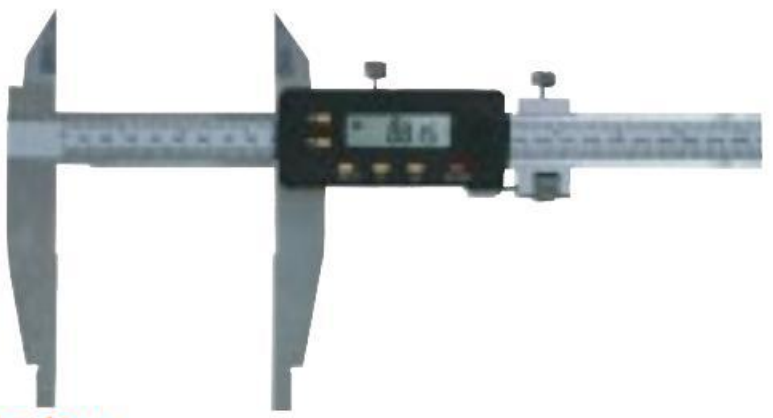


Range	Graduation	Size of Jaw	Order No.
150mm/6”	.01mm/.0005”	60x24mm	**100-2115**
150mm/6”	.01mm/.0005”	90x28mm	**100-2116**
200mm/8”	.01mm/.0005”	80x28mm	**100-2120**
200mm/8”	.01mm/.0005”	100x34mm	**100-2121**
300mm/12”	.01mm/.0005”	150x44mm	**100-2132**
300mm/12”	.01mm/.0005”	90x30mm	**100-2130**
300mm/12”	.01mm/.0005”	120x40mm	**100-2131**
500mm/20”	.01mm/.0005”	120x40mm	**100-2150**
500mm/20”	.01mm/.0005”	150x44mm	**100-2151**
500mm/20”	.01mm/.0005”	180x48mm	**100-2152**

Heavy Duty Digital Calipers

With Fine Adjustment & External Upper Jaws

- Inch/mm conversion (.01mm/.0005”).
- Manual power on/off.
- Zero setting at any position.
- SPC output.



60-90 & 250mm Jaw

Range	Jaw Length	Order No.
300mm/12”	60mm	**100-3030**
300mm/12”	75mm	**100-3031**
300mm/12”	90mm	**100-3032**
500mm/20”	250mm	**100-3053**

100-300 mm Jaw

Range	100mm Jaw Length OrderNo.	150mm Jaw Length Order No.	200mm Jaw Length Order No.	300mm Jaw Length Order No.
450mm/18”	**100-3045**	**100-3046**		**100-3063**
500mm/20”	**100-3050**	**100-3051**	**100-3052**	**100-3082**
600mm/24”	**100-3060**	**100-3061**	**100-3062**	**100-3102**
800mm/32”		**100-3080**	**100-3081**	**100-3152**
1000mm/40”		**100-3100**	**100-3101**	**100-3202**
1500mm/60”		**100-3150**	**100-3151**	
2000mm/80”		**100-3200**	**100-3201**	

Heavy Duty Digital Calipers

No Upper Jaws,with Fine Adjustment

- Manual power on/off.
- Inch/mm conversion (.01mm/.0005”).
- Fast tracing of maximum or minimum value.
- Zero setting at any position.
- Data hold function.
- SPC out put.



Range	100mm Jaw Length Order No.	150mm Jaw Length Order No.	200mm Jaw Length Order No.	250mm Jaw Length Order No.	300mm Jaw Length Order No.
500mm/20”	**100-5050**	**100-5051**	**100-5052**	**100-5053**	
600mm/24”	**100-5060**	**100-5061**	**100-5062**	**100-5064**	**100-5063**
1000mm/40”		**100-5100**	**100-5101**	**100-5103**	**100-5102**
1500mm/60”		**100-5150**	**100-5151**	**100-5153**	**100-5152**
2000mm/80”			**100-5200**	**100-5201**	**100-5202**

Digital Scale Units

- Made of stainless steel.
- Graduation: .01mm/.0005”
- Each specification of vertical scale has predetermination function.

Horizontal scale units, over 500mm/20” range, have predetermination function.



Horizontal



Horizontal over 500mm/20”



Vertical

Range	Horizontal Reading Order No.	Vertical Reading Order No.
100mm/4”	**100-1010**	**100-0010**
150mm/6”	**100-1015**	**100-0015**
200mm/8”	**100-1020**	**100-0020**
300mm/12”	**100-1030**	**100-0030**
400mm/16”	**100-1040**	**100-0040**
450mm/18”	**100-1045**	**100-0045**

Range	Horizontal Reading Order No.	Vertical Reading Order No.
500mm/20”	**100-1050**	**100-0050**
600mm/24”	**100-1060**	**100-0060**
750mm/30”	**100-1075**	**100-0075**
800mm/32”	**100-1080**	**100-0080**
1000mm/40”	**100-1100**	**100-0100**
1500mm/60”	**100-1150**	**100-0150**
2000mm/80”	**100-1200**	**100-0200**

Digital Readout System

For Digital Measuring Tools

The indicator can be used on drilling, lathing, grinding, cutting, and wood working machines along with Digital Scale Units for purpose of easy operation & increasing accuracy.

- mm/Inch conversion: .01mm/.001”.
- Operating range: 999.99mm/39.37”.
- Center-Separation.
- On/Off Switch.
- Zero Reset.
- Magnetic Back.



100-0001/100-0006

Liquid Crystal Display(LCD)



100-0002

Liquid Crystal Display(LCD)



100-0004



100-0005



100-0003

Low Emitting Diode(LED)

Digital Scale Units Not Included

Specification	LCD Order No.	LED Order No.
Three Axis(220V AC Power)	**100-0002**	**100-0003**
Three Axis(220V AC Power)	**100-0004**	**100-0005**
One Axis 220V	**100-0001**	
One Axis 110V	**100-0006**	

Mini-Interface Set

Mini-interface is an integration of interface and COM plugs, designed for portable and easy use

Type A



Specifications	Order No. 101-0041	Oeder No. 101-0042
Data input port	Port for capacitive digital measuring instruments	Port for capacitive digital measuring instruments
Data output port	COM port/RS232 port	USB port
Power supply	Via a PC	Via a PC
Dimensions	80 x 50 x 32mm	80 x 50 x 32mm
Mass	80g	80g

Interface protocol:
Band Tate: 48000 Data Bits: 8 Stop Bit:1
No correction or examination.
Data will be sent in ASCII Code(and TXT) continually. After each datum finishes sending, press <enter>.
There’s no frame for data. Cord ASCII for data measurement consists of 10 bytes starting with sign <+> or sign <->, followed by 7 digits, one decimal point and <Enter>.
With stable bytes transmission.
Followed by a group of data is Code ASCII for <Enter>.
Transmission Rate: 3 times/s.

Type B



Specifications	Order No. 101-0043	Oeder No. 101-0044
Data input port	Port for capacitive digital measuring instruments	Port for capacitive digital measuring instruments
Data output port	COM port/RS232 port	USB port
Power supply	Via a PC	Via a PC
Dimensions	62 x 33 x 17mm	62 x 33 x 17mm
Mass	30g	30g

Interface protocol:
Band Tate: 48000 Data Bits: 8 Stop Bit:1
No correction or examination.
Data will be sent in ASCII Code(and TXT) continually. After each datum finishes sending, press <enter>.
There’s no frame for data. Cord ASCII for data measurement consists of 10 bytes starting with sign <+> or sign <->, followed by 7 digits, one decimal point and <Enter>.
With stable bytes transmission.
Followed by a group of data is Code ASCII for <Enter>.
Transmission Rate: 3 times/s.

Mini-Interface Set

Mini-interface is an integration of interface and COM plugs, designed for portable and easy use

- 9 pin male COM port designed for connection on different SPC cable.
- Fine quality cream-colored plastic case.

Set included:

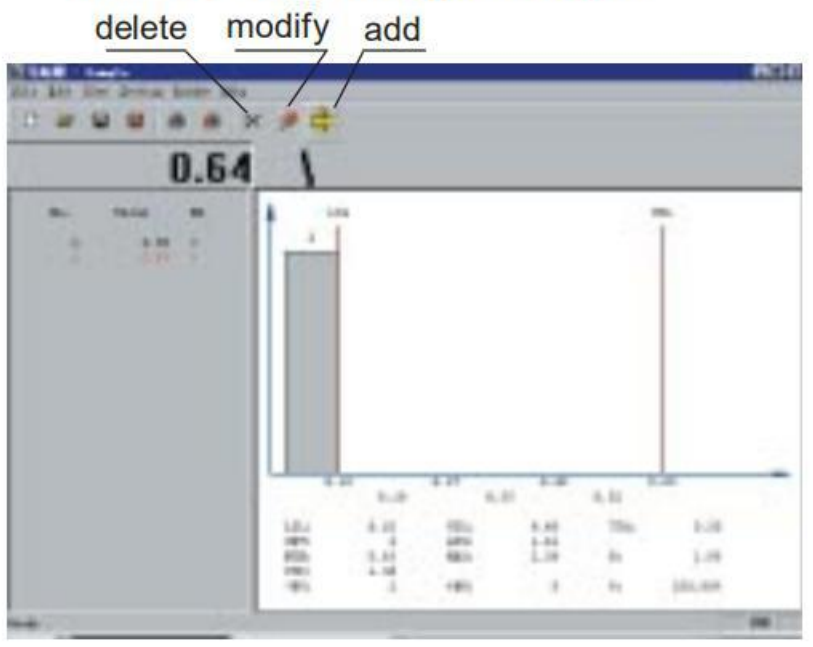
- One integrated interface with one 9 pin male end (for SPC cable) and 9 pin female end (for PC COM port).
- One SPC connection cable, 4 pin flat on one end (for connecting digital measuring tools), 9 pin female on other(for connecting interface).
- Two floppy disk contain easy operating interface softwar.
- One Plastic case size is 1-1/2"x4"x7" (3.5x10x18mm)

Order No. 101-0040



Digital Caliper not included

Interface for Windows Platform





Interface Size:
17 x 33x 64mm
(7/10 x1-3/10 x 2-1/2")

Interface & Micro Printer Combo Set

- Power Supply: AC adaptor(DC5V, 1.7A)
- Signal input cable with 25 pin plug.
- Offers various statistical data:
  - All input data
  - Number of data inputs (N)
  - Maximum value (MAX)
  - Minimum value (MIN)
  - Average (X-bar)
  - Standard Deviation (S)





Order No. 101-0050

SPC Cable for Electronic Micrometer

- SPC cable: The micrometer can be connected to computer, transfer data to computer.
- Transfer data to HyperTerminal(Microsoft).



Cable length: 1.5m
Use to connect:
Electronic measure, indicator, caliper.
Order No.600-0031



Cable length: 2m
Use to connect:
Electronic measure.
Order No.600-0032



Cable length: 2m
Use to connect:
Electronic measure.
Order No.600-0033



With foot swith
Cable length: 2m
Use to connect:
Electronic measure, indicator, caliper, Mu-Checkers.
Order No.600-0034



Cable length: 2m
Use to connect:
Electronic measure, indicator, caliper, Mu-Checkers.
Order No.600-0035

Data Output Lines For Digital Calipers

- Connected digital calipers to computer via this line.

Length	Interface	Order No.	Interface	Order No.
1000mm	9 Pins	**101-0030**	25 Pins	**101-0032**
1500mm	9 Pins	**101-0034**	25 Pins	**101-0036**

Battery For Digital Calipers

- Accessory for Electronic Calipers.
- SR44. 1.5V, one year lifetime.



Description	Order No.
Battery for Electronic Calipers	**101-0000**
Battery Cover for Digital Caliper	**101-0001**

Caliper Accessory Kit

- Designed for vernier, dial, and electronic calipers.
- For different applications and configurations on hard-to-reach places, measuring slot, step, grooves etc.





Digital caliper not included

Specification

4 Pairs/set,includes:
A pair of Ball Contact Point
A pair of Point Contact Point
A pair of Flat Contact Point
A pair of Spline Contact Point

Order No.101-0020

Optional Extension Bases

NEW

- Stainless Steel
- Dial Depth Gages Type

Length	Order No.
7”	610-5007
10”	610-5010
12”	610-5012

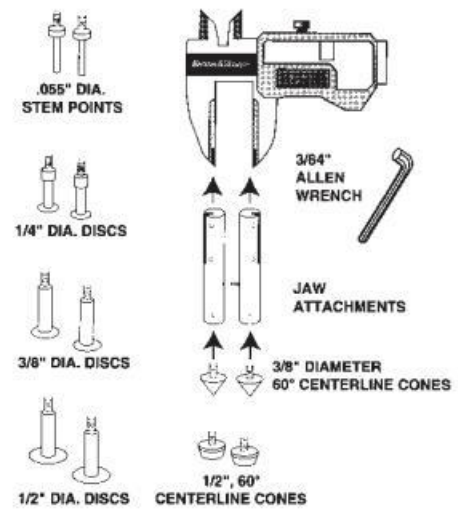


Centerline Plus Accessory Kit

Fits all 6" Dial,Digital, and Vernier calipers -Jaw attachment slots are manufactured to .140".

Features:

- Exclusive interchangeable centerline cones
- Measure places otherwise impossible to reach with a regular caliper — undercuts, grooves, webs, and shoulders
- Exclusive 4-48 threaded holes in accessory jaws allow the use of any AGD Standard Point equipped with 4-48 threads -- has virtually unlimited uses
- Long life — corrosion protection
- Permanent alignment



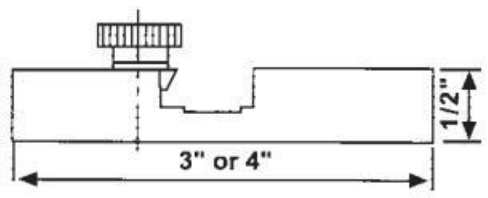


No. of Pieces	Specification	Set Order No.
6Pairs/Set	• 6Pairs/Set,includes: .055”Dia. Stem points 1/4”Dia.Discs 3/8”Dia.Discs 1/2”Dia.Discs 1/2”Dia. 60°Centerline Cones 3/8”Dia. 60°Centerline Cones • Wooden case(Case only **Order No.9100-9186**)	**101-0110**

T-Bar Base Depth Attachment

for Calipers

- For 4”, 6”, 8”& 12” Veinier and Dial calipers
- Choice of 3” or 4” base length for 6” & 8” models
- Finely ground base surface and secure locking clamp





Length	Specifications	Order No.
3”	For 4,6 8” Calipers	**101-0003**
4”	For 4,6 8” Calipers	**101-0004**
5”	For 12” Calipers only	**101-0005**

Caliper Depth Base Attachment

NEW

1/8" thick, 5/8" wide holder,
3x1/4" base

Order No. 610-5001



Caliper Clamp On Jaw

Turn your Caliper into a versatile and accurate depth measurement device. Small, light, and corrosion resistant.Clamp On attaches to any Caliper Jaw in seconds. Thin probes in differing lengths can be used singly or in pairs to measure depths of grooves, blind holes, and other places otherwise impossible to reach.

Material is Stainless Steel, 4-48 Threads.

Dimensions	Order No.
Jaw clamp On for 6” Calipers .133 Max.jaw Width (Sold singly)	**101-0002**



Centerline Gage Sets

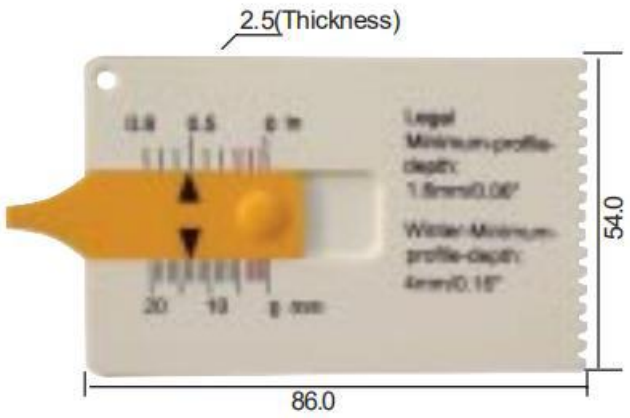
- Designed for dial, vernier and digital calipers, measure centerline distance.
- Sold in pairs, these gages quickly adapt to most calipers.
- Constructed of high quality alloy steel hardened to 50 RC, black oxide finish.



Description	Dia.	Length	Jaw Thickness	Order No.
For 4”,6”,8” calipers	.375”	2.195”	.155”	**101-0008**
For 10”,12” calipers	.500”	2.750”	.188”	**101-0012**

Plastic Tyre Profile Depth Gage

- With metric and inch scales. The red scale can help judge quickly if the tread profile depth on the safe level
- The bevel edge with saw teeth can be used to scrape off the snow or ice on the windsreen and wing mirrors
- Made of ABS plastic, which is a good choice for promtion.



Range: 0-20mm/0-0.8”

Order No. 615-6400

Digital Thread Depth Gauge

- Large LCD display.
- Zero setting at any posistion.
- Metric/Inch system interchange.
- Manual power on/off.
- Suitable for thread depth, brake shoe and pad wear.

Black-Hoursing, black frame

Order No. 110-0100

Blue-Hoursing, black frame

Order No. 110-0101



Range	Resolution	Operation Temperture	Weight
0-25mm/1”	0.01mm/0.0005”	-5°C~40°C	40g

Adjustable Angle Depth Gages

- Front side of head has a “V” groove to hold depth rod in upright position
- 6” stainless steel rule;
- Hardened and ground steel base.
- Not precisely a protractor, but the angle measurements in 15 degree increment are a use ful and welcomed feature.



Range	Graduation	Order No.
6”	0.5mm	**615-6122**

Digital Depth Gages

- Graduation .01mm/.0005”
- Three Key Type is popular than auto on/off type .

Without Hook



Range	Base	Three key Order No.
0-150mm /6”	100mm	**110-2150**
0-200mm /8”	100mm	**110-2200**
0-300mm/12”	100mm	**110-2300**
0-500mm/20”	120mm	**110-2500**
0-150mm /6”	150mm	**110-2151**
0-200mm/8”	150mm	**110-2201**
0-300mm/12”	150mm	**110-2301**
0-500mm/20”	150mm	**110-2501**
0-500mm /20”	200mm	**110-2502**

With Hook



Range	Base	Three key Order No.
0-150mm /6”	100mm	**110-3150**
0-200mm /8”	100mm	**110-3200**
0-300mm/12”	100mm	**110-3300**
0-500mm/20”	120mm	**110-3500**
0-150mm /6”	150mm	**110-3151**
0-200mm/8”	150mm	**110-3201**
0-300mm/12”	150mm	**110-3301**
0-500mm/20”	150mm	**110-3501**
0-500mm /20”	200mm	**110-3502**

Double Dial Depth Caliper

- Dial is graduated in both inch and metric.
- Features separate hands for inch and metric measurements for easy recognition
- Range per revolution: .100”/2mm
- Graduations:.001”/.02mm
- Made of hardened stainless steel
- Include case

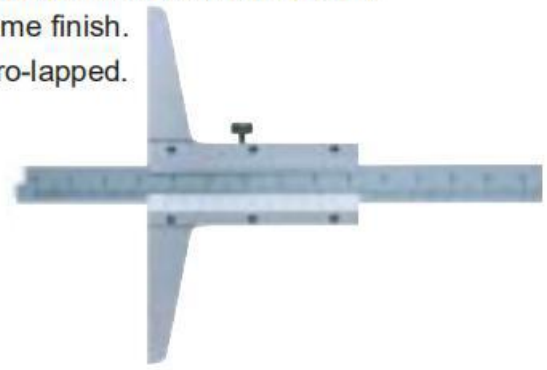


Range	Order No.
0-6"/150mm	**102-0616**
0-8"/200mm	**102-0618**

Vernier Depth Gages

Basic Model

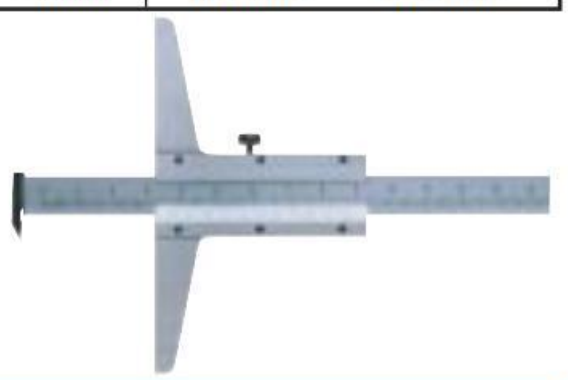
- Designed for measuring depth of holes, slots and recesses.
- Clear graduations on satin chrome finish.
- All bases are hardened and micro-lapped.



Without Hook

Range	Grad.	Base	Carbon Steel Order No.	Stainless Steel Order No.
0-6”	.001”	3”	**111-0060**	**112-0060**
0-8”	.001”	4”	**111-0084**	**112-0084**
0-12”	.001”	4”	**111-0124**	**112-0124**
0-20”	.001”	4”	**111-0140**	**112-0140**
0-6”	1/128”	3”	**111-0061**	**112-0061**
0-8”	1/128”	4”	**111-0086**	**112-0086**
0-12”	1/128”	4”	**111-0125**	**112-0125**
0-20”	1/128”	4”	**111-0141**	**112-0141**
0-8”/200mm	.001”/.02mm	4”	**111-0620**	**112-0620**
0-12”/300mm	.001”/.02mm	4”	**111-0621**	**112-0621**

Range	Grad.	Base	Carbon Steel Order No.	Stainless Steel Order No.
0-150mm	.02mm	80mm	**111-0152**	**112-0152**
0-200mm	.02mm	100mm	**111-0202**	**112-0202**
0-300mm	.02mm	100mm	**111-0302**	**112-0302**
0-500mm	.02mm	100mm	**111-0502**	**112-0502**
0-150mm	.05mm	80mm	**111-0155**	**112-0155**
0-200mm	.05mm	100mm	**111-0205**	**112-0205**
0-300mm	.05mm	100mm	**111-0305**	**112-0305**
0-500mm	.05mm	100mm	**111-0505**	**112-0505**



With Hook

Range	Grad.	Base	Carbon Steel Order No.	Stainless Steel Order No.
0-8”	.001”	4”	**111-1084**	**112-1084**
0-12”	.001”	4”	**111-1124**	**112-1124**
0-20”	.001”	4”	**111-1140**	**112-1140**
0-8”	1/128”	4”	**111-1086**	**112-1086**
0-12”	1/128”	4”	**111-1125**	**112-1125**
0-20”	1/128”	4”	**111-1141**	**112-1141**
0-8”/200mm	.001”/.02mm	4”	**111-1620**	**112-1620**
0-12”/300mm	.001”/.02mm	4”	**111-1621**	**112-1621**

Range	Grad.	Base	Carbon Steel Order No.	Stainless Steel Order No.
0-200mm	.02mm	100mm	**111-1202**	**112-1202**
0-300mm	.02mm	100mm	**111-1302**	**112-1302**
0-500mm	.02mm	100mm	**111-1502**	**112-1502**
0-200mm	.05mm	100mm	**111-1205**	**112-1205**
0-300mm	.05mm	100mm	**111-1305**	**112-1305**
0-500mm	.05mm	100mm	**111-1505**	**112-1505**

Small Measuring Point

- Mono-Block Vernier.
- Made of stainless steel.



Range	Graduation	Base	Order No.
0-80mm	.05mm	50mm	**112-4085**
0-200mm	.05mm	100mm	**112-4205**
0-300mm	.05mm	100mm	**112-4305**

Two End Using & Large Base

- Mono-Block Vernier.
- Made of stainless steel.
- With hook.



Range	Base	Grad:.02 mm Order No.	Grad:.05 mm Order No.
0-200mm	100mm	**112-5202**	**112-5205**
0-300mm	150mm	**112-5302**	**112-5305**
0-400mm	150mm	**112-5402**	**112-5405**
0-500mm	150mm	**112-5502**	**112-5505**

Exchangeable Needle



Range	Graduation	Order No.
0-80mm	0.05mm	**112-5085**
0-160mm	0.05mm	**112-5160**
0-300mm	0.05mm	**112-5300**

Mono-Block Type



Range	Grad.	Base	Carbon Steel Order No.	Stainless Steel Order No.
0-150mm	.02mm	80mm	**111-2152**	**112-2152**
0-200mm	.02mm	100mm	**111-2202**	**112-2202**
0-300mm	.02mm	100mm	**111-2302**	**112-2302**
0-300mm	.02mm	150mm		**112-2303**
0-400mm	.02mm	100mm	**111-2402**	**112-2402**
0-400mm	.02mm	150mm		**112-2403**
0-500mm	.02mm	100mm	**111-2502**	**112-2502**
0-500mm	.02mm	150mm		**112-2503**
0-150mm	.05mm	80mm	**111-2155**	**112-2155**
0-200mm	.05mm	100mm	**111-2205**	**112-2205**
0-300mm	.05mm	100mm	**111-2305**	**112-2305**
0-300mm	.05mm	150mm		**112-2306**
0-400mm	.05mm	100mm	**111-2405**	**112-2405**
0-400mm	.05mm	150mm		**112-2406**
0-500mm	.05mm	100mm	**111-2505**	**112-2505**
0-500mm	.05mm	150mm		**112-2506**

Precision Vernier Height Gages

- With fine adjustment and lock.
- Made of high quality tool steel.
- Including offset steel scriber.
- Supplied in fitted case.



Range	Gradu.	Order No.	Grad.	Order No.
0-200mm	.02mm	**622-8222**	.05mm	**622-8225**
0-300mm	.02mm	**622-8232**	.05mm	**622-8235**
0-350mm	.02mm	**622-8237**	.05mm	**622-8239**
0-400mm	.02mm	**622-8242**	.05mm	**622-8245**
0-500mm	.02mm	**622-8252**	.05mm	**622-8255**
0-550mm	.02mm	**622-8257**	.05mm	**622-8259**
0-600mm	.02mm	**622-8262**	.05mm	**622-8265**
0-1000mm	.02mm	**622-8312**	.05mm	**622-8315**

Side Wheel Vernier Height Gages

- Both main scale and vernier are made of stainless steel.
- Height measurement and scribing.
- No parallax reading. The reading lines of main scale and vernier are at the same horizontal line. That can effectually avoid section parallax.
- Large cross-section area of scale body and infexible vertical shaft ensure the quality of scribing and repeated measurement.
- Vernier can make precision fine adjustable measurement through handwheel.



Range	Graduation	Accuracy	Order No.
0-300mm	.01mm	+/-0.05	**621-8401**
0-450mm	.01mm	+/-0.08	**621-8402**
0-500mm	.01mm	+/-0.08	**621-8403**
0-600mm	.01mm	+/-0.09	**621-8404**

Precision Adjustable Height Gages

- With Cam-Lock scriber mounting.
- With fine adjustment and lock.
- Include: Straight steel scriber.
  Offset steel scriber.
  Square holding bar.
  Magnifying glass.
- Supplied in fitted case.

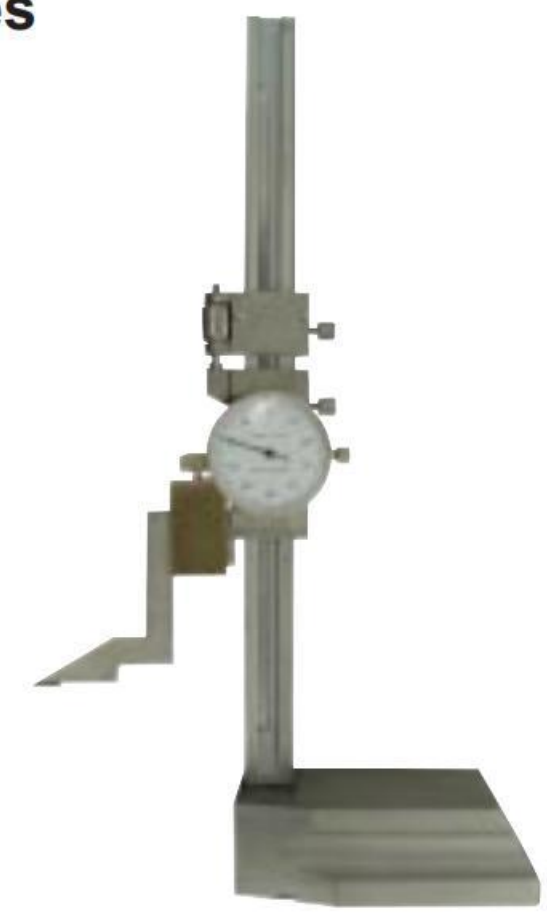


Range	Grad.	Base Size	Carbon Steel Order No.	Stainless Steel Order No.
0-10"	.001"	4.8x3.2"	**622-8511**	**621-8511**
0-10"/250mm	.001"/.02mm	3.0x4.0"	**622-8510**	**621-8510**
0-12"/300mm	.001"/.02mm	3.3x4.9"	**622-8512**	**621-8512**
0-18"/450mm	.001"/.02mm	4.7x7"	**622-8518**	**621-8518**
0-20"/500mm	.001"/.02mm	4.7x7"	**622-8520**	**621-8520**
0-24"/600mm	.001"/.02mm	4.7x7"	**622-8524**	**621-8524**
0-40"/1000mm	.001"/.02mm	5.9x9.9"	**622-8540**	**621-8540**

Range	Grad.	Carbon Steel Order No.	Stainless Steel Order No.
0-300mm	.02mm	**622-8442**	**621-8442**
0-500mm	.02mm	**622-8444**	**621-8444**
0-600mm	.02mm	**622-8446**	**621-8446**
0-1000mm	.02mm	**622-8448**	**621-8448**
0-300mm	.05mm	**622-8450**	**621-8450**
0-500mm	.05mm	**622-8452**	**621-8452**

Dial Height Gages

- With fine adjustment and lock.
- Has a carbide tipped scriber.
- Made of stainless steel.
- Black face or white face.
- Shock proof.
- Right hand type for easy use.
- Supplied in fitted case.



Range	Graduations	White Face Order No.	Black Face Order No.
0-6"	.001"	**621-7506**	**621-7606**
0-8"	.001"	**621-7508**	**621-7608**
0-12"	.001"	**621-7512**	**621-7612**
0-150mm	.01mm	**621-7115**	**621-7215**
0-200mm	.01mm	**621-7120**	**621-7220**
0-300mm	.01mm	**621-7130**	**621-7230**
0-150mm	.02mm	**621-7315**	**621-7415**
0-200mm	.02mm	**621-7320**	**621-7420**
0-300mm	.02mm	**621-7330**	**621-7430**
150mm/6"	.02mm/.001"	**621-7806**	**621-7906**
200mm/8"	.02mm/.001"	**621-7808**	**621-7908**
300mm/12"	.02mm/.001"	**621-7812**	**621-7912**

Digital Counter Double Beam Height Gages

- .001” graduation, .1” dial reading digital counter.
- Double digital counter can be zero-set at an any height within range by pressing zero-reset button.
- Features a large feed wheel for coarse & fine vertical adjustments.
- Carbide tipped scriber.
- Bottom surface hardened & ground.
- Supplied in fitted case.



Range	Grad.	Order No.
0-12”	.001”	**621-8412**
0-18”	.001”	**621-8418**
0-20”	.001”	**621-8420**
0-24”	.001”	**621-8424**

Range	Grad.	Order No.
0-300mm	.01mm	**621-8530**
0-450mm	.01mm	**621-8545**
0-500mm	.01mm	**621-8550**
0-600mm	.01mm	**621-8560**

Digital Counter Three Beam Height Gages

- .001”/.01mm graduation, .1” dial reading digital counter.
- Three beam type provides high rigidity for large sizes.
- Three beam digital counter can be zero-set at an any height within range by pressing zero-reset button.
- Features a large feed wheel for coarse & fine vertical adjustments.
- Carbide tipped scriber.
- Bottom surface hardened & ground.
- Supplied in fitted case.



Range	Grad.	Order No.
0-32”	.001”	**621-7032**
0-40”	.001”	**621-7040**
0-800mm	.01mm	**621-7080**
0-1000mm	.01mm	**621-7100**

Electronic Digital Height Gages

Saddle Base

- Stainless Steel.
- Large Screen.
- Inch/Metric conversion.
- Relative/Absolute conversion.
- Preset memory functions.
- SPC Output.
- Rotate tighten scriber clamp.
- Supplied in fitted case.



Range	Graduation	Order No.
0-300mm/0-12"	.01mm/.0005”	**621-7813**
0-450mm/0-18"	.01mm/.0005”	**621-7814**
0-500mm/0-20"	.01mm/.0005”	**621-7815**
0-600mm/0-24"	.01mm/.0005”	**621-7816**
0-1000mm/0-40"	.01mm/.0005”	**621-7821**
0-1500mm/0-60"	.01mm/.0005”	**621-7822**

Electronic Digital Height Gages

T - Base

- Switchable Inch/Metric high contrast LCD with fine adjustment device and carbide tipped scriber.
- Made of hardened steel, precision ground and micro-lapped base.
- Two standard 1.5 V batteries.
- Supplied in fitted case.



Ranged	Graduation	Order No.
0-300mm/0-12”	.01mm/.0005”	**621-8390**
0-600mm/0-24”	.01mm/.0005”	**621-8394**
0-500mm0-20”	.01mm/.0005”	**621-8395**
0-1000mm/0-40”	.01mm/.0005”	**621-8396**

Electronic Digital Height Gages



- Power on/off.
- Zero-setting at any position.
- Units conversion.
- Data output.
- Presetting.
- Carbide-tipped scriber facilitates fine scribing on workpieces.
- Can easily measure height of small workpieces.
- The clear LCD screen.
- The robust construction with a thick column provides highly repeatable measurement.
- Fine-adjustment carriage to feed the slider finely.

Range	Graduation	Order No.
0-300mm/0-12"	.01mm/.0005"	**621-8303**
0-500mm/0-20"	.01mm/.0005"	**621-8305**
0-600mm/0-24"	.01mm/.0005"	**621-8306**
0-800mm/0-32"	.01mm/.0005"	**621-8308**
0-1000mm/0-40"	.01mm/.0005"	**621-8310**
0-1500mm/0-60"	.01mm/.0005"	**621-8311**
0-2000mm/0-80"	.01mm/.0005"	**621-8313**

Electronic Double Beam Digital Height Gages



Light Duty

- Made of stainless steel.
- Supplied in fitted case.

Range	Graduation	Order No.
0-300mm/0-12"	.01mm/.001"	**621-8312**
0-450mm/0-18"	.01mm/.001"	**621-8318**
0-500mm/0-20"	.01mm/.001"	**621-8320**
0-600mm/0-24"	.01mm/.001"	**621-8324**

Electronic Double Beam Digital Height Gages



- The clear LCD screen
- Setting at any position.
- The movement of handwheel can make precision fine asjustable measurement.
- Set zero at discretion. INC/ABS. Transfer of measurement. Keeping of data. Power ON/OFF. Low battery Alarm Display. Metric/Inch transfer. Temperature: 0°C-40°C.
- Battery CR2032.

Range	Graduation	Accuracy	Order No.
0-300mm/12"	.01mm/.0005"	+/-0.03	**621-8301**

Electronic Digital Height Gage



- Made of stainless steel throughout.
- Bases is hardened throughout.
- The robust construction with a column provides highly repeatable measurements.
- Fine adjustment control for smooth movement.
- Carbide-tipped scriber.
- With RS232 output.
- Battery: 3V Cr2032 battery.
- With wooded case.

Function:

- mm/inch conversion
- ABS and INC mode
- Power on, off
- Zero setting

NEW

Range	Grad.	Accuracy	Order No.
0-200mm/8"	0.01mm/0.005"	0.03mm/0.0015"	**621-7842**
0-300mm/12"	0.01mm/0.005"	0.04mm/0.002"	**621-7844**
0-500mm/20"	0.01mm/0.005"	0.04mm/0.002"	**621-7848**
0-600mm/24"	0.01mm/0.005"	0.05mm/0.0025"	**621-7850**

Electronic Side Wheel Digital Height Gages

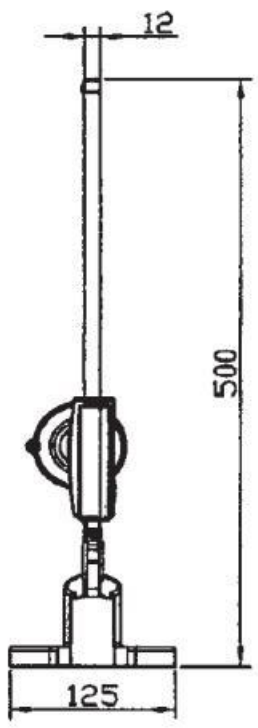


- Both main scale and vernier are made of stainless steel.
- Height measurement and scribing.
- Structure of double CMOS chips and stable characteristic.
- Vernier have two frames: handwheel movement and quick movenent. The movement of handwheel can make precision fine asjustable measurement.
- Set zero at discretion. INC/ABC. Transfer of measurement. Keeping of data. Power ON/OFF. Metric/Inch transfer.
- Battery SR44.

Range	Graduation	Accuracy	Order No.
0-300mm/12”	.01mm/.0005”	+/-0.04	**621-7831**
0-450mm/18”	.01mm/.0005”	+/-0.05	**621-7832**
0-500mm/20”	.01mm/.0005”	+/-0.05	**621-7833**
0-600mm/24”	.01mm/.0005”	+/-0.05	**621-7834**

Electronic Digital Height Gage

- Feed wheel.
- Can easily measure the height of small parts.
- Display: Easy to read, large LCD display, 6 digit and minus sign(-)
- Resolution: 0.0005”/ 0.01mm
- Direct Inch/Metric conversion
- Functions inclue: Zero/On/Off setting, Hold button, ABS, Inch/mm conversion, TOL, Data output.
- Position lock, carbide scriber
- Accuracy: 0~200mm,+/-0.03mm;
  200~300mm,+/-0.004mm





Range	Grad.	Order No.
0-12”/0-300mm	0.0005”/0.01mm	**621-7843**
0-450mm/0-18"	0.0005”/0.01mm	**621-7845**
0-600mm/0-24"	0.0005”/0.01mm	**621-7847**

Optional Height Gage Component



Chrome Plated Saddle Base



Painted Saddle Base



Chrome Plated T- Base



Rotate Tighten Clamp



Screw Tighten Clamp

Please advise us if you prefer to certain type of bases or Clamps

Scribers & Clamps



Stainless Steel

Description	Scriber Order No.	Clamp Order No.
for 150mm/6” dial height gage	**621-A006**	**621-A106**
for 200mm/8” dial height gage	**621-A008**	**621-A108**
for 300mm/12” dial height gage	**621-A012**	**621-A112**
for 12-40” double beam counter	**621-D000**	**621-D010**
for 300mm/12” electronic double beam	**621-E012**	**621-E112**
for 450mm/18” electronic double beam	**621-E018**	**621-E118**
for 500mm/20” electronic double beam	**621-E020**	**621-E120**
for 600mm/24” electronic double beam	**621-E024**	**621-E124**
for 1000mm/40” electronic double beam	**621-E040**	**621-E140**
for 300mm/12” electrical digital	**621-G012**	**621-G112**
for 500mm/20” electrical digital	**621-G020**	**621-G120**
for 600mm/24” electrical digital	**621-G024**	**621-G124**
for 1000mm/40” electrical digital	**621-G040**	**621-G140**
for 800mm/32” three beam height gage	**621-T032**	**621-T132**
for 1000mm/40” three beam height gage	**621-T040**	**621-T140**
for 250mm/10” stainless steel vernier	**621-V010**	**621-V110**
for 300mm/12” stainless steel vernier	**621-V012**	**621-V112**
for 450mm/18” stainless steel vernier	**621-V018**	**621-V118**
for 500mm/20” stainless steel vernier	**621-V020**	**621-V120**
for 600mm/24” stainless steel vernier	**621-V024**	**621-V124**
for 1000mm/40” stainless steel vernier	**621-V040**	**621-V140**

Carbon Steel

Descriptions	Scriber Order No.	Clamp Order No.
for 250mm/10” carbon steel vernier	**622-V010**	**622-V110**
for 300mm/12” carbon steel vernier	**622-V012**	**622-V112**
for 450mm/18” carbon steel vernier	**622-V018**	**622-V118**
for 500mm/20” carbon steel vernier	**622-V020**	**622-V120**
for 600mm/24” carbon steel vernier	**622-V024**	**622-V124**
for 1000mm/40” carbon steel vernier	**622-V040**	**622-V140**

Test Indicator Holder

for Eletronic Digital Height Gage



Range	Order No.
Inch dovetail fit and 7/32" & 3/8" holes	**621-H006**
Metric dovetail fit and 4 & 8mm holes	**621-H016**
Square 9x9mmx75mm	**605-0017**

Outside Micrometers

- Deluxe heat insulated forged steel frame up to 6”.
- Tubular steel frame (6” and up).
- Complete with standards (2”and up).
- Carbide tipped anvils.
- Ratchet stop and lock nut for exact and repetitive reading.



Range	Grad.	Painted Order No.	Chrome-Plated Order No.
0-1/2	.001”		601-1001
0-1”	.001”	600-0001	601-0001
1-2”	.001”	600-0002	601-0002
2-3”	.001”	600-0003	601-0003
3-4”	.001”	600-0004	601-0004
4-5”	.001”	600-0015	601-0005
5-6”	.001”	600-0016	601-0006
6-7”	.001”	600-0017	601-0007
7-8”	.001”	600-0018	601-0008
8-9”	.001”	600-0009	
9-10”	.001”	600-0010	
10-11”	.001”	600-0011	
11-12”	.001”	600-0012	

Range	Grad.	Painted Order No.	Chrome-Plated Order No.
0-1”	.0001”	600-0111	601-0111
1-2”	.0001”	600-0112	601-0112
2-3”	.0001”	600-0113	601-0113
3-4”	.0001”	600-0114	601-0114
4-5”	.0001”	600-0125	601-0115
5-6”	.0001”	600-0126	601-0116
6-7”	.0001”	600-0127	601-0117
7-8”	.0001”	600-0128	601-0118
8-9”	.0001”	600-0119	
9-10”	.0001”	600-0210	
10-11”	.0001”	600-0211	
11-12”	.0001”	600-0212	

Range	Grad.	Painted Order No.	Chrome-Plated Order No.
0-25mm	.001mm	600-5025	601-5025
25-50mm	.001mm	600-5050	601-5050
50-75mm	.001mm	600-5075	601-5075
75-100mm	.001mm	600-5100	601-5100
0-13mm	.01mm		601-A013
0-25mm	.01mm	600-4025	601-4025
25-50mm	.01mm	600-4050	601-4050
50-75mm	.01mm	600-4075	601-4075
75-100mm	.01mm	600-4100	601-4100
100-125mm	.01mm	600-4125	601-4125
125-150mm	.01mm	600-4150	601-4150
150-175mm	.01mm	600-4175	601-4175
175-200mm	.01mm	600-4200	601-4200

Outside Micrometer Sets

Horizontal Packing

- Ratchet and lock nut.
- Complete with standards (2” and up).
- Carbide tipped anvils.
- Forged steel frame up to 6”.
- Tubular steel frame (6” and up).
- Supplied in fitted plastic case



Piece	Range	Grad.	Painted Order No.	Chrome-Plated Order No.	Grad.	Painted Order No.	Chrome-Plated Order No.
3Pcs/set	0-3”	.001”	600-1003	601-1003	.0001”	600-1013	601-1013
4Pcs/set	0-4”	.001”	600-1004	601-1004	.0001”	600-1014	601-1014

Piece	Range	Grad.	Painted Order No.	Chrome-Plated Order No.
3Pcs/set	0-75mm	.01mm	600-1023	601-1023
4Pcs/set	0-100mm	.01mm	600-1024	601-1024

Vertical Packing

- Ratchet and lock nut.
- Complete with standards (2” and up).
- Carbide tipped anvils.
- Forged steel frame up to 6”.
- Tubular steel frame (6” and up).
- Supplied in fitted case



Piece	Range	Grad.	Painted Order No.	Chrome-Plated Order No.	Grad.	Painted Order No.	Chrome-Plated Order No.
6Pcs/set	0-6”	.001”	600-1006	601-1006	.0001”	600-1016	601-1016
6Pcs/set	6-12”	.001”	600-1009		.0001”	600-1019	
12Pcs/set	0-12”	.001”	600-1012		.0001”	600-1122	

Piece	Range	Graduation	Painted Order No.	Chrome-Plated Order No.
6Pcs/set	0-150mm	.01mm	600-1026	601-1026
12Pcs/set	0-300mm	.01mm	600-1212	
4Pcs/set	100-200mm	.01mm	600-1126	
6Pcs/set	150-300mm	.01mm	600-1029	
4Pcs/set	200-300mm	.01mm	600-1129	

Slim Outside Micrometers

- Deluxe heat insulated forged steel frame up to 6”.
- Tubular steel frame (6”and up).
- Complete with standards (2”and up).
- Carbide tipped anvils.
- The new slim thimble design is comfortable to hold.
- Small size for one hand holding.



Range	Grad.	Painted Order No.	Chrome-Plated Order No.	Grad.	Painted Order No.	Chrome-Plated Order No.
0-1”	.001”	**6V0-0001**	**6V1-0001**	.0001”	**6V0-0111**	**6V1-0111**
1-2”	.001”	**6V0-0002**	**6V1-0002**	.0001”	**6V0-0112**	**6V1-0112**
2-3”	.001”	**6V0-0003**	**6V1-0003**	.0001”	**6V0-0113**	**6V1-0113**
3-4”	.001”	**6V0-0004**	**6V1-0004**	.0001”	**6V0-0114**	**6V1-0114**
4-5”	.001”	**6V0-0005**	**6V1-0005**	.0001”	**6V0-0115**	**6V1-0115**
5-6”	.001”	**6V0-0006**	**6V1-0006**	.0001”	**6V0-0116**	**6V1-0116**
6-7”	.001”.	**6V0-0007**	**6V1-0007**	.0001”	**6V0-0117**	**6V1-0117**
7-8”	.001”	**6V0-0008**	**6V1-0008**	.0001”	**6V0-0118**	**6V1-0118**
8-9”	.001”	**6V0-0009**		.0001”	**6V0-0119**	
9-10”	.001”	**6V0-0010**		.0001”	**6V0-0210**	
10-11”	.001”	**6V0-0011**		.0001”	**6V0-0211**	
11-12”	.001”	**6V0-0012**		.0001”	**6V0-0212**	

Range	Grad.	Painted Order No.	Chrome-plated Order No.
0-25mm	.001mm	**6V0-5025**	**6V1-5025**
25-50mm	.001mm	**6V0-5050**	**6V1-5050**
50-75mm	.001mm	**6V0-5075**	**6V1-5075**
75-100mm	.001mm	**6V0-5100**	**6V1-5100**
0-25mm	.01mm	**6V0-4025**	**6V1-4025**
25-50mm	.01mm	**6V0-4050**	**6V1-4050**
50-75mm	.01mm	**6V0-4075**	**6V1-4075**
75-100mm	.01mm	**6V0-4100**	**6V1-4100**
100-125mm	.01mm	**6V0-4125**	**6V1-4125**
125-150mm	.01mm	**6V0-4150**	**6V1-4150**
150-175mm	.01mm	**6V0-4175**	**6V1-4175**
175-200mm	.01mm	**6V0-4200**	**6V1-4200**
200-225mm	.01mm	**6V0-4225**	
225-250mm	.01mm	**6V0-4250**	
250-275mm	.01mm	**6V0-4275**	
275-300mm	.01mm	**6V0-4300**	

Slim Outside Micrometer Sets

Horizontal Packing

- Ratchet and lock nut.
- Complete with standards(2” and up)
- Carbide tipped anvils.



Piece	Range	Grad.	Painted Order No.	Chrome-Plated Order No.	Grad.	Painted Order No.	Chrome-Plated Order No.
3Pcs/set	0-3”	.001”	**6V0-1003**	**6V1-1003**	.0001”	**6V0-1013**	**6V1-1013**
4Pcs/set	0-4”	.001”	**6V0-1004**	**6V1-1004**	.0001”	**6V0-1014**	**6V1-1014**

Piece	Range	Grad.	Painted Order No.	Chrome-plated Order No.
3Pcs/set	0-75mm	.01mm	**6V0-1023**	**6V1-1023**
4Pcs/set	0-100mm	.01mm	**6V0-1024**	**6V1-1024**

Vertical Packing

- Ratchet and lock nut.
- Complete with standards(2” and up)
- Carbide tipped anvils.



Piece	Range	Grad.	Painted Order No.	Chrome-Plated Order No.	Grad.	Painted Order No.	Chrome-Plated Order No.
6Pcs/set	0-6”	.001”	**6V0-1006**	**6V1-1006**	.0001”	**6V0-1016**	**6V1-1016**
6Pcs/set	6-12”	.001”	**6V0-1009**		.0001”	**6V0-1019**	
12Pcs/set	0-12”	.001”	**6V0-1012**		.0001”	**6V0-1122**	

Piece	Range	Grad.	Painted Order No.	Chrome-plated Order No.
6Pcs/set	0-150mm	.01mm	**6V0-1026**	**6V1-1026**
6Pcs/set	150-300mm	.01mm	**6V0-1029**	
12Pcs/set	0-300mm	.01mm	**6V0-1212**	

Indicator Micrometers

- Carbide faces.
- Chrome-plated frame.
- Premium quality.
- Can be used as a Go/ No Go gage.





Type 1

Range	Graduation	Dial Scale	Order No.
0-1”	.00005”	-15~0~+15	**600-0501**
1-2”	.00005”	-15~0~+15	**600-0502**
0-25mm	.001mm	-40~0~+40	**600-0511**
25-50mm	.001mm	-40~0~+40	**600-0512**

Type2

Range	Graduation	Dial Scale	Order No.
0-1”	.00005”	-15~0~+15	**600-0521**
1-2”	.00005”	-15~0~+15	**600-0522**
0-25mm	.001mm	-40~0~+40	**600-0531**
25-50mm	.001mm	-40~0~+40	**600-0532**

Outside Micrometers

A-Type Outside Micrometers



Range	Grad.	Chrom-Plated Order No.
0-15mm	.01mm	**601-A013**
0-25mm	.01mm	**601-A025**
0-0.6"	.001"	**601-1001**
0-1"	.001"	**601-A001**
0-1"	.0001"	**601-A011**

B-Type Outside Micrometers



Range	Grad.	Chrom-Plated Order No.
0-25mm	.01mm	**601-B025**
0-25mm	.001mm	**601-B026**
0-1"	.001"	**601-B001**
0-1"	.0001"	**601-B011**

C-Type Outside Micrometers

- Ratchet stop.
- Complete with standards (2" and up).





Inch Individuals

Range	.001" Order No.	.0001" Order No.
0-1"	**600-C001**	**600-C011**
1-2"	**600-C002**	**600-C012**
2-3"	**600-C003**	**600-C013**
3-4"	**600-C004**	**600-C014**
4-5"		**600-C015**
5-6"		**600-C016**

Metric Individuals

Range	Grad.	Order No.
0-25mm	.01mm	**600-C025**
25-50mm	.01mm	**600-C050**
50-75mm	.01mm	**600-C075**
75-100mm	.01mm	**600-C100**
100-125mm	.01mm	**600-C125**
125-150mm	.01mm	**600-C150**

Inch Sets

Pcs/Set	Range	Grad.	Order No.
3	0-3"	.0001"	**600-C403**
4	0-4"	.0001"	**600-C404**
6	0-6"	.0001"	**600-C406**

Metric Sets

Pcs /set	Range	Grad.	Order No.
3	0-75mm	.01mm	**600-C303**
4	0-100mm	.01mm	**600-C304**
6	0-150mm	.01mm	**600-C306**

Parallax Free Outside Micrometers

- No parallax error sleeve scale.
- Ratchet friction thimble.



Range	Painted .0001" Order No.	Chrome-Plated .0001" Order No.	Chrome-Plated .00005" Order No.
0-1"	**600-9141**	**601-9141**	**601-9101**
1-2"	**600-9142**	**601-9142**	**601-9112**
2-3"	**600-9143**	**601-9143**	**601-9123**
3-4"	**600-9144**	**601-9144**	
4-5"	**600-9145**	**601-9145**	
5-6"	**600-9146**	**601-9146**	
6-7"	**600-9147**	**601-9147**	
7-8"	**600-9148**	**601-9148**	

Range	Grad.	Painted Order No.	Chrome- Plated Order No.
0-15mm	.002mm		**601-9140**
0-25mm	.001mm	**600-9130**	**601-9130**
25-50mm	.001mm	**600-9131**	**601-9131**
50-75mm	.001mm	**600-9132**	**601-9132**
75-100mm	.001mm	**600-9133**	**601-9133**
100-125mm	.001mm	**600-9134**	**601-9134**
125-150mm	.001mm	**600-9135**	**601-9135**
150-175mm	.001mm	**600-9136**	**601-9136**
175-200mm	.001mm	**600-9137**	**601-9137**

Digital Outside Micrometer Sets

- 0-3"(0-75mm) & 0-4"(0-100mm): Horizontal packing, 0-6"(0-150mm), 0-12"(0-300mm) & 6-12"(150-300mm): Vertical packing.



Piece	Range	Wooden Case .001" Order No.	Wooden Case .0001" Order No.	Plastic Case .0001" Order No.
3-pc set	0- 3"	**600-3203**		**600-3213**
4-pc set	0-4"	**600-3204**		**600-3214**
6-pc set	0-6"	**600-3206**	**600-3216**	
6-pc set	6-12"	**600-3207**	**600-3217**	
12-pc set	0-12"	**600-3208**	**600-3218**	

Piece	Range	Wooden Case .01mm Order No.	Plastic Case .01mm Order No.
3-pc set	0-75mm		**600-3275**
4-pc set	0-100mm		**600-3300**
6-pc set	0-150mm	**600-3350**	
6-pc set	150-300mm	**600-3355**	
12-pc set	0-300mm	**600-3360**	

Digital Outside Micrometers

- Ratchet stop.
- Carbide tipped anvils.
- Positive locking nut.
- Clear graduations on satin chrome finished thimble.



Range	.001" Order No.	.0001" Order No.
0-1"	**600-3001**	**600-3011**
1-2"	**600-3002**	**600-3012**
2-3"	**600-3003**	**600-3013**
3-4"	**600-3004**	**600-3014**
4-5"	**600-3005**	**600-3015**
5-6"	**600-3006**	**600-3016**
6-7"	**600-3007**	**600-3017**
7-8"	**600-3008**	**600-3018**
8-9"	**600-3009**	**600-3019**
9-10"	**600-3010**	**600-3020**
10-11"	**600-3111**	**600-3021**
11-12"	**600-3112**	**600-3022**

Range	.01mm Order No.	.001mm Order No.
0-25mm	**600-3025**	**601-9225**
25-50mm	**600-3050**	**601-9250**
50-75mm	**600-3075**	**601-9275**
75-100mm	**600-3100**	**601-9300**
100-125mm	**600-3125**	
125-150mm	**600-3150**	
150-175mm	**600-3175**	
175-200mm	**600-3200**	
200-225mm	**600-3225**	
225-250mm	**600-3250**	
250-275mm	**600-3270**	
275-300mm	**600-3272**	

Outside Micrometers

- Precise frame and big styles for direct and easy reading.
- Inside force-limited device for precise repeated reading.
- Adiabatic frame and one-hand high precision measuring for verity measurement.
- Carbide measuring faces for enduring stability.
- With ring-type knurled lock nut

NEW



Range	Graduation	Accuracy	Order No.
0-25mm	0.001mm	0.004mm	**600-0131**
25-50mm	0.001mm	0.004mm	**600-0132**
50-75mm	0.001mm	0.005mm	**600-0133**
75-100mm	0.001mm	0.005mm	**600-0144**



Range	Graduation	Accuracy	Order No.
100-150mm	0.001mm	0.006mm	**600-0145**
150-200mm	0.001mm	0.007mm	**600-0146**
200-250mm	0.001mm	0.007mm	**600-0147**
250-300mm	0.001mm	0.008mm	**600-0148**

Outside Micrometer

Chrome, Equivalent Chart

- Satin-chrome finish
- Carbide measuring faces
- Convertible "friction" to "feel" thimble sleeve
- Spindle locks are standard
- 1-2" and 3-3" moldels have inaulated frames



Range	Grad.	Order No.
0-1"	0.0001"	**601-0501**
1-2	0.0001	**601-0502**
0-25mm	0.01mm	**601-0525**
25-50	0.01	**601-0550**

Electronic Digital Outside Micrometers

2-Key Model

- LCD display.
- Carbide tipped anvils.
- Ratchet stop.
- Enamel finish for frame.
- Battery 1year life time.



Range	Graduation	Order No.
0-1"/0-25mm	.00005"/.001mm,	**600-8001**
1-2"/25-50mm	.00005"/.001mm,	**600-8002**
2-3"/50-75mm	.00005"/.001mm,	**600-8003**
3-4"/75-100mm	.00005"/.001mm,	**600-8004**

3-Key Model

- on/off
- Metric/inch conversion
- Origin resetting
- Data Output



Range	Graduation	Order No.
0-1"/0-25mm	.00005"/.001mm	**600-8025**
1-2"/25-50mm	.00005"/.001mm	**600-8026**
2-3"/50-75mm	.00005"/.001mm	**600-8027**
3-4"/75-100mm	.00005"/.001mm	**600-8028**

Electronic Digital Outside Micrometers

IP54,Water Proof

- The water proof digital outside micrometer's degree of protection is IP 54.
- Friction thimble.
- Zero setting at any position.
- Metric/Inch system conversion at any position.



2 Key

Range	Graduation	Order No.
0-1"/0-25mm	.000005"/.0001mm	**600-8051**
1-2"/25-50mm	.000005"/.0001mm	**600-8052**
2-3"/50-75mm	.000005"/.0001mm	**600-8053**
3-4"/75-100mm	.000005"/.0001mm	**600-8054**

3 Key

Range	Graduation	Order No.
0-1"/0-25mm	.00005"/.001mm	**600-8071**
1-2"/25-50mm	.00005"/.001mm	**600-8072**
2-3"/50-75mm	.00005"/.001mm	**600-8073**
3-4"/75-100mm	.00005"/.001mm	**600-8071**

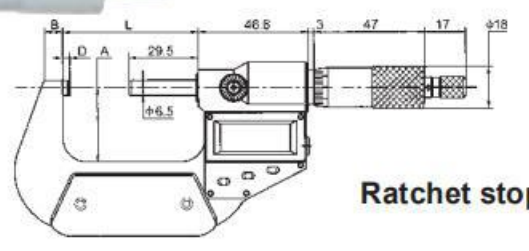
Ele. Digital Outside micrometers

IP54 & IP65, Water Proof

- Display data is origin data of absolute measurement after changing battery.
- Carbide measuring faces. Painted frame.
  Criterion: DIN863/1, DIN40050/IEC529.
- Resolution of digit: 0.001mm(Metric); 0.00005"(Inch).
  Resolution of micrometer heads: 0.01mm(Metric); 0.0001"(Inch).

NEW





Ratchet stop

Dimensions

Range					
Metric	Inch	A	L	B	D
0-25mm	0-1"	24.0mm	32.5mm	6mm	3.0mm
25-50mm	1-2"	32.0mm	57.5mm	8mm	3.0mm
50-75mm	2-3"	45.5mm	82.5mm	8mm	3.0mm
75-100mm	3-4"	57.0mm	107.5mm	8mm	3.0mm
100-125mm	4-5"	70.0mm	133.0mm	10mm	3.0mm
125-150mm	5-6"	82.0mm	158.5mm	10mm	3.0mm

Range	Accuracy	IP54 Order No.	Accuracy	IP65 Order No.
0-1"	0.004mm	**600-8141**	0.001mm	**600-8161**
1-2"	0.004mm	**600-8142**	0.001mm	**600-8162**
2-3"	0.005mm	**600-8143**	0.001mm	**600-8163**
3-4"	0.005mm	**600-8144**	0.002mm	**600-8164**
4-5"	0.006mm	**600-8145**	0.002mm	**600-8165**
5-6"	0.006mm	**600-8146**	0.002mm	**600-8166**

Range	Accuracy	IP54 Order No.	Accuracy	IP65 Order No.
0-25mm	0.002mm	**600-8091**	0.001mm	**600-8121**
25-50mm	0.002mm	**600-8092**	0.001mm	**600-8122**
50-75mm	0.003mm	**600-8093**	0.001mm	**600-8123**
75-100mm	0.003mm	**600-8094**	0.002mm	**600-8124**
100-125mm	0.003mm	**600-8095**	0.002mm	**600-8125**
125-150mm	0.003mm	**600-8096**	0.002mm	**600-8126**

Electronic Digital Outside Micrometer

2 Key Model

- Value presetting.
- The ratchet stop still works even with one hand operation, while regular micrometers don't.
- Absolute and incremental measurement mode switching.
- Less buttons and multi-function.



B-Type

Range	Graduation	Order No.
0-1"/25mm	.00005"/.001mm	**600-8055**
1-2"/25-50mm	.00005"/.001mm	**600-8056**
2-3"/50-75mm	.00005"/.001mm	**600-8057**
3-4"/75-100mm	.00005"/.001mm	**600-8058**



C-Type

Range	Graduation	Order No.
0-1"/25mm	.00005"/.001mm	**600-8061**
1-2"/25-50mm	.00005"/.001mm	**600-8062**
2-3"/50-75mm	.00005"/.001mm	**600-8063**
3-4"/75-100mm	.00005"/.001mm	**600-8064**
4-5"/100-25mm	.00005"/.001mm	**600-8065**
5-6"/125-150mm	.00005"/.001mm	**600-8066**

Electronic Digital Outside Micrometer

2 Key Model

- Large LCD display.
- Zero setting at any posistion.
- mm/ABS/INC conversion.
- Manual power on/off.



Range	Grad.	Order No.
0-1"/25mm	0.0005"/0.01mm	**600-8081**
1-2"/25-50mm	0.0005"/0.01mm	**600-8082**

Electronic Outside Micrometers

5 Key Model

- 5 keys Positive-designed electronic micrometer head.
- Large LCD.
- Absolute and incremental conversion.
- Friction thimble (Ratchet friction thimble available).
- Data holding and Tolerance setting.
- SPC output.



Range	Graduation	Order No.
0-1"/0-25mm	.00005"/.001mm	**600-8005**
1-2"/25-50mm	.00005"/.001mm	**600-8006**
2-3"/50-75mm	.00005"/.001mm	**600-8007**
3-4"/75-100mm	.00005"/.001mm	**600-8008**
4-5"/100-125mm	.00005"/.001mm	**600-8015**
5-6"/125-150mm	.00005"/.001mm	**600-8016**
6-7"/150-175mm	.00005"/.001mm	**600-8017**
7-8"/175-200mm	.00005"/.001mm	**600-8018**
8-9"/200-225mm	.00005"/.001mm	**600-8019**
9-10"/225-250mm	.00005"/.001mm	**600-8020**
10-11"/250-275mm	.00005'/.001mm	**600-8021**
11-12"/275-300mm	.00005"/.001mm	**600-8022**

7 Key Model

- Auto power on/off.
- Data hold function.
- Relative and absolute measurement.
- Ratchet stop.
- Tolerance setting functions.
- Zero setting at any position.



Range	Graduation	Order No.
0-1"/0-25mm	.00005"/.001mm	**600-8031**
1-2"/25-50mm	.00005"/.001mm	**600-8032**
2-3"/50-75mm	.00005"/.001mm	**600-8033**
3-4"/75-100mm	.00005"/.001mm	**600-8034**
4-5"/100-125mm	.00005"/.001mm	**600-8035**
5-6"/125-150mm	.00005"/.001mm	**600-8036**
6-7"/150-175mm	.00005"/.001mm	**600-8037**
7-8"/175-200mm	.00005"/.001mm	**600-8039**

Interchangeable Anvil Outside Micrometers

12”/300 Lower Range Model

- Enamel frame.
- Packed standards in a fitted case.
- Ratchet stop and lock nut.
- High accuracy interchangeable measuring anvils.
- Carbide measuring anvils .
- Laser engraved graduations.

Replacement Anvil

Range	Order No.
1”	**600-0021**
2”	**600-0022**
3”	**600-0023**
4”	**600-0024**
5”	**600-0025**



Range	Grad.	Order No.
0-2”	.001”	**600-9412**
2-4”	.001”	**600-9417**
2-6”	.001”	**600-9418**
0-4”	.001”	**600-9414**
4-8”	.001’	**600-9419**
0-6”	.001”	**600-9416**
6-12”	.001”	**600-9300**
8-12”	.001”	**600-9410**

Range	Grad.	Order No.
0-50mm	.01mm	**600-9403**
50-100mm	.01mm	**600-9405**
50-150mm	.01mm	**600-9409**
0-150mm	.01mm	**600-9406**
150-300mm	.01mm	**600-9000**
0-100mm	.01mm	**600-9404**
100-200mm	.01mm	**600-9407**
200-300mm	.01mm	**600-9408**
200-250mm	.01mm	**600-9021**
250-300mm	.01mm	**600-9022**

12”/300mm Upper Range Model

- Pipe combined steel frame provides lightness plus extreme rigidity for perfect balance.
- With standards in a fitted case.
- Carbide measuring faces.
- Ratchet stop and lock nut.



Range	Grad.	Order No.
12-16”	.001”	**600-9301**
16-20”	.001”	**600-9302**
20-24”	.001”	**600-9303**
24-28”	.001”	**600-9304**
28-32”	.001”	**600-9305**
32-36”	.001”	**600-9306**
36-40”	.001”	**600-9307**

Range	Grad.	Order No.
300-400mm	.01mm	**600-9001**
400-500mm	.01mm	**600-9002**
500-600mm	.01mm	**600-9003**
600-700mm	.01mm	**600-9004**
700-800mm	.01mm	**600-9005**
800-900mm	.01mm	**600-9006**
900-1000mm	.01mm	**600-9007**

Electronic Interchangeable Anvil Micrometers

12”/300Lower Range Model

- Friction thimble (ratchet friction thimble available).
- With 5 keys Deluxe Model micrometer head.
- Painted frame.



Range	Graduation	Order No.
0-2”/0-50mm	0.00005”/0.001mm	**600-9421**
2-4”/50-100mm	0.00005”/0.001mm	**600-9424**
0-4”/0-100mm	0.00005”/0.001mm	**600-9422**
4-8”/100-200mm	0.00005”/0.001mm	**600-9425**
0-6”/0-150mm	0.00005”/0.001mm	**600-9423**
6-12”/150-300mm	0.00005”/0.001mm	**600-9426**
8-12”/200-300mm	0.00005”/0.001mm	**600-9427**

12”/300mm Upper Range Model

- 7keys Positive-designed electronic micrometer head.
- Large and clear LCD.



Range	Graduation	Order No.
12-16”/300-400mm	0.00005”/0.001mm	**600-9321**
16-20”/400-500mm	0.00005”/0.001mm	**600-9322**
20-24”/500-600mm	0.00005”/0.001mm	**600-9323**
24-28”/600-700mm	0.00005”/0.001mm	**600-9324**
28-32”/700-800mm	0.00005”/0.001mm	**600-9325**
32-36”/800-900mm	0.00005”/0.001mm	**600-9326**
36-40”/900-1000mm	0.00005”/0.001mm	**600-9327**

Specialty Micrometers

Adjustable Anvil Micrometers

- High accuracy standaed collars enable that reading does not have to be reset when changing collars.
- Standard collars:25mm/1", 50mm/2" (within 1000mm/40"); 50mm/2", 100mm/4",(over 1000mm/40").
- Carbide tipped anvils,painted frame.
- Pipe combined frame for light weight and high rigidity.



Range	Grad.	Order No.
12-16"	.001"	**600-9901**
16-20"	.001"	**600-9902**
20-24"	.001"	**600-9903**
24-28"	.001"	**600-9904**
28-32"	.001"	**600-9905**
32-36"	.001"	**600-9906**
36-40"	.001"	**600-9907**
40-48"	.001'	**600-9308**
18-56"	.001"	**600-9309**
56-64"	.001"	**600-9310**
64-72"	.001"	**600-9311**
72-80"	.001"	**600-9312**
80-88"	.001"	**600-9313**
88-96"	.001"	**600-9314**
96-104"	.001"	**600-9315**
104-112"	.001"	**600-9316**
112-120"	.001"	**600-9317**

Range	Grad.	Order No.
300-400mm	.01mm	**600-9801**
400-500mm	.01mm	**600-9802**
500-600mm	.01mm	**600-9803**
600-700mm	.01mm	**600-9804**
700-800mm	.01mm	**600-9805**
800-900mm	.01mm	**600-9806**
900-1000mm	.01mm	**600-9807**
1000-1200mm	.01mm	**600-9008**
1200-1400mm	.01mm	**600-9009**
1400-1600mm	.01mm	**600-9010**
1600-1800mm	.01mm	**600-9011**
1800-2000mm	.01mm	**600-9012**
2000-2200mm	.01mm	**600-9013**
2200-2400mm	.01mm	**600-9014**
2400-2600mm	.01mm	**600-9015**
2600-2800mm	.01mm	**600-9016**
2800-3000mm	.01mm	**600-9017**

Multi-Anvil Micrometers

- Chrome-Plated frame.
- Carbide-tipped spindle.
- Friction thimble for exact repetitive readings.
- Interchangeable anvils permit quick accurate measurement of tubing, cylindrical walls, from a hole or slot to an edge, and manyhard-to-reach locations.



Accessories

Name	Order No.
Flat Anvil	**600-0801**
Rod Anvil	**600-0802**

Range	.001" Order No.	.0001" Order No.
0-1"	**600-1501**	**600-1511**
1-2"	**600-1502**	**600-1512**

Range	Graduation	Order No.
0-25mm	.01mm	**600-1525**
25-50mm	.01mm	**600-1550**

Electronic Multi-Anvil Micrometers

- Chrome-Plated frame.
- With 5 keys deluxe model micrometer head.



Range	Graduation	Order No.
0-1"/0-25mm	0.00005"/0.001mm	**600-1521**
1-2"/25-50mm	0.00005"/0.001mm	**600-1522**

Quick Feeding Outside Micrometers

- Quick feeding.
- Carbide measuring faces.
- Positive locking clamp.
- Ratchet friction thimble (ratchet stop available).



Range	Grad.	Painted Order No.	Chrome-Plated Order No.
0-1"	.0005"	**600-8201**	**601-8201**
1-2"	.0005"	**600-8202**	**601-8202**
2-3"	.0005"	**600-8203**	**601-8203**
3-4"	.0005"	**600-8204**	**601-8204**
4-5"	.0005"	**600-8205**	**601-8205**
5-6"	.0005"	**600-8206**	**601-8206**
6-7"	.0005"	**600-8207**	**601-8207**
7-8"	.0005"	**600-8208**	**601-8208**

Range	Grad.	Painted Order No.	Chrome-Plated Order No.
0-25mm	.01mm	**600-8221**	**601-8221**
25-50mm	.01mm	**600-8222**	**601-8222**
50-75mm	.01mm	**600-8223**	**601-8223**
75-100mm	.01mm	**600-8224**	**601-8224**
100-125mm	.01mm	**600-8225**	**601-8225**
125-150mm	.01mm	**600-8226**	**601-8226**
150-175mm	.01mm	**600-8227**	**601-8227**
175-200mm	.01mm	**600-8228**	**601-8228**

Screw Thread Outside Micrometers

- Either 60° or 55° V-Anvil and conical spindle are made of high-grade special steel.
- Ratchet friction thimble (ratchet stop or friction thimble available).
- Laser engraved graduations.
- Enamel frame.



Range	Anvils	.001" Order No.	Anvils	.0001" Order No.
0-1"	5	**600-7801**	5	**600-7811**
1-2"	5	**600-7802**	5	**600-7812**
2-3"	4	**600-7803**	4	**600-7813**
3-4"	4	**600-7804**	4	**600-7814**
4-5"	3	**600-7805**	6	**600-7815**
5-6"	3	**600-7806**	6	**600-7816**

Range	Grad.	Anvils	Order No.
0-25mm	0.01mm	5	**600-8825**
25-50mm	0.01mm	5	**600-8850**
50-75mm	0.01mm	4	**600-8875**
75-100mm	0.01mm	4	**600-8900**
100-125mm	0.01mm	3	**600-8925**
125-150mm	0.01mm	3	**600-8950**

Disc Brake Micrometers

- For measuring the depth of grooves on the Disc Brake.
- Carbide measuring face with 60 degree point.
- Ratchet stop (friction thimble or ratchet friction thimble avaible)



Range	Graduation	Order No.
1-2"	.0001"	**600-7080**
.3-1.3"	.0001"	**600-7099**

Range	Graduation	Order No.
7.6-33mm	.01mm	**600-7082**
25-50mm	.01mm	**600-7084**

Digital Disc Brake Micrometers

- To measure the depth of grooves on the disc brake.
- Carbide tipped measuring faces.
- Metric/Inch system conversion at any position.
- Zero setting at any position.
- With data output interface.



Range	Graduation	Accuracy	Order No.
.3-1.3"/7.6-33mm	.00005"/.0001mm	+/-.004mm	**600-7092**
1-2"/25-50mm	.00005"/.0001mm	+/-.004mm	**600-7094**

Electronic Deep Throat Micrometer

Main Features:

- Fast sliding scale for quick measurements
- Easy to read large digital display
- Easy to hold - ergonomic finger grip
- Cast aluminum frame - rugged and lightweight
- Includes Heavy Duty Molded Plastic Case
- Inch/Metric conversion
- On/Off Buttons
- Zero setting

NEW



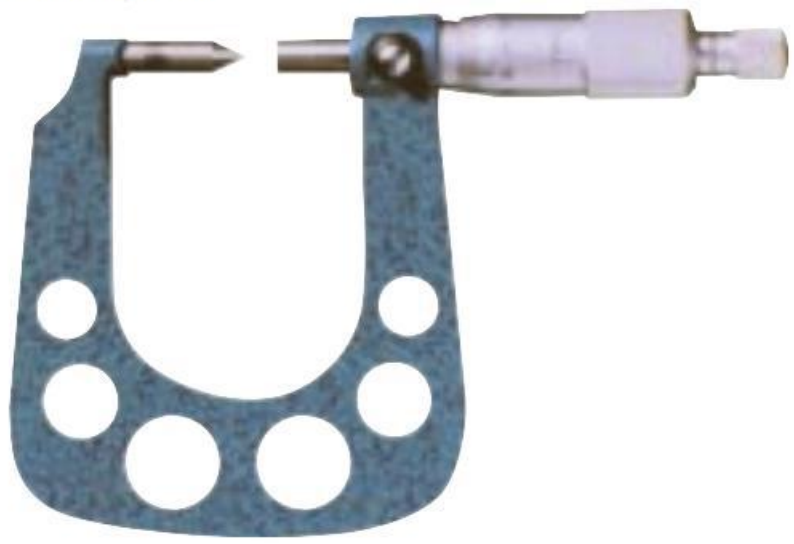
Specification:

Measuring range: 0-2.6"(66mm)
Max measuring depth: 3-1/8"
Resolution: 0.0005"/0.01mm
Accuracy: 0.001"/0.02mm

Order No. 600-6701

Disc Brake Micrometers

- To measure the depth of grooves on the disc brake.
- Carbide tipped measuring faces.



Range	Graduation	Order No.
1-2"	.0001"	**600-7102**
.3-1.3"	.0001"	**600-7104**

Range	Graduation	Order No.
7.6-33mm	.001mm	**600-7105**
25-50mm	.001mm	**600-7110**
7.6-33mm	.01mm	**600-7115**
25-50mm	.01mm	**600-7120**

Universal Micrometers

- Enamel frame.
- Positive lever locking nut.
- Laser engraved graduations.
- Ratchet friction thimble.
- 7 pairs of interchangeable anvils (flat, spherical, spline, disk, blade, Point and knife-edge) for a wide range of applications.



Range	Grad.	Order No.	Grad.	Order No.
0-1"	.001"	**600-1551**	.0001"	**600-1561**
1-2"	.001"	**600-1552**	.0001"	**600-1562**
2-3"	.001"	**600-1553**	.0001"	**600-1563**
3-4"	.001"	**600-1554**	.0001"	**600-1564**
4-5"	.001"	**600-1555**	.0001"	**600-1565**
5-6"	.001"	**600-1556**	.0001"	**600-1566**
6-7"	.001"	**600-1557**	.0001"	**600-1567**
7-8"	.001"	**600-1558**	.0001"	**600-1568**

Range	Graduation	Order No.
0-25mm	.01mm	**600-1531**
25-50mm	.01mm	**600-1532**
50-75mm	.01mm	**600-1533**
75-100mm	.01mm	**600-1534**
100-125mm	.01mm	**600-1535**
125-150mm	.01mm	**600-1536**
150-175mm	.01mm	**600-1537**
175-200mm	.01mm	**600-1538**

Electronic Universal Micrometers

- Friction thimble (ratchet friction thimble available).
- Chrome-plated frame.
- With 5 keys Deluxe Model micrometer head.



Range	Graduation	Order No.
0-1”/0-25mm	0.00005”/0.001mm	**600-1541**
1-2”/25-50mm	0.00005”/0.001mm	**600-1542**
2-3”/50-75mm	0.00005”/0.001mm	**600-1543**
3-4”/75-100mm	0.00005”/0.001mm	**600-1544**
4-5”/100-125mm	0.00005”/0.001mm	**600-1545**
5-6”/125-150mm	0.00005”/0.001mm	**600-1546**
6-7”/150-175mm	0.00005”/0.001mm	**600-1547**
7-8”/175-200mm	0.00005”/0.001mm	**600-1548**

V-Anvil Micrometers

- Measuring diameter of cylinder with an odd number flutes such as tapss,reamers and end mills.
- Ratchet stop (friction thimble or ratchet friction thimble available).
- Laser engraved graduations.
- Enamel frame.



60° V-Anvil micrometer 3 flute

Range	Graduation	Order No.
.04 to .6”	.001”	**600-9111**
.2 to .8”	.001”	**600-9112**
.8 to 1.4”	.001”	**600-9113**
1.4 to 2”	.001”	**600-9114**
2 to 2.6”	.001”	**600-9115**
2.6 to 3.2”	.001”	**600-9116**

Range	Graduation	Order No.
1-15mm	.01mm	**600-9101**
5-20mm	.01mm	**600-9102**
20-35mm	.01mm	**600-9103**
35-50mm	.01mm	**600-9104**
50-65mm	.01mm	**600-9105**
65-80mm	.01mm	**600-9106**

108° V-Anvil micrometer 5 flute

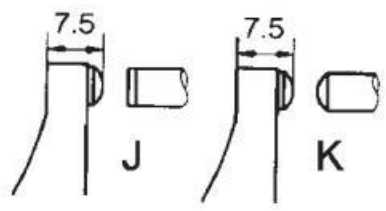
Range	Graduation	Order No.
.2 to 1”	.001”	**600-9117**
1 to 1.8”	.001”	**600-9118**
1.8 to 2.6”	.001”	**600-9119**
2.6 to 3.4”	.001”	**600-9120**

Range	Graduation	Order No.
5-25mm	.01mm	**600-9107**
25-45mm	.01mm	**600-9108**
45-65mm	.01mm	**600-9109**
65-85mm	.01mm	**600-9110**

Tubing Micrometers

- Enamel frame.
- Carbide-tipped spherical anvil.
- Ratchet stop (friction thimble or ratchet friction thimble available).





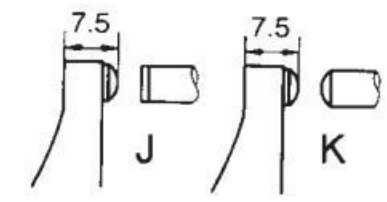
Range	Anvil Type J .001” Order No.	Anvil Type J .0001” Order No.	Anvil Type K .001” Order No.	Anvil Type K .0001” Order No.
0-1”	**600-7644**	**600-7701**	**600-7660**	**600-7670**
1-2”	**600-7645**	**600-7702**	**600-7661**	**600-7671**
2-3”	**600-7646**	**600-7703**	**600-7662**	**600-7672**
3-4”	**600-7647**	**600-7704**	**600-7663**	**600-7673**

Range	Grad.	Anvil Type J Order No.	Anvil Type K Order No.
0-25mm	.01mm	**600-7725**	**600-7685**
25-50mm	.01mm	**600-7750**	**600-7686**
50-75mm	.01mm	**600-7775**	**600-7687**
75-100mm	.01mm	**600-7800**	**600-7688**

Electronic Tubing Micrometers

- Chrome-plated frame.
- Friction thimble (ratchet friction thimble available).
- With 5 keys Deluxe Model micrometer head.



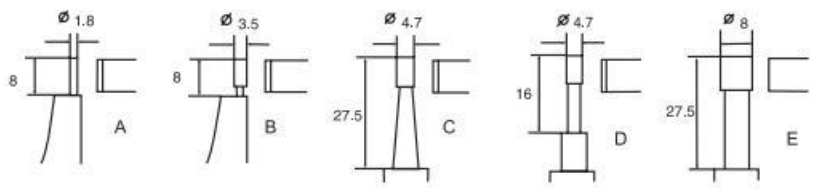


Range	Graduation	Anvil Type J Order No.	Anvil Type K Order No.
0-1”/0-25mm	.00005”/0.001mm	**600-7611**	**600-7615**
1-2”/25-50mm	.00005”/0.001mm	**600-7612**	**600-7616**
2-3”/50-75mm	.00005”/0.001mm	**600-7613**	**600-7617**
3-4”/75-100mm	.00005”/0.001mm	**600-7614**	**600-7618**

Tubing Micrometers

- For measuring thickness of various tubes.
- Ratchet stop.
- Carbide-tipped spindle.
- Different diameter on fixed anvils.
- Laser engraved graduations.
- Enamel frame.





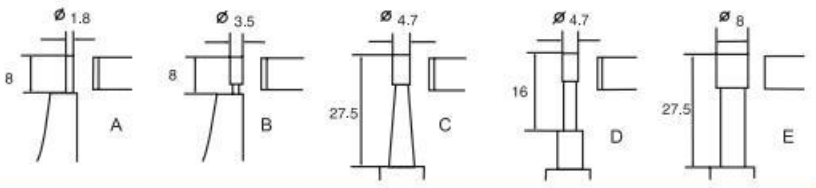
Range	Anvils Type	Grad.	Order No.	Grad.	Order No.
0-1"	A	.001"	**600-7632**	.0001"	**600-7626**
1-2"	A	.001"	**600-7635**	.0001"	**600-7629**
0-1"	B	.001"	**600-7633**	.0001"	**600-7627**
1-2"	B	.001"	**600-7636**	.0001"	**600-7630**
0-1"	C	.001"	**600-7634**	.0001"	**600-7628**
1-2"	C	.001"	**600-7637**	.0001"	**600-7631**
0-1"	D	.001"	**600-7640**	.0001"	**600-7650**
1-2"	D	.001"	**600-7641**	.0001"	**600-7651**
0-1"	E	.001"	**600-7642**	.0001"	**600-7652**
1-2"	E	.001"	**600-7643**	.0001"	**600-7653**

Range	Anvils Type	Grad.	Order No.
0-25mm	A	.01mm	**600-7620**
25-50mm	A	.01mm	**600-7623**
0-25mm	B	.01mm	**600-7621**
25-50mm	B	.01mm	**600-7624**
0-25mm	C	.01mm	**600-7622**
25-50mm	C	.01mm	**600-7625**
0-25mm	D	.01mm	**600-7664**
25-50mm	D	.01mm	**600-7665**
0-25mm	E	01mm	**600-7666**
25-50mm	E	.01mm	**600-7667**

Electronic Tubing Micrometers

- Chrome-plated frame.
- Friction thimble (ratchet friction thimble available).
- With 5 keys Deluxe Model micrometer head.

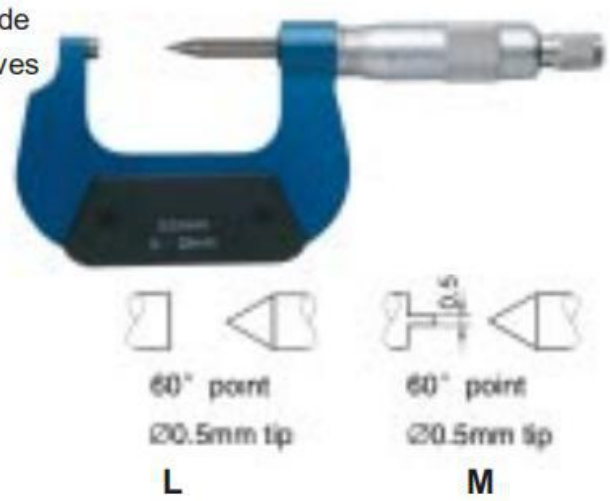




Range	Anvils Type	Graduation	Order No.
0-1"/0-25mm	A	0.00005"/0.001mm	**600-7690**
1-2"/25-50mm	A	0.00005"/0.001mm	**600-7691**
0-1"/0-25mm	B	0.00005"/0.001mm	**600-7692**
1-2"/25-50mm	B	0.00005"/0.001mm	**600-7693**
0-1"/0-25mm	C	0.00005"/0.001mm	**600-7694**
1-2"/25-50mm	C	0.00005"/0.001mm	**600-7695**
0-1"/0-25mm	D	0.00005"/0.001mm	**600-7696**
1-2"/25-50mm	D	0.00005"/0.001mm	**600-7697**
0-1"/0-25mm	E	0.00005"/0.001mm	**600-7698**
1-2"/25-50mm	E	0.00005"/0.001mm	**600-7699**

Single Point Micrometers

- Pointed Spindle and Flat or blade anvil for measuring drills,grooves and hard-to-reach dimensions.
- Enamel frame.
- Designed to measure the small recess of an electrical wire connector.
- 60° conical spindle.
- Laser engraved graduations.
- Positive lever locking clamp.



Anvil Type M

Range	Grad.	Order No.	Range	Grad.	Order No.
0-1"	.0001"	**600-6680**	0-25mm	.01mm	**600-6671**

Anvil Type L

Range	.001" Order No.	.0001" Order No.
0-1"	**600-6651**	**600-6661**
1-2"	**600-6652**	**600-6662**
2-3"	**600-6653**	**600-6663**
3-4"	**600-6654**	**600-6664**
4-5"	**600-7305**	**600-7315**
5-6"	**600-7306**	**600-7316**

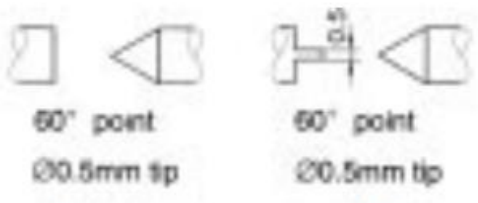
Anvil Type L

Range	Grad.	Order No.
0-25mm	.01mm	**600-6641**
25-50mm	.01mm	**600-6642**
50-75mm	.01mm	**600-6643**
75-100mm	.01mm	**600-6644**
100-125mm	.01mm	**600-7329**
125-150mm	.01mm	**600-7330**

Electronic Single Point Micrometers

- Friction thimble (ratchet friction thimble available).
- Chrome-plated frame.
- With 5 keys micrometer head.
- Graduation .00005"/.001mm.





Range	Anvil Type L Order No.	Anvil Type M Order No.
0-1"/0-25mm	**600-6691**	**600-6690**
1-2"/25-50mm	**600-6692**	
2-3"/50-75mm	**600-6693**	
3-4"/75-100mm	**600-6694**	

Point Micrometers

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimentions.
- Spindle made of special steel to ensure high precision and stability.
- Inside force-limited device for precise repeated reading.
- With ring-type knurled lock nut

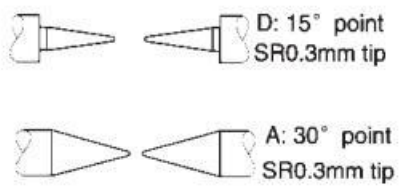
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Range	Graduation	Accuracy	Order No.
0-25mm	0.001mm	0.004mm	**600-6711**
25-50mm	0.001mm	0.004mm	**600-6712**
50-75mm	0.001mm	0.004mm	**600-6713**
75-100mm	0.001mm	0.005mm	**600-6714**

Point Micrometers

- Designed to measure small grooves keywags and other hard-to-reach diameters.
- Enamel frame.
- Positive lever locking clamp.





Range	Grad.	30° Point Order No.	Grad.	30° Point Order No.	15° Point Order No.
0-1"	.001"	**600-6601**	.0001"	**600-6611**	**600-6681**
1-2"	.001"	**600-6602**	.0001"	**600-6612**	**600-6682**
2-3"	.001"	**600-6603**	.0001"	**600-6613**	**600-6683**
3-4"	.001"	**600-6604**	.0001"	**600-6614**	**600-6684**

Range	Grad.	30° Point Order No.	15° Point Order No.
0-25mm	.01mm	**600-6631**	**600-6676**
25-50mm	.01mm	**600-6632**	**600-6677**
50-75mm	.01mm	**600-6633**	**600-6678**
75-100mm	.01mm	**600-6634**	**600-6679**

Electronic Point Micrometers

- Friction Thimble (ratchet friction thimble available).
- Chrome-plated frame.
- With 5 keys Deluxe Model micrometer head.



Range	Graduation	Order No.
0-1"/0-25mm	0.00005"/0.001mm	**600-6621**
1-2"/25-50mm	0.00005"/0.001mm	**600-6622**
2-3"/50-75mm	0.00005"/0.001mm	**600-6623**
3-4"/75-100mm	0.00005"/0.001mm	**600-6624**

Electronic Spline Micrometers

- Friction thimble (Ratchet friction thimble available).
- Chrome-plated frame.
- With 5 keys Deluxe Model micrometer head.
- Graduation: .00005"/.001mm



Range	Measuring tip ϕ2x5mm Order No.	Measuring tip ϕ3x5mm Order No.
0-1"/0-25mm	**600-1361**	**600-1371**
1-2"/25-50mm	**600-1362**	**600-1372**
2-3"/50-75mm	**600-1363**	**600-1373**
3-4"/75-100mm	**600-1364**	**600-1374**
4-5"/100-125mm	**600-1365**	**600-1375**
5-6"/125-150mm	**600-1366**	**600-1376**
6-7"/150-175mm	**600-1367**	**600-1377**

Spline Micrometers

- Ideal for measuring splines,slots and keyways .
- Enamel frame.
- Carbide tipped anvils.
- Laser engraved graduations.
- Ratchet stop (friction thimble or ratchet friction thimble available).



Tip 2x5mm

Range	.001" Order No.	.0001" Order No.
0-1"	**600-1301**	**600-1311**
1-2"	**600-1302**	**600-1312**
2-3"	**600-1303**	**600-1313**
3-4"	**600-1304**	**600-1314**
4-5"	**600-1305**	**600-1315**
5-6"	**600-1306**	**600-1316**
6-7"	**600-1307**	**600-1317**

Tip 3x10mm

Range	.001" Order No.	.0001" OrderNo.
0-1"	**600-1341**	**600-1351**
1-2"	**600-1342**	**600-1352**
2-3"	**600-1343**	**600-1353**
3-4"	**600-1344**	**600-1354**
4-5"	**600-1345**	**600-1355**
5-6"	**600-1346**	**600-1356**
6-7"	**600-1347**	**600-1357**

Range	Grad.	Tip 2x5mm Order No.	Tip 3x10mm Order No.
0-25mm	.01mm	**600-1321**	**600-1331**
25-50mm	.01mm	**600-1322**	**600-1332**
50-75mm	.01mm	**600-1323**	**600-1333**
75-100mm	.01mm	**600-1324**	**600-1334**
100-125mm	.01mm	**600-1325**	**600-1335**
125-150mm	.01mm	**600-1326**	**600-1336**
150-175mm	.01mm	**600-1327**	**600-1337**

Sheet Metal Micrometers

- For measuring thickness of sheet metal, paper plastic and rubber taparts especially for a hot metlal sheet.
- With a dial.
- Carbide tipped anvils.



Range	Grad.	Depth of Throat	Order No.
0-0.6"	0.001"	50mm	**600-1771**
0-1"	0.001"	50mm	**600-1772**
0-1"	0.001"	100mm	**600-1773**
0-1"	0.001"	150mm	**600-1774**
1-2"	0.001"	50mm	**600-1775**

Range	Grad.	Depth of Throat	Order No.
0-15mm	0.01mm	50mm	**600-1745**
0-25mm	0.01mm	50mm	**600-1755**
0-25mm	0.01mm	100mm	**600-1756**
0-25mm	0.01mm	150mm	**600-1757**
25-50mm	0.01mm	50mm	**600-1766**

Disc Micrometers

- Non-Rotating or Rotating Spindle.
- Disk for measuring gears and thickness of paper.
- Ratchet stop (friction thimble or ratchet friction thimble available).



Non-rotating Spindle Type

Range	.001" Order No.	.0001" Order No.
0-1"	600-7031	600-7041
1-2"	600-7032	600-7042
2-3"	600-7033	600-7043
3-4"	600-7034	600-7044
4-5"	600-7035	600-7045
5-6"	600-7036	600-7046
6-7"	600-7037	600-7047
7-8"	600-7038	600-7048

Rotating Spindle Type

Range	.001" Order No.	.0001" Order No.
0-1"	600-7001	600-7011
1-2"	600-7002	600-7012
2-3"	600-7003	600-7013
3-4"	600-7004	600-7014
4-5"	600-7005	600-7015
5-6"	600-7006	600-7016
6-7"	600-7007	600-7017
7-8"	600-7008	600-7018

Range	Grad.	Non-Rotating Order No.	Rotating Order No.
0-25mm	.01mm	600-7051	600-7021
25-50mm	.01mm	600-7052	600-7022
50-75mm	.01mm	600-7053	600-7023
75-100mm	.01mm	600-7054	600-7024
100-125mm	.01mm	600-7055	600-7025
125-150mm	.01mm	600-7056	600-7026
150-175mm	.01mm	600-7057	600-7027
175-200mm	.01mm	600-7058	600-7028

Disc Micrometers

- With ring-type knurled lock nut

NEW



Range	Graduation	Accuracy	Order No.
0-25mm	0.001mm	0.004mm	600-7061
25-50mm	0.001mm	0.004mm	600-7062
50-75mm	0.001mm	0.004mm	600-7063
75-100mm	0.001mm	0.005mm	600-7064

Digital Disc Micrometers

- With disc measuring faces, easy to obtain the dimensions of gear tooth span.
- Metric/Inch system conversion at any position.
- Zero setting at any position.
- With data output interface.



Range (Inch/mm)	Graduation (Inch/mm)	Accuracy (mm)	Order No.
0-1"/0-25	0.00005"/0.001	+/-4μm	600-7221
1-2/25-50	0.00005"/0.001	+/-5μm	600-7222
2-3"/50-70	0.00005"/0.001	+/-6μm	600-7223
3-4'/75-100	0.00005"/0.001	+/-6μm	600-7224

Digital Electronic Disc Micrometers

- Friction thimble (ratchet friction thimble available).
- Chrome-plated frame.
- With 5 keys deluxe model micrometer head.



Non-rotating Spindle Type

Range	Grad.	Order No.
0-1"/0-25mm	0.00005"/.001mm	600-7211
1-2"/25-50mm	0.00005"/.001mm	600-7212
2-3"/50-75mm	0.00005"/.001mm	600-7213
3-4"/75-100mm	0.00005"/.001mm	600-7214
4-5"/100-125mm	0.00005"/.001mm	600-7215
5-6"/125-150mm	0.00005"/.001mm	600-7216
6-7"/150-175mm	0.00005"/.001mm	600-7217
7-8"/175-200mm	0.00005"/.001mm	600-7218

Rotating Spindle Type

Range	Grad.	Order No.
0-1"/0-25mm	0.00005"/.001mm	600-7201
1-2"/25-50mm	0.00005"/.001mm	600-7202
2-3"/50-75mm	0.00005"/.001mm	600-7203
3-4"/75-100mm	0.00005"/.001mm	600-7204
4-5"/100-125mm	0.00005"/.001mm	600-7205
5-6"/125-150mm	0.00005"/.001mm	600-7206
6-7"/150-175mm	0.00005"/.001mm	600-7207
7-8"/175-200mm	0.00005"/.001mm	600-7208

Blade Micrometers

- No-rotating spindle.
- Laser engraved graduations.
- Rathcet friction thimble (friction thimble or ratchet stop available).
- Enamel frame.



Range	.001" Order No.	.0001" Order No.
0-1"	600-1801	600-1811
1-2"	600-1802	600-1812
2-3"	600-1803	600-1813
3-4"	600-1804	600-1814
4-5"	600-1805	600-1815
5-6"	600-1806	600-1816
6-7"	600-1807	600-1817

Range	Grad.	Order No.
0-25mm	.01mm	600-1831
25-50mm	.01mm	600-1832
50-75mm	.01mm	600-1833
75-100mm	.01mm	600-1834
100-125mm	.01mm	600-1835
125-150mm	.01mm	600-1836
150-175mm	.01mm	600-1837

Specialty Micrometers

Electronic Blade Micrometers

- Friction thimble (Ratchetfriction thimble available).
- Chrome-plated frame.
- With 5 keys deluxe model micrometer head.



Range	Graduation	Order No.
0-1”/0-25mm	0.00005”/0.001mm	**600-1821**
1-2”/25-50mm	0.00005”/0.001mm	**600-1822**
2-3”/50-75mm	0.00005”/0.001mm	**600-1823**
3-4”/75-100mm	0.00005”/0.001mm	**600-1824**
4-5”/100-125mm	0.00005”/0.001mm	**600-1825**
5-6”/125-150mm	0.00005”/0.001mm	**600-1826**
6-7”/150-175mm	0.00005”/0.001mm	**600-1827**

Jaw Type Micrometers

- No-rotating spindle.
- Enamel frame.
- Jaw Type measuring face.
- Rathcet friction thimble (friction thimble or ratchet stop available).
- Laser engraved graduations.



Range	.001” Order No.	.0001” Order No.
0-1”	**600-7401**	**600-7411**
1-2”	**600-7402**	**600-7412**
2-3”	**600-7403**	**600-7413**
3-4”	**600-7404**	**600-7414**
4-5”	**600-7405**	**600-7415**
5-6”	**600-7406**	**600-7416**
6-7”	**600-7407**	**600-7417**
7-8”	**600-7408**	**600-7418**

Range	Grad.	Order No.
0-25mm	.01mm	**600-7441**
25-50mm	.01mm	**600-7442**
50-75mm	.01mm	**600-7443**
75-100mm	.01mm	**600-7444**
100-125mm	.01mm	**600-7445**
125-150mm	.01mm	**600-7446**
150-175mm	.01mm	**600-7447**
175-200mm	.01mm	**600-7448**

Electronic Jaw Type Micrometers

- Chrome-Plated frame.
- Friction thimble (ratchet friction thimble available).
- With 5 keys deluxe model micrometer head



Range	Grad.	Jaw Size	Order No.
0-1”/0-25mm	.00005"/.001mm	R 0.5”/12.5mm	**600-7421**
1-2”/25-50mm	.00005"/.001mm	R 0.5”/12.5mm	**600-7422**
2-3”/50-75mm	.00005"/.001mm	R 0.5”/12.5mm	**600-7423**
3-4”/75-100mm	.00005"/.001mm	R 0.5”/12.5mm	**600-7424**
4-5”/100-125mm	.00005"/.001mm	R 0.6”/15mm	**600-7425**
5-6”/125-150mm	.00005"/.001mm	R 0.6”/15mm	**600-7426**
6-7”/150-175mm	.00005"/.001mm	R 0.6”/15mm	**600-7427**
7-8”/175-200mm	.00005"/.001mm	R 0.6”/15mm	**600-7428**

Deep Throat Micrometers

- Deep throat frame for measuring thickness of sheet metal, paper, and sheet plastic.
- Ratchet stop (friction thimble or ratchet friction thimble available).



Range	Throat Depth	.001” Order No.	.0001” Order No.
0-1”	2”	**600-1701**	**600-1711**
1-2”	2”	**600-1702**	**600-1712**
0-1”	4”	**600-1703**	**600-1713**
1-2”	4”	**600-1704**	**600-1714**
0-1”	6”	**600-1705**	**600-1715**
1-2”	6”	**600-1706**	**600-1716**
0-1”	8”	**600-1707**	**600-1717**
1-2”	8”	**600-1708**	**600-1718**

Range	Grad.	Throat Depth	Order No.
0-25mm	.01mm	50mm	**600-1721**
25-50mm	.01mm	50mm	**600-1722**
0-25mm	.01mm	100mm	**600-1723**
25-50mm	.01mm	100mm	**600-1724**
0-25mm	.01mm	150mm	**600-1725**
25-50mm	.01mm	150mm	**600-1726**
0-25mm	.01mm	300mm	**600-1727**
25-50mm	.01mm	300mm	**600-1728**

Electronic Deep Throat Micrometers

- Painted frame.
- Friction thimble (ratchet friction thimble available).
- With 5 keys Deluxe Model micrometer head.
- Graduation .00005”/.001mm.



Range	Throat Depth Description	Graduation	Order No.
0-1”/0-25mm	2”/50mm	0.00005"/.001mm	**600-1731**
1-2”/25-50mm	2”/50mm	0.00005"/.001mm	**600-1732**
0-1”/0-25mm	4”/100mm	0.00005"/.001mm	**600-1733**
1-2”/25-50mm	4”/100mm	0.00005"/.001mm	**600-1734**
0-1”/0-25mm	6”/150mm	0.00005"/.001mm	**600-1735**
1-2”/25-50mm	6”/150mm	0.00005"/.001mm	**600-1736**
0-1”/0-25mm	8”/200mm	0.00005"/.001mm	**600-1737**
1-2”/25-50mm	8”/200mm	0.00005"/.001mm	**600-1738**

Micrometer Heads Ratchet Stop

- Mechanical digital counter for quick and error-free reading.
- Carbide measuring faces
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Install Dimension	Order No.
0-1"	.0001"	12x17mm	12x17mm	**601-9766**
0-25mm	.01mm	12x17mm	12x17mm	**601-9765**

Read Out Micrometer Heads



Range	Graduations	Order No.
0-1"	.00005"	**600-7951**
0-2"	.00005"	**600-7952**
0-25mm	.001mm	**600-7925**
0-50mm	.001mm	**600-7950**

Ratchet Stop Micrometer Heads

- Direct digital reading.
- Carbide measuring faces.
- Laser engraved graduations.
- Flat or spherical measuring face.



Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-1"	.001"	11x16mm	110mm	6.5mm	**601-9501**
0-1"	.0001"	11x16mm	110mm	6.5mm	**601-9502**
0-1"	.001"	12x17mm	113mm	6.5mm	**601-9503**
0-1"	.0001"	12x17mm	113mm	6.5mm	**601-9504**
0-1"	.001"	12x20mm	116mm	6.5mm	**601-9505**
0-1"	.0001"	12x20mm	116mm	6.5mm	**601-9506**

Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-25mm	.01mm	11x16mm	110mm	6.5mm	**601-9524**
0-25mm	.002mm	11x16mm	110mm	6.5mm	**601-9525**
0-25mm	.01mm	12x17mm	113mm	6.5mm	**601-9526**
0-25mm	.002mm	12x17mm	113mm	6.5mm	**601-9527**
0-25mm	.01mm	12x20mm	116mm	6.5mm	**601-9528**
0-25mm	.002mm	12x20mm	116mm	6.5mm	**601-9529**

Ratchet Friction Thimble Micrometer Heads

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-1"	.001"	11x16mm	110mm	6.5mm	**601-9507**
0-1"	.0001"	11x16mm	110mm	6.5mm	**601-9508**
0-25mm	.01mm	11x16mm	110mm	6.5mm	**601-9522**
0-25mm	.002mm	11x16mm	110mm	6.5mm	**601-9523**

Mini-Micrometer Heads

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.

0-5mm(0-0.2")-Flat Spindle(FS)



0-6.5mm(0-0.25") -Flat Spindle(FS)



0-13mm(0-0.5")-Flat Spindle(FS)



0-13mm(0-0.5")-Spherical Spindle(SS)



Inch

Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Face Shapes	Order No.
0-.2"	.001"	3.5x5mm	32mm	2mm	Flat	**601-9105**
0-.2"	.001"	3.5x5mm	32mm	2mm	SR1.5mm	**601-9106**
0-.25"	.001"	6x6mm	37mm	3.5mm	Flat	**601-9165**
0-.25"	.001"	6x6mm	37mm	3.5mm	SR3mm	**601-9166**
0-.5"	.001"	9.5x9.5mm	58.5mm	5mm	Flat	**601-9113**
0-.5"	.001"	9.5x9.5mm	58.5mm	5mm	SR4mm	**601-9114**
0-.6"	.001"	9.5x9.5mm	61mm	5mm	Flat	**601-9115**
0-.6"	.001"	9.5x9.5mm	61mm	5mm	SR4mm	**601-9116**

Metric

Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Face Shapes	Order No.
0-5mm	.01mm	3.5x5mm	32mm	2mm	Flat	**601-9120**
0-5mm	.01mm	3.5x5mm	32mm	2mm	SR1.5mm	**601-9121**
0-6.5mm	.01mm	6x6mm	37mm	3.5mm	Flat	**601-9125**
0-6.5mm	.01mm	6x6mm	37mm	3.5mm	SR3mm	**601-9126**
0-13mm	.01mm	9.5x9.5mm	58.5mm	5mm	Flat	**601-9150**
0-13mm	.01mm	9.5x9.5mm	58.5mm	5mm	SR4mm	**601-9151**
0-15mm	.01mm	9.5x9.5mm	61mm	5mm	Flat	**601-9160**
0-15mm	.01mm	9.5x9.5mm	61mm	5mm	SR4mm	**601-9161**

Electronic Micrometer Heads

- Absolute and incremental conversion.
- Friction thimble(Ratchet friction thimble available).
- Data hold and Tolerance set.



Range	Grad.	Install Dimension	Total Length	Order No.
0-1”/0-25mm	.00005”/.001mm	12x17mm	154mm	**601-9785**
0-1”/0-25mm	.00005”/.001mm	12x17mm	157mm	**601-9786**

Parallax Free Micrometer Heads Ratchet Stop

- Laser engraved graduations.
- Flat or spherical measuring faces.
- Carbide measuring faces.



Range	Grad.	Install Dimension	Total Length	Order No.
0-1”	.0001”	12x17mm	113mm	**601-9746**
0-25mm	.001mm	12x17mm	113mm	**601-9745**

Quick Feeding Micrometer Heads Ratchet Stop

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-1”	.0005”	12x17mm	115mm	8mm	**601-9601**
0-2”	.0005”	22x35mm	183mm	8mm	**601-9602**
0-25mm	.01mm	12x17mm	115mm	8mm	**601-9605**
0-50mm	.01mm	22x35mm	183mm	8mm	**601-9606**

Non-Rotating Spindle Micrometer Heads Ratchet Stop

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-25mm	.01mm	12x10mm	113mm	8mm	**601-9625**
0-25mm	.002mm	12x10mm	113mm	8mm	**601-9626**
0-1”	.001”	12x10mm	113mm	8mm	**601-9621**
0-1”	.0001”	12x10mm	113mm	8mm	**601-9622**

Quick Feeding Micrometer Heads Ratchet Friction Thimble

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-1”	.0005”	12x17mm	115mm	8mm	**601-9611**
0-2”	.0005”	22x35mm	183mm	8mm	**601-9612**
0-25mm	.01mm	12x17mm	115mm	8mm	**601-9615**
0-50mm	.01mm	22x35mm	183mm	8mm	**601-9616**

Non-Rotating Spindle Micrometer Heads Ratchet Friction Thimble

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Total Length	Spindle Diameter	Order No.
0-1	.001”	12x10mm	113mm	8mm	**601-9631**
0-1	.0001”	12x10mm	113mm	8mm	**601-9632**
0-25mm	.01mm	12x10mm	113mm	8mm	**601-9635**
0-25mm	.002mm	12x10mm	113mm	8mm	**601-9636**

Parallax Free Micrometer Heads Ratchet Friction Thimble

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Grad.	Install Dimension	Total Length	Order No.
0-1”	.0001”	12x17mm	110mm	**601-9756**
0-25mm	.001mm	12x17mm	110mm	**601-9755**

7 Pc. Micrometer Anvil Attachment Kit

- Turns your micrometer into 7 different tools.
- Fits all brand micrometers from 1” to 12” or metric sizes.



Specification	Order No.
7 Pcs/set: spline, knife, super spline, blade, comparator, disc & ball attachment	**600-0107**

Fine Reading Micrometer Heads

- The large diameter thimble(49mm) provide high resolution measurement.
- Floating thimble(graduation) can be adjusted with the spindle clamped, allowing zero setting at any spindle position.
- Bidirectional graduation has different fonts for easy reading in both direction.
- Carbide Measuring faces(spherical measuring face available). Spindle diameter:8mm.



Range	Grad.	Install Dimension	Total Length	Basic Order No.	Bidirectional Grad. Order No.
0-1"	.0001"	18x14mm	119mm	**601-9701**	**601-9711**
0-2"	.0001"	18x14mm	148mm	**601-9702**	**601-9712**
0-25mm	.002mm	18x14mm	119mm	**601-9705**	**601-9715**
0-50mm	.002mm	18x14mm	148mm	**601-9706**	**601-9716**

Range	Grad.	Install Dimension	Total Length	Non-Rotating Device Order No.	Combination of Two Type Order No.
0-1"	.0001"	18x14mm	119mm	**601-9721**	**601-9731**
0-2"	.0001"	18x14mm	148mm	**601-9722**	**601-9732**
0-25mm	.002mm	18x14mm	119mm	**601-9725**	**601-9735**
0-50mm	.002mm	18x14mm	148mm	**601-9726**	**601-9736**

Interchangeable Anvil Micrometer Standards



Range	Order No.	Range	Order No.
for 0-4x.001"	**6MS-9414**	for 40-48"x.001"	**6MS-9308**
for 0-6x.001"	**6MS-9416**	for 48-56"x.001"	**6MS-9309**
for 6-12x.001"	**6MS-9300**	for 56-64"x.001"	**6MS-9310**
for 12-16x.001"	**6MS-9301**	for 64-72"x.001"	**6MS-9311**
for 16-20x.001"	**6MS-9302**	for 72-80"x.001"	**6MS-9312**
for 20-24"x.001"	**6MS-9303**	for 80-88"x.001"	**6MS-9313**
for 24-28"x.001"	**6MS-9304**	for 88-96"x.001"	**6MS-9314**
for 28-32"x.001"	**6MS-9305**	for 96-104"x.001"	**6MS-9315**
for 32-36"x.001"	**6MS-9306**	for 104-112"x.001"	**6MS-9316**
for 36-40"x.001"	**6MS-9307**	for 112-120"x.001"	**6MS-9317**

Range	Order No.	Range	Order No.
for 0-100x.01mm	**6MS-9404**	for 1000-1200x.01mm	**6MS-9008**
for 0-150x.01mm	**6MS-9406**	for 1200-1400x.01mm	**6MS-9009**
for 150-300x.01mm	**6MS-9000**	for 1400-1600x.01mm	**6MS-9010**
for 300-400x.01mm	**6MS-9001**	for 1600-1800x.01mm	**6MS-9011**
for 400-500x.01mm	**6MS-9002**	for 1800-2000x.01mm	**6MS-9012**
for 500-600x.01mm	**6MS-9003**	for 2000-2200x.01mm	**6MS-9013**
for 600-700x.01mm	**6MS-9004**	for 2200-2400x.01mm	**6MS-9014**
for 700-800x.01mm	**6MS-9005**	for 2400-2600x.01mm	**6MS-9015**
for 700-900x.01mm	**6MS-9006**	for 2600-2800x.01mm	**6MS-9016**
for 900-1000x.01mm	**6MS-9007**	for 2800-3000x.01mm	**6MS-9017**

Micrometer Standards

Standard



Inch

Range	Accuracy	Dia.	Order No.
1"	+/-0.00008"	7mm	**6MS-0001**
2"	+/-0.00008"	7mm	**6MS-0002**
3"	+/-0.00008"	7mm	**6MS-0003**
4"	+/-0.00012"	8mm	**6MS-0004**
5"	+/-0.00016"	8mm	**6MS-0005**
6"	+/-0.00016"	8mm	**6MS-0006**
7"	+/-0.0002"	8mm	**6MS-0007**
8"	+/-0.0002"	8mm	**6MS-0008**
9"	+/-0.00024"	8mm	**6MS-0009**
10"	+/-0.00024"	8mm	**6MS-0010**
11"	+/-0.00028"	8mm	**6MS-0011**
12"	+/-0.00016"	16mm	**6MS-0012**
13"	+/-0.00016"	16mm	**6MS-0013**
14"	+/-0.00016"	16mm	**6MS-0014**
15"	+/-0.00016"	16mm	**6MS-0015**
16"	+/-0.0002"	16mm	**6MS-0016**
17"	+/-0.0002"	16mm	**6MS-0017**
18"	+/-0.0002"	16mm	**6MS-0018**
19"	+/-0.0002"	16mm	**6MS-0019**
20"	+/-0.00024"	16mm	**6MS-0020**
21"	+/-0.00024"	16mm	**6MS-0021**
22"	+/-0.00024"	16mm	**6MS-0022**
23"	+/-0.00024"	16mm	**6MS-0023**
24"	+/-0.00024"	16mm	**6MS-0024**

Metric

Range	Accuracy	Dia.	Order No.
25mm	+/-0.0020mm	7mm	**6MS-1025**
50mm	+/-0.0020mm	7mm	**6MS-1050**
75mm	+/-0.0020mm	7mm	**6MS-1075**
100mm	+/-0.0025mm	8mm	**6MS-1100**
125mm	+/-0.0025mm	8mm	**6MS-1125**
150mm	+/-0.0030mm	8mm	**6MS-1150**
175mm	+/-0.0030mm	8mm	**6MS-1175**
200mm	+/-0.0035mm	8mm	**6MS-1200**
225mm	+/-0.0035mm	8mm	**6MS-1225**
250mm	+/-0.0035mm	8mm	**6MS-1250**
275mm	+/-0.0035mm	8mm	**6MS-1275**

Electronic Micrometer & Base Sets



Pieces	Specifications	Individual Order No.	Set Order No.
2 Pcs/set	0-1"/0-25mm 2keys Ele. Micrometer Adj. Micrometer Stand	**600-8001** **600-0105**	**135-2012**
2 Pcs/set	0-1"/0-25mm 5keys Ele. Micrometer Adj. Micrometer Stand	**600-8005** **600-0105**	**135-2015**
2 Pcs/set	0-1"/0-25mm 7keys Ele. Micrometer Adj. Micrometer Stand	**600-8031** **600-0105**	**135-2017**

Micrometer Accessories

Micrometer Stands

- Designed to allow bench-top using with micrometers or other gages which have frame area sufficient to be hold.
- Used for 0-4"/0-100mm micrometers.



Type "A"

Specification	Order No.
Aluminum Body	**600-0000**
Cast Iron Body	**600-1000**



Type "B"

Specification	Order No.
Steel Body & Cast Iron Base	**600-1001**

Adjustable Micrometer Stand

Steel Body

- Foldable design for portable using, folded size:31/8"W ï43/4L ï13/4H.
- Clamp can be adjusted and locked at any positions.
- Angle locking and micrometer locking are in one process by fastening locking nsut.
- Used for 0-4" /0-100mm micrometers.



Specification	Order No.
Steel Body 3-1/8"W x 4-3/4L x 1-3/4H	**600-0105**

Inside Diameter Micrometers

Tubular Type

- Carbide measuring faces.
- Laser engraved graduations.



Range	Grad.	Order No.
2-10"	0.001"	**600-6600**

Range	Grad.	Order No.
50-75mm	.01mm	**600-6507**
50-100mm	.01mm	**600-6508**
50-175mm	.01mm	**600-6509**
50-250mm	.01mm	**600-6510**
50-600mm	.01mm	**600-6511**

- Chrome-plated.
- Each rod marked with length.
- Thermal insulator on each rod.
- Carbide measuring faces.
- Laser engraved graduations.



Range	Grad.	Order No.
4-36"	.001"	**600-6520**
6-55"	.001"	**600-6521**
6-80"	.001"	**600-6522**
6-84"	.001"	**600-6523**
40-120	.001"	**600-6524**

Range	Grad.	Order No.
150-1400mm	.01mm	**600-6501**
150-2000mm	.01mm	**600-6502**
150-2100mm	.01mm	**600-6503**
1000-3000mm	.01mm	**600-6504**

Tubular & Single Body Type



Range	Grad.	Order No.
100-125mm	.01mm	**600-6512**
125-150mm	.01mm	**600-6513**
150-175mm	.01mm	**600-6514**
175-200mm	.01mm	**600-6515**

Range	Grad.	Order No.
200-225mm	.01mm	**600-6516**
225-250mm	.01mm	**600-6517**
250-275mm	.01mm	**600-6518**
275-300mm	.01mm	**600-6519**

Inside Micrometers

Basic Model

- Caliper type jaws.
- Chrome-plated.
- Carbide measuring faces.
- Ratchet stop for exact repetitive readings.
- Complete with fitted case.



Range	Grad.	Setting Ring	Order No.
0.2-1.2"	.001"	0.2"	**600-5005**
1-2"	.001"	1"	**600-5010**
2-3"	.001"		**600-5015**
3-4"	.001"		**600-5020**
4-5"	.001"		**600-5026**
5-6"	.001"		**600-5030**
6-7"	.001"		**600-5035**
7-8"	.001"		**600-5040**
8-9"	.001"		**600-5045**
9-10"	.001"		**600-5046**
10-11"	.001"		**600-5047**
11-12"	.001"		**600-5048**

Range	Grad.	Setting Ring	Order No.
5-30mm	.01mm	5mm	**600-4005**
25-50	.01mm	25mm	**600-4010**
50-75	.01mm		**600-4015**
75-100	.01mm		**600-4020**
100-125	.01mm		**600-4026**
125-150	.01mm		**600-4030**
150-175	.01mm		**600-4035**
175-200	.01mm		**600-4042**
200-225	.01mm		**600-4045**
225-250	.01mm		**600-4046**
250-275	.01mm		**600-4047**
275-300	.01mm		**600-4048**

Digital Inside Micrometers

- Mechanical digital counter for quick and error-free reading.
- Caliper type jaws.
- Chrome-plated.
- Carbide measuring faces.
- Laser engraved graduations.



Range	Grad.	Setting Ring	Order No.
.2-1.2"	.001"	0.2"	**600-5605**
1-2"	.001"	1"	**600-5610**
2-3"	.001"		**600-5615**
3-4"	.001"		**600-5620**
4-5"	.001"		**600-5626**
5-6"	.001"		**600-5630**
6-7"	.001"		**600-5635**
7-8"	.001"		**600-5640**
8-9"	.001"		**600-5645**
9-10"	.001"		**600-5646**
10-11"	.001"		**600-5647**
11-12"	.001"		**600-5648**

Range	Grad.	Setting Ring	Order No.
5-30mm	.01mm	5mm	**600-4605**
25-50	.01mm	25mm	**600-4610**
50-75	.01mm		**600-4615**
75-100	.01mm		**600-4620**
100-125	.01mm		**600-4626**
125-150	.01mm		**600-4630**
150-175	.01mm		**600-4635**
175-200	.01mm		**600-4640**
200-225	.01mm		**600-4645**
225-250	.01mm		**600-4646**
250-275	.01mm		**600-4647**
275-300	.01mm		**600-4648**

Inside Micrometer Sets

- Caliper type jaws.
- Chrome-plated.
- Carbide measuring faces.
- Ratchet stop for exact repetitive readings.
- Complete with fitted case.



Piece	Range	Grad.	Order No.
3Pcs/set	.2 to 3"	.001"	**600-5021**
4Pcs/set	.2 to 4"	.001"	**600-5022**

Piece	Range	Grad.	Order No.
3Pcs/set	5 to 75mm	.01mm	**600-4021**
4Pcs/set	5 to 100mm	.01mm	**600-4022**

Electronic Inside Micrometers

- With 5 keys Deluxe Model micrometer head.
- Graduation .00005"/.001mm



Range	Setting Ring	Order No.
0.2-1.2"/5-30mm	0.2"/5mm	**600-5101**
1-2"/25-50mm	1"/25mm	**600-5102**
2-3"/50-75mm		**600-5103**
3-4"/75-100mm		**600-5104**
4-5"/100-125mm		**600-5106**
5-6"/125-150mm		**600-5107**

Range	Order No.
6-7"/150-175mm	**600-5108**
7-8"/175-200mm	**600-5109**
8-9"/200-225mm	**600-5111**
9-10"/225250mm	**600-5112**
10-11"/250-275mm	**600-5113**
11-12"/275-300m	**600-5114**

Interchangeable Rods Type Depth Micrometers

Normal Type

- Spherical end (flat end available).
- High accuracy interchangeable rods changed from hole of base end.



Range	Grad.	No. of Rods	Base size	Order No.	Base size	Order No.
0-1"	.001"	1	2-1/2"	**602-3005**	4"	**602-3006**
0-2"	.001"	2	2-1/2"	**602-3008**	4"	**602-3009**
0-4"	.001"	4	2-1/2"	**602-3015**	4"	**602-3030**
0-6"	.001"	6	2-1/2"	**602-3025**	4"	**602-3020**
0-8"	.001"	8	2-1/2"	**602-3026**	4"	**602-3027**
0-12"	.001"	12	2-1/2"	**602-3028**	4"	**602-3029**

Range	Grad.	No. of Rods	Base size	Order No.	Base size	Order No.
0-25mm	.01mm	1	63mm	**602-3105**	101.5mm	**602-3106**
0-50mm	.01mm	2	63mm	**602-3108**	101.5mm	**602-3109**
0-100mm	.01mm	4	63mm	**602-3110**	101.5mm	**602-3111**
0-150mm	.01mm	6	63mm	**602-3115**	101.5mm	**602-3116**
0-200mm	.01mm	8	63mm	**602-3120**	101.5mm	**602-3121**
0-300mm	.01mm	12	63mm	**602-3125**	101.5mm	**602-3126**

Interchangeable Rods type Depth Micrometers

Run through rod Type

- Ratchet stop.
- Run through interchangeable rods, provide a wide measuring range.
- Spherical end (flat end available) .
- High accuracy interchangeable rods.



Range	Grad.	No. of Rods	Base size	Order No.	Base size	Order No.
0-1"	.001"	1	2-1/2"	**602-4005**	4"	**602-4006**
0-2"	.001"	2	2-1/2"	**602-4008**	4"	**602-4009**
0-4"	.001"	4	2-1/2"	**602-4015**	4"	**602-4030**
0-6"	.001"	6	2-1/2"	**602-4025**	4"	**602-4020**
0-8"	.001"	8	2-1/2"	**602-4026**	4"	**602-4027**
0-12"	.001"	12	2-1/2"	**602-4028**	4"	**602-4029**

Range	Grad.	No. of Rods	Base size	Order No.	Base size	Order No.
0-25mm	.01mm	1	63mm	**602-4105**	101.5mm	**602-4106**
0-50mm	.01mm	2	63mm	**602-4108**	101.5mm	**602-4109**
0-100mm	.01mm	4	63mm	**602-4110**	101.5mm	**602-4111**
0-150mm	.01mm	6	63mm	**602-4115**	101.5mm	**602-4116**
0-200mm	.01mm	8	63mm	**602-4120**	101.5mm	**602-4121**
0-300mm	.01mm	12	63mm	**602-4125**	101.5mm	**602-4126**

Electronic Depth Micrometers

- With 5 keys deluxe model micrometer head.
- Spherical end (flat end available).
- High accuracy interchangeable rods.
- Friction thimble (Ratchet friction thimble available).
- .00005"/.001mm.



Range	No.of Rods	Base size	Order No.	Base size	Order No.
0-1"/0-25mm	1	4"	**602-3311**	2-1/2"	**602-3301**
0-2"/0-50mm	2	4"	**602-3312**	2-1/2"	**602-3302**
0-4"/0-100mm	4	4"	**602-3314**	2-1/2"	**602-3304**
0-6"/0-150mm	6	4"	**602-3316**	2-1/2"	**602-3306**
0-8"/0-200mm	8	4"	**602-3318**	2-1/2"	**602-3308**
0-12"/0-300mm	12	4"	**602-3319**	2-1/2"	**602-3309**

Digital Depth Micrometers

- With interchangeable anvils for wide range measurements.
- Micrometers need not be set zero again after precision anviles are interchanged.
- Zero setting at any position.
- With data output interface.



Range	Graduation	No. of Rods	Order No.
0-1"/25mm	.000005"/.0001mm	1	**602-3501**
0-2"/50mm	.000005"/.0001mm	2	**602-3502**
0-3"/75mm	.000005"/.0001mm	3	**602-3503**
0-4"/100mm	.000005"/.0001mm	4	**602-3504**
0-6"/150mm	.000005"/.0001mm	6	**602-3506**
0-8"/200mm	.000005"/.0001mm	8	**602-3508**
0-12"/300mm	.000005"/.0001mm	12	**602-3509**

Digital Depth Micrometers

- Digit counter for quick and error-free reading.
- Zero-set button.
- Spherical end (flat end available).
- High accuracy interchangeable rods.

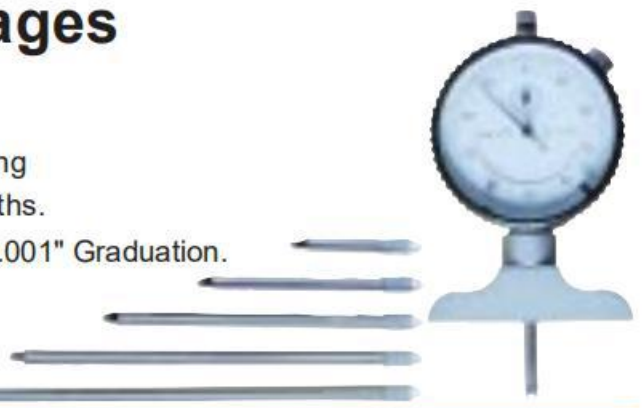


Range	Grad.	No. of Rods	Base size	Order No.	Base size	Order No.
0-1"	.001"	1	2-1/2"	**602-3401**	4"	**602-3411**
0-2"	.001"	2	2-1/2"	**602-3402**	4"	**602-3412**
0-4"	.001"	4	2-1/2"	**602-3404**	4"	**602-3414**
0-6"	.001"	6	2-1/2"	**602-3406**	4"	**602-3416**
0-8"	.001"	8	2-1/2"	**602-3408**	4"	**602-3418**
0-12"	.001"	12	2-1/2"	**602-3409**	4"	**602-3419**

Range	Grad.	No. Of Rods	Base size	Order No.	Base size	Order No.
0-25mm	.01mm	1	63mm	**602-3421**	101.5mm	**602-3431**
0-50mm	.01mm	2	63mm	**602-3422**	101.5mm	**602-3432**
0-100mm	.01mm	4	63mm	**602-3424**	101.5mm	**602-3434**
0-150mm	.01mm	6	63mm	**602-3426**	101.5mm	**602-3436**
0-200mm	.01mm	8	63mm	**602-3428**	101.5mm	**602-3438**
0-300mm	.01mm	12	63mm	**602-3429**	101.5mm	**602-3439**

Dial Depth Gages

- Provides rapid, direct reading measurements of hole depths.
- 0-1" Travel indicator with 0.001" Graduation.
- Supplied with fitted case.



Range	Base Size	No. of Rods	Order No.
0-4"	2-1/2"	4	**615-6130**
0-4	4	4	**615-6131**
0-6	2-1/2	6	**615-6132**
0-6	4	6	**615-6133**
0-8	2-1/2	8	**615-6134**
0-8	4	8	**615-6135**
0-12	2-1/2	12	**615-6136**
0-12	4	12	**615-6137**

Dial Indicator Depth Gage

- Provides rapid, direct reading measurements of hole depth
- 2 extra points: one 0.078" dia x 1" long, one needle point x 1" long (Order No. 605-0068)
- Furnished in fitted case





Range	Rod Size	No.of Rods	Base Size	Grad.	Order No.
0-8"	1,2,4"	3	2-1/2"	0.001"	**615-6144**
0-8"	1,2,4"	3	4"	0.001"	**615-6145**
0-22"	1-6"	6	2-1/2"	0.001"	**615-6139**
0-22"	1-6"	6	4"	0.001"	**615-6138**

Electronic Digital Indicator Depth Gage

3 keys, large LCD Screen





Range	Graduation	Base Size	No.of Rods	Rod Size	Order No.
0-200mm/8"	0.01mm/0.0005"	2-1/2"	3	1,2,4"	**605-6813**
0-200mm/8"	0.01mm/0.0005"	4"	3	1,2,4"	**605-6814**
0-550mm/22"	0.01mm/0.0005"	2-1/2"	6	1-6"	**605-6815**
0-550mm/22"	0.01mm/0.0005"	4"	6	1-6"	**605-6816**

- Provides rapid, direct reading measurements of hole depth
- 2 extra points: one 0.078" dia x 1" long, one needle point x 1" long (Order No. 605-0068)
- Furnished in fitted case





Range	Graduation	Base Size	No.of Rods	Rod Size	Order No.
0-550mm/22"	0.001mm/0.00005"	2-1/2	6	1-6"	**605-6809**
0-550mm/22"	0.001mm/0.00005"	4"	6	1-6"	**605-6810**

Accessories For Three Point Inside Micrometers

Internal Gage for Three Point Micrometers



For Range	Specifications	Order No.	Specifications	Order No.
6-12mm x .005mm	Dia. 32x10x8	**600-9524**	Dia. 32x10x10	**600-9525**
11-20mm x.005mm	Dia. 35x13x11	**600-9534**	Dia. 45x15x17	**600-9535**
20-40mm x.005mm	Dia. 53x20x25	**600-9544**	Dia. 68x20x35	**600-9545**
40-100 x .005mm	Dia.100x30.2x50	**600-9564**	Dia.112x32.2x70	**600-9565**
40-100x .005mm	Dia.140x35.2x90	**600-9566**		

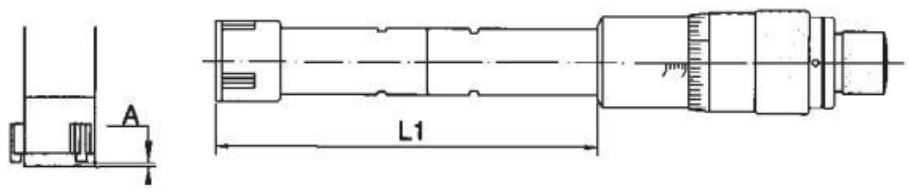
Arbor, Arbor Socket & Wrench for Basic Model Three Point Micrometers

Range	Arbor& Socket Order No.	Wrench Order No.
For .24-.48"	**600-9521**	**600-9523**
For .44-.80"	**600-9531**	**600-9533**
For .80-1.6"	**600-9541**	**600-9543**
For 1.6-4.0"	**600-9561**	**600-9563**
for 6-12mm	**600-9221**	**600-9223**
for 11-20mm	**600-9231**	**600-9233**
for 20-40mm	**600-9241**	**600-9243**
for 40-100mm	**600-9261**	**600-9263**

Three-point Internal Micrometers

- Self-centering 3-point for accurate measurement of internal diameters.
- Highly durable because of carbide-tipped contact points.
- Measurement can be taken closer to the bottom of the blind bore, and can be taken into a deep hole with an extension rods.
- Supplied with setting rings.

Within 12mm/0.5".
Resolution: 0.001mm(Metric); 0.0001"(Inch).
Over 12mm/0.5".
Resolution: 0.005mm(Metric); 0.0002"(Inch).





Metric

Range	Grad.	Accuracy	Setting Rings	L1	A	Order No.
6-8mm	.001mm	0.004mm	Φ8mm	53.5mm	0.5mm	**600-9660**
8-10mm	.001mm	0.004mm	Φ8mm	53.5mm	0.5mm	**600-9661**
10-12mm	.001mm	0.004mm	Φ10mm	53.5mm	0.5mm	**600-9662**
12-16mm	.005mm	0.004mm	Φ16mm	80mm	0.5mm	**600-9663**
16-20mm	.005mm	0.004mm	Φ16mm	80mm	0.5mm	**600-9664**
20-25mm	.005mm	0.004mm	Φ25mm	90mm	0.5mm	**600-9665**
25-30mm	.005mm	0.004mm	Φ25mm	90mm	0.5mm	**600-9666**
30-40mm	.005mm	0.004mm	Φ40mm	97mm	0.5mm	**600-9667**
40-50mm	.005mm	0.005mm	Φ40mm	97mm	0.5mm	**600-9668**
50-63mm	.005mm	0.005mm	Φ62mm	114mm	0.5mm	**600-9669**
62-75mm	.005mm	0.005mm	Φ62mm	114mm	0.5mm	**600-9670**
75-88mm	.005mm	0.005mm	Φ87mm	114mm	0.5mm	**600-9671**
87-100mm	.005mm	0.005mm	Φ87mm	114mm	0.5mm	**600-9672**

Inch

Range	Grad.	Accuracy	Setting Rings	L1	A	Order No.
0.275-0.35"	.0001"	0.004mm	0.275"	63.5mm	1.5mm	**600-9860**
0.35-0.425"	.0001"	0.004mm	0.35"	63.5mm	1.5mm	**600-9861**
0.425-0.5"	.0001"	0.004mm	0.5"	63.5mm	0.5mm	**600-9862**
0.5-0.65"	.0002"	0.004mm	0.65"	79.5mm	0.5mm	**600-9863**
0.65-0.8"	.0002"	0.004mm	0.65"	79.5mm	0.5mm	**600-9864**
0.8-1"	.0002"	0.004mm	1	104.5mm	0.5mm	**600-9865**
1-1.2"	.0002"	0.004mm	1	104.5mm	0.5mm	**600-9866**
1.2-1.6"	.0002"	0.004mm	1.6"	110mm	0.5mm	**600-9867**
1.6-2"	.0002"	0.005mm	1.6"	110mm	0.5mm	**600-9868**
2-2.5"	.0002"	0.005mm	2.5"	127mm	0.5mm	**600-9869**
2.5-3"	.0002"	0.005mm	2.5"	127mm	0.5mm	**600-9870**
3-3.5"	.0002"	0.005mm	3.5"	127mm	0.5mm	**600-9871**
3.5-4"	.0002"	0.005mm	3.5"	127mm	0.5mm	**600-9872**

Three-point Internal Micrometers Sets



Metric

Range	Grad.	Extension Rods	Desc.	Order No.
6-12mm(A=0.5mm)	.001mm	100mm	3 Heads	**600-9675**
12-20mm(A=0.5mm)	.005mm	150mm	2 Heads	**600-9676**
20-50mm(A=0.5mm)	.005mm	150mm	3 Heads	**600-9677**
50-100mm(A=0.5mm)	.005mm	150mm	5 Heads	**600-9678**

Inch

Range	Grad.	Extension Rods	Desc.	Order No.
0.275-0.5"((A=0.5mm)	.0001"	3.9"	3 Heads	**600-9875**
0.5-0.8"(A=0.5mm)	.0002"	5.9"	2 Heads	**600-9876**
0.8-2"(A=0.5mm)	.0002"	5.9"	4 Heads	**600-9877**
2-4"(A=0.5mm)	.0002"	5.9"	4 Heads	**600-9878**

Electronic Three Point Inside Micrometers & Sets

- Both electronic digital reading and analog indication on the micrometer Heads.



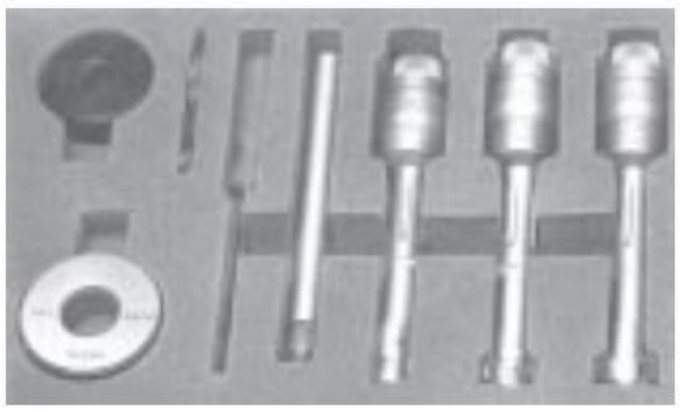
Individuals

Range	Graduation	Order No.	Range	Graduation	Order No.
6-8mm/.24-.3"	.005mm/.0002"	**600-9731**	30-35mm/1.18-1.37"	.005mm/.0002"	**600-9739**
8-10mm/.3-.39"	.005mm/.0002"	**600-9732**	35-40mm/1.37-1.57"	.005mm/.0002"	**600-9740**
10-12mm/.39-.47"	.005mm/.0002"	**600-9733**	40-50mm/1.57-1.97"	.005mm/.0002"	**600-9741**
11-14mm/.43-.55"	.005mm/.0002"	**600-9734**	50-60mm/1.97-2.36"	.005mm/.0002"	**600-9742**
14-17mm/.55-.66"	.005mm/.0002"	**600-9735**	60-70mm/2.36-2.76"	.005mm/.0002"	**600-9743**
17-20mm/.66-.78"	.005mm/.0002"	**600-9736**	70-80mm/2.76-3.15"	.005mm/.0002"	**600-9744**
20-25mm/.78-.98"	.005mm/.0002"	**600-9737**	80-90mm/3.15-3.54"	.005mm/.0002"	**600-9745**
25-30mm/.98-1.18"	.005mm/.0002"	**600-9738**	90-100mm/3.54-3.94"	.005mm/.0002"	**600-9746**

Sets

Range	Graduations	Heads	Order No.
6-12mm/.24-.47"	.005mm/.0002"	3	**600-9751**
11-20mm/.43-.78"	.005mm/.0002"	3	**600-9752**
20-40mm/.78-1.57"	.005mm/.0002"	4	**600-9753**
40-100mm/1.57-3.94"	.005mm/.0002"	6	**600-9754**









Three Point Inside Micrometers & Sets

Basic Type, Individuals

- Three point self-centering heads.
- Each size with one Setting Ring.
- Basic type for through holes.
- Ratchet stop

Range	Grad.	Order No.
.24-.3"	.0002"	**600-9501**
.3-.39"	.0002"	**600-9502**
.39-.47"	.0002"	**600-9503**
.43-.55"	.0002"	**600-9504**
.55-.66"	.0002"	**600-9505**
.66-.78"	.0002"	**600-9506**
.78-.98"	.0002"	**600-9507**
.98-1.18"	.0002"	**600-9508**
1.18-1.37"	.0002"	**600-9509**
1.37-1.57"	.0002"	**600-9510**
1.57-1.97"	.0002"	**600-9511**
1.97-2.36"	.0002"	**600-9512**
2.36-2.76"	.0002"	**600-9513**
2.76-3.15"	.0002"	**600-9514**
3.15-3.54"	.0002"	**600-9515**
3.54-3.94"	.0002"	**600-9516**

Range	Grad.	Order No.
6-8mm	.005mm	**600-9201**
8-10mm	.005mm	**600-9202**
10-12mm	.005mm	**600-9203**
11-14mm	.005mm	**600-9204**
14-17mm	.005mm	**600-9205**
17-20mm	.005mm	**600-9206**
20-25mm	.005mm	**600-9207**
25-30mm	.005mm	**600-9208**
30-35mm	.005mm	**600-9209**
35-40mm	.005mm	**600-9210**
40-50mm	.005mm	**600-9211**
50-60mm	.005mm	**600-9212**
60-70mm	.005mm	**600-9213**
70-80mm	.005mm	**600-9214**
80-90mm	.005mm	**600-9215**
90-100mm	.005mm	**600-9216**

Basic Type, Sets

- Three point self-centering heads.
- Including Arbor, Arbor Socket & Internal Ring gage not included.
- Blind Hole Type for measuring bind holes.

Range	Grad.	Desc.	Order No.
.24-.48	.0002"	3 heads	**600-9520**
.44-.80	.0002"	3 heads	**600-9530**
.80-1.6	.0002"	4 heads	**600-9540**
1.6-4.0	.0002"	6 heads	**600-9560**

Range	Grad.	Desc.	Order No.
6-12mm	.005mm	3 heads	**600-9220**
11-20mm	.005mm	3 heads	**600-9230**
20-40mm	.005mm	4 heads	**600-9240**
40-100mm	.005mm	6 heads	**600-9260**

Blind Hole Type, Individuals

- Arbor, Arbor Socket & Internal Ring gage not included.

Range	Grad.	Order No.
.24-.3"	.0002"	**600-2501**
.3-.39"	.0002"	**600-2502**
.39-.47"	.0002"	**600-2503**
.43-.55"	.0002"	**600-2504**
.55-.66"	.0002"	**600-2505**
.66-.78"	.0002"	**600-2506**
.78-.98"	.0002"	**600-2507**
.98-1.18"	.0002"	**600-2508**
1.18-1.37"	.0002"	**600-2509**
1.37-1.57"	.0002"	**600-2510**
1.57-1.97"	.0002"	**600-2511**
1.97-2.36"	.0002"	**600-2512**
2.36-2.76"	.0002"	**600-2513**
2.76-3.15"	.0002"	**600-2514**
3.15-3.54"	.0002"	**600-2515**
3.54-3.94"	.0002"	**600-2516**

Range	Grad.	Order No.
6-8mm	.005mm	**600-2201**
8-10mm	.005mm	**600-2202**
10-12mm	.005mm	**600-2203**
11-14mm	.005mm	**600-2204**
14-17mm	.005mm	**600-2205**
17-20mm	.005mm	**600-2206**
20-25mm	.005mm	**600-2207**
25-30mm	.005mm	**600-2208**
30-35mm	.005mm	**600-2209**
35-40mm	.005mm	**600-2210**
40-50mm	.005mm	**600-2211**
50-60mm	.005mm	**600-2212**
60-70mm	.005mm	**600-2213**
70-80mm	.005mm	**600-2214**
80-90mm	.005mm	**600-2215**
90-100mm	.005mm	**600-2216**

Blind Hole Type, Sets

- Including internal ring gage .
- Arbor & arbor socket not Included.
- Chrome-plated.
- Carbide measuring faces.
- Laser engraved graduations.

Range	Grad.	Desc.	Order No.
.24-.48	.0002"	3 heads	**600-2520**
.44-.80	.0002"	3 heads	**600-2530**
.80-1.6	.0002"	4 heads	**600-2540**
1.6-4.0	.0002"	6 heads	**600-2560**

Range	Grad.	Desc.	Order No.
6-12mm	.005mm	3heads	**600-2220**
11-20mm	.005mm	3 heads	**600-2230**
20-40mm	.005mm	4 heads	**600-2240**
40-100mm	.005mm	6 heads	**600-2260**



Quality Hardened Steel Squares

Blades with Straight Edges, Accuracy Class 2

- **Accuracy: .0008" + L/10,000**
- Beam is grooved at inner corner.
- Beams and blades are accurately ground and lapped.
- Hardness: HRC55.

Blade	Beam	Order No.
1-3/8"	1"	**650-7505**
2-3/8"	1-3/8"	**650-7510**
3-1/8"	2"	**650-7537**
5"	3"	**650-7552**
6-3/4"	4"	**650-7560**
8-1/2"	5-1/8"	**650-7586**
10-1/2"	6-3/8"	**650-7602**
14"	6"	**650-7610**
18"	8"	**650-7615**



Blades with Two Straight Bevelled Edges, Accuracy Class N

- **Accuracy: .0002" + L/50,000**
- Class N Squares have accurate right angles both inside and outside.
- Beam is grooved at inner corner for clearance of burr and dirt.
- Beams and blades are accurately ground and lapped for straightness and parallelism.
- All squares are fully hardened (HRC55).

Blade	Beam	Order No.
1-3/8"	1"	**650-6205**
2-3/8"	1-3/8"	**650-6210**
2-1/2"	1-1/2"	**650-6224**
3-1/8"	2"	**650-6232**
5"	3"	**650-6257**
6-1/4"	4"	**650-6265**
6-3/4"	4"	**650-6270**
7-7/8"	5"	**650-6281**
8-1/2"	5-1/8"	**650-6285**
10-1/2"	6-3/8"	**650-6290**



Blades with Two Straight Bevelled Edges, Accuracy Class H

- **Accuracy: .0008" + L/10,000**
- Squares have accurate right angles both inside and outside.
- Made from a single piece of fully seasoned tool steel.
- Class H Blades are beveled on both edges of each side.
- Beam is grooved at inner corner for clearance of burr and dirt.
- Beams and blades are ground and accurately lapped for straightness and parallelism.
- All squares are fully hardened (HRC55).

Blade	Beam	Order No.
1-3/8"	1"	**650-7205**
2-3/8"	1"	**650-7210**
2-3/8"	1-3/8"	**650-7211**
2-1/2"	1-1/2"	**650-7222**
3-1/8"	2"	**650-7230**
5"	3"	**650-7255**
6-1/4"	4"	**650-7263**
7-7/8"	5"	**650-7289**
8-1/2"	5-1/8"	**650-7293**
10-1/2"	6-3/8"	**650-7296**



Machinist's Steel Squares & Sets

Plain Type

- **Accuracy: Workshop Grade/Plain Type**
- Made from the finest steel.
- Beams and blades are ground and accurately lapped for straightness and parallelism.
- Hardened blade only.

Individuals

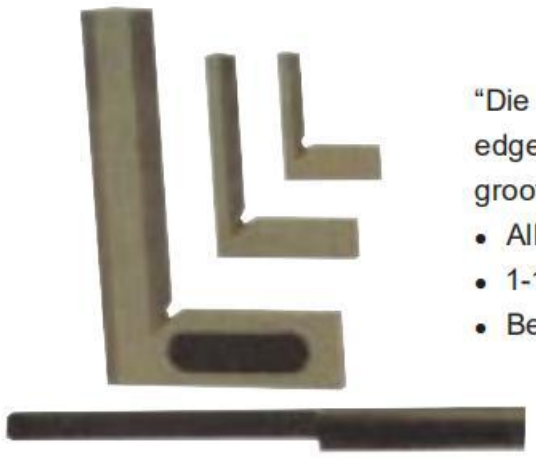
Blade	Beam	Order No.
2"	1-1/2"	**650-8022**
3"	2-1/2"	**650-8030**
4"	3"	**650-8048**
6"	4"	**650-8063**
9"	5-1/2"	**650-8097**
12"	7"	**650-8121**
18"	10"	**650-8147**
24"	12"	**650-8162**



Sets

No.of Piece	Size	Order No.
4Pcs/set	2-6"	**650-8014**
4Pcs/set	4-12"	**650-8006**

Die Maker's Square Set



"Die Maker's Square set" is ideal for the toolmaker working on precise miniature layouts. Sets consist of 3 hardened beveled edge squares 3/4", 1-1/4" and 2-3/8" plus a 1-1/2" triangular straight edge with handle. Sides of triangular straight edge are grooved in middle for clearance of burr and dirt.

- All tools are hardened and ground, very finely finished and extremely accurate.
- 1-1/2" triangular straight edge with a removable hardle(length 2-1/2").
- Beam is grooved at inner corner for clearance of bur and dirt.

Description	Order No.
Beveled Edge Squares : 3/4",1-1/4",2-3/8" Triangular straight edge: 1-1/2" OAL:4"	**650-7200**

DIN875 Squares



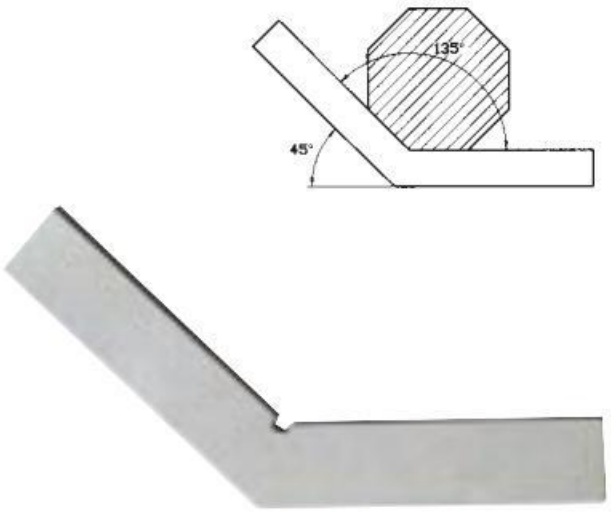
45° & 60° Flat Squares

Blade (mm)	Beam (mm)	45° Carbon Steel Grade 1 Order No.	45° Carbon Steel Grade 2 Order No.	45° Stainless Steel Grade 1 Order No.	45° Stainless Steel Grade 2 Order No.	60° Carbon Steel Grade 1 Order No.	60° Carbon Steel Grade 2 Order No.	60° Stainless Steel Grade 1 Order No.	60° Stainless Steel Grade 2 Order No.
100	70	639-2710	639-2810	638-2710	638-2810	639-6310	639-6410	638-6310	638-6410
125	80	639-2712	639-2812	638-2712	638-2812	639-6312	639-6412	638-6312	638-6412
150	100	639-2715	639-2815	638-2715	638-2815	639-6315	639-6415	638-6315	638-6415
200	130	639-2720	639-2820	638-2720	638-2820	639-6320	639-6420	638-6320	638-6420
250	160	639-2725	639-2825	638-2725	638-2825	639-6325	639-6425	638-6325	638-6425
300	200	639-2730	639-2830	638-2730	638-2830	639-6330	639-6430	638-6330	638-6430



90° Flat Squares

Blade (mm)	Beam (mm)	Carbon Steel Grade 0 Order No.	Carbon Steel Grade 1 Order No.	Carbon Steel Grade 2 Order No.	Stainless Steel Grade 0 Order No.	Stainless Steel Grade 1 Order No.	Stainless Steel Grade 2 Order No.
50	40	639-4105	639-4205	639-4305	638-4105	638-4205	638-4305
75	50	639-4110	639-4210	639-4310	638-4110	638-4210	638-4310
100	70	639-4115	639-4215	639-4315	638-4115	638-4215	638-4315
150	100	639-4120	639-4220	639-4320	638-4120	638-4220	638-4320
200	130	639-4130	639-4230	639-4330	638-4130	638-4230	638-4330
250	160	639-4132	639-4232	639-4332	638-4132	638-4232	638-4332
300	175	639-4136	639-4236	639-4336	638-4136	638-4236	638-4336
300	200	639-4135	639-4235	639-4335	638-4135	638-4235	638-4335



135° &120° Flat Squares

Blade (mm)	Beam (mm)	135° Carbon Steel Grade 1 Order No.	135° Carbon Steel Grade 2 Order No.	135° Stainless Steel Grade 1 Order No.	135° Stainless Steel Grade 2 Order No.	120° Carbon Steel Grade 1 Order No.	120° Carbon Steel Grade 2 Order No.	120° Stainless Steel Grade 1 Order No.	120° Stainless Steel Grade 2 Order No.
100	70	639-5005	639-5105	638-5005	638-5105	639-5055	639-5155	638-5055	638-5155
120	80	639-5010	639-5110	638-5010	638-5110	639-5060	639-5160	638-5060	638-5160
150	100	639-5015	639-5115	638-5015	638-5115	639-5065	639-5165	638-5065	638-5165
200	130	639-5020	639-5120	638-5020	638-5120	639-5070	639-5170	638-5070	638-5170
50	50	639-3005	639-3105	638-3005	638-3105	639-3205	639-3305	638-3205	638-3305
75	75	639-3010	639-3110	638-3010	638-3110	639-3210	639-3310	638-3210	638-3310
100	100	639-3015	639-3115	638-3015	638-3115	639-3215	639-3315	638-3215	638-3315
150	150	639-3020	639-3120	638-3020	638-3120	639-3220	639-3320	638-3220	638-3320
200	200	639-3025	639-3125	638-3025	638-3125	639-3225	639-3325	638-3225	638-3325



135° &120° Wide Base Squares

Blade (mm)	Beam (mm)	135° Carbon Steel Grade 1 Order No.	135° Carbon Steel Grade 2 Order No.	135° Stainless Steel Grade 1 Order No.	135° Stainless Steel Grade 2 Order No.	120° Carbon Steel Grade 1 Order No.	120° Carbon Steel Grade 2 Order No.	120° Stainless Steel Grade 1 Order No.	120° Stainless Steel Grade 2 Order No.
100	70	639-6005	639-6105	638-6005	638-6105	639-6055	639-6155	638-6055	638-6155
120	80	639-6007	639-6107	638-6007	638-6107	639-6060	639-6160	638-6060	638-6160
150	100	639-6010	639-6110	638-6010	638-6110	639-6065	639-6165	638-6065	638-6165
200	130	639-6015	639-6115	638-6015	638-6115	639-6070	639-6170	638-6070	638-6170
250	160	639-6020	639-6120	638-6020	638-6120	639-6075	639-6175	638-6075	638-6175
300	175	639-6025	639-6125	638-6025	638-6125	639-6080	639-6180	638-6080	638-6180

DIN875 Squares



90° Wide Base Squares

Blade (mm)	Beam (mm)	Carbon Steel Grade 0 Order No.	Carbon Steel Grade 1 Order No.	Carbon Steel Grade 2 Order No.	Stainless Steel Grade 0 Order No.	Stainless Steel Grade 1 Order No.	Stainless Steel Grade 2 Order No.
50	40	639-2105	639-2205	639-2305	638-2105	638-2205	638-2305
75	50	639-2110	639-2210	639-2310	638-2110	638-2210	638-2310
100	70	639-2115	639-2215	639-2315	638-2115	638-2215	638-2315
125	80	639-2116	639-2216	639-2316	638-2116	638-2216	638-2316
150	100	639-2120	639-2220	639-2320	638-2120	638-2220	638-2320
200	130	639-2130	639-2230	639-2330	638-2130	638-2230	638-2330
250	160	639-2132	639-2232	639-2332	638-2132	638-2232	638-2332
300	175	639-2136	639-2236	639-2336	638-2136	638-2236	638-2336
300	200	639-2135	639-2235	639-2335	638-2135	638-2235	638-2335



90° Heavy Base Squares

Blade (mm)	Beam (mm)	Carbon Steel Grade 0 Order No.	Carbon Steel Grade 1 Order No.	Carbon Steel Grade 2 Order No.	Stainless Steel Grade 0 Order No.	Stainless Steel Grade 1 Order No.	Stainless Steel Grade 2 Order No.
50	40	639-2155	639-2255	639-2355	638-2155	638-2255	638-2355
75	50	639-2160	639-2260	639-2360	638-2160	638-2260	638-2360
100	70	639-2165	639-2265	639-2365	638-2165	638-2265	638-2365
125	80	639-2166	639-2266	639-2366	638-2166	638-2266	638-2366
150	100	639-2170	639-2270	639-2370	638-2170	638-2270	638-2370
200	130	639-2175	639-2275	639-2375	638-2175	638-2275	638-2375
300	200	639-2180	639-2280	639-2380	638-2180	638-2280	638-2380



90° Knife Edge Squares

Blade (mm)	Beam (mm)	Carbon Steel Grade 0 Order No.	Carbon Steel Grade 00 Order No.	Stainless Steel Grade 0 Order No.	Stainless Steel Grade 00 Order No.	Carbon Steel Black Chrome Blades Grade 0 Order No.	Carbon Steel Black Chrome Blades Grade 00 Order No.
25	20	639-1102	639-1002	638-1102	638-1002	639-1152	639-1052
40	28	639-1103	639-1003	638-1103	638-1003	639-1153	639-1053
50	32	639-1104	639-1004	638-1104	638-1004	639-1154	639-1054
50	40	639-1105	639-1005	638-1105	638-1005	639-1155	639-1055
63	40	639-1106	639-1006	638-1106	638-1006	639-1156	639-1056
75	50	639-1110	639-1010	638-1110	638-1010	639-1160	639-1060
80	50	639-1111	639-1011	638-1111	638-1011	639-1161	639-1061
100	63	639-1112	639-1012	638-1112	638-1012	639-1162	639-1062
100	70	639-1115	639-1015	638-1115	638-1015	639-1165	639-1065
125	80	639-1116	639-1016	638-1116	638-1016	639-1166	639-1066
150	100	639-1120	639-1020	638-1120	638-1020	639-1170	639-1070
160	100	639-1121	639-1021	638-1121	638-1021	639-1171	639-1071
200	125	639-1122	639-1022	638-1122	638-1022	639-1172	639-1072
200	130	639-1125	639-1025	638-1125	638-1025	639-1175	639-1075
300	200	639-1135	639-1035	638-1135	638-1035	639-1180	639-1080



90° Wide Base Knife Edge Squares

Blade (mm)	Beam (mm)	Carbon Steel Grade 00 Order No.	Carbon Steel Grade 0 Order No.	Carbon Steel Grade 1 Order No.	Stainless Steel Grade 00 Order No.	Stainless Steel Grade 0 Order No.	Stainless Steel Grade 1 Order No.	Carbon Steel Black Chrome Blades Grade 00 Order No.	Carbon Steel Black Chrome Blades Grade 0 Order No.	Carbon Steel Black Chrome Blades Grade 1 Order No.
50	40	639-4055	639-4155	639-4255	638-4055	638-4155	638-4255	639-4655	639-4755	639-4855
75	50	639-4060	639-4160	639-4260	638-4060	638-4160	638-4260	639-4660	639-4760	639-4860
100	70	639-4065	639-4165	639-4265	638-4065	638-4165	638-4265	639-4665	639-4765	639-4865
125	80	639-4067	639-4167	639-4267	638-4067	638-4167	638-4267	639-4667	639-4767	639-4867
150	100	639-4070	639-4170	639-4270	638-4070	638-4170	638-4270	639-4670	639-4770	639-4870
200	130	639-4074	639-4175	639-4275	638-4074	638-4175	638-4275	639-4675	639-4775	639-4875



DIN875 Squares

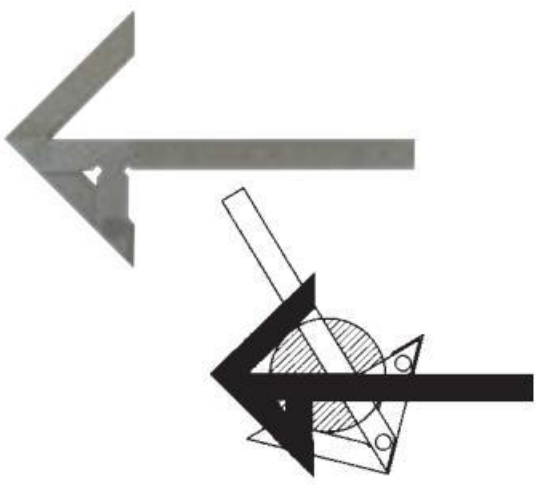
45° & 60° Squares with Wide Base

Blade (mm)	Beam (mm)	45° Carbon Steel Grade 1 Order No.	45° Carbon Steel Grade 2 Order No.	45° Stainless Steel Grade 1 Order No.	45° Stainless Steel Grade 2 Order No.	60° Carbon Steel Grade 1 Order No.	60° Carbon Steel Grade 2 Order No.	60° Stainless Steel Grade 1 Order No	60° Stainless Steel Grade 2 Order No.
100	70	639-1710	639-1810	638-1710	638-1810	639-6610	639-6710	638-6610	638-6710
125	80	639-1712	639-1812	638-1712	638-1812	639-6612	639-6712	638-6612	638-6712
150	100	639-1715	639-1815	638-1715	638-1815	639-6615	639-6715	638-6615	638-6715
200	130	639-1720	639-1820	638-1720	638-1820	639-6620	639-6720	638-6620	638-6720
250	160	639-1725	639-1825	638-1725	638-1825	639-6625	639-6725	638-6625	638-6725
300	200	639-1730	639-1830	638-1730	638-1830	639-6630	639-6730	638-6630	638-6730



DIN874 Straight Edges

Length	Carbon Steel Grade 00 Order No.	Carbon Steel Grade 0 Order No.	Stainless Steel Grade 00 Order No.	Stainless Steel Grade 0 Order No.	Carbon Steel Black Chrome Blades Grade 00 Order No.	Carbon Steel Black Chrome Blades Grade 0 Order No.
50mm	639-7003	639-7103	638-7003	638-7103	639-7053	639-7153
75mm	639-7005	639-7105	638-7005	638-7105	639-7055	639-7155
100mm	639-7010	639-7110	638-7010	638-7110	639-7060	639-7160
125mm	639-7015	639-7115	638-7015	638-7115	639-7065	639-7165
150mm	639-7020	639-7120	638-7020	638-7120	639-7070	639-7170
200mm	639-7025	639-7125	638-7025	638-7125	639-7075	639-7175
250mm	639-7030	639-7130	638-7030	638-7130	639-7080	639-7180
300mm	639-7035	639-7135	638-7035	638-7135	639-7085	639-7185
400mm	639-7040	639-7140	638-7040	638-7140	639-7090	639-7190



DIN875/1 Centering Squares

- Satin chromed finish.
- Special steel.
- Determine the center of shaft and discs rapidly.
- Graduation:0.1mm

Blade	Angle length	Carbon Steel Order No.	Stainless Steel Order No.
100mm	70mm	639-2410	638-2410
150mm	130mm	639-2415	638-2415
200mm	150mm	639-2420	638-2420
250mm	160mm	639-2425	638-2425
300mm	180mm	639-2430	638-2430

Locking Type Protractors

- Graduated from 0°-180° in opposite directions.
- Features a knurled thumb locking nut.
- Graduation 1°.



Dia. of Protractor	Length of Blade	Chrome-Plated Tool Steel Order No.	Stainless Steel Order No.	Dia. of Protractor	Length of Blade	Chrome-Plated Tool Steel Order No.	Stainless Steel Order No.
80mm	120mm	635-7781	635-7881	300mm	600mm	635-7786	635-7886
120mm	150mm	635-7782	635-7882	300mm	800mm	635-7787	635-7887
150mm	200mm	635-7783	635-7883	400mm	600mm	635-7788	635-7888
200mm	300mm	635-7784	635-7884	400mm	800mm	635-7789	635-7889
300mm	500mm	635-7785	635-7885	400mm	1000mm	635-7790	635-7890



Universal Bevel Protractors

Range	Reading Value	Order No.
0° to 320°	2”	635-7780

Riveting Type Protractors



- Graduated from 0°-180° in opposite directions.
- Features a rivet in jointing of head and arm.

Dia. of Protractor	Length of Blade	Chrome-Plated Tool Steel Order No.	Stainless Steel Order No.
80mm	120mm	**635-8010**	**635-8110**
120mm	150mm	**635-8015**	**635-8115**
150mm	200mm	**635-8020**	**635-8120**
200mm	300mm	**635-8025**	**635-8125**

Bevel Protractors

Stainless Steel



Range	Grad.	Order No.
0-180	1°	**635-7800**

Adjustable Protractors



- **M**easuring Range: 10-170°

Range	Grad.	Chrome-Plated Tool Steel Order No.	Stainless Steel Order No.
100-150mm	1°	**635-9010**	**635-9110**
150-300mm	1°	**635-9015**	**635-9115**
200-400mm	1°	**635-9020**	**635-9120**
250-500mm	1°	**635-9025**	**635-9125**
300-600mm	1°	**635-9030**	**635-9130**

Protractor and Depth Gage

Locking Type



- 0-180^{O} Graduation on head
- Rectangular Head, Stainless steel
- 6x1/4" Depth gage at 32nds,& 64ths.

Specifications	Order No.
Rectangular Head,2-1/2" Base	**635-7864**
Round Head	**635-7865**

Angle Finder

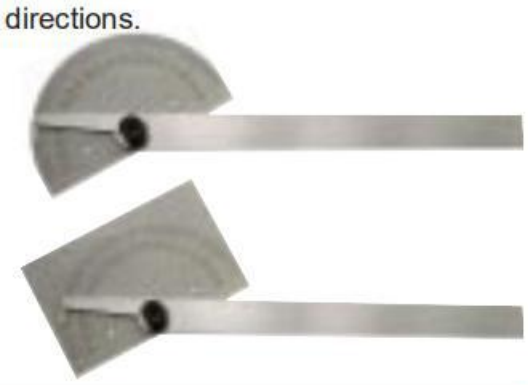
Four holes for locking when measuring specifically angle; screw off the locking knob, the measuring range could reach 360°. Lock the moving blade at any angle, make precise drawing and cutting directly. Both inside and outside angle measuring



- Metal moving blade on the front
- Aluminium fixing blade
- LCD display
- Locking knob
- High resolution 0.05°
- Power: 3VCr2032 Lithium battery

Order No. 638-8000

Locking Type Protractors



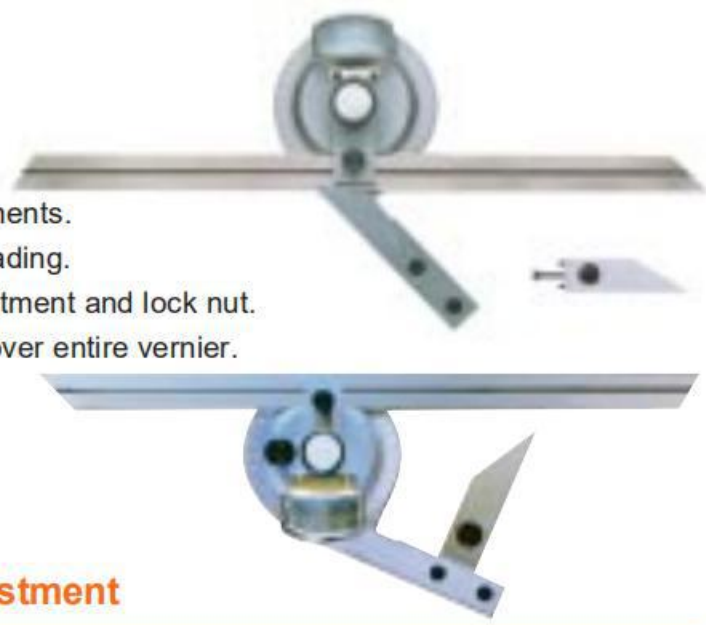
- Graduated from 0°-180° in opposite directions.
- Used for mechinists,draftsmen, layoutmen and other mechanics.
- Carbon steel.
- Graduation 1°.

" * " square head type

" ** " Round head type

Dia. of Protractors	Length of Blade	Carbon Steel Order No.	Stainless Steel Order No.
85mm	150mm	**635-7700***	**635-7860***
85mm	150mm	**635-7710****	**635-7870****

Parallax Free Universal Bevel Protractors



- 360° scale in 1° increments.
- 5 minutes minimum reading.
- With/without fine adjustment and lock nut.
- Mangnifier moveable over entire vernier.
- stainless steel.

Without Fine Adjustment

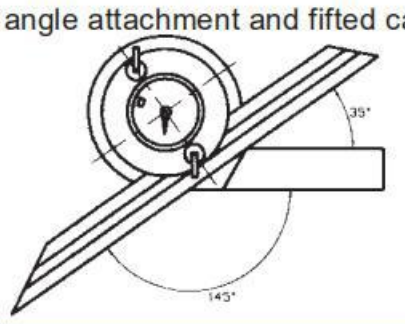
Specifications	Order No.
150mm/6" Blade, Protractor Head, acute angle attachment	**635-6545**
200mm/8" Blade, Protractor Head, acute angle attachment	**635-6547**
300mm/12" Blade, Protractor Head, acute angle attachment	**635-6549**
5 Pcs/set: 1 Protractor Head,1 acute angle attachment, 3 Blades: 150mm/6", 200mm/8" & 300mm/12"	**635-6509**

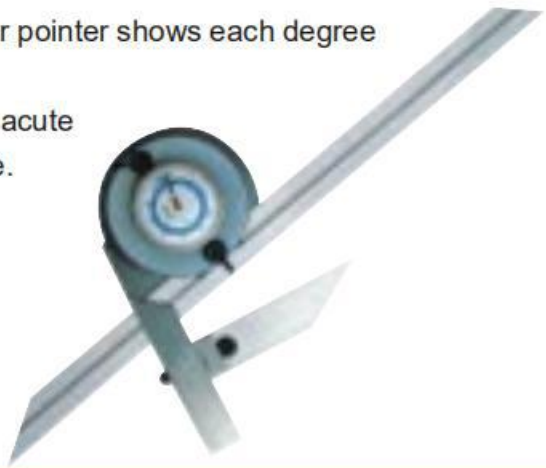
With Fine Adjustment

Specifications	Order No.
150mm/6" Blade, Protractor Head, acute angle attachment	**635-6552**
200mm/8" Blade, Protractor Head, acute angle attachment	**635-6554**
300mm/12" Blade, Protractor Head, acute angle attachment	**635-6557**
5 Pcs/set: 1 Protractor Head,1 acute angle attachment, 3 Blades: 150mm/6", 200mm/8" & 300mm/12"	**635-6508**

Universal Dial Bevel Protractors

- Dial reads each 10° and indicator pointer shows each degree and 5 minutes of angle.
- Includes protractor head, blade, acute angle attachment and fifted case.



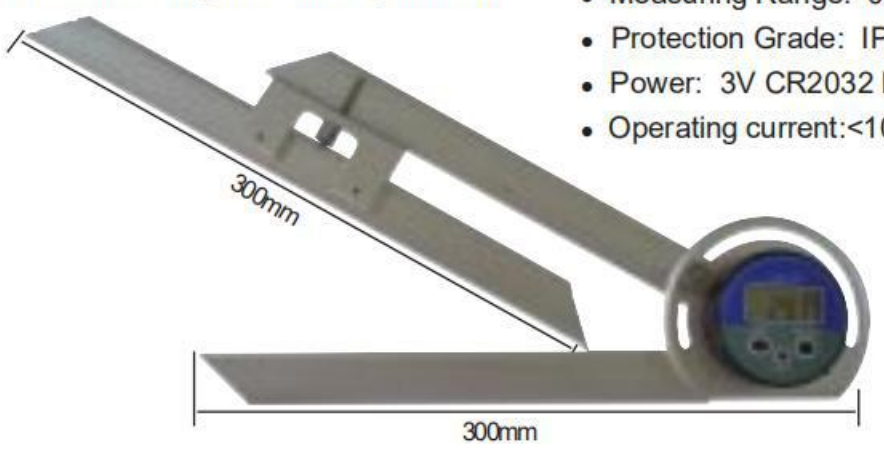


Specifications	Order No.
150mm/6" Blade, Protractor Head, acute angle attachment	**635-6601**
200mm/8" Blade, Protractor Head, acute angle attachment	**635-6602**
300mm/12" Blade, Protractor Head, acute angle attachment	**635-6603**
5 Pcs/set: 1 Protractor Head,1 acute angle attachment, 3 Blades: 150mm/6", 200mm/8" & 300mm/12"	**635-6604**

Digital Protractor

Main Functions:
The line drawing function
The exterior angle measuring function
The interior angle measuring function

Technical parameter
- Display resolution: 0.1°
- Duplication accuracy: 0.1”
- Measuring Range: 0°- 180°
- Protection Grade: IP54
- Power: 3V CR2032 lithium
- Operating current:<100μA



Order No. 638-8010

Digital Protractor

- 360 degree measure range
- Display always read upright, no matter which way the level is turned
- Precision machined stainless frame
- Simple calibration requiring no special fixtures
- Versatile measuring too, angle finder.protractor. lever three in one.

Functions	Ranges
Range	4x90°(0°-360°)
temperature	-5~50°C
humidity	<=85%RH
Resolution	0.1°
Accuracy	0° and 90° <=0.1° the rest <=0.2°



Order No. 638-8801

NEW

- Stainless Steel
- 0-360Deg, Grad 0.1Deg
- 5 Keys



Order No. 638-8815

- Stainless Steel
- 0-360Deg, Grad 0.1Deg
- 5 Keys
- Mag.V-base



Order No. 638-8817

Mini Digital Protractors

- Water Proof: IP154
- Resolution 0.1°
- Measuring range 4x90°
- Power: 3V CR2032X3 battery
- Working Temperature: 0°C~40°C
- Relative Hunidity: 40%-80%
- Dimension: 2 x 2 x 1”

NEW



with bubble level

Order No. 638-8809

Order No. 638-8806

Digital Universal Protractors

- USB data output
- Setting preset value
- Removable blade
- Changeable direction
- Zero setting at any position
- (for -quadrant) 3 measurement patterns (1 x 360°, 2 x 180°, 4 x 90°)
- Battery: Button Cell (lithium) 3V x 1pc.



Range	Resolution	Blade Length	Order No.
-360°~+360°	30” (0.008°)	150mm	**638-8015**
-360°~+360°	30” (0.008°)	200mm	**638-8020**
-360°~+360°	30” (0.008°)	300mm	**638-8030**

Universal Set

two blades: 150& 300mm, one Square: 50x60mm, range: -360Deg.+360Deg

Order No. 638-8040



Bevel Box

Bevel Box is an innovative tool that provides digital reading between +/-150°. Extra LCD is convenient to read. Small and light, it is read easy to be carried and used. Measuring plane containing disk magnet can stick to the surface to be measured. It is especially easy to measure bevel angle of miter saw, automobile test and repair and so on.

- Resolution 0.1°
- Repeatability +/-0.1°
- Measuring range +/-150.0° (0-180°)
- Water Proof: IP154
- Power: 3V CR2032 Lithium battery
- Working current: <100μA
- Dimension: 2 x 2 x 1.3”
- Measuring plane containing disk magnet can stick to the surface to be measured.



Order No. 638-8802

Metal Structure

Order No. 638-8804



with magnetic stand

Order No. 638-8805

Level Box

Technicial Data:
- Measuring range : (0-180°)
- Resolution: 0.1°
- Accuracy of Levelvial: 2’
- Repeatability: 0.1°
- Working Temperature: +5°C~+50°C
- Working current: <100μA
- Power: 3V Lithium battery (RS2302)
- Dimension: 2 x 2.5 x 1.3”



Order No. 638-8803

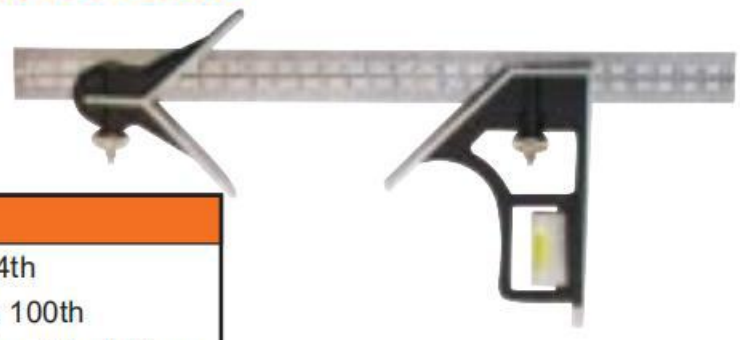
Combination Squares

2Pcs/set, Stainless Steel Blade
Measuring Range 0-180°


Type 1


Type 2

3Pcs/set, Stainless Steel Blade



Graduation
4R: 8th, 16th, 32nd, 64th
16R: 32nd, 64th, 50th, 100th
Inch/Metric: 64th, 1mm, 32nd, .5mm
Metric: Single Size .5mm/1.0mm
Metric/Inch:0.5mm/1/32"

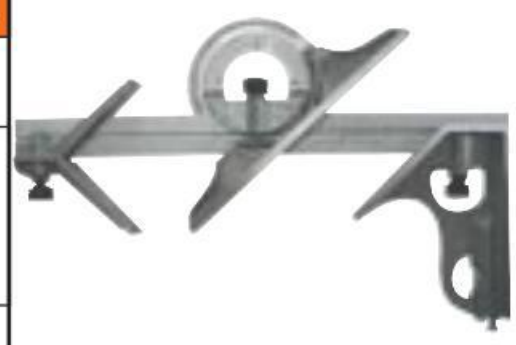
		2 Piece Set		3 Piece Set
		Type 1	Type 2	
Blade Length	Graduation	Order No.	Order No.	Order No.
6"	4R			635-7779
12"	4R	635-7765	635-7769	635-7773
12"	16R	635-7761	635-7738	635-7748
12"/300mm	Inch/Metric	635-7762	635-7739	635-7749
500mm/20"	Metric/Inch	635-7766	635-7770	635-7774
300mm	Metric	635-7767	635-7771	635-7775
500mm	Metric	635-7768	635-7772	635-7776

Combination Square Sets

4Pcs/set, Stainless Steel Blade, Measuring Range 0-180°

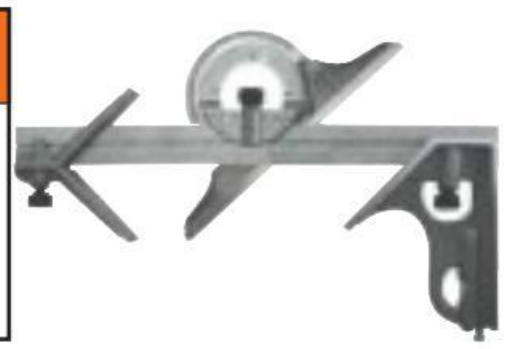
Normal Type - Blades cannot rotate 360°

Length of Blade	Graduation	Order No.
12"	4R	638-7756
12"	16R	638-7755
12"/300mm	Inch/Metric	638-7754
300mm/12"	Metric/Inch	638-7761
500mm/20"	Metric/Inch	638-7762
20"/500mm	Inch/Metric	638-7764
300mm	Metric	638-7763
500mm	Metric	638-7760



Open Type- Blades can rotate 360°

Length of Blade	Graduation	Order No.
12"	4R	638-8756
12"	16R	638-8755
12"/300mm	Inch/Metric	638-8754
300mm/12"	Metric/Inch	638-8761
300mm	Metric	638-8762



Blade	Specifications	Order No.
6"	2pcs, suqare head and rule Grad 1/8,1/16,1/32 & 1/64"	638-7706
12"	2pcs, suqare head and rule Grad 1/8,1/16,1/32 & 1/64"	638-7712
12"	2pcs, suqare head, center head and rule Grad 1/8,1/16,1/32 & 1/64"	638-7714

Digital Level

The digital level that combined with laser technology is the most advanced and easy use instrument today. It can display both degree and slope. The digital level can measure all angles in either a 360 degree range or 90 degree quadrants. The digital level also includes a backlight so the unit can used day or night. Not only can this instrument measure with a surface at level or at right angles, it can measure the angles of all slopes rise and fall.

Functions	Ranges
Range	4x90°(0°-360°)
Temperature	-5~50°C
Humidity	<=85%RH
Resolution	0.1°
Accuracy	0° and 90° <=0.1° the rest <=0.2°

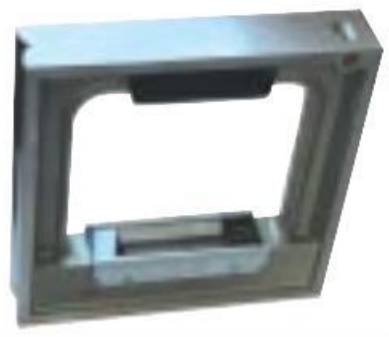


- Power: AAA3V (1.5v x2)

Order No. 638-8807

Precision Frame Spirit Levels

- Used for adjusting and checking horizontal and vertical surfaces and shafts.
- High accuracy: 0.0002" per 10", 0.0005" per 10", 0.02mm per 1000mm, 0.05mm per 1000mm.
- 2 sides with flat bearing surfaces and 2 sides with flat plus Vee bearing surfaces.
- Heat insulating top handle.



Sizes	.0002" per 10" Order No.	.0005" per 10" Order No.
6x6"	639-3906	639-3916
8x8"	639-3908	639-3918
10x10"	639-3910	639-3920
12x12"	639-3912	639-3922

Sizes	.02mm per 1m Order No.	0.05mm per 1m Order No.
150x150mm	639-3706	639-3806
200x200mm	639-3708	639-3808
250x250mm	639-3710	639-3810
300x300mm	639-3712	639-3812

Master Precision Levels

- Use for accurately checking the work of machinists and toolmakers, the setting up of machinery, and other work that requires extreme level accuracy.
- The body of level is made of cast iron.
- Base is lapped for extreme accuracy as table.



Sizes	0.0002" per 10" Order No.	0.0005" per 10" Order No.
6"	639-3606	639-3616
8"	639-3608	639-3618
10"	639-3610	639-3620
12"	639-3612	639-3622

Sizes	0.02mm per 1m Order No.	0.05mm per 1m Order No.
150mm	639-3406	639-3506
200mm	639-3408	639-3508
250mm	639-3410	639-3510
300mm	639-3412	639-3512

Bench Centers

- Used for accurate concentricity inspection.
- Accaracy:less than 0.00015" runout.
- MT2 Centers are hardened and ground.
- Indicator holder included, Indicator not included.
- Hand scraped ways, adjustable gibs.
- Head stock can be adjusted lengthwise and locked securely in any position by special lever type handle.

Distance Between Center	Swing	OAL	Order No.
20"	12"	37"	640-2001
40"	19"	55"	640-2002
12"	8-3/4"	19-5/8"	640-2004



3R-Type Hardness Tester

with Automatic Dial Weight Selection



Order No. 639-2030

Mfr's # HR-150A

- Designed for measuring hardness of metals and alloys of all kinds,hard of soft whether flat, round or irregular in shape.
- Simple in design and easy to operate, yet sensitive and accurate testing results can be obtained with these testers.
- They are ideally suitable for schools, laboratories, tool rooms, inspection and heat treatment departments and factories.
- Conforms to ISO 33804-1966 and BS: 891-1962 Part I and Part II for Rockwell test.

Loads and Indicators

Description	
Maximum Load (kgf)	150
Load Range (kgf)	60,100,150
Initial Range Load(kgf)	10
Maximum Test Height	4-1/4"
Depth of Throat	5-1/4"
Max. Depth of Spindle Below Base	2"
Size of Base	7x18"
Machine Height	24-1/2"
Approximate Net Weight (lbs)	150

Standard Accessories Included:

Description	Order No.
5-3/4" Testing Table	HARD-100
2-3/16" Testing Table	HARD-101
2-3/16" Testing Table with "V" groove	HARD-102
120° Diamond Penetrator	HARD-103
1/16" Steel Ball Penetrator	HARD-104
Rockwell Test Block HRA80-88	HARD-106
Rockwell Standard Block HRB 85-95	HARD-107
Rockwell Test Block HRC60-70	HARD-108
Rockwell Standard Block HRC35-55	HARD-109
Rockwell Standard Block HRC20-30	HARD-110
Large Screw Driver	HARD-111
Small Screw Driver	HARD-112
Accessory case	HARD-113

Different Rockwell Hardness Scales

Scale	Penetrator	Loading(kgf)	Applications	Brinell vale	Working Range
A	Diamond 120°	60	Carbide, Thin steel, Shallow Case-Hardened steel, Case-Carbonized surfaces	Over HB400	40-91 for hardness greater than C65
B	1/16" Ball	100	Aluminum alloys,Copper alloys, Unhardened steel etc. In rolled, Draw, Extruded or Cast metal	HRB 100-240	30-100 for hardness lower than C20
C	Diamond 120°	150	Hard cast irons, Pearlitic malleable iron, Steel, Deep case hardened steel, Titanium	Over HRB230	20-70 for hardness lower than HRB100
D	Diamond 120°	100	Pearlitic malleable iron,Thin steel & Medium case-hardened steel	Over HRB400	40-77 for intermediate load between A & C scale
E	1/8" Ball	100	Cast iron, Aluminum and magnesium alloys, Bearing metal	Below HRB125	50-100 for hardness lower than HRB0
F	1/16" Ball	60	Thin soft sheet metals, Annealed copper alloys	HRB 50-120	30-100 for hardness lower than HRB0
G	1/16" Ball	150	Copper-Nickel-Zinc and Cupro-Nickel alloys, Malleable irons	HRB 120-280	30-90 for hardness slightly > than HRB 100 upper limit G92
H	1/8" Ball	60	Lead, Zinc, Aluminum,Magesium alloys	HRB 30-50	70-100
K	1/8" Ball	150	Bearing metals, very soft or thin material	HRB 100-200	40-100

12" Basic Bench Top Optical Comparator

NEW

- 12", 220V/50Hz, 10X magnifier,
- two 0-1" indicators,
- T-slot stage with a travel 6" horizontally and 2-1/2/" vertically,
- illumination



Order No. 105-0000

14"Optical Comparator

Horizontal Benchtop Model

- Compact workstage with two dial indicators for measuring travels of X and Y axis.
- Complete set of the objective lens magnifications for different measuring range.
- Projection lens for a large view field and sharp image at the optimum intensity of brightness.

Protractor Screen.....14(355.6mm)
Magnifications.....10X, 20X, 40X
Max. Workpiece Diameter.....
.....1.4(35.6mm), 0.7(17.8mm), 0.35(8.9mm)
Workstage travel.....6(152.4mm) horizontal,
2(50.8mm) verticall , Focus1(25.4mm)
Measurement Display system.....
.....Dial Indicator 0-1"(.001 or 30mm(.01mm)
Vernier Protractor graduation.....5"
Dimensions.....900mmx400mmx800mm



Order No. 640-2000

Dial Rockwell Hardness Tester

Automatic Load

- Automatic load and release control.
- An advanced frictionless loading shaft mechanism is adopted. It can ensure the accurate and reliable test.

Standard

Measuring Range.....20-88HRA, 20-100HRB, 20-70HRC
Test Force.....588.4, 980.7, 1471N(60, 100, 150kgf)
Max. Specimen Height.....170mm
Depth of Throat.....130mm
Grad. of Hardness Display..... 0.5HR
PowerSupply. ..... 220V AC or 110V AC, 50/60Hz
Dimensions.....500 x 250 x 700mm
Weight.....75kg



Order No.639-2068
Mfr's # HRD-150

Accessories(included):

Large Flat Anvil: 1 pc.
Small Flat Anvil: 1 pc.
V-notch Anvil: 1 pc.
1/16" Steel Ball Penetrator: 1 pc.
Diamond Cone Penetrator: 1 pc.
Rockwell Standardized Block: 5 pcs.

Superficial

Measuring Range.....70-94HR/15N, 42-86HR/30N, 20-77HR/45N,
67-93HR/15T, 29-82HR/30T, 10-72HR/45T
Test Force..... 147.1, 294.2, 441.3N (15, 30, 45kgf)
Max. Specimen Height.....150mm
Depth of Throat.....120mm
Grad. of Hardness Display.....0.5HRN(T)
Power Supply..... 220V AC or 110V AC, 50/60Hz
Dimensions.....500 x 250 x 700mm
Weight.....75kg



Order No.639-2063
Mfr's # HSRD-45

Accessories(included):

Large Flat Anvil: 1 pc.
Small Flat Anvil: 1 pc.
V-notch Anvil: 1 pc.
1/16" Steel Ball Penetrator: 1 pc.
Diamond Cone Penetrator: 1 pc.
Superficial Rockwell Standardized Block: 4 pcs.

Digital Rockwell Hardness Tester

Automatic Load

- Automatic load and release control
- An advanced frictionless loading shaft mechanism is adopted. It can ensure the accurate and reliable test.
- LED digital reading..

Standard

Measuring Range.....20-88HRA, 20-100HRB, 20-70HRC
Test Force.....588.4, 980.7, 1471N (60, 100, 150kgf)
Max. Specimen Height.....170mm
Depth of Throat.....130mm
Grad. of Hardness Display..... 0.1HR
Power Supply..... 220V AC or 110V AC, 50/60Hz
Dimensions..... 500 x 250 x 700mm
Weight..... 75kg



Order No.639-2061
Mfr's # HRS-150

Accessories(included):

Large Flat Anvil: 1 pc.
Small Flat Anvil: 1 pc.
Large V-Notch Anvil: 1 pc.
Diamond Cone Penetrator: 1 pc.
1/16" Steel Ball Penetrator: 1 pc.
Rockwell Standardized Block: 5 pcs.
Printer: 1 pc.

Superficial

Measuring Range.....70-94HR/15N,42-86HR/30N,20-77HR/45N,
67-93HR/15T,29-82HR/30T,10-72HR/45T
Test Force.....147.1, 294.2, 441.3N (15, 30, 45kgf)
Max. Specimen Height.....150mm
Depth of Throat.....120mm
Grad. of Hardness Display..... 0.1HRN(T)
Power Supply.....220V AC or 110V AC, 50/60Hz
Dimensions.....500 x 240 x 700mm
Weight..... 68kg



Order No.639-2062
Mfr's # HSRS-45

Accessories(included):

Large Flat Anvil: 1 pc.
Small Flat Anvil: 1 pc.
Large V-Notch Anvil: 1 pc.
Diamond Cone Penetrator: 1 pc.
1/16" Steel Ball Penetrator: 1 pc.
Superficial Rockwell Standardized Block: 4 pcs.
Printer: 1 pc.

Dial Shore Durometers

- Used for testing the hardness of flexible material.
- Shore A is suitable for testing soft, natural and neoprene rubber products.

Shore A
Sharp 35° Blunt Taper
Hardness: 0-100HA
Dial Range: 0-25mm
Presser: 0.55-8.06N(56-821g)



Order No.639-2071

Shore D (for hard rubber and plastic)
Sharp 30° Point
Hardness: 0-100HD
Dial Range: 0-25mm
Presser: 0-44.5N(0-4450g)



Order No.639-2072

Shore C
Hardness: 0-100HA



Order No.639-2074

Shore A
Lightweight
Chrome Finish



Order No.639-2073

Digital Vickers Hardness Tester

- Computer and angular displacement sensor are adopted so that the test procedure, hardness value display and data-printing are performed automatically.
- An advanced frictionless loading shaft mechanism is adopted. It can ensure the accurate and reliable test.
- The operating system can be changed between Chinese and English.
- LCD Screen .

Microhardness

Measuring Range.....5-3000HV
Test Force..... 0.09807, 0.2452, 0.4904, 0.9807, 1.961,2.942, 4.904, 9.807N (10, 25, 50, 100, 200, 300, 500, 1000gf)
Magnifications.....500x 125x
Grad. of Microscope.....0.000025m
Max. Specimen Height 75mm
Depth of Throat.....100mm
Power Supply... 220V AC or 110V AC, 50/60Hz
Dimensions.....340 x 160 x 378mm
Weight..... 40kg



Order No.639-2066
Mfr's # HVS-1000

Accessories(included):

Coordinate Anvil: 1 pc.
Diamond Pyramid Penetrator: 1 pc.
Micro-Vickers Standardized Block: 2 pcs.
Thin Shaft Anvil: 1 pc.
Flat Nose Pliers: 1 pc.
Large V-Notch Anvil: 1 pc.
Small V-Notch Anvil: 1 pc.
Thin Plate Anvil: 1 pc.
Printer: 1 pc.

Low Load

Measuring Range.....5-3000HV
Test Force.....1.961, 2.942, 4.903, 9.807, 19.61, 24.52, 29.42, 49.03N (0.2, 0.3, 0.5, 1, 2, 2.5, 3, 5kgf)
Magnifications.....500x, 125x
Grad. of Microscope.....0.000025m
Max. Specimen Height.....130mm
Depth of Throat.....100mm
Power Supply..... 220V AC or 110V AC, 50/60Hz
Dimensions.....410 x 200 x 620mm
Weight.....Approx. 50kg



Order No.639-2064
Mfr's # HVS-5

Accessories(included):

Coordinate Anvil: 1 pc.
Thin Shaft Anvil: 1 pc.
Thin Plate Anvil: 1 pc.
Flat Nose Pliers: 1 pc.
Large V-Notch Anvil: 1 pc.
Small V-Notch Anvil: 1 pc.
Diamond Pyramid Penetrator: 1 pc.
Vickers Standardized Block: 2 pcs.
Micro-Vickers Standardized Block: 1 pc.
Printer: 1 pc.

Standard

- The test result can be converted into various hardness values automatically.

Measuring Range.....5-2900HV
Test Force.....9.807, 49.03, 98.07, 196.1, 294.2, 490.3N (1, 5, 10, 20, 30, 50kgf)
Max. Specimen Height.....180mm
Depth of Throat.....125mm
Magnifications.....125x, 50x
Grad. of Microscope.....0.001mm
Power Supply.....220V AC or 110V AC, 50/60Hz
Dimensions..... 580 x 260 x 730mm
Weight.....90kg



Order No.639-2065
Mfr's # HVS-50

Accessories(included):

Large Flat Anvil: 1 pc.
Small Flat Anvil: 1 pc.
V-Notch Anvil: 1 pc.
Diamond Pyramid Penetrator: 1 pc.
Vickers Standardized Block: 3 pcs.
Printer: 1 pc.

Digital Brinell Hardness Tester

Lower Load

- The test procedure is performed automatically.
- The test result can be converted into various hardness values automatically.
- An advanced frictionless loading shaft mechanism is adopted. It can ensure the accurate and reliable test.
- The programed menu operating system can be changed between Chinese and Englis.
- LCD Screen

Measuring Range.....4-450HBS, 4-650HBW
Test Force.....9.807, 49.03, 98.07, 153.2, 294.2, 612.9N (1, 5, 10, 15.625, 30, 62.5kgf)
Max. Specimen Height.....180mm
Depth of throat.....125mm
Magnifications.....125X, 50X
Grad. of Optical Micrometer.....0.001m, 0.0025m
Power Supply.....220V AC or 110V AC, 50/60Hz
Dimensions..... 580 x 260 x 730mm
Weight.....90kg



Order No.639-2067
Mfr's # HBS-62.5

Accessories(included):

Large Flat Anvil: 1 pc.
Small Flat Anvil: 1 pc.
V-Notch Anvil: 1 pc.
Steel Ball Penetrator: 1 each of 1, 2&2.5mm Diameter,
Brinell Standardized Block: 3 pcs.
Printer: 1 pc.

Inch Pin Gage Sets

- Laser marking size, size is quite clear.
- Each set has a certificate, to state the accuracy of each size.
- Smooth finish 10 micro or better
- Uniform 2" length.
- A must for checking hole diameter & dis tance between holes and hole location.
- Sizes marked on storage case.
- All gages within 0.0002".



Set without Handle



Black without Handle

No. of Piece	Type	Size	w/o Handle Order No.	Black with Handle Order No.
50	M0 Plus	0.011 to 0.060	**616-8100**	**616-9200**
50	M0 Minus	0.011 to 0.060	**616-8101**	**616-9201**
50	M0 Plus	0.115 to 0.605	**616-8102**	
190	M1 Plus	0.061 to 0.250	**616-8110**	**616-9210**
190	M1 Minus	0.061 to 0.250	**616-8111**	**616-9211**
190	M1 Plus	0.0615 to 0.2505	**616-8112**	
250	M2 Plus	0.251 to 0.500	**616-8120**	**616-9220**
250	M2 Minus	0.251 to 0.500	**616-8121**	**616-9221**
250	M2 Plus	0.2515 to 0.5005	**616-8122**	
125	M3 Plus	0.501 to 0.625	**616-8130**	**616-9230**
125	M3 Minus	0.501 to 0.625	**616-8131**	**616-9231**
125	M4 Plus	0.626 to 0.750	**616-8140**	**616-9240**
125	M4 Minus	0.626 to 0.750	**616-8141**	**616-9241**
82	M5 Plus	0.751 to 0.832	**616-8150**	**616-9250**
82	M5 Minus	0.751 to 0.832	**616-8151**	**616-9251**
84	M6 Plus	0.833 to 0.916	**616-8160**	**616-9260**
84	M6 Minus	0.833 to 0.916	**616-8161**	**616-9261**
84	M7 Plus	0.917 to 1.000	**616-8170**	**616-9270**
84	M7 Minus	0.917 to 1.000	**616-8171**	**616-9271**

Metric Pin Gage Sets

- Heat treated to a hardness of 60/62 HRC.
- 50mm overall length with sharp corners broken.
- Sets include case.





No. of Piece	Range(mm)	Step (mm)	Tolerance +0.002mm Order No.	-0.002mm Order No.	+/-0.001mm Order No.	+/-0.002mm Order No.	+0.005mm Order No.	-0.005mm Order No.
71	0.3-1.00	0.01	**616-3071**	**616-4071**	**616-5071**	**616-6071**	**616-7071**	**616-9071**
100	1.01-2.00	0.01	**616-3102**	**616-4102**	**616-5102**	**616-6102**	**616-7102**	**616-9102**
100	2.01-3.00	0.01	**616-3103**	**616-4103**	**616-5103**	**616-6103**	**616-7103**	**616-9103**
100	3.01-4.00	0.01	**616-3104**	**616-4104**	**616-5104**	**616-6104**	**616-7104**	**616-9104**
100	4.01-5.00	0.01	**616-3105**	**616-4105**	**616-5105**	**616-6105**	**616-7105**	**616-9105**
100	5.01-6.00	0.01	**616-3106**	**616-4106**	**616-5106**	**616-6106**	**616-7106**	**616-9106**
100	6.01-7.00	0.01	**616-3107**	**616-4107**	**616-5107**	**616-6107**	**616-7107**	**616-9107**
100	7.01-8.00	0.01	**616-3108**	**616-4108**	**616-5108**	**616-6108**	**616-7108**	**616-9108**
100	8.01-9.00	0.01	**616-3109**	**616-4109**	**616-5109**	**616-6109**	**616-7109**	**616-9109**
100	9.01-10.00	0.01	**616-3111**	**616-4111**	**616-5111**	**616-6111**	**616-7111**	**616-9111**
900	1.01-10.00	0.01	**616-3900**	**616-4900**	**616-5900**	**616-6900**	**616-7900**	**616-9900**
86	.030-2.00	0.02	**616-3086**	**616-4086**	**616-5086**	**616-6086**	**616-7086**	**616-9086**
100	2.02-4.00	0.02	**616-3114**	**616-4114**	**616-5114**	**616-6114**	**616-7114**	**616-9114**
100	4.02-6.00	0.02	**616-3116**	**616-4116**	**616-5116**	**616-6116**	**616-7116**	**616-9116**
100	6.02-8.00	0.02	**616-3118**	**616-4118**	**616-5118**	**616-6118**	**616-7118**	**616-9118**
100	8.02-10.00	0.02	**616-3119**	**616-4119**	**616-5119**	**616-6119**	**616-7119**	**616-9119**
95	0.30-5.00	0.05	**616-3095**	**616-4095**	**616-5095**	**616-6095**	**616-7095**	**616-9095**
100	5.05-10.00	0.05	**616-3022**	**616-4022**	**616-5022**	**616-6022**	**616-7022**	**616-9022**
48	0.30-5.00	0.10	**616-3048**	**616-4048**	**616-5048**	**616-6048**	**616-7048**	**616-9048**
98	0.30-10.00	0.10	**616-3098**	**616-4098**	**616-5098**	**616-6098**	**616-7098**	**616-9098**
41	1.00-5.00	0.10	**616-3041**	**616-4041**	**616-5041**	**616-6041**	**616-7041**	**616-9041**
91	1.00-10.00	0.10	**616-3091**	**616-4091**	**616-5091**	**616-6091**	**616-7091**	**616-9091**
101	10.00-20.00	0.10	**616-3101**	**616-4101**	**616-5101**	**616-6101**	**616-7101**	**616-9101**
40	0.50-20.00	0.50	**616-3040**	**616-4040**	**616-5040**	**616-6040**	**616-7040**	**616-9040**
20	1.00-20.00	1.00	**616-3020**	**616-4020**	**616-5020**	**616-6020**	**616-7020**	**616-9020**
5	0.300-1.525	0.025	**616-3050**	**616-4050**	**616-5050**	**616-6050**	**616-7050**	**616-9050**
190	1.550-6.275	0.025	**616-3190**	**616-4190**	**616-5190**	**616-6190**	**616-7190**	**616-9190**
140	6.300-9.775	0.025	**616-3140**	**616-4140**	**616-5140**	**616-6140**	**616-7140**	**616-9140**
110	9.800-12.525	0.025	**616-3110**	**616-4110**	**616-5110**	**616-6110**	**616-7110**	**616-9110**
61	13.000-19.000	0.100	**616-3061**	**616-4061**	**616-5061**	**616-6061**	**616-7061**	**616-9061**

Individual Pin Gages

615-xxxx for Plus Tolerance **616-xxxx for Minus Tolerance**
615-3xxx for Plus Black **615-8xxx for Minus Black**

Size	Order No.	Size	Order No.	Size	Order No.	Size	Order No.	Size	Order No.	Size	Order No.
0.011”	XXX-x011	0.094”	XXX-x094	0.177”	XXX-x177	0.260”	XXX-x260	0.343”	XXX-x343	0.426”	XXX-x426
0.012”	XXX-x012	0.095”	XXX-x095	0.178”	XXX-x178	0.261”	XXX-x261	0.344”	XXX-x344	0.427”	XXX-x427
0.013”	XXX-x013	0.096”	XXX-x096	0.179”	XXX-x179	0.262”	XXX-x262	0.345”	XXX-x345	0.428”	XXX-x428
0.014”	XXX-x014	0.097”	XXX-x097	0.180”	XXX-x180	0.263”	XXX-x263	0.346”	XXX-x346	0.429”	XXX-x429
0.015”	XXX-x015	0.098”	XXX-x098	0.181”	XXX-x181	0.264”	XXX-x264	0.347”	XXX-x347	0.430”	XXX-x430
0.016”	XXX-x016	0.099”	XXX-x099	0.182”	XXX-x182	0.265”	XXX-x265	0.348”	XXX-x348	0.431”	XXX-x431
0.017”	XXX-x017	0.100”	XXX-x100	0.183”	XXX-x183	0.266”	XXX-x266	0.349”	XXX-x349	0.432”	XXX-x432
0.018”	XXX-x018	0.101”	XXX-x101	0.184”	XXX-x184	0.267”	XXX-x267	0.350”	XXX-x350	0.433”	XXX-x433
0.019”	XXX-x019	0.102”	XXX-x102	0.185”	XXX-x185	0.268”	XXX-x268	0.351”	XXX-x351	0.434”	XXX-x434
0.020”	XXX-x020	0.103”	XXX-x103	0.186”	XXX-x186	0.269”	XXX-x269	0.352”	XXX-x352	0.435”	XXX-x435
0.021”	XXX-x021	0.104”	XXX-x104	0.187”	XXX-x187	0.270”	XXX-x270	0.353”	XXX-x353	0.436”	XXX-x436
0.022”	XXX-x022	0.105”	XXX-x105	0.188”	XXX-x188	0.271”	XXX-x271	0.354”	XXX-x354	0.437”	XXX-x437
0.023”	XXX-x023	0.106”	XXX-x106	0.189”	XXX-x189	0.272”	XXX-x272	0.355”	XXX-x355	0.438”	XXX-x438
0.024”	XXX-x024	0.107”	XXX-x107	0.190”	XXX-x190	0.273”	XXX-x273	0.356”	XXX-x356	0.439”	XXX-x439
0.025”	XXX-x025	0.108”	XXX-x108	0.191”	XXX-x191	0.274”	XXX-x274	0.357”	XXX-x357	0.440”	XXX-x440
0.026”	XXX-x026	0.109”	XXX-x109	0.192”	XXX-x192	0.275”	XXX-x275	0.358”	XXX-x358	0.441”	XXX-x441
0.027”	XXX-x027	0.110”	XXX-x110	0.193”	XXX-x193	0.276”	XXX-x276	0.359”	XXX-x359	0.442”	XXX-x442
0.028”	XXX-x028	0.111”	XXX-x111	0.194”	XXX-x194	0.277”	XXX-x277	0.360”	XXX-x360	0.443”	XXX-x443
0.029”	XXX-x029	0.112”	XXX-x112	0.195”	XXX-x195	0.278”	XXX-x278	0.361”	XXX-x361	0.444”	XXX-x444
0.030”	XXX-x030	0.113”	XXX-x113	0.196”	XXX-x196	0.279”	XXX-x279	0.362”	XXX-x362	0.445”	XXX-x445
0.031”	XXX-x031	0.114”	XXX-x114	0.197”	XXX-x197	0.280”	XXX-x280	0.363”	XXX-x363	0.446”	XXX-x446
0.032”	XXX-x032	0.115”	XXX-x115	0.198”	XXX-x198	0.281”	XXX-x281	0.364”	XXX-x364	0.447”	XXX-x447
0.033”	XXX-x033	0.116”	XXX-x116	0.199”	XXX-x199	0.282”	XXX-x282	0.365”	XXX-x365	0.448”	XXX-x448
0.034”	XXX-x034	0.117”	XXX-x117	0.200”	XXX-x200	0.283”	XXX-x283	0.366”	XXX-x366	0.449”	XXX-x449
0.035”	XXX-x035	0.118”	XXX-x118	0.201”	XXX-x201	0.284”	XXX-x284	0.367”	XXX-x367	0.450”	XXX-x450
0.036”	XXX-x036	0.119”	XXX-x119	0.202”	XXX-x202	0.285”	XXX-x285	0.368”	XXX-x368	0.451”	XXX-x451
0.037”	XXX-x037	0.120”	XXX-x120	0.203”	XXX-x203	0.286”	XXX-x286	0.369”	XXX-x369	0.452”	XXX-x452
0.038”	XXX-x038	0.121”	XXX-x121	0.204”	XXX-x204	0.287”	XXX-x287	0.370”	XXX-x370	0.453”	XXX-x453
0.039”	XXX-x039	0.122”	XXX-x122	0.205”	XXX-x205	0.288”	XXX-x288	0.371”	XXX-x371	0.454”	XXX-x454
0.040”	XXX-x040	0.123”	XXX-x123	0.206”	XXX-x206	0.289”	XXX-x289	0.372”	XXX-x372	0.455”	XXX-x455
0.041”	XXX-x041	0.124”	XXX-x124	0.207”	XXX-x207	0.290”	XXX-x290	0.373”	XXX-x373	0.456”	XXX-x456
0.042”	XXX-x042	0.125”	XXX-x125	0.208”	XXX-x208	0.291”	XXX-x291	0.374”	XXX-x374	0.457”	XXX-x457
0.043”	XXX-x043	0.126”	XXX-x126	0.209”	XXX-x209	0.292”	XXX-x292	0.375”	XXX-x375	0.458”	XXX-x458
0.044”	XXX-x044	0.127”	XXX-x127	0.210”	XXX-x210	0.293”	XXX-x293	0.376”	XXX-x376	0.459”	XXX-x459
0.045”	XXX-x045	0.128”	XXX-x128	0.211”	XXX-x211	0.294”	XXX-x294	0.377”	XXX-x377	0.460”	XXX-x460
0.046”	XXX-x046	0.129”	XXX-x129	0.212”	XXX-x212	0.295”	XXX-x295	0.378”	XXX-x378	0.461”	XXX-x461
0.047”	XXX-x047	0.130”	XXX-x130	0.213”	XXX-x213	0.296”	XXX-x296	0.379”	XXX-x379	0.462”	XXX-x462
0.048”	XXX-x048	0.131”	XXX-x131	0.214”	XXX-x214	0.297”	XXX-x297	0.380”	XXX-x380	0.463”	XXX-x463
0.049”	XXX-x049	0.132”	XXX-x132	0.215”	XXX-x215	0.298”	XXX-x298	0.381”	XXX-x381	0.464”	XXX-x464
0.050”	XXX-x050	0.133”	XXX-x133	0.216”	XXX-x216	0.299”	XXX-x299	0.382”	XXX-x382	0.465”	XXX-x465
0.051”	XXX-x051	0.134”	XXX-x134	0.217”	XXX-x217	0.300”	XXX-x300	0.383”	XXX-x383	0.466”	XXX-x466
0.052”	XXX-x052	0.135”	XXX-x135	0.218”	XXX-x218	0.301”	XXX-x301	0.384”	XXX-x384	0.467”	XXX-x467
0.053”	XXX-x053	0.136”	XXX-x136	0.219”	XXX-x219	0.302”	XXX-x302	0.385”	XXX-x385	0.468”	XXX-x468
0.054”	XXX-x054	0.137”	XXX-x137	0.220”	XXX-x220	0.303”	XXX-x303	0.386”	XXX-x386	0.469”	XXX-x469
0.055”	XXX-x055	0.138”	XXX-x138	0.221”	XXX-x221	0.304	XXX-x304	0.387”	XXX-x387	0.470”	XXX-x470
0.056”	XXX-x056	0.139”	XXX-x139	0.222”	XXX-x222	0.305”	XXX-x305	0.388”	XXX-x388	0.471”	XXX-x471
0.057”	XXX-x057	0.140”	XXX-x140	0.223”	XXX-x223	0.306”	XXX-x306	0.389”	XXX-x389	0.472”	XXX-x472
0.058”	XXX-x058	0.141”	XXX-x141	0.224”	XXX-x224	0.307”	XXX-x307	0.390”	XXX-x390	0.473”	XXX-x473
0.059”	XXX-x059	0.142”	XXX-x142	0.225”	XXX-x225	0.308”	XXX-x308	0.391”	XXX-x391	0.474”	XXX-x474
0.060”	XXX-x060	0.143”	XXX-x143	0.226”	XXX-x226	0.309”	XXX-x309	0.392”	XXX-x392	0.475”	XXX-x475
0.061”	XXX-x061	0.144”	XXX-x144	0.227”	XXX-x227	0.310”	XXX-x310	0.393”	XXX-x393	0.476”	XXX-x476
0.062”	XXX-x062	0.145”	XXX-x145	0.228”	XXX-x228	0.311”	XXX-x311	0.394”	XXX-x394	0.477”	XXX-x477
0.063”	XXX-x063	0.146”	XXX-x146	0.229”	XXX-x229	0.312”	XXX-x312	0.395”	XXX-x395	0.478”	XXX-x478
0.064”	XXX-x064	0.147”	XXX-x147	0.230”	XXX-x230	0.313”	XXX-x313	0.396”	XXX-x396	0.479”	XXX-x479
0.065”	XXX-x065	0.148”	XXX-x148	0.231”	XXX-x231	0.314”	XXX-x314	0.397”	XXX-x397	0.480”	XXX-x480
0.066”	XXX-x066	0.149”	XXX-x149	0.232”	XXX-x232	0.315”	XXX-x315	0.398”	XXX-x398	0.481”	XXX-x481
0.067”	XXX-x067	0.150”	XXX-x150	0.233”	XXX-x233	0.316”	XXX-x316	0.399”	XXX-x399	0.482”	XXX-x482
0.068”	XXX-x068	0.151”	XXX-x151	0.234”	XXX-x234	0.317”	XXX-x317	0.400”	XXX-x400	0.483”	XXX-x483
0.069”	XXX-x069	0.152”	XXX-x152	0.235”	XXX-x235	0.318”	XXX-x318	0.401”	XXX-x401	0.484”	XXX-x484
0.070”	XXX-x070	0.153”	XXX-x153	0.236”	XXX-x236	0.319”	XXX-x319	0.402”	XXX-x402	0.485”	XXX-x485
0.071”	XXX-x071	0.154”	XXX-x154	0.237”	XXX-x237	0.320”	XXX-x320	0.403”	XXX-x403	0.486”	XXX-x486
0.072”	XXX-x072	0.155”	XXX-x155	0.238”	XXX-x238	0.321”	XXX-x321	0.404”	XXX-x404	0.487”	XXX-x487
0.073”	XXX-x073	0.156”	XXX-x156	0.239”	XXX-x239	0.322”	XXX-x322	0.405”	XXX-x405	0.488”	XXX-x488
0.074”	XXX-x074	0.157”	XXX-x157	0.240”	XXX-x240	0.323”	XXX-x323	0.406”	XXX-x406	0.489”	XXX-x489
0.075”	XXX-x075	0.158”	XXX-x158	0.241”	XXX-x241	0.324”	XXX-x324	0.407”	XXX-x407	0.490”	XXX-x490
0.076”	XXX-x076	0.159”	XXX-x159	0.242”	XXX-x242	0.325”	XXX-x325	0.408”	XXX-x408	0.491”	XXX-x491
0.077”	XXX-x077	0.160”	XXX-x160	0.243”	XXX-x243	0.326”	XXX-x326	0.409”	XXX-x409	0.492”	XXX-x492
0.078”	XXX-x078	0.161”	XXX-x161	0.244”	XXX-x244	0.327”	XXX-x327	0.410”	XXX-x410	0.493”	XXX-x493
0.079”	XXX-x079	0.162”	XXX-x162	0.245”	XXX-x245	0.328”	XXX-x328	0.411”	XXX-x411	0.494”	XXX-x494
0.080”	XXX-x080	0.163”	XXX-x163	0.246”	XXX-x246	0.329”	XXX-x329	0.412”	XXX-x412	0.495”	XXX-x495
0.081”	XXX-x081	0.164”	XXX-x164	0.247”	XXX-x247	0.330”	XXX-x330	0.413”	XXX-x413	0.496”	XXX-x496
0.082”	XXX-x082	0.165”	XXX-x165	0.248”	XXX-x248	0.331”	XXX-x331	0.414”	XXX-x414	0.497”	XXX-x497
0.083”	XXX-x083	0.166”	XXX-x166	0.249”	XXX-x249	0.332”	XXX-x332	0.415”	XXX-x415	0.498”	XXX-x498
0.084”	XXX-x084	0.167”	XXX-x167	0.245”	XXX-x250	0.333”	XXX-x333	0.416”	XXX-x416	0.499”	XXX-x499
0.085”	XXX-x085	0.168”	XXX-x168	0.251”	XXX-x251	0.334”	XXX-x334	0.417”	XXX-x417	0.500”	XXX-x500
0.086”	XXX-x086	0.169”	XXX-x169	0.252”	XXX-x252	0.335”	XXX-x335	0.418”	XXX-x418	0.501”	XXX-x501
0.087”	XXX-x087	0.170”	XXX-x170	0.253”	XXX-x253	0.336”	XXX-x336	0.419”	XXX-x419	0.502”	XXX-x502
0.088”	XXX-x088	0.171”	XXX-x171	0.254”	XXX-x254	0.337”	XXX-x337	0.420”	XXX-x420	0.503”	XXX-x503
0.089”	XXX-x089	0.172”	XXX-x172	0.255”	XXX-x255	0.338”	XXX-x338	0.421”	XXX-x421	0.504”	XXX-x504
0.090”	XXX-x090	0.173”	XXX-x173	0.256”	XXX-x256	0.339”	XXX-x339	0.422”	XXX-x422	0.505”	XXX-x505
0.091”	XXX-x091	0.174”	XXX-x174	0.257”	XXX-x257	0.340”	XXX-x340	0.423”	XXX-x423	0.506”	XXX-x506
0.092”	XXX-x092	0.175”	XXX-x175	0.258”	XXX-x258	0.341”	XXX-x341	0.424”	XXX-x424	0.507”	XXX-x507
0.093”	XXX-x093	0.176”	XXX-x176	0.259”	XXX-x259	0.342”	XXX-x342	0.425”	XXX-x425	0.508”	XXX-x508

Individual Pin Gages

615-xxxx for Plus Tolerance **616-xxxx for Minus Tolerance**
615-3xxx for Plus Black **615-8xxx for Minus Black**

Size	Order No.	Size	Order No.	Size	Order No.	Size	Order No.	Size	Order No.	Size	Order No.
0.509"	XXX-x509	0.592"	XXX-x592	0.675"	XXX-x675	0.758"	XXX-x758	0.841"	XXX-x841	0.924"	XXX-x924
0.510"	XXX-x510	0.593"	XXX-x593	0.676"	XXX-x676	0.759"	XXX-x759	0.842"	XXX-x842	0.925"	XXX-x925
0.511"	XXX-x511	0.594"	XXX-x594	0.677"	XXX-x677	0.760"	XXX-x760	0.843"	XXX-x843	0.926"	XXX-x926
0.512"	XXX-x512	0.595"	XXX-x595	0.678"	XXX-x678	0.761"	XXX-x761	0.844"	XXX-x844	0.927"	XXX-x927
0.513"	XXX-x513	0.596"	XXX-x596	0.679"	XXX-x679	0.762"	XXX-x762	0.845"	XXX-x845	0.928"	XXX-x928
0.514"	XXX-x514	0.597"	XXX-x597	0.680"	XXX-x680	0.763"	XXX-x763	0.846"	XXX-x846	0.929"	XXX-x929
0.515"	XXX-x515	0.598"	XXX-x598	0.681"	XXX-x681	0.764"	XXX-x764	0.847"	XXX-x847	0.930"	XXX-x930
0.516"	XXX-x516	0.599"	XXX-x599	0.682"	XXX-x682	0.765"	XXX-x765	0.848"	XXX-x848	0.931"	XXX-x931
0.517"	XXX-x517	0.600"	XXX-x600	0.683"	XXX-x683	0.766"	XXX-x766	0.849"	XXX-x849	0.932"	XXX-x932
0.518"	XXX-x518	0.601"	XXX-x601	0.684"	XXX-x684	0.767"	XXX-x767	0.850"	XXX-x850	0.933"	XXX-x933
0.519"	XXX-x519	0.602	XXX-x602	0.685"	XXX-x685	0.768"	XXX-x768	0.851"	XXX-x851	0.934"	XXX-x934
0.520"	XXX-x520	0.603"	XXX-x603	0.686"	XXX-x686	0.769"	XXX-x769	0.852"	XXX-x852	0.935"	XXX-x935
0.521"	XXX-x521	0.604"	XXX-x604	0.687"	XXX-x687	0.770"	XXX-x770	0.853"	XXX-x853	0.936"	XXX-x936
0.522"	XXX-x522	0.605"	XXX-x605	0.688"	XXX-x688	0.771"	XXX-x771	0.854"	XXX-x854	0.937"	XXX-x937
0.523"	XXX-x523	0.606"	XXX-x606	0.689"	XXX-x689	0.772"	XXX-x772	0.855"	XXX-x855	0.938"	XXX-x938
0.524"	XXX-x524	0.607"	XXX-x607	0.690"	XXX-x690	0.773"	XXX-x773	0.856"	XXX-x856	0.939"	XXX-x939
0.525"	XXX-x525	0.608"	XXX-x608	0.691"	XXX-x691	0.774"	XXX-x774	0.857"	XXX-x857	0.940"	XXX-x940
0.526"	XXX-x526	0.609"	XXX-x609	0.692"	XXX-x692	0.775"	XXX-x775	0.858"	XXX-x858	0.941"	XXX-x941
0.527"	XXX-x527	0.610"	XXX-x610	0.693"	XXX-x693	0.776"	XXX-x776	0.859"	XXX-x859	0.942"	XXX-x942
0.528"	XXX-x528	0.611"	XXX-x611	0.694"	XXX-x694	0.777"	XXX-x777	0.860"	XXX-x860	0.943"	XXX-x943
0.529"	XXX-x529	0.612"	XXX-x612	0.695"	XXX-x695	0.778"	XXX-x778	0.861"	XXX-x861	0.944"	XXX-x944
0.530"	XXX-x530	0.613"	XXX-x613	0.696"	XXX-x696	0.779"	XXX-x779	0.862"	XXX-x862	0.945"	XXX-x945
0.531"	XXX-x531	0.614"	XXX-x614	0.697"	XXX-x697	0.780"	XXX-x780	0.863"	XXX-x863	0.946"	XXX-x946
0.532"	XXX-x532	0.615"	XXX-x615	0.698"	XXX-x698	0.781"	XXX-x781	0.864"	XXX-x864	0.947"	XXX-x947
0.533"	XXX-x533	0.616"	XXX-x616	0.699"	XXX-x699	0.782"	XXX-x782	0.865"	XXX-x865	0.948"	XXX-x948
0.534"	XXX-x534	0.617"	XXX-x617	0.700"	XXX-x700	0.783"	XXX-x783	0.866"	XXX-x866	0.949"	XXX-x949
0.535"	XXX-x535	0.618"	XXX-x618	0.701"	XXX-x701	0.784"	XXX-x784	0.867"	XXX-x867	0.950"	XXX-x950
0.536"	XXX-x536	0.619"	XXX-x619	0.702"	XXX-x702	0.785"	XXX-x785	0.868“	XXX-x868	0.951"	XXX-x951
0.537"	XXX-x537	0.620"	XXX-x620	0.703"	XXX-x703	0.786"	XXX-x786	0.869"	XXX-x869	0.952"	XXX-x952
0.538"	XXX-x538	0.621"	XXX-x621	0.704"	XXX-x704	0.787"	XXX-x787	0.870"	XXX-x870	0.953"	XXX-x953
0.539"	XXX-x539	0.622"	XXX-x622	0.705"	XXX-x705	0.788"	XXX-x788	0.871"	XXX-x871	0.954"	XXX-x954
0.540"	XXX-x540	0.623"	XXX-x623	0.706"	XXX-x706	0.789"	XXX-x789	0.872"	XXX-x872	0.955"	XXX-x955
0.541"	XXX-x541	0.624"	XXX-x624	0.707"	XXX-x707	0.790"	XXX-x790	0.873"	XXX-x873	0.956"	XXX-x956
0.542"	XXX-x542	0.625"	XXX-x625	0.708"	XXX-x708	0.791"	XXX-x791	0.874"	XXX-x874	0.957"	XXX-x957
0.543"	XXX-x543	0.626"	XXX-x626	0.709"	XXX-x709	0.792"	XXX-x792	0.875"	XXX-x875	0.958"	XXX-x958
0.544"	XXX-x544	0.627"	XXX-x627	0.710"	XXX-x710	0.793"	XXX-x793	0.876"	XXX-x876	0.959"	XXX-x959
0.545"	XXX-x545	0.628"	XXX-x628	0.711"	XXX-x711	0.794"	XXX-x794	0.877"	XXX-x877	0.960"	XXX-x960
0.546"	XXX-x546	0.629"	XXX-x629	0.712"	XXX-x712	0.795"	XXX-x795	0.878"	XXX-x878	0.961"	XXX-x961
0.547"	XXX-x547	0.630"	XXX-x630	0.713"	XXX-x713	0.796"	XXX-x796	0.879"	XXX-x879	0.962"	XXX-x962
0.548"	XXX-x548	0.631"	XXX-x631	0.714"	XXX-x714	0.797"	XXX-x797	0.880"	XXX-x880	0.963"	XXX-x963
0.549"	XXX-x549	0.632"	XXX-x632	0.715"	XXX-x715	0.798"	XXX-x798	0.881"	XXX-x881	0.964"	XXX-x964
0.550"	XXX-x550	0.633"	XXX-x633	0.716"	XXX-x716	0.799"	XXX-x799	0.882"	XXX-x882	0.965"	XXX-x965
0.551"	XXX-x551	0.634"	XXX-x634	0.717"	XXX-x717	0.800"	XXX-x800	0.883"	XXX-x883	0.966"	XXX-x966
0.552"	XXX-x552	0.635"	XXX-x635	0.718"	XXX-x718	0.801"	XXX-x801	0.884"	XXX-x884	0.967"	XXX-x967
0.553"	XXX-x553	0.636"	XXX-x636	0.719"	XXX-x719	0.802"	XXX-x802	0.885"	XXX-x885	0.968"	XXX-x968
0.554"	XXX-x554	0.637"	XXX-x637	0.720"	XXX-x720	0.803"	XXX-x803	0.886"	XXX-x886	0.969"	XXX-x969
0.555"	XXX-x555	0.638"	XXX-x638	0.721"	XXX-x721	0.804"	XXX-x804	0.887"	XXX-x887	0.970"	XXX-x970
0.556"	XXX-x556	0.639"	XXX-x639	0.722"	XXX-x722	0.805"	XXX-x805	0.888"	XXX-x888	0.971"	XXX-x971
0.557"	XXX-x557	0.640"	XXX-x640	0.723"	XXX-x723	0.806"	XXX-x806	0.889"	XXX-x889	0.972"	XXX-x972
0.558"	XXX-x558	0.641"	XXX-x641	0.724"	XXX-x724	0.807"	XXX-x807	0.890"	XXX-x890	0.973"	XXX-x973
0.559"	XXX-x559	0.642"	XXX-x642	0.725"	XXX-x725	0.808"	XXX-x808	0.891"	XXX-x891	0.974"	XXX-x974
0.560"	XXX-x560	0.643"	XXX-x643	0.726"	XXX-x726	0.809"	XXX-x809	0.892"	XXX-x892	0.975"	XXX-x975
0.561"	XXX-x561	0.644"	XXX-x644	0.727"	XXX-x727	0.810"	XXX-x810	0.893"	XXX-x893	0.976"	XXX-x976
0.562"	XXX-x562	0.645"	XXX-x645	0.728"	XXX-x728	0.811"	XXX-x811	0.894"	XXX-x894	0.977"	XXX-x977
0.563'	XXX-x563	0.646"	XXX-x646	0.729"	XXX-x729	0.812"	XXX-x812	0.895"	XXX-x895	0.978"	XXX-x978
0.564"	XXX-x564	0.647"	XXX-x647	0.730"	XXX-x730	0.813"	XXX-x813	0.896"	XXX-x896	0.979"	XXX-x979
0.565"	XXX-x565	0.648"	XXX-x648	0.731"	XXX-x731	0.814"	XXX-x814	0.897"	XXX-x897	0.980"	XXX-x980
0.566"	XXX-x566	0.649"	XXX-x649	0.732"	XXX-x732	0.815"	XXX-x815	0.898"	XXX-x898	0.981"	XXX-x981
0.567"	XXX-x567	0.650"	XXX-x650	0.733"	XXX-x733	0.816"	XXX-x816	0.899"	XXX-x899	0.982"	XXX-x982
0.568"	XXX-x568	0.651"	XXX-x651	0.734"	XXX-x734	0.817"	XXX-x817	0.900"	XXX-x900	0.983"	XXX-x983
0.569"	XXX-x569	0.652"	XXX-x652	0.735"	XXX-x735	0.818"	XXX-x818	0.901"	XXX-x901	0.984"	XXX-x984
0.570"	XXX-x570	0.653"	XXX-x653	0.736"	XXX-x736	0.819"	XXX-x819	0.902"	XXX-x902	0.985"	XXX-x985
0.571"	XXX-x571	0.654"	XXX-x654	0.737"	XXX-x737	0.820"	XXX-x820	0.903"	XXX-x903	0.986"	XXX-x986
0.572"	XXX-x572	0.655"	XXX-x655	0.738"	XXX-x738	0.821"	XXX-x821	0.904"	XXX-x904	0.987"	XXX-x987
0.573"	XXX-x573	0.656"	XXX-x656	0.739"	XXX-x739	0.822"	XXX-x822	0.905"	XXX-x905	0.988"	XXX-x988
0.574"	XXX-x574	0.657"	XXX-x657	0.740"	XXX-x740	0.823"	XXX-x823	0.906"	XXX-x906	0.989"	XXX-x989
0.575"	XXX-x575	0.658"	XXX-x658	0.741"	XXX-x741	0.824"	XXX-x824	0.907"	XXX-x907	0.990"	XXX-x990
0.576"	XXX-x576	0.659"	XXX-x659	0.742"	XXX-x742	0.825"	XXX-x825	0.908"	XXX-x908	0.991"	XXX-x991
0.577"	XXX-x577	0.660"	XXX-x660	0.743"	XXX-x743	0.826"	XXX-x826	0.909"	XXX-x909	0.992"	XXX-x992
0.578"	XXX-x578	0.661"	XXX-x661	0.744"	XXX-x744	0.827"	XXX-x827	0.910"	XXX-x910	0.993"	XXX-x993
0.579"	XXX-x579	0.662"	XXX-x662	0.745"	XXX-x745	0.828"	XXX-x828	0.911"	XXX-x911	0.994"	XXX-x994
0.580"	XXX-x580	0.663"	XXX-x663	0.746"	XXX-x746	0.829"	XXX-x829	0.912"	XXX-x912	0.995"	XXX-x995
0.581"	XXX-x581	0.664"	XXX-x664	0.747"	XXX-x747	0.830"	XXX-x830	0.913"	XXX-x913	0.996"	XXX-x996
0.582"	XXX-x582	0.665"	XXX-x665	0.748"	XXX-x748	0.831"	XXX-x831	0.914"	XXX-x914	0.997"	XXX-x997
0.583"	XXX-x583	0.666"	XXX-x666	0.749"	XXX-x749	0.832"	XXX-x832	0.915"	XXX-x915		XXX-x998
0.584"	XXX-x584	0.667"	XXX-x667	0.750"	XXX-x750	0.833"	XXX-x833	0.916"	XXX-x916	0.998"	XXX-x999
0.585"	XXX-x585	0.668"	XXX-x668	0.751"	XXX-x751	0.834"	XXX-x834	0.917"	XXX-x917	0.999"	XXX-x010
0.586"	XXX-x586	0.669"	XXX-x669	0.752"	XXX-x752	0.835"	XXX-x835	0.918"	XXX-x918	1.000"	
0.587"	XXX-x587	0.670"	XXX-x670	0.753"	XXX-x753	0.836"	XXX-x836	0.919"	XXX-x919		
0.588"	XXX-x588	0.671"	XXX-x671	0.754"	XXX-x754	0.837"	XXX-x837	0.920"	XXX-x920		
0.589"	XXX-x589	0.672"	XXX-x672	0.755"	XXX-x755	0.838"	XXX-x838	0.921"	XXX-x921		
0.590"	XXX-x590	0.673"	XXX-x673	0.756"	XXX-x756	0.839"	XXX-x839	0.922"	XXX-x922		
0.591"	XXX-x591	0.674"	XXX-x674	0.757"	XXX-x757	0.840"	XXX-x840	0.923"	XXX-x923		

Check Master & Pin Gage

Steel Pin Gage Sets

Class "ZZ", +/-.0002" Tol.

- Go/No-Go gage handle furnished with each set
- Consists of 3,4 Drawer Cabinets

NEW



Size Range	Gage Set No.	Plus Order No.	Minus Order No.
.011-.750	M0 to M4	**616-8184**	**616-8185**
.061-.750	M1to M4	**616-8190**	**616-8191**
.061-.5005	M1to M3	**616-8186**	**616-8187**
.011-.5005	M0 to M3	**616-8188**	**616-8189**
.061-1.000	M1 to M7	**616-8194**	**616-8195**
.011-1.000	M0 to M7	**616-8196**	**616-8197**
.751-1.000	M5 to M7	**616-8198**	**616-8199**

Pin Gage Set-wooden case

NEW



Size Range	Gage Set No.	Plus Order No.	Minus Order No.	with Handle Plus Order No.	with Handle Minus Order No.
.011-.750	M0 to M4	**616-8604**	**616-8605**	**616-8504**	**616-8505**
0.011-1.000	M0 to M7	**616-8607**	**616-8608**	**616-8507**	**616-8508**
.061-.750	M1to M4	**616-8614**	**616-8615**	**616-8514**	**616-8515**
.061-1.000	M1 to M7	**616-8617**	**616-8618**	**616-8517**	**616-8518**

Pin Gage Handles

One set uses one handle, 8 handles cover all sizes

- 8 Size Collets are spring adjusting and self-centering design, which are used for whole rang of sizes of pin gage sets.
- Handles & Collets are made from aluminum to protect pin gages .
- Color coded Handle for GO/NO GO checking.
- Power coated handle body.
- One handle with two free collets.



Specification	Order No.
Handle for .011" to.060" M0 50pcs	**616-8000**
Handle for .061" to .250" M1 190pcs	**616-8001**
Handle for .251" to .500" M2 250pcs	**616-8002**
Handle for .501" to .625" M3 125pcs	**616-8003**
Handle for .626" to .750" M4 125pcs	**616-8004**
Handle for .751" to .832" M5 82pcs	**616-8005**
Handle for .833" to .916" M6 84pcs	**616-8006**
Handle for .917" to 1.000" M7 84pcs	**616-8007**

Pin Gage Handle

- Handles all pin gages sizes from: 1/32 thru 1/2"
- Go and no go clearly marked
- Casting Aluminium



Order No. 616-8010

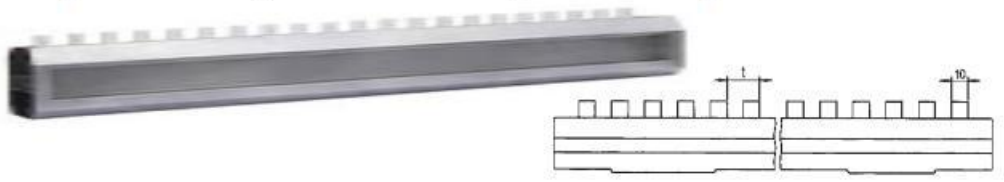
Check Master

Steel

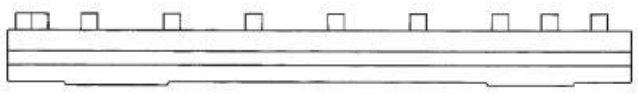
NEW

Features :

- Designed to check the positioning of CNC Machines, Machining Centers and Coordinate Measuring Machines, which is the optimum quality tool to improve the fixing accuracy by error compensation method.
- For calibrating various application measurements including dial calipers, digital calipers and height gauges and the like.
- Gauge blocks arrangement can be designed according to customers' needs.



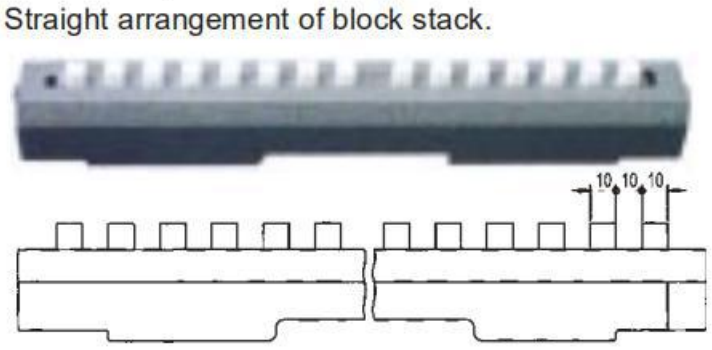
For Caliper



Range	Permissible Error	General Step(t)	Horizontal Order No.	Vertical Order No.
0-300mm	0.0013mm	30mm	**650-0003**	**650-0013**
0-400	0.0016	30mm	**650-0004**	**650-0014**
0-500	0.0020	30mm	**650-0005**	**650-0015**
0-600	0.0025	30mm	**650-0006**	**650-0016**
0-800	0.0030	30mm	**650-0008**	**650-0018**
0-1000	0.0040	30mm	**650-0010**	**650-0020**
0-300	0.0025	for caliper	**650-0001**	

Ceramic

- 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 600mm range.
- Straight arrangement of block stack.





Range	Permissible Error	General Step	Horizontal Order No.	Vertical Order No.
200mm	3µm	20mm	**650-0102**	**650-0122**
300mm	4µm	20mm	**650-0103**	**650-0123**
500mm	6µm	20mm	**650-0105**	**650-0125**
600mm	6µm	20mm	**650-0106**	**650-0126**
200mm	3µm	30mm	**650-0112**	**650-0132**
300mm	4µm	30mm	**650-0113**	**650-0133**
500mm	6µm	30mm	**650-0115**	**650-0135**
600mm	6µm	30mm	**650-0116**	**650-0136**
200mm	3µm			**650-0142**
300mm	4µm			**650-0143**
500mm	6µm			**650-0145**
600mm	6µm			**650-0146**

Cylindrical Squares

- Use in surface plate as 90° reference angle.
- Used for checking squares, height gages and many instruments.
- The squares are hardened and the ends are lapped to 90° angular accuracy with the cylinders as follow: 6" square to +/- .00010" and 12" square to +/- .00015".

Diameter	Height	Order No.
3"	6"	**605-5003**
4	12	**605-5004**



Precision Gage Block

- Higher degree of accuracy when used at temperature of 68° F(20°C).
- Individual serial numbers on each block,regardless of grade.
- A complete certificate of calibration traceable to the N.I.S.T. showing the deviation of each block.
- All sets are supplied in deluxe fitted wood case.
- All sets meet or exceed Fed.Spec. ASME B89.1.9-2002
- Mirror polished surfaces provide superior wringing characteristics.

Nominal Size	Tolerances(in millionths of an inch) 0	AS-1	AS-2	Economy
Thru .050	+/-6	+/-12	+/-24	+/-50
Thru .400	+/-5	+/-8	+/-18	+/-50
Thru 1"	+/-6	+/-12	+/-24	+/-50
Thru 2"	+/-8	+/-16	+/-32	+/-50
Thru 3"	+/-10	+/-20	+/-40	+/-50
Thru 4"	+/-12	+/-24	+/-48	+/-50

Nominal Size	Tolerances(in millionths of an inch) 0	AS-1	AS-2
Thru 6"	+/-16	+/-32	+/-64
Thru 8"	+/-20	+/-40	+/-80
Thru 10"	+/-24	+/-48	+/-104
Thru 12"	+/-28	+/-56	+/-112
Thru 16"	+/-36	+/-72	+/-144
Thru 20"	+/-44	+/-88	+/-176

Rectangular Gage Block Sets



36 Piece Sets

Blocks Included in each Set

1 Blocks: 0.050"
9 Blocks: 0.1001"-0.1009" by 0.0001" steps
9 Blocks: 0.101"-0.109" by 0.001" steps
9 Blocks: 0.110"-0.190" by 0.010" steps
5 Blocks: 0.100"-0.500" by 0.100" steps
3 Blocks: 1, 2, 4"

Grade	Steel Order No.	Solid Carbide Order No.	Ceramic Order No.
0	**630-4100**	**125-0362**	**631-0362**
AS-1	**630-4103**	**125-0363**	**631-0363**
AS-2	**630-4104**	**125-0364**	**631-0364**
Economy	**630-4105**	**125-0365**	**631-0365**



81 Piece Sets

Blocks Included in each Set

9 Blocks: 0.1001"-0.1009" by 0.0001 steps
49 Blocks: 0.101"-0.149" by 0.001" steps
19 Blocks: 0.050"-0.950" by 0.050" steps
4 Blocks: 1.000"-4.000" by 1.000" steps

Grade	Steel Order No.	Solid Carbide Order No.	Ceramic Order No.
0	**630-4110**	**125-0812**	**631-0812**
AS-1	**630-4113**	**125-0813**	**631-0813**
AS-2	**630-4114**	**125-0814**	**631-0814**
Economy	**630-4115**	**125-0815**	**631-0815**

Large Size Gage Block Sets

8 Piece Sets



Inch

Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.
5",6", 7", 8", 10", 12", 16", 20"	**630-8100**	**630-8101**	**630-8102**

Metric

Size	Grade 0 Order No.	Grade 1 Order No.	Grade 2 Order No.
125,150,175,200, 250,300,400,500mm	**630-8000**	**630-8001**	**630-8002**
25, 50, 75, 100, 125, 150, 175, 200mm	**630-8200**	**630-8201**	**630-8202**

Micrometer Checking Sets

- A certificate shows individual deviation of each block.
- Gage blocks traceable to the NIST.
- Each blocks is serialized.
- with Fitted wooden case.
- Optical flats are .0005" thickness accuracy.
- 12-Piece feature 2 optical flats with .0125" step for checking spindle at half revolution.
- 10-Piece sets & 12-Piece sets feature different blocks combination for precision checking of different ranges.



Piece /Set	Specifications	Order No.
10	**9 Gage Blocks, Grade 0:** .0625, .100,.125, .200,.250,.300,.500,1.000 & 2.000". **1 Optical Flat:** 1"Dia. x.5125" Thickness, .000004", Flatness, .00002" Parallel	**9100-9156**
10	**9 Gage Blocks, Grade AS-1:** .0625, .100,.125, .200,.250,.300,.500,1.000 & 2.000" **1 Optical Flat:** 1"Dia. x.5125" Thickness, .000004", Flatness, .00002" Parallel	**9100-9157**
12	**10 Gage Blocks Grade 0:** .105, .210,.315, .420, .500, .605, .710, .815, .920, 1.000" **2 Optical Flat:** 1"Dia. x.5000" &.5125" Thickness .000004", Flatness, .00002" Parallel	**9100-9159**
12	**10 Gage Blocks Grade AS-1:** .105, .210,.315, .420, .500, .605, .710, .815, .920, 1.000" **2 Optical Flat:** 1"Dia. x.5000" &.5125" Thickness .000004", Flatness, .00002" Parallel	**9100-9160**

Square Gage Block Sets

36 Piece Sets

Blocks Included in each Set

1 Blocks: 0.050"
9 Blocks: 0.1001"-0.1009" by 0.0001" steps
9 Blocks: 0.101"-0.109" by 0.001" steps
9 Blocks: 0.110"-0.190" by 0.010" steps
5 Blocks: 0.100"-0.500" by 0.100" steps
3 Blocks: 1, 2, 4"



81 Piece Sets

Blocks Included in each Set

9 Blocks: 0.1001"-0.1009" by 0.0001 steps
49 Blocks: 0.101"-0.149" by 0.001" steps
19 Blocks: 0.050"-0.950" by 0.050" steps
4 Blocks: 1.000"-4.000" by 1.000" steps

Grade	36 Piece Set Order No.	81 Piece Set Order No.
0	**630-4126**	**630-4120**
AS-1	**630-4127**	**630-4123**
AS-2		**630-4124**
Economy	**630-4128**	**630-4125**

36 Piece Space Block Sets

- Each block clearly marked for size
- Hardened and lapped
- 4 connecting screws included, make any length desired.
- Complete in fitted case.
- Thread HRC58-60



Set Included:

9 Pieces: .101-.109" by .001"
15 Pieces: .050-.190" by .010"
9 Pieces: .200-1.000" by .100"
1 Piece: .0625"
1 Piece: .125"
1 Piece: 1.000"

Dia.	Accuracy	I.D.	Order No.
3/4"	+/- .0001"	1/4"-28 thread	**630-4050**
3/4	+/- .0001"	M6 thread	**630-4051**
3/4	+/- .00005"	1/4"-28 thread	**630-4055**

Individual Rectangular Gage Blocks

630-XXXX for Steel 125-XXXX for Carbide

Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.	Grade Economy Order No.	Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.	Grade Economy Order No.	Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.	Grade Economy Order NO.
0.050"	-2305	-3305	-A305	-B305	0.123"	-2123	-3123	-A123	-B123	0.300"	-2330	-3330	-A330	-B330
0.100"	-2310	-3310	-A310	-B310	0.124"	-2124	-3124	-A124	-B124	0.350"	-2335	-3335	-A335	-B335
0.10005"	-2205	-3205	-A205	-B205	0.125"	-2125	-3125	-A125	-B125	0.400"	-2340	-3340	-A340	-B340
0.1001"	-2001	-3001	-A001	-B001	0.126"	-2126	-3126	-A126	-B126	0.420"	-2420	-3420	-A420	-B420
0.1002"	-2002	-3002	-A002	-B002	0.127"	-2127	-3127	-A127	-B127	0.450"	-2345	-3345	-A345	-B345
0.1003"	-2003	-3003	-A003	-B003	0.128"	-2128	-3128	-A128	-B128	0.500"	-2350	-3350	-A350	-B350
0.1004"	-2004	-3004	-A004	-B004	0.129"	-2129	-3129	-A129	-B129	0.550"	-2355	-3355	-A355	-B355
0.1005"	-2005	-3005	-A005	-B005	0.130"	-2130	-3130	-A130	-B130	0.600"	-2360	-3360	-A360	-B360
0.1006"	-2006	-3006	-A006	-B006	0.131"	-2131	-3131	-A131	-B131	0.605"	-2605	-3605	-A605	-B605
0.1007"	-2007	-3007	-A007	-B007	0.132"	-2132	-3132	-A132	-B132	0.625"	-2625	-3625	-A625	-B625
0.1008"	-2008	-3008	-A008	-B008	0.133"	-2133	-3133	-A133	-B133	0.650"	-2365	-3365	-A365	-B365
0.1009"	-2009	-3009	-A009	-B009	0.134"	-2134	-3134	-A134	-B134	0.700"	-2370	-3370	-A370	-B370
0.1010"	-2101	-3101	-A101	-B101	0.135"	-2135	-3135	-A135	-B135	0.710"	-2710	-3710	-A710	-B710
0.102"	-2102	-3102	-A102	-B102	0.136"	-2136	-3136	-A136	-B136	0.750"	-2375	-3375	-A375	-B375
0.103"	-2103	-3103	-A103	-B103	0.137"	-2137	-3137	-A137	-B137	0.800"	-2380	-3380	-A380	-B380
0.104"	-2104	-3104	-A104	-B104	0.138"	-2138	-3138	-A138	-B138	0.815	-2815	-3815	-A815	-B815
0.105"	-2105	-3105	-A105	-B105	0.139"	-2139	-3139	-A139	-B139	0.850"	-2385	-3385	-A385	-B385
0.106"	-2106	-3106	-A106	-B106	0.140"	-2140	-3140	-A140	-B140	0.900"	-2390	-3390	-A390	-B390
0.107"	-2107	-3107	-A107	-B107	0.141"	-2141	-3141	-A141	-B141	0.920"	-2920	-3920	-A920	-B820
0.108"	-2108	-3108	-A108	-B108	0.142"	-2142	-3142	-A142	-B142	0.950"	-2395	-3395	-A395	-B395
0.109"	-2109	-3109	-A109	-B109	0.143"	-2143	-3143	-A143	-B143	1.000"	-2100	-3100	-A100	-B100
0.110"	-2110	-3110	-A110	-B110	0.144"	-2144	-3144	-A144	-B144	2.000"	-2200	-3200	-A200	-B200
0.111"	-2111	-3111	-A111	-B111	0.145"	-2145	-3145	-A145	-B145	3.000"	-2300	-3300	-A300	-B300
0.112"	-2112	-3112	-A112	-B112	0.146"	-2146	-3146	-A146	-B146	4.000"	-2400	-3400	-A400	-B400
0.113"	-2113	-3113	-A113	-B113	0.147"	-2147	-3147	-A147	-B147	5.000"	-2500	-3500	-A500	
0.114"	-2114	-3114	-A114	-B114	0.148"	-2148	-3148	-A148	-B148	6.000"	-2600	-3600	-A600	
0.115"	-2115	-3115	-A115	-B115	0.149"	-2149	-3149	-A149	-B149	7.000"	-2700	-3700	-A700	
0.116"	-2116	-3116	-A116	-B116	0.150"	-2315	-3315	-A315	-B315	8.000"	-2800	-3800	-A800	
0.117"	-2117	-3117	-A117	-B117	0.160"	-2316	-3316	-A316	-B315	9.000"	-2901	-3901	-A901	
0.118"	-2118	-3118	-A118	-B118	0.170"	-2317	-3317	-A317	-B316	10.00"	-2910	-3910	-A910	
0.119"	-2119	-3119	-A119	-B119	0.180"	-2318	-3318	-A318	-B317	12.00"	-2912	-3912	-A912	
0.120"	-2120	-3120	-A120	-B120	0.190"	-2319	-3319	-A319	-B318	16.00"	-2916	-3916	-A916	
0.121"	-2121	-3121	-A121	-B121	0.200"	-2320	-3320	-A320	-B320	20.00"	-2921	-3921	-A921	
0.122"	-2122	-3122	-A122	-B122	0.250"	-2325	-3325	-A325	-B325					

Individual Square Gage Blocks

630-XXXX for Steel

Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.	Grade Economy Order No.	Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.	Grade Economy Order No.	Size	Grade 0 Order No.	Grade AS-1 Order No.	Grade AS-2 Order No.	Grade Economy Order No.
0.100"	-7100	-6100	-C100	-5202	0.118"	-7118	-6118	-C118	-5230	0.145"	-7145	-6145	-C145	-5257
0.1001"	-7001	-6001	-C001	-5204	0.119"	-7119	-6119	-C119	-5231	0.146"	-7146	-6146	-C146	-5258
0.1002"	-7002	-6002	-C002	-5205	0.120"	-7120	-6120	-C120	-5232	0.147"	-7147	-6147	-C147	-5259
0.1003"	-7003	-6003	-C003	-5206	0.121"	-7121	-6121	-C121	-5233	0.148"	-7148	-6148	-C148	-5260
0.1004"	-7004	-6004	-C004	-5207	0.122"	-7122	-6122	-C122	-5234	0.149"	-7149	-6149	-C149	-5261
0.1005"	-7005	-6005	-C005	-5208	0.123"	-7123	-6123	-C123	-5235	0.150"	-7315	-6315	-C315	-5262
0.1006"	-7006	-6006	-C006	-5209	0.124"	-7124	-6124	-C124	-5236	0.200"	-7320	-6320	-C320	-5267
0.1007"	-7007	-6007	-C007	-5210	0.125"	-7125	-6125	-C125	-5237	0.250"	-7325	-6325	-C325	-5268
0.1008"	-7008	-6008	-C008	-5211	0.126"	-7126	-6126	-C126	-5238	0.300"	-7330	-6330	-C330	-5269
0.1009"	-7009	-6009	-C009	-5212	0.127"	-7127	-6127	-C127	-5239	0.350"	-7335	-6335	-C335	-5270
0.1010"	-7101	-6101	-C101	-5213	0.128"	-7128	-6128	-C128	-5240	0.400"	-7340	-6340	-C340	-5271
0.102"	-7102	-6102	-C102	-5214	0.129"	-7129	-6129	-C129	-5241	0.450"	-7345	-6345	-C345	-5272
0.103"	-7103	-6103	-C103	-5215	0.130"	-7130	-6130	-C130	-5212	0.500"	-7350	-6350	-C350	-5273
0.104"	-7104	-6104	-C104	-5216	0.131"	-7131	-6131	-C131	-5243	0.550"	-7355	-6355	-C355	-5274
0.105"	-7105	-6105	-C105	-5217	0.132"	-7132	-6132	-C132	-5244	0.600"	-7360	-6360	-C360	-5275
0.106"	-7106	-6106	-C106	-5218	0.133"	-7133	-6133	-C133	-5245	0.650"	-7365	-6365	-C365	-5276
0.107"	-7107	-6107	-C107	-5219	0.134"	-7134	-6134	-C134	-5246	0.700"	-7370	-6370	-C370	-5277
0.108"	-7108	-6108	-C108	-5220	0.135"	-7135	-6135	-C135	-5247	0.750"	-7375	-6375	-C375	-5278
0.109"	-7109	-6109	-C109	-5221	0.136"	-7136	-6136	-C136	-5248	0.800"	-7380	-6380	-C380	-5279
0.110"	-7110	-6110	-C110	-5222	0.137"	-7137	-6137	-C137	-5249	0.850"	-7385	-6385	-C385	-5280
0.111"	-7111	-6111	-C111	-5223	0.138"	-7138	-6138	-C138	-5250	0.900"	-7390	-6390	-C390	-5281
0.112"	-7112	-6112	-C112	-5224	0.139"	-7139	-6139	-C139	-5251	0.950"	-7395	-6395	-C395	-5282
0.113"	-7113	-6113	-C113	-5225	0.140"	-7140	-6140	-C140	-5252	1.000"	-7100	-6100	-C100	-5283
0.114"	-7114	-6114	-C114	-5226	0.141"	-7141	-6141	-C141	-5253	2.000"	-7200	-6200	-C200	-5284
0.115"	-7115	-6115	-C115	-5227	0.142"	-7142	-6142	-C142	-5254	3.000"	-7300	-6300	-C300	-5285
0.116"	-7116	-6116	-C116	-5228	0.143"	-7143	-6143	-C143	-5255	4.000"	-7400	-6400	-C400	-5286
0.117"	-7117	-6117	-C117	-5229	0.144"	-7144	-6144	-C144	-5256					

Metric Gage Block Sets

Metric Gage Blocks meet GGG-G-15, DIN, & JIS Specifications are supplied as indicated in the table.



Piece/Set	Nominal Sizes (mm)	Steps(mm)	No. Of Blocks	Grade	Steel Order No.	Solid Carbide	Ceramic Order No.
112	1.0005	---	1	0	**630-1120**	**125-5120**	**631-1120**
	1.001-1.009	0.001	9	1	**630-1121**	**125-5121**	**631-1121**
	1.01-1.49	0.01	49	2	**630-1122**	**125-5122**	**631-1122**
	0.5-24.5	0.5	49	3	**630-1123**		
	25-100	25	4				
103	1.005	---	1	0	**630-1030**	**125-5030**	**631-1030**
	1.01-1.49	0.01	49	1	**630-1031**	**125-5031**	**631-1031**
	0.5-24.5	0.5	49	2	**630-1032**	**125-5032**	**631-1032**
	25-100	25	4	3	**630-1033**		
88	1.0005	---	1	0	**630-0880**	**125-4880**	**631-0880**
	1.001-1.009	0.001	9	1	**630-0881**	**125-4881**	**631-0881**
	1.01-1.49	0.01	49	2	**630-0882**	**125-4882**	**631-0882**
	0.5-9.5	0.5	19	3	**630-0883**		
	10-100	10	10				
87	1.001-1.009	0.001	9	0	**630-0870**	**125-4870**	**631-0870**
	1.01-1.49	0.01	49	1	**630-0871**	**125-4871**	**631-0871**
	0.5-9.5	0.5	19	2	**630-0872**	**125-4872**	**631-0872**
	10-100	10	10	3	**630-0873**		
83	1.005	---	1	0	**630-0830**	**125-4830**	**631-0830**
	1.01-1.49	0.01	49	1	**630-0831**	**125-4831**	**631-0831**
	1.6-1.9	0.1	4	2	**630-0832**	**125-4832**	**631-0832**
	0.5-9.5	0.5	19	3	**630-0833**		
	10-100	10	10				
76	1.005	---	1	0	**630-0760**	**125-4760**	**631-0760**
	1.01-1.49	0.01	49	1	**630-0761**	**125-4761**	**631-0761**
	0.5-9.5	0.1	19	2	**630-0762**	**125-4762**	**631-0762**
	10-50	10	5	3	**630-0763**		
	75-100	25	2				
47	1.005	---	1	0	**630-0474**	**125-4474**	**631-0470**
	1.01-1.09	0.01	9	1	**630-0475**	**125-4475**	**631-0471**
	1.1-1.9	0.1	9	2	**630-0476**	**125-4476**	**631-0472**
	1-24	1	24	3	**630-0477**		
	25-100	25	4				
47	1.005	---	1	0	**630-0470**	**125-4470**	**631-0474**
	1.01-1.20	0.01	20	1	**630-0471**	**125-4471**	**631-0475**
	1.3-1.9	0.1	7	2	**630-0472**	**125-4472**	**631-0476**
	1-9	1	9	3	**630-0473**		
	10-100	10	10				
46	1.001-1.009	0.001	9	0	**630-0460**	**125-4460**	**631-0460**
	1.01-1.09	0.01	9	1	**630-0461**	**125-4461**	**631-0461**
	1.1-1.9	0.1	9	2	**630-0462**	**125-4462**	**631-0462**
	1-9	1	9	3	**630-0463**		
	10-100	10	10				
38	1.005	---	1	0	**630-0380**	**125-4380**	**631-0380**
	1.01-1.09	0.01	9	1	**630-0381**	**125-4381**	**631-0381**
	1.1-1.9	0.1	9	2	**630-0382**	**125-4382**	**631-0382**
	1-9	1	9	3	**630-0383**		
	10-100	10	10				
32	1.005	---	1	0	**630-0320**	**125-4320**	**631-0320**
	1.01-1.09	0.01	9	1	**630-0321**	**125-4321**	**631-0321**
	1.1-1.9	0.1	9	2	**630-0322**	**125-4322**	**631-0322**
	1-9	1	9	3	**630-0323**		
	10-30	10	3				
	50	---	1				
18	0.991-0.999	0.001	9	0	**630-0180**		
	1.001-1.009	0.001	9	1	**630-0181**		
				2	**630-0182**		
				3	**630-0183**		
13	2.5-12.9,	2.6	5	0	**630-0130**		**631-0130**
	15-22.8,	2.6	4	1	**630-0131**		**631-0131**
	25.0-100.0	25	4				
12	25, 50, 75,	25		0	**630-8300**		
	80, 105,130, 155,180, 205,	25		1	**630-8301**		
	300	25		2	**630-8302**		
11	10, 20, 41.2, 51.2, 81.2, 101.2,	---		0	**630-0110**		
	121.5, 121.8, 125, 175, 250	2.6		1	**630-0111**		
10	2.5-12.9	2.6	5	0	**630-0100**		
	15-22.8	----	4	1	**630-0101**		**631-0101**
	25		1	2	**630-0102**		**631-0102**
				3	**630-0103**		
9	1.001-1.009	0.001	9	0	**630-0090**		
				1	**630-0091**		
				2	**630-0092**		
				3	**630-0093**		
8	10, 20, 41.2, 51.2, 81.2, 101.2,	---		0	**630-0080**		**631-0080**
	121.5, 121.8			1	**630-0081**		**631-0081**

Gage Block Accessories

Rectangular Gage Block Accessories



14 pcs Set
Order No. 631-2914



27 pcs Set
Order No. 631-2927

Special Features:

- Base block:Mounting surface lapped flat and parallel with base. Holds blocks with extreme assuarcy for scribing & measuring.
- Width of jaws: .315” on Scriber point for scribing lines 1.950” long & .750” height 6” long jaws with beveled ends.
- Accessories made with gage block accuracy.



Base Block



Scriber Point



Center Point



Point



Cylindrical Jaw



Flat Jaw



Reference Jaw



Jaw w/Beveled End



Holder

Description		Qty.	Order No.		
Base Block: Gage Block mounting surface lapped flat & parallel with base Base Size: 4x2-3/4x1-3/8", Accuracy: +/-.0002" Height.		1	631-2802		*
Scriber Point: Used for scribing lines, (1.950" Long), Accuracy: Flatness per 2"=.00002".		1	631-2500		*
Center Point: Used for locating centers, (2.0000" Overall Length), Accuracy: Concentricity=+/-.0004".		1	631-2600		*
Points: Used for Checking graduations, (2.050" Long), Accuracy: Concentricity=+/-.0002".		Pair	631-2601		*
Cylindrical Jaws: Used for inside & outside measurments & setting instruments' Accuracy					
.100”Radius, 1.580" Length, Accuracy: Radius +/-.00003", Pair +/-.00004"		Pair	631-2611	**	
.200”Radius, 1.965" Length, Accuracy: Radius +/-.00003", Pair +/-.00004"		Pair	631-2312	**	
.250”Radius, 2.366" Length, Accuracy: Radius +/-.00003", Pair +/-.00004"		Pair	631-2313	**	
.500”Radius, 2.945" Length, Accuracy: Radius +/-.00003", Pair +/-.00004"		Pair	631-2314	**	
.750”Radius, 4.920" Length, Accuracy: Radius +/-.00003", Pair +/-.00004"		Pair	631-2315		*
Flat Jaw: Two Sizes Lapped & Accurately Flat, Parallel & to Size. 0.75" Height, 6" Long, Accuracy, Parallelism =.00004"		Pair	631-2320		*
Jaw with Reference Jaw Lines: Used for spacing blocks within limits .394” Height, 1.970" Length .0625" Ref.Line (etched on block), Accuracy of Reference Line to Measuring Surface, +/-.0002"		Pair	631-2330		*
Jaw with Beveled Ends: .750" Height, 4" Long, Accuracy, Flatness per 2"=.00002"		Pair	631-2331	**	
.750" Height, 6" Long, Accuracy, Flatness per 2"=.00002"		Pair	631-2332	**	
Holders					
Holder, 2.250"/50mm Capacity, 4.175" Long, Accuracy, Flatness per 2"=.00002"		1	631-2050	**	
Holder, 4.000"/100mm Capacity, 6.5" Long, Accuracy, Flatness per 2"=.00002"		1	631-2100		*
Holder, 6.000"/150mm Capacity, 8.5" Long, Accuracy, Flatness per 2"=.00002"		1	631-2150	**	
Holder, 10.000"/250mm Capacity, 12" Long, Accuracy, Flatness per 2"=.00002"		1	631-2220		*
Holder, 16.000"/400mm Capacity, Accuracy, Flatness per 2"=.00002"		1	631-2240		
Accessories Sets					
14-pc Rectangular Gage Block Accessory Set with Wooden Case	Included all “**”		631-2914		
27-pc Rectangular Gage Block Accessory Set with Wooden Case	Included all “*”+ “**”		631-2927		

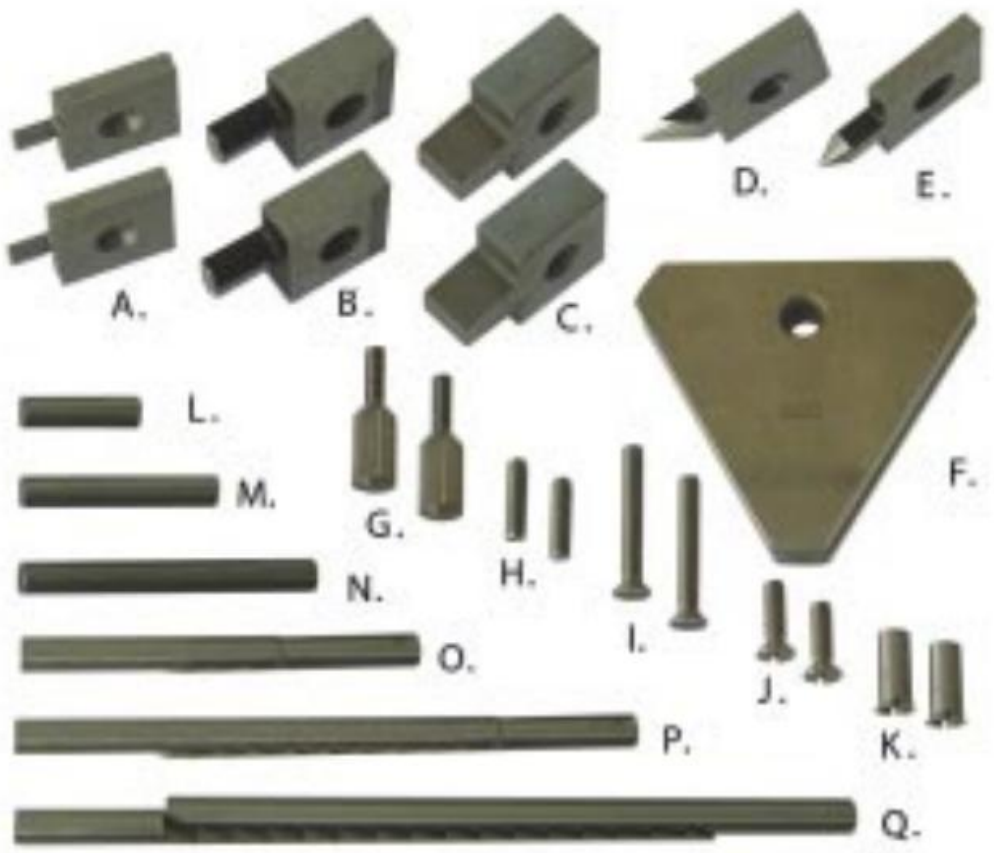
Square Gage Block Accessories

Square Gage Block accessories are made of gage block steel, hardened and finished and meet ASME B89.1.9-2002

- Available individually or in a complete set.
- Quality & surface finish are unsurpassed.
- Countless numbers of gages can easily be assembled with ultimate accuracy.



25 pcs Set
Order No. 631-2000



Description	Qty.	Order No.
A. Half-round Jaws, .125" Radius, 1 Pair	Pair	631-2002
B. Half-round Jaws, .250" Radius, 1 Pair	Pair	631-2004
C. Straight jaws .500” thick, 1Pair	Pair	631-2006
D. Scriber point	1	631-2008
E. Center point	1	631-2010
F. Base block	1	631-2012
G. Knurled screws, 1 Pair	Pair	631-2014
H. Studs, 1 Pair	Pair	631-2016
I. Flat head screws-long, 1 Pair	Pair	631-2018
J. Flat head screws-short, 1 Pair	Pair	631-2020
K. Slotted nuts, 1 Pair	Pair	631-2022
L. Tie rod 3/4" Solid	1	631-2024
M. Tie rod 1-1/2" Solid	1	631-2026
N. Tie rod 2-1/4" Solid	1	631-2028
O. Tie rod 3 to 4" adjustable	1	631-2030
P. Tie rod 4 to 6" adjustable	1	631-2032
Q. Tie rod 6 to 9" adjustable	1	631-2034
25-pc Square Gage Block Accessories with wooden case		631-2000

ANSI Standard Thread Plug & Ring Gages

- Used for gaging internal & external thread.
- Plug Gage(Go & No Go with handle)

Plug Gages

	Order No.
Go	623-4xxx (2B) 623-5xxx (3B)
No Go	623-6xxx (2B) 623-7xxx (3B)
Go & No Go	623-2xxx (2B) 623-3xxx (3B)

Adj. Ring Gages

	Order No.
Go	622-4xxx (2A) 622-5xxx (3A)
No Go	622-6xxx (2A) 622-7xxx (3A)
Go & No Go	622-2xxx (2A) 622-3xxx (3A)

Solid Ring Gages

	Order No.
Go	624-4xxx (2A) 624-5xxx (3A)
No Go	624-6xxx (2A) 624-7xxx (3A)
Go & No Go	624-2xxx (2A) 624-3xxx (3A)





Size	UNC UNF UNEF	Plug Gages Class 2B Order No.	Plug Gages Class 3B Order No.	Adjustable Ring Gages Class 2A Order No.	Adjustable Ring Gages Class 3A Order No.	Solid Ring Gages Class 2A Order No.	Solid Ring Gages Class 3A Order No.
0-80	UNF	623-x001	623-x001	622-x001	622-x001	624-x001	624-x001
1-64	UNC	623-x002	623-x002	622-x002	622-x002	624-x002	624-x002
1-72	UNF	623-x003	623-x003	622-x003	622-x003	624-x003	624-x003
2-56	UNC	623-x004	623-x004	622-x004	622-x004	624-x004	624-x004
2-64	UNF	623-x005	623-x005	622-x005	622-x005	624-x005	624-x005
3-48	UNC	623-x006	623-x006	622-x006	622-x006	624-x006	624-x006
3-56	UNF	623-x007	623-x007	622-x007	622-x007	624-x007	624-x007
4-40	UNC	623-x008	623-x008	622-x008	622-x008	624-x008	624-x008
4-48	UNF	623-x009	623-x009	622-x009	622-x009	624-x009	624-x009
5-40	UNC	623-x010	623-x010	622-x010	622-x010	624-x010	624-x010
5-44	UNF	623-x011	623-x011	622-x011	622-x011	624-x011	624-x011
6-32	UNC	623-x012	623-x012	622-x012	622-x012	624-x012	624-x012
6-40	UNF	623-x013	623-x013	622-x013	622-x013	624-x013	624-x013
8-32	UNC	623-x014	623-x014	622-x014	622-x014	624-x014	624-x014
8-36	UNF	623-x015	623-x015	622-x015	622-x015	624-x015	624-x015
10-24	UNC	623-x016	623-x016	622-x016	622-x016	624-x016	624-x016
10-32	UNF	623-x017	623-x017	622-x017	622-x017	624-x017	624-x017
12-24	UNC	623-x018	623-x018	622-x018	622-x018	624-x018	624-x018
12-28	UNF	623-x019	623-x019	622-x019	622-x019	624-x019	624-x019
12-32	UNEF	623-x020	623-x020	622-x020	622-x020	624-x020	624-x020
1/4-20	UNC	623-x021	623-x021	622-x021	622-x021	624-x021	624-x021
1/4-28	UNF	623-x022	623-x022	622-x022	622-x022	624-x022	624-x022
1/4-32	UNEF	623-x023	623-x023	622-x023	622-x023	624-x023	624-x023
5/16-18	UNC	623-x024	623-x024	622-x024	622-x024	624-x024	624-x024
5/16-24	UNF	623-x025	623-x025	622-x025	622-x025	624-x025	624-x025
5/16-32	UNEF	623-x026	623-x026	622-x026	622-x026	624-x026	624-x026
3/8-16	UNC	623-x027	623-x027	622-x027	622-x027	624-x027	624-x027
3/8-24	UNF	623-x028	623-x028	622-x028	622-x028	624-x028	624-x028
3/8-32	UNEF	623-x029	623-x029	622-x029	622-x029	624-x029	624-x029
7/16-14	UNC	623-x030	623-x030	622-x030	622-x030	624-x030	624-x030
7/16-20	UNF	623-x031	623-x031	622-x031	622-x031	624-x031	624-x031
7/16-28	UNEF	623-x032	623-x032	622-x032	622-x032	624-x032	624-x032
1/2-13	UNC	623-x033	623-x033	622-x033	622-x033	624-x033	624-x033
1/2-20	UNF	623-x034	623-x034	622-x034	622-x034	624-x034	624-x034
1/2-28	UNEF	623-x035	623-x035	622-x035	622-x035	624-x035	624-x035
9/16-12	UNC	623-x036	623-x036	622-x036	622-x036	624-x036	624-x036
9/16-18	UNF	623-x037	623-x037	622-x037	622-x037	624-x037	624-x037
9/16-24	UNEF	623-x038	623-x038	622-x038	622-x038	624-x038	624-x038
5/8-11	UNC	623-x039	623-x039	622-x039	622-x039	624-x039	624-x039
5/8-18	UNF	623-x040	623-x040	622-x040	622-x040	624-x040	624-x040
5/8-24	UNEF	623-x041	623-x041	622-x041	622-x041	624-x041	624-x041
11/16-24	UNEF	623-x042	623-x042	622-x042	622-x042	624-x042	624-x042
3/4-10	UNC	623-x043	623-x043	622-x043	622-x043	624-x043	624-x043
3/4-16	UNF	623-x044	623-x044	622-x044	622-x044	624-x044	624-x044
3/4-20	UNEF	623-x045	623-x045	622-x045	622-x045	624-x045	624-x045
13/16-20	UNEF	623-x046	623-x046	622-x046	622-x046	624-x046	624-x046
7/8-9	UNC	623-x047	623-x047	622-x047	622-x047	624-x047	624-x047
7/8-14	UNF	623-x048	623-x048	622-x048	622-x048	624-x048	624-x048
7/8-20	UNEF	623-x049	623-x049	622-x049	622-x049	624-x049	624-x049
15/16-20	UNEF	623-x050	623-x050	622-x050	622-x050	624-x050	624-x050
1-8	UNC	623-x051	623-x051	622-x051	622-x051	624-x051	624-x051
1-12	UNF	623-x052	623-x052	622-x052	622-x052	624-x052	624-x052
1-14	UNF	623-x053	623-x053	622-x053	622-x053	624-x053	624-x053
1-20	UNEF	623-x054	623-x054	622-x054	622-x054	624-x054	624-x054
1-1/16-18	UNEF	623-x055	623-x055	622-x055	622-x055	624-x055	624-x055
1-1/8-7	UNC	623-x056	623-x056	622-x056	622-x056	624-x056	624-x056
1-1/8-12	UNF	623-x057	623-x057	622-x057	622-x057	624-x057	624-x057
1-1/8-18	UNEF	623-x058	623-x058	622-x058	622-x058	624-x058	624-x058
1-3/16-18	UNEF	623-x059	623-x059	622-x059	622-x059	624-x059	624-x059
1-1/4-7	UNC	623-x060	623-x060	622-x060	622-x060	624-x060	624-x060
1-1/4-12	UNF	623-x061	623-x061	622-x061	622-x061	624-x061	624-x061
1-1/4-18	UNEF	623-x062	623-x062	622-x062	622-x062	624-x062	624-x062
1-5/16-18	UNEF	623-x063	623-x063	622-x063	622-x063	624-x063	624-x063
1-3/8-6	UNC	623-x064	623-x064	622-x064	622-x064	624-x064	624-x064
1-3/8-12	UNF	623-x065	623-x065	622-x065	622-x065	624-x065	624-x065
1-3/8-18	UNEF	623-x066	623-x066	622-x066	622-x066	624-x066	624-x066
1-7/16-18	UNEF	623-x067	623-x067	622-x067	622-x067	624-x067	624-x067
1-1/2-6	UNC	623-x068	623-x068	622-x068	622-x068	624-x068	624-x068
1-1/2-12	UNF	623-x069	623-x069	622-x069	622-x069	624-x069	624-x069
1-1/2-18	UNEF	623-x070	623-x070	622-x070	622-x070	624-x070	624-x070

Metric ISO & Unified Thread Plug & Ring Gages

- Used for gaging internal & external thread.
- Plug Gage(Go & No Go with handle)

	Plug Gages Order No.	Adj. Ring Gages Order No.	Solid Ring Gages Order No.
Go	617-2xxx (6H)	618-4xxx (6G)	618-0xxx (6G)
No Go	617-3xxx (6H)	618-6xxx (6G)	619-0xxx (6G)
Go & No Go	617-0xxx (6H)	618-8xxx (6G)	618-1xxx (6G)



Plug Gages
(Go & No Go with Handle)



Ring Gages

Size (mm)	Plug Gages Order No.	Adjustable Ring Gages Order No.	Solid Ring Gages Order No.
M1.4X0.3	617-x001	618-x001	61x-x001
M1.6X0.35	617-x004	618-x004	61x-x004
M1.8X0.35	617-x008	618-x008	61x-x008
M2.0x.40	617-x011	618-x011	61x-x011
M2.0x.25	617-x012	618-x012	61x-x012
M2.2x.45	617-x021	618-x021	61x-x021
M2.2x.25	617-x022	618-x022	61x-x022
M2.5x.45	617-x031	618-x031	61x-x031
M2.5x.35	617-x032	618-x032	61x-x032
M3.0x.50	617-x041	618-x041	61x-x041
M3.0x.35	617-x042	618-x042	61x-x042
M3.5x.60	617-x051	618-x051	61x-x051
M3.5x.35	617-x052	618-x052	61x-x052
M4.0x.70	617-x061	618-x061	61x-x061
M4.0x.50	617-x062	618-x062	61x-x062
M4.5x.75	617-x063	618-x063	61x-x063
M5.0x.80	617-x071	618-x071	61x-x071
M5.0x.50	617-x072	618-x072	61x-x072
M6.0x1.00	617-x081	618-x081	61x-x081
M6.0x.75	617-x082	618-x082	61x-x082
M6.0x.50	617-x083	618-x083	61x-x083
M7.0x1.00	617-x084	618-x084	61x-x084
M8.0x1.25	617-x091	618-x091	61x-x091
M8.0x1.00	617-x092	618-x092	61x-x092
M8.0x.75	617-x093	618-x093	61x-x093
M8.0x.50	617-x094	618-x094	61x-x094
M10.0x1.50	617-x101	618-x101	61x-x101
M10.0x1.25	617-x102	618-x102	61x-x102
M10.0x1.00	617-x103	618-x103	61x-x103
M10.0x.75	617-x104	618-x104	61x-x104
M10.0x.50	617-x105	618-x105	61x-x105
M12.0x1.75	617-x111	618-x111	61x-x111
M12.0x1.50	617-x112	618-x112	61x-x112
M12.0x1.25	617-x113	618-x113	61x-x113
M12.0x1.00	617-x114	618-x114	61x-x114
M12.0x.75	617-x115	618-x115	61x-x115
M12.0x.50	617-x116	618-x116	61x-x116
M14.0x2.00	617-x121	618-x121	61x-x121
M14.0x1.50	617-x122	618-x122	61x-x122
M14.0x1.25	617-x123	618-x123	61x-x123
M14.0x1.00	617-x124	618-x124	61x-x124
M14.0x.75	617-x125	618-x125	61x-x125
M14.0x.50	617-x126	618-x126	61x-x126
M16.0x2.00	617-x131	618-x131	61x-x131
M16.0x1.50	617-x132	618-x132	61x-x132
M16.0x1.00	617-x133	618-x133	61x-x133
M16.0x.75	617-x134	618-x134	61x-x134
M16.0x.50	617-x135	618-x135	61x-x135
M18.0x2.50	617-x141	618-x141	61x-x141
M18.0x2.00	617-x142	618-x142	61x-x142

Size (mm)	Plug Gages Order No.	Adjustable Ring Gages Order No.	Solid Ring Gages Order No.
M18.0x1.50	617-x143	618-x143	61x-x143
M18.0x1.00	617-x144	618-x144	61x-x144
M18.0x.75	617-x145	618-x145	61x-x145
M18.0x.50	617-x146	618-x146	61x-x146
M20.0x2.50	617-x151	618-x151	61x-x151
M20.0x2.00	617-x152	618-x152	61x-x152
M20.0x1.50	617-x153	618-x153	61x-x153
M20.0x1.00	617-x154	618-x154	61x-x154
M20.0x.75	617-x155	618-x155	61x-x155
M20.0x.50	617-x156	618-x156	61x-x156
M22.0x2.50	617-x161	618-x161	61x-x161
M22.0x2.00	617-x162	618-x162	61x-x162
M22.0x1.50	617-x163	618-x163	61x-x163
M22.0x1.00	617-x164	618-x164	61x-x164
M22.0x.75	617-x165	618-x165	61x-x165
M22.0x.50	617-x166	618-x166	61x-x166
M24.0x3.00	617-x171	618-x171	61x-x171
M24.0x2.00	617-x172	618-x172	61x-x172
M24.0x1.50	617-x173	618-x173	61x-x173
M24.0x1.00	617-x174	618-x174	61x-x174
M24.0x.75	617-x175	618-x175	61x-x175
M24.0x.50	617-x176	618-x176	61x-x176
M27.0x3.00	617-x181	618-x181	61x-x181
M27.0x2.00	617-x182	618-x182	61x-x182
M27.0x1.50	617-x183	618-x183	61x-x183
M27.0x1.00	617-x184	618-x184	61x-x184
M27.0x.75	617-x185	618-x185	61x-x185
M27.0x.50	617-x186	618-x186	61x-x186
M30.0x3.50	617-x191	618-x191	61x-x191
M30.0x3.00	617-x192	618-x192	61x-x192
M30.0x2.00	617-x193	618-x193	61x-x193
M30.0x1.50	617-x194	618-x194	61x-x194
M30.0x1.00	617-x195	618-x195	61x-x195
M30.0x.75	617-x196	618-x196	61x-x196
M33.0x3.50	617-x201	618-x201	61x-x201
M33.0x3.00	617-x202	618-x202	61x-x202
M33.0x2.00	617-x203	618-x203	61x-x203
M33.0x1.50	617-x204	618-x204	61x-x204
M33.0x1.00	617-x205	618-x205	61x-x205
M33.0x.75	617-x206	618-x206	61x-x206
M36.0x4.00	617-x211	618-x211	61x-x211
M36.0x3.00	617-x212	618-x212	61x-x212
M36.0x2.00	617-x213	618-x213	61x-x213
M36.0x1.50	617-x214	618-x214	61x-x214
M36.0x1.00	617-x215	618-x215	61x-x215
M39.0x4.00	617-x221	618-x221	61x-x221
M39.0x3.00	617-x222	618-x222	61x-x222
M39.0x2.00	617-x223	618-x223	61x-x223
M39.0x1.50	617-x224	618-x224	61x-x224
M39.0x1.00	617-x225	618-x225	61x-x225

Precision Feeler Gages

- Used for fitting and seting narrow slots.
- lock nut securely holds one or more blades.
- Each blade clearly marked with thickness.





Inch Size

No. of Blades	Blade Thickness Induded(inch)	Blade Length	Order No.
9	.002-.003-.004-.005-.006-.008-.010-.015-.020	3”	**615-6203**
9	.002-.003-.004-.006-.008-.012-.013-.020-.025	3”	**615-6204**
12	.008-.010-.012-.013-.014-.015-.016-.018-.019 .020-.025-.026	4”	**615-6205**
15	.002-.003-.004-.005-.006-.008-.011-.012-.013- .014-.016-.018-.020-.022-.025	3-1/2”	**615-6206**
16	..010-.012-.013-.015-.016-.017-.018-.020-.022- .024-.025-.026-.028-.030-.032-.035		**615-6201**

No. of Blades	Blade Thickness Induded(inch)	Blade Length	Order No.
8	.015-.018-.020-.025-.028-.030-.035-.040		**615-6207**
26	.0015-.002-.0025-.003-.004-.005-.006-.007-.008- .009-.010-.011-.012-.013-.014-.015-.016-.017- .018-.019-.020-.021-.022-.023-.024-.025	3-1/2”	**615-6208**
32	0015-.002-.0025-.003-.004-.005-.006-.007-.008- .009-.010-.010-.011-.012-.013-.014-.015-.016- .017-.018-.019-.020-.021-.022-.023-.024-.025- .026-.028-.030-.032-.035	1-1/2”	**615-6209**

Metric Size

No. of Blades	Blade Thickness Included(mm)	Blades Length 75mm Order No.	100mm Order No.	150mm Order No.	200mm Order No.	300mm Order No.	500mm Order No.	800mm Order No.	1000mm Order No.
6	0.10-0.15-0.20-0.25-0.30-0.40	**615-6006**							
9	0.04-0.05-0.06-0.07-0.08-0.10-0.15-0.20-0.30	**615-6009**							
11	0.03-0.04-0.05-0.06-0.07-0.10-0.15-0.25-0.30- 0.40-0.50		**615-6401**	**615-6402**	**615-6403**	**615-6404**			
12	0.05-0.06-0.07-0.08-0.09-0.10-0.15-0.20-0.25- 0.30-0.35-0.40		**615-6411**	**615-6412**	**615-6413**	**615-6414**			
13	0.02-0.02-0.03-0.03-0.04-0.04-0.05-0.05- 0.06-0.07-0.08-0.09-0.10		**615-6421**	**615-6422**	**615-6423**	**615-6424**			
13	0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60- 0.70-0.80-0.90-1.00		**615-6431**	**615-6432**	**615-6433**	**615-6434**	**615-6513**	**615-6514**	**615-6515**
14	1 0.05-0.06-0.07-0.08-0.09-0.10-0.15-0.20-0.25- 0.30-0.40-0.50-0.75-1.00		**615-6441**	**615-6442**	**615-6443**	**615-6444**			
14	0.05-0.06-0.07-0.08-0.09-0.10-0.15-0.20-0.25- 0.30-0.35-0.40-0.45-0.50		**615-6451**	**615-6452**	**615-6453**	**615-6454**			
17	0.02-0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10- 0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50		**615-6461**	**615-6462**	**615-6463**	**615-6464**			
17	0.02-0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10- 0.15-0.20-0.25-0.30-0.40-0.50-0.75-1.00		**615-6471**	**615-6472**	**615-6473**	**615-6474**			
20	0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50 -0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00		**615-6481**	**615-6482**	**615-6483**	**615-6484**	**615-6516**	**615-6517**	**615-6518**
21	0.02-0.02-0.03-0.03-0.04-0.04-0.05-0.05-0.06- 0.07-0.08-0.09-0.10-0.15-0.20-0.25-0.30-0.35- 0.40-0.45-0.50		**615-6491**	**615-6492**	**615-6493**	**615-6494**			

Acme Screw Thread Gages

29° Acme Screw Thread Gage

- Foe grinding & setting tools when cutting Acme threads whose sides have an inclination of 14-1/2¡ã
- Angle & edges are precision ground.



Specifications	Material	Order No.
Threads: 1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9, 10	Stainless Steel	**615-6121**
	Carbon Steel	**615-6123**

30° Acme Screw Thread Gage

- Foe grinding & setting tools when cutting Acme threads whose sides have an inclination of 15°.
- Made from stainless steel with satin chrome finish
- Angle & edges are precision ground.



Specifications	Order No.
Threads: 2, 3, 4, 5, 6, 7, 8, 9, 10,12	**615-6125**

Screw Thread Gages

- For grinding & setting tools when cutting Acme threads whose sides have inclination.
- Made from stainless steel with satin chrome finish
- Angle & edges are precision ground.



Order No. 615-6128



Order No. 615-6126



Order No. 615-6127

Specifications	Order No.
Threads: 2, 3, 4, 5, 6, 7, 8, 9, 10,12; 2,2.5,3,3.5,4,5,6,7,8 Angle: 55°&60°	**615-6126**
Threads: 2, 3, 4, 5, 6, 7, 8, 9, 10,12 Angle: 40°,45°50°,55°,60°65°,70°,75°,80°	**615-6127**
Threads: 2, 2.5,3,3.5, 4,4.5, 5, 6, 7, 8 Angle: 45°,53.8°,55°,60°,70°,55°,60°	**615-6128**

Thread & Angle Gages

Screw Cutting Gage

- Gages 47-1/2° British, 14-1/2° Acme, 55° Whitworth & BSF & 60° USA & Metric
- Made from stainless steel with satin chrome finish
- Deep etched graduations
- All gage surfaces are ground



Order No. 615-6124

Screw Pitch Gages

- For use when quick identification of screw pitchosis needed.
- American National-60° Threads Withworth standard-55° Threads.





Order No. 615-6340



Order No. 615-6348

No. of Blades	Range	Order No.
22	4-48TPI, Inch 55°	**615-6322**
10	13-40 TPI, Metric 60°	**615-6323**
30	4-42TPI, Inch 55°	**615-6324**
30	4-42TPI, Metric 60°	**615-6342**
51	4-84 TPI, Inch 60°	**615-6351**
30	6-60 TPI, Inch 60°	**615-6334**
52	4-62TPI, Inch 55°&.25-6mm,metric 60°	**615-6348**
14	0.35-3mm, 60°	**615-6317**
20	0.4-6mm, 60°	**615-6318**
16	0.25-2.5mm, 60°	**615-6320**
18	0.5-7.0mm, 60°	**615-6330**
28	0.25-2.5mm, 60°	**615-6332**
18	0.4-7.0mm, 60°	**615-6321**
24	0.25-6.0mm, 60°	**615-6340**
28	0.25-2.5mm, 60°	**615-6339**
30	0.25-3.0mm, 60°	**615-6341**

T Screw Pitch gages



Inch

No. of Leaves	Specifications	Degree	Order No.
16	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3,	29°	**615-6326**
	3-1/2, 4, 5, 6, 7, 8,9,10,12"	30°	**615-6151**
12	2, 3, 4, 5, 6, 7, 8, 9, 10,	29°	**615-6159**
	12, 16, 20mm	30°	**615-6327**
11	2-1/2, 3, 3-1/2, 4, 5, 6, 7, 8, 9,10 , 12		**615-6153**
7	2, 2-1/2, 3, 3-1/2, 4, 4-1/2, 5		**615-6155**
7	6, 7, 8, 9, 10, 11, 12		**615-6157**

Screw Pitch Gages

- For use when quick identification of screw pitchosis needed.
- Whitworth standard-55° Threads.



No. of Leaves	Description	Inch Range	Order No.
28	Whitworth 55°	4,4-1/2,5,6,7,8,9,10,11,12, 13,14,16,18,19,20,22,24,25, 26,28,30,32,36,40,48,60,62	**615-6343**

Center Gages



Type	Order No.
Metric std. 60°	**615-6260**
Whitworth std. 55°	**615-6255**
U.S. std. 60°	**615-6300**

Angle Gages



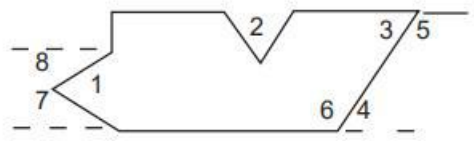
No. of Blades	Angle Range	Order No.
18	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°, 14°, 14-1/2°, 15°, 25°, 30°, 35°, 45°	**615-9182**
20	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°,1 0°, 12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45°	**615-9184**

18 Pc. Angle Gage Set

Stainless Steel

- Manufactured from stainless steel,satin-finished.
- Inspecting angles on ground from tools and cutters.
- Eight gaging surfaces Per gage.
- Each gage checks primary,1/2 primary and complimentary angle.





Angles 1.2.3 & 4...Primary
Angles 5 & 6...Complimentary
Angles 8 & 8.....1/2-Primary

Order No. 615-9180

Primary Angle	1/2Primary Angle	Comp. Angle	Primary Angle	1/2Primary Angle	Comp. Angle
5°	2° 30"	175°	50°	25°	130°
10°	5°	170°	55°	27° 30"	125°
15°	7° 30"	165°	60°	30°	125°
20°	10°	160°	65°	32° 30"	115°
25°	12° 30"	155°	70°	35°	110°
30°	15°	150°	75°	37° 30"	105°
35°	17° 30"	145°	80°	40°	100°
40°	20°	140°	85°	42° 30"	95°
45°	22° 30"	135°	90°	45°	90°

Radius Gages

- Made of the finest quality steel.
- Satin chrome finish.
- Each gage is marked with size.



Order No.615-6555

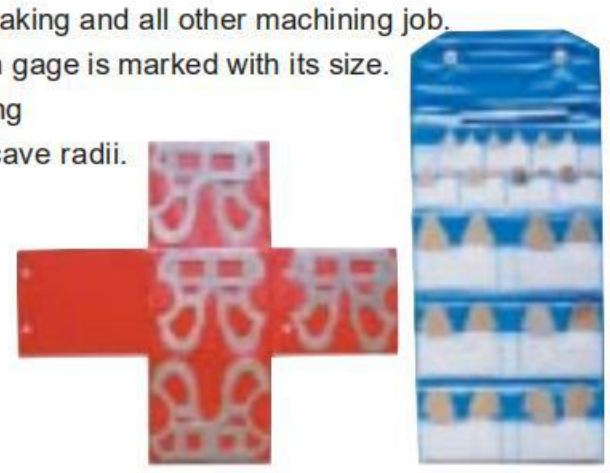


Order No.615-6530

No. of Blades	Concave Blades	Convex Blades	Radius range	Order No.
30	15	15	1/32" - 1/4", step by 1/64"	**615-6565**
32	16	16	17/64" - 1/2", step by 1/32"	**615-6570**
32	16	16	17/32" - 1", step by 1/32"	**615-6575**
32	16	16	1.0-6.5mm, 1-3mm step by 0.25, 3.5-6.5mm step by 0.5	**615-6550**
32	16	16	7.5-15mm, step by 0.5mm	**615-6555**
30	16	16	15.5-25mm, 15.5-20mm step by 0.5 , 21-25mm step by 1.0	**615-6560**
34	17	17	1-7mm, 1-3mm step by 0.25, 3.5-7mm step by 0.5	**615-6530**

Radius Gage Sets

- Designed for checking radius, easier and faster, it can be used for inspection, layout, pattern making and all other machining job.
- Satin chrome finish and each gage is marked with its size.
- Each gage has five measuring surface for convex and concave radii.



Gages Per Set	Range	Holder	Order No.
8	9/32" to 1/2" by 32nds	Included	**615-4008**
8	9/16" to 1" by 16ths	Included	**615-4108**
8	1-1/16" to 1-1/2" by 16ths	Not Included	**615-4208**
8	9/16" to 1" by 16ths	Not Included	**615-4308**
10	0.550 to 1" by 0.05"	Not Included	**615-4010**
17	1/64" to 17/64" by 64ths	Included	**615-4017**
19	0.02" to 0.500"	Not Included	**615-4019**
19	0.020" to 0.500"	Included	**615-4119**
22	0.5-7mm by 0.5mm, 8-15mm by 1mm	Included	**615-4022**
25	1/64" to 17/64" by 64ths & 9/32 to 1/2 by 32ths	Included	**615-4025**
26	0.010" to 0.500"	Included	**615-4126**
26	0.5-13.0mm by 0.5mm	Included	**615-4226**

Planer & Shaper Gage

- Max. Range 1/4 - 6 - 1/4" with extension rod.
- Makes setting of planer and shaper tools easy.
- Set gage with micrometer, surface gage or caliper and bring cutting tool in contact with it.
- Gives the operator a reliable starting point, thus eliminating trial cuts. Also use in conjunction with dial indicator to level large plates for planing, etc.



Order No.600-0049

Wire Gage

For measuring wire diameter and non-ferrous sheets

- Made of hardened steel.
- Satin Chrome finish.
- Marks of gage size on front, decimal equivalents on back.



Order No.615-7100

Thread Measuring Wire Sets

- 48 Pieces, 16 different sizes for all 60° threads
- Measures all threads from 3 to 48 threads per inch and all metric from 0.5mm to 6mm pitch.
- 3 wire method is the best method of measuring external threads.
- Wires are fitted in a plastic case stamped with sizes.
- Laminated chart compiled from the U.S. Standard.
- Gives proper sizes & measurement over wires.





No. of Wires	Specifications	Order No.
48	Threads from 3 to 48 threads per inch and metric from 0.5mm to 6mm pitch.	**600-0500**

Stainless Steel Sheet Metal Gages

- Handy gage for measuring cylindrical bores, bearing work and for gaging slots.
- Made from polished stainless steel
- Clearly etched graduations for inch on one side and metric on other.

Inside Gage

Range:3-30mm(1/8" to 1-1/4")
Order No. 615-6253



Outside gage

Range:1-13mm(.035" to .5")
Order No. 615-6254



Surface Roughness Standard

For checking , identifying and specifying the degree of roughness of machine parts

- 30 specimens: 7/8"L x 3/8W .
- Set completed with marking in µ AA(Micro Inches Arithmetical Average) and metric in µm RA (Micrometers).



Order No.630-9900

The set includes 30 specimens of six maching methods:

Specifications	Measuring Range
3 Specimens:Flat Lapping	2, 4and 8 µ" A A
3 Specimens:Reaming	16, 32 and 63 µ" A A
6 Specimens:Grinding	2, 4, 8,16,32 and 63 µ" A A
6 Specimens:Horizontal Milling	16, 32, 63, 125, 250 and 500 µ" A A
6 Specimens:Vertical Milling	16, 32, 63, 125, 250 and 500 µ" A A
6 Specimens:Turning	16, 32, 63, 125, 250 and 500 µ" A A

Telescoping Gages

NEW

Square head

- Made of hardened tool steel.
- Satin chrome finish.
- Rigid handle with self-centering feature.



Range	Length	Order No.
5/16 - 1/2"(8-12.7mm)	4"(102mm)	**615-6611**
1/2 - 3/4"(12.7-19mm)	4"(102mm)	**615-6612**
3/4 - 1-1/4"(19-32mm)	4"(102mm)	**615-6613**
1-1/4 - 2-1/8"(32-54mm)	5"(127mm)	**615-6614**
2-1/8" - 3-1/2"(54-90mm)	5"(127mm)	**615-6615**
3-1/2 - 6"(90-150mm)	5"(127mm)	**615-6616**
4-3/4-8"(120-200mm)	5"(127mm)	**615-6650**
6Pcs/set,5/16"-6"(8-150mm)		**615-6610**

Square head, TiN Coated

- Made of hardened tool steel.
- Satin chrome finish.
- Rigid handle with self-centering feature.



Range	Length	Order No.
5/16 - 1/2"(8-12.7mm)	4"(102mm)	**615-6622**
1/2 - 3/4"(12.7-19mm)	4"(102mm)	**615-6623**
3/4 - 1-1/4"(19-32mm)	4"(102mm)	**615-6624**
1-1/4 - 2-1/8"(32-54mm)	5"(127mm)	**615-6625**
2-1/8" - 3-1/2"(54-90mm)	5"(127mm)	**615-6626**
3-1/2 - 6"(90-150mm)	5"(127mm)	**615-6627**
6Pcs/set,5/16"-6"(8-150mm)		**615-6621**

Long Handle Telescoping Gages

Ball head



Range	Handle Length	Order No.
5/16 - 1/2"(8-12.7mm)	8"(200mm)	**615-6661**
1/2 - 3/4"(12.7-19mm)	8"(200mm)	**615-6662**
3/4 - 1-1/4"(19-32mm)	8"(200mm)	**615-6663**
1-1/4 - 2-1/8"(32-54mm)	8"(200mm)	**615-6664**
2-1/8" - 3-1/2"(54-90mm)	8"(200mm)	**615-6665**
3-1/2 - 6"(90-150mm)	8"(200mm)	**615-6666**
4-3/4" - 8"(150-200mm)	8"(200mm)	**615-6668**

Range	Handle Length	Order No.
5/16 - 1/2"(8-12.7mm)	12"(300mm)	**615-6671**
1/2 - 3/4"(12.7-19mm)	12"(300mm)	**615-6672**
3/4 - 1-1/4"(19-32mm)	12"(300mm)	**615-6673**
1-1/4 - 2-1/8"(32-54mm)	12"(300mm)	**615-6674**
2-1/8" - 3-1/2"(54-90mm)	12"(300mm)	**615-6675**
3-1/2 - 6"(90-150mm)	12"(300mm)	**615-6676**
4-3/4" - 8"(150-200mm)	12"(300mm)	**615-6678**

Precision Telescoping Gages

Ball head

- Made of hardened tool steel.
- Satin chrome finish.
- Rigid handle with self-centering feature.



Range	Length	Order No.
5/16 - 1/2"(8-12.7mm)	4"(102mm)	**615-6631**
1/2 - 3/4"(12.7-19mm)	4"(102mm)	**615-6632**
3/4 - 1-1/4"(19-32mm)	4"(102mm)	**615-6633**
1-1/4 - 2-1/8"(32-54mm)	5"(127mm)	**615-6634**
2-1/8" - 3-1/2"(54-90mm)	5"(127mm)	**615-6635**
3-1/2 - 6"(90-150mm)	5"(127mm)	**615-6636**
6Pcs/set,5/16"-6"		**615-6630**
4Pcs/set,5/16"-2-1/2"		**615-6638**
5Pcs/set, 1/2"-6"		**615-6639**

Ball head, TiN Coated

- Made of hardened tool steel.
- Satin chrome finish.
- Rigid handle with self-centering feature.



Range	Length	Order No.
5/16 - 1/2"(8-12.7mm)	4"(102mm)	**615-6641**
1/2 - 3/4"(12.7-19mm)	4"(102mm)	**615-6642**
3/4 - 1-1/4"(19-32mm)	4"(102mm)	**615-6643**
1-1/4 - 2-1/8"(32-54mm)	5"(127mm)	**615-6644**
2-1/8" - 3-1/2"(54-90mm)	5"(127mm)	**615-6645**
3-1/2 - 6"(90-150mm)	5"(127mm)	**615-6646**
6Pcs/set,5/16"-6"(8-150mm)		**615-6640**

Small Hole Gage Sets

- Available in half and full ball styles.
- Sets supplied in fitted case.
- Range is 1/8" thru 1/2".
- Heat treated and precision ground.
- Hole size is obtained by measuring over the contact points with a micrometer.
- Knurled knob at end of handle is used for size adjustment.



Half Ball Type

Inch Range	Metric Range	Order No.
.125-.200"	3-5mm	**615-6241**
.200-.300"	5-7	**615-6242**
.300-.400"	7.5-10	**615-6243**
.400-.500"	10-12.54	**615-6244**
4pcs set		**615-6250**

Full Ball Type

Inch Range	Metric Range	Order No.
.125-.200"	3-5mm	**615-6245**
.200-.300"	5-7	**615-6246**
.300-.400"	7.5-10	**615-6247**
.400-.500"	10-12.54	**615-6248**
4pcs set		**615-6251**

Dial Bore Gage Sets



Plastic Cases only for Sizes lower than 6”



Wooden Cases

Probe Type



Inch Size

Range	Depth	Package	.001” Order No.	.0005” Order No.	.0001” Order No.
0.24-0.4”	1.57”	Plastic Case	**612-5906**	**612-5900**	**612-5902**
0.4-0.7”	4”	Plastic Case	**612-5907**	**612-5905**	**612-5904**
0.7-1.5”	5”	Plastic Case	**612-5908**	**612-5910**	**612-5909**
1.4-2.4”	6”	Plastic Case	**612-5912**	**612-5915**	**612-5914**
2-4”	6”	Plastic Case	**612-5918**	**612-5916**	**612-5917**
2-6”	6”	Plastic Case	**612-5919**	**612-5920**	**612-5921**
6-10”	16”	Wooden Case	**612-5930**	**612-5925**	**612-5927**
10-16”	16”	Wooden Case	**612-5940**	**612-5935**	**612-5937**
1.4-2.4”	19.7”	Wooden Case	**612-6906**	**612-6900**	**612-6903**
1.4-2.4”	39.4”	Wooden Case	**612-6915**	**612-6910**	**612-6917**
1.4-2.4”	59.1”	Wooden Case	**612-6925**	**612-6920**	**612-6923**
2-4(6)	19.7”	Wooden Case	**612-6935**	**612-6930**	**612-6933**
2-4(6)	39.4”	Wooden Case	**612-6945**	**612-6940**	**612-6943**
2-4(6)	59.1”	Wooden Case	**612-6955**	**612-6950**	**612-6953**
6-10”	19.7”	Wooden Case	**612-6965**	**612-6960**	**612-6963**
6-10”	39.4”	Wooden Case	**612-6975**	**612-6970**	**612-6973**
6-10”	59.1”	Wooden Case	**612-6985**	**612-6980**	**612-6983**
10-16”	19.7”	Wooden Case	**612-6995**	**612-6990**	**612-6991**
10-16”	59.1”	Wooden Case	**612-6999**	**612-6998**	**612-6993**

Metric Size, Grad. 0.01mm

Range	Depth	Order No.	Range	Depth	Order No.
6-10mm	40mm	**612-7900**	35-50mm	1500mm	**612-7950**
10-18mm	100mm	**612-7905**	50-100mm(160)	500mm	**612-7955**
18-35mm	125mm	**612-7910**	50-100mm(160)	1000mm	**612-7960**
35-50mm	150mm	**612-7915**	50-100mm(160)	1500mm	**612-7965**
50-100mm	150mm	**612-7920**	160-250mm	500mm	**612-7970**
50-160mm	150mm	**612-7925**	160-250mm	1000mm	**612-7975**
160-250mm	400mm	**612-7930**	160-250mm	1500mm	**612-7980**
250-450mm	400mm	**612-7935**	250-450mm	500mm	**612-7985**
35-50mm	500mm	**612-7940**	250-450mm	1000mm	**612-7990**
35-50mm	1000mm	**612-7945**	250-450mm	1500mm	**612-7995**

Digital Bore Gages



- Extra large LCD, 360 degree rotation
- Double display: digital and electronic scale
- Inch/Metric conversion
- Easily calibrated by one button
- Directly measure the actual value of workpiece
- Easily realize the blind measuring by freezing minimum value
- Relative measurement/Absolute measurement
- Data output RS 232
- Various measuring head for different size of bore measuring
- Power: 3V CR2032 Lithium battery
- Work temperature: +5°C+4°C,
  Storage temperature: -10°C+60°C

Range	Graduation	Accuracy	Order No.
.24 to .4”/6-10mm	.00005”/.002mm	.012mm	**612-5700**
.40 to .7”/10-18mm	.00005”/.002mm	.012mm	**612-5702**
.70 to 1.5”/18-35mm	.00005”/.002mm	.015mm	**612-5704**
1.4 to 2.4”/35-50mm	.00005”/.002mm	.015mm	**612-5706**
2 to 4”/50-100mm	.00005”/.002mm	.018mm	**612-5708**
2 to 6”/50-160mm	.00005”/.002mm	.018mm	**612-5710**
6 to 10”/160-250mm	.00005”/.002mm	.018mm	**612-5712**
10 to 16”/250-450mm	.00005”/.002mm	.018mm	**612-5714**

Accessories For Inch Dial Bore Gages

- Anvils for 0.7-1.5” Dial Bore Gages are screw style with 0.1” step.
- 1.4-2.4”, 2-4”, 2-6”, 6-10”, 10-16”, Dial Bore Gage anvils are plug style.
- Washers are used as a smaller steps adjustment.
- Sub-Anvils extend measuring range by 2” or 4”.
- Included with above sets.



Sub-Anvils

Range of Bore Gage	Grad.	Qty of Sub-Anvils	No.1	No.2
2-4”	0.001”	1	2”	
2-6	0.001	1	2	
6-10	0.001	1	2	
10-16	0.001	2	2	4
2-6	0.0005	1	2	
6-10	0.0005	1	2	
10-16	0.0005	2	2	4
2-6	0.0001	1	2	
6-10	0.0001	1	2	

Anvils

Washers

Range of Bore Gage	Grad.	Qty of Anvils	No. of Anvils No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	Qty of Washers	No. of Washers No.1	No.2	No.3	No.4	No.5
0.24-0.4”	0.001/0.0005”	9	0.24”	0.26”	0.28”	0.3”	0.32”	0.34”	0.36”	0.38”	0.4”								
0.4-0.7	0.001/0.0005”	9	0.4	0.44	0.48	0.52	0.58	0.62	0.64	0.68	0.7			1	0.02				
0.7-1.5	0.001/0.0005”	8	0.7-0.8	0.8-0.9	0.9-1.0	1.0-1.1	1.1-1.2	1.2-1.3	1.3-1.4	1.4-1.5									
1.4-2.4	0.001/0.0005”	6	1.4	1.6	1.8	2	2.2	2.4				3.8		3	0.02	0.05	0.1		
2-4	0.001/0.0005”	11	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	3	0.02	0.05	0.1		
2-6	0.001/0.0005”	11	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6		4	3	0.02	0.05	0.1		
6-10	0.001/0.0005”	6	6	6.4	6.8	7.2	7.6	8						5	0.02	0.05	0.1	0.2	0.3
10-16	0.001/0.0005”	6	10	10.4	10.8	11.2	11.6	12						5	0.02	0.05	0.1	0.2	0.3
1.4-2.4	0.0001”	6	1.4	1.6	1.8	2	2.2	2.4				3.8		4	0.01	0.02	0.05	0.1	
2-4	0.0001”	11	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4	0.01	0.02	0.05	0.1	
2-6	0.0001”	11	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6		4	4	0.01	0.02	0.05	0.1	
6-10	0.0001”	6	6	6.4	6.8	7.2	7.6	8						5	0.02	0.05	0.1	0.2	0.3

Dial Indicators



Inch Size

Range	Grad.	Dial Reading	Dial Size	Back Lug	Order No.
0.05"	.0001"	0-100	2.28"	With	**605-4000**
0.125	.0005	0-25-0	1-37/64	With	**605-4002**
0.125	.00025	0-100	1-37/64	With	**605-4003**
1/4	0.0005	0-100	1-37/64	Without	**605-4007**
1/4	0.0005	0-100	2.28	Without	**605-4008**
0.25	0.001	0-100	2.28	With	**605-4030**
0.25	0.001	0-100	2.28	With	**605-4031***
0.25	0.001	0-50-0	2.28	With	**605-4035**
0.25	0.001	0-100	1-37/64	Without	**605-4041**
0.25	0.001	0-100	1-37/64	With	**605-4040**
0.25	0.0005	0-100	2.28	With	**605-4005****
0.25	0.0005	0-100	1-37/64	With	**605-4004**
0.25	0.0005	0-50	2.28	With	**605-4058**
0.25	0.0001	0-100	2.28	With	**605-4006**
0.40	0.001	0-100	2.28	With	**605-4045**
0.5	0.001	0-100	2.28	With	**605-4050**
0.5	0.001	0-100	2.28	With	**605-4051***
0.5	0.001	0-100	2.28	Without	**605-4605**
0.5	0.001	0-50-0	2.28	With	**605-4055**
0.5	0.0005	0-100	2.28	With	**605-4052**
0.5	0.0005	0-50	2.28	With	**605-4060**
0.5	0.0005	0-25-0	2.28	With	**605-4065**
0.5	0.0001	0-100	2.28	With	**605-4012**
1	0.001	0-100	2.28	With	**605-4070**
1	0.001	0-100	2.28	With	**605-4080*****
1	0.001	0-50-0	2.28	With	**605-4075**
1	0.0005	0-100	2.28	With	**605-4071**
1	0.0005	0-50	2.28	With	**605-4063**
1	0.0001	0-100	2.28	With	**605-4025**
2	0.001	0-100	2.28	With	**605-4205**
2	0.001	0-100	2.28	With	**605-4206*****



* Economy Dial Indicators.

** without Rev.Counter.

*** Black Face



Metric Size

Range (mm)	Grad. (mm)	Dia. (mm)	Back Lug Style		Order No.
0.5	0.001	40	With		**605-4305**
0.8	0.001	40	With		**605-4308**
1	0.001	40	Without	6 Jeweled	**605-4100**
1	0.001	40	With	6 Jeweled	**605-4301**
1	0.001	58	Without	6 Jeweled	**605-4101**
3	0.01	40	with		**605-4110**
3	0.01	40	With	6 Jeweled	**605-4311**
3	0.01	40	Without		**605-4120**
3	0.01	40	Without	6 Jeweled	**605-4310**
3	0.01	58	With		**605-4236**
3	0.01	58	With	Shock Proof	**605-4235**
3	0.01	58	Without		**605-4232**
3	0.01	58	Without	Shock Proof	**605-4230**
3	0.001	50	Without		**605-4103**
5	0.01	58	With		**605-4130**
5	0.01	58	Without		**605-4115**
5	0.01	58	Without	6 Jeweled	**605-4330**
5	0.01	58	With	6 Jeweled	**605-4331**
5	0.01	40	Without		**605-4140**
5	0.001	58	Without	6 Jeweled	**605-4345**
8	0.01	40	with		**605-4108**
8	0.01	40	Without		**605-4145**
10	0.01	58	With		**605-4151**
10	0.01	58	Without		**605-4125**
10	0.01	58	Without	6 Jeweled	**605-4136**
10	0.01	58	With		**605-4360**
10	0.01	60	With	6 Jeweled	**605-4350**
10	0.01	60	Without	6 Jeweled	**605-4351**
15	0.01	58	With		**605-4150**
20	0.01	58	With		**605-4190**
25	0.01	58	Without	6 Jeweled	**605-4160**
30	0.01	58	With		**605-4165**
30	0.01	58	Without		**605-4166**
50	0.01	76	With		**605-4170**
50	0.01	76	Without		**605-4180**





Dual System Dial Indicators



Inch/Metric:

Inch Outside, Metric Inside

Inch/Metric Dial Indicators

Range	Dial Dia.	Graduation	Order No.
0-1/2"/0-12.7mm	2-3/8"	0.001"/0.1mm	**605-4815**
0-1"/0-25mm	2-3/8"	0.001"/0.1mm	**605-4816**



Inch/Metric Dial Indicators

Range	Dial Dia.	Graduation	Order No.
0-1"/0-25mm	3"	0.001"/0.1mm	**605-4819**
0-1.5"/0-40mm	3"	0.001"/0.1mm	**605-4820**
0-2"/0-50mm	3"	0.001"/0.1mm	**605-4821**



Metric/Inch:

Metric Outside, Inch Inside

Metric/Inch Dial Indicators

Range	Dial Dia.	Graduation	Order No.
0-12.7mm/0-.5"	2-3/8"	0.1mm/0.001"	**605-4817**
0-25mm/0-1"	2-3/8"	0.1mm/0.001"	**605-4818**



Metric/Inch Dial Indicators

Range	Dial Dia.	Graduation	Order No.
0-25mm/0-1"	3"	0.1mm/0.001"	**605-4822**
0-40mm/0-1.5"	3"	0.1mm/0.001"	**605-4823**
0-50mm/0-2"	3"	0.1mm/0.001"	**605-4824**

Deluxe Dial Indicator



Metric

Range (mm)	Grad. (mm)	Dial Reading	Dial Size	Style	Order No.
10	0.01		58	6 Jewled	**605-8136**
25	0.01		58		**605-8160**
0-1	0.001	0-100-0	58	6 Jewled	**605-8301**

Inch

Range	Grad.	Dial Reading	Dial Size	Back lug	Order No.
0.05”	0.0001”	0-10	2.28”	With	**605-8000**
1/4”	0.001”	0-100	2.28”	With	**605-8030**
1/2”	0.001”	0-100	2.28”	With	**605-8050**
1/2”	0.001”	050-0	2.28”	With	**605-8055**
1.0”	0.001”	0-100	2.28”	With	**605-8070**
1.0”	0.001”	0-100	2.28	With	**605-8080**

Back Plunger Dial Indicators



Inch Back Plunger Dial Test Indicators

Range	Grad.	Dial Diameter	Holding Rod Dia.	Order No.
0-0.1”/0-0.2”	0.001”	1-3/5”	1/4”	**605-3821**

Metric Back Plunger Dial Indicators



Range	Grad.	Dial Diameter	Order No.
0-1mm	0.01mm	40mm	**605-3801**
0-3mm	0.01mm	40mm	**605-3803**
0-5mm	0.01mm	40mm	**605-3805**

Inch Back Plunger Dial Indicators



Range	Grad.	Dial Diameter	Order No.
0-0.04”	0.001”	1-3/5”	**605-3814**
0-0.1	0.001	1-3/5	**605-3811**
0-0.2	0.001	1-3/5	**605-3812**
0-0.25	0.001	1-3/5	**605-3813**

Crankshaft Meter

- Measuring rang: 45-500mm
- Rotatable dial.
- Delivery complete with extensions in case.



Range	Graduation	Order No.
45-500mm	0.01mm	**605-3830**

Digital Indicators

- Maximum measurement speed: 1.5mm/s 60in/s
- Operating temperature: 0~40°C.
- Power: 3V CR2025(silver oxide cell) 1 battery
- Battery life: 1 year continuous usage & 3 years under normal operation
- Face dia. 56.5mm



Range	Graduation	Order No.
12.5mm/0.5”	0.01mm/0.0005”	**605-2017**
25mm/1”	0.01mm/0.0005”	**605-2018**
50mm/2”	0.01mm/0.0005”	**605-2019**

Electronic Digital Indicators



5 Keys, Large Screen

- Zero setting at any position
- Metric/Inch system conversion at any position
- TOL setting switch
- Maximum and minimum tracking switch
- With data output interface
- Outo shutdown

NEW

Range	Graduation	Order No.
0-.5"/12.7mm	0.001mm/0.0005"	**605-2071**
0-1"/25.4mm	0.001mm/0.0005"	**605-2072**
0-2"/50.8mm	0.001mm/0.0005"	**605-2073**

Electronic Digital Indicators

5 Keys, Large Screen

- Maximum measurement speed:1.5m/s (0.001mm/0.0005”)
- ON/OFF, ZERO, in/mm, ABS/INC, TOL
- Operating temperature: 0-40°C
- Power: 1.5V SR44(silver xide cell) 1 battery
- With data output interface

NEW



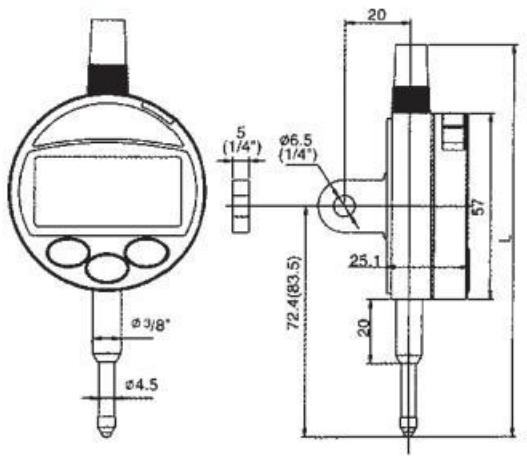
Range	Graduation	Yellow Screen Order No.	Order No.
0-.5"/12.7mm	0.01mm/0.005"	**605-2631**	**605-2691**
0-1"/25.4mm	0.01mm/0.005"	**605-2632**	**605-2692**
0-2"/50.8mm	0.01mm/0.005"	**605-2633**	**605-2693**

Electronic Digital Indicators

3 Keys, Large Screen

- Super large LCD for easy reading .digit height 12.5mm.
- Novel desig, large silvering display window. Customer’s Logo can be printed on it.
- With data output.
- One 1.55V SR44 battery can last about 12 months. Functions:manual ON/OFF or auto power off; zero setting at any position; Metric/Inch system conversion at any position.
- Low voltage warning by flashing display.

NEW





Range	Graduation	Order No.
0-.5"/12.7mm	0.01/0.0005"	**605-2255**
0-1"/25.4mm	0.01/0.0005"	**605-2256**
0-.5"/12.7mm	0.001/0.00005"	**605-2257**
0-1"/25.4mm	0.001/0.00005"	**605-2258**

Electronic Digital Indicators

- Manual power on /off.
- Inch/Metric conversion.
- Absolute or increase model measurement set.
- 5 Pins SPC Output.
- Chrome plated steel shell body.



Range	Graduation	Order No.
0-13mm/0.5"	0.01mm/0.0005"	**605-2601**
0-13mm/0.5"	0.001mm/0.00005"	**605-2701**

3 Keys, Large Screen



Range	Graduation	Order No.
0-10mm/3/8"	0.01mm/.0005"	**605-2023**
0-25mm/1.0"	0.01mm/.0005"	**605-2026**

3 Keys, Large LCD Screen

- Super large LCD display for easy reading
- Big easy to press buttons
- With data output



Range	Graduation	3/8" Shank Order No.	8mm shank Order No.
0-12.7mm/0.5"	0.01mm/0.0005"	**605-2051**	**605-2061**
0-25.4mm/1.0	0.01mm/0.0005	**605-2052**	**605-2062**
0-12.7mm/0.5	0.001mm/.00005	**605-2053**	**605-2063**
0-25.4mm/1.0	0.001mm/.00005	**605-2054**	**605-2064**

7 Keys, Large LCD Screen

- SPC out put
- Preset, Zero Set, Inch/mm, and Tolerance Set.
- Large LCD Screen.



0-25mm/1"

Range	Graduation	Shell Size	Stem Dia.	Order No.
0-25mm/1"	0.01mm/0.0005"	2-1/2"	9.5mm	**605-2002**
0-25mm/1"	0.01mm/0.0005"	60mm	8mm	**605-2003**
0-25mm/1"	0.005mm/0.0001"	2-1/2"x4"	9.5mm	**605-2033**
0-25mm/1"	0.005mm/0.0001"	64x100mm	8mm	**605-2034**

with Analog Display

- Absolutely and comparative measurement.
- Preset tolerance and value.
- Extra large LCD.
- Auto power On/Off.
- 360° Screen rotation.



Range	Grad.	Order No.
6.35mm/1/4"	0.01mm/0.0005"	**605-2511**
12.5mm/0.5"	0.01mm/0.0005"	**605-2512**
25.4mm/1"	0.002mm/0.0001"	**605-2514**
6.35mm/1/4"	0.001mm/0.00005"	**605-2510**
12.5mm/0.5"	0.001mm/0.00005"	**605-2513**
25.4mm/1"	0.001mm/0.00005"	**605-2515**

3 Keys, Standard Screen



Range	Graduation	Order No.
0-10mm/0.4"	0.01mm/.0005"	**605-2010**
0-13mm/0.5"	0.01mm/.0005"	**605-2013**
0-25mm/1.0"	0.01mm/.0005"	**605-2025**
0-30mm/1.2"	0.01mm/.0005"	**605-2030**
0-50mm/2"	0.01mm/.0005"	**605-2050**

3 Keys, Large LCD Screen, Metal -Housing, Ip54

- Measuring speed is faster.no minus sign when "0.00" display
- Super large LCD display for easy reading.
- With durable and premium metal display housing, IP54 Water-resistant
- Big easy to operate electronic buttons
- With data output
- One 1.55V SR44 battery can last about 12 months
- Functions:manual ON/OFF(auto power off available); zero setting at any position;Metric/Inch system conversion at any position
- Low voltage warning by flashing display



Range	Graduation	Order No.
0-12.7mm/0.5"	0.01mm/0.0005"	**605-2251**
0-25.4mm/1.0	0.01mm/0.0005	**605-2252**
0-12.7mm/0.5	0.001mm/.00005	**605-2253**
0-25.4mm/1.0	0.001mm/.00005	**605-2254**

7 Keys Multi-Function Large LCD Screen

- Large LCD Screen.
- Featared extra function of Measuring Range and Measuring Direction setting.



Range	Graduation	Shell Dia.	Stem Dia.	Order No.
0-6.5mm/1/4"	0.001mm/0.00005"	2-1/2"	8mm	**605-2021**
0-13mm/1/2"	0.001mm/0.00005"	64mm	8mm	**605-2047**

7 Keys, Large LCD Screen

0-13mm/1/2"



Range	Graduation	Shell Size	Stem Dia.	Order No.
0-13mm/1/2"	0.01mm/0.0005"	2-1/2"	9.5mm	**605-2000**
0-13mm/1/2"	0.01mm/0.0005"	60mm	8mm	**605-2001**
0-13mm/1/2"	0.005mm/0.0001"	2-1/2"	9.5mm	**605-2031**
0-13mm/1/2"	0.005mm/0.0001"	60mm	8mm	**605-2032**
0-13mm/1/2"	0.001mm/0.00005"	2-1/2"	9.5mm	**605-2035**
0-13mm/1/2"	0.001mm/0.00005"	60mm	8mm	**605-2036**

Dial Test Indicators

- Accesory Included: Two stems, 5/32 & 3/8"(inch) or 6 & 8mm(metric).
- Items with "*" supplied in black face.

Vertical

Range	Grad.	Vertical Order No.
0.008"	0.0001"	**605-4805**
0.03"	0.001"	**605-4801**
0.03"	0.0005"	**605-4810**
0.12mm	0.001mm	**605-4812**
0.2mm	0.002mm	**605-4811**
0.8mm	0.01mm	**605-4813**



Horizontal & Vertical with Carbide Contact Point

Range	Grad.	Horizontal Ortder No.	Vertical Order No.
0.008"	0.0001"	**605-4505**	**605-4405**
0.03"	0.001"	**605-4501**	**605-4401**
0.03"	0.0005"	**605-4510**	**605-4410**
0.03"	0.0005"	**605-4509***	
0.12mm	0.001mm	**605-5012**	**605-4412**
0.8mm	0.01mm	**605-4513**	**605-4413**
0.2mm	0.002mm	**605-4511**	**605-4411**



Horizontal

- Dial Face is 1.26" (32mm), Large Dial Face is 1.57"(39mm)

Range	Grad.	Horizontal Order No.	Horizontal Large Dial Order No.
0.008"	0.0001"	**605-4705**	**605-4905**
0.03"	0.001"	**605-4701**	**605-4901**
0.03"	0.0005"	**605-4709***	
0.03"	0.0005"	**605-4710**	**605-4910**
0.12mm	0.001mm	**605-4712**	**605-4912**
0.2mm	0.002mm	**605-4711**	**605-4911**
0.8mm	0.01mm	**605-4713**	**605-4913**



Horizontal with Ruby Contact Point

- Higher resistance to wear.
- Higher hemical and thermal stability.

Range	Graduation	Horizontal Order No.
0.008"	0.0001"	**605-5705**
0.03"	0.001"	**605-5701**
0.03"	0.0005"	**605-5710**
0.03mm	0.0005mm	**605-5709***
0.2mm	0.002mm	**605-5711**
0.12mm	0.001mm	**605-5712**
0.8mm	0.01mm	**605-5713**



Digital Test Indicators

- Function Keys Include: Power on/off key, Zero setting key, Metric/Inch key, Tolerance key.
- Measuring probe: 2.5mm.



Range	Graduation	Point	Order No.
+/- 0.5mm/0.02"	0.01mm/0.0005"	Rubby	**605-0001**
+/- 0.5mm/0.02"	0.01mm/0.0005"	Steel	**605-0002**
+/- 0.5mm/0.02"	0.001mm/0.0001"	Rubby	**605-0005**
+/- 0.5mm/0.02"	0.001mm/0.0001"	Steel	**605-0006**

Dial Test Indicators

NEW



Horizontal

Range x Grad.	Dial	Dial Dia.	Order No.	Dial Dia.	Order No.
0.02"x0.0005"	0-10-0	32mm	**605-5821**	37mm	**605-5831**
0.03"x0.0005"	0-15-0	32	**605-5822**	37	**605-5832**
0.04"x0.0005"	0-20-0	32	**605-5823**	37	**605-5833**
0.008"x0.0001"	0-40-0	32	**605-5824**	37	**605-5834**
0.5x0.01mm	0-25-0	32	**605-5825**	37	**605-5835**
0.8x0.01mm	0-40-0	32	**605-5826**	37	**605-5836**
1.0x0.01mm	0-50-0	32	**605-5827**	37	**605-5837**
0.2x0.002mm	0-100-0	32	**605-5828**	37	**605-5838**
0.12x0.001mm	0-60-120	32	**605-5829**	37	**605-5839**

Vertical

Range x Grad.	Dial	Dial Dia.	Order No.	Dial Dia.	Order No.
0.02"x0.0005"	0-10-0	32mm	**605-5841**	37mm	**605-5851**
0.03"x0.0005"	0-15-0	32	**605-5842**	37	**605-5852**
0.04"x0.0005"	0-20-0	32	**605-5843**	37	**605-5853**
0.008"x0.0001"	0-40-0	32	**605-5844**	37	**605-5854**
0.5x0.01mm	0-25-0	32	**605-5845**	37	**605-5855**
0.8x0.01mm	0-40-0	32	**605-5846**	37	**605-5856**
1.0x0.01mm	0-50-0	32	**605-5847**	37	**605-5857**
0.2x0.002mm	0-100-0	32	**605-5848**	37	**605-5858**
0.12x0.001mm	0-60-120	32	**605-5849**	37	**605-5859**

Horizontal

- Dial reading: 0-15-0
- Jeweled movement
- Revolution counter
- Easy-to-read tilted dial
- Automatic reversal
- 210° Swivel arc
- Tungsten carbide .080" point



Range	Grad.	Dial Dia.	Order No.
.060"	.0005"	1.5"	**605-5866**
1.6mm	0.01mm	38mm	**605-5868**

Horizontal Dial Test Indicators

- The test indicators can be applicable to measure the geometrical structure, straightness, planeness, parallelism and coaxiality.
- With the help of machine tool, distance of two bors can be measured and dimension can be coordinated.



Micron

Range	Graduation	Accuracy	Order No.
0-.005"	.00005"	.0001"	**605-4502**
0-0.12mm	.001mm	.0025mm	**605-4512**

Large Range

Range	Graduation	Accuracy	Order No.
0-.06"	.0005"	.0004"	**605-4606**
0-1.6mm	.01mm	.008mm	**605-4616**

Test Indicator and Accessory Combo Kit

Set

Set Includes:

- Large size dial test indicator
- Axial support
- Height gage bar with clamp
- Universal holder
- Adaptor sleeve
- Contact point case
- Contact point wrench
- Finished in fitted



Total Range	Grad.	Dial Diameter	Order No.
0.060”	0.0005”	1-1/2”	**605-4870**

Accessories



Holding bar



Stem 5/32” Dia.



Stem 3/8”Dia.



Dovetail clamp



Replacement Point



Axial Support



Adaptor sleeve

Specifications	Order No.
1/4”x1/2” Holding bar with 1/4” pin	**605-0031**
Stem 5/32” diameter with dovetail washer	**605-0032**
Stem 3/8” diameter with dovetail washer	**605-0033**
Dovetail clamp, bore diameter 1/4” and 3/8”	**605-0034**
Replacement Point 0.04”	**605-0035**
Replacement Point 0.08”	**605-0036**
Replacement Point 0.12”	**605-0037**
Axial Support	**605-0038**
Adaptor sleeve	**605-0039**

Horizontal Test Indicator & Quill-Type Holder Combo

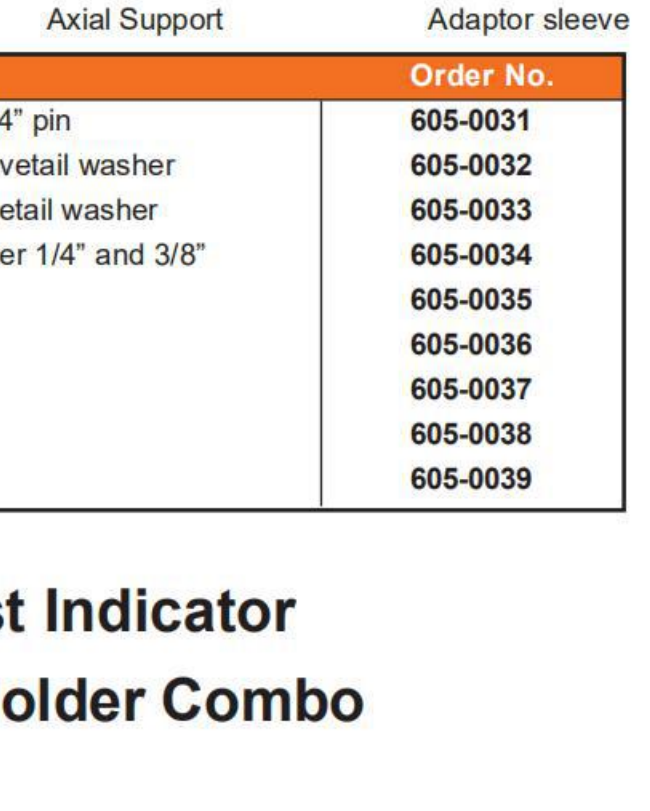
Test Indicator:

- .060” Range
- Graduation: .0005”
- Dial reading: 0-15-0
- Jewelled movement
- Revolution counter
- Easy-to-read tilted dial
- Automatic reversal
- Swivel arc: 210°
- 3 points: 0.04, 0.08 and 0.12”
- Includes 2 dovetail stems
- Furnished in fitted case

Quill Type Holder

- 1-7/8” capacity
- Reach from 0-12” dia.
- Adapts immediately for fast and positive indication

Order No. 605-4872



Dial Test Indicator Sets

Horizontal Type

Set Includes:

- Test indicator:
- Dial reasing: 0-15-0
- Two contact point
- 3/8” &1/4” dovetail stems
- contact point wrench
- Height gage bar
- Universal Dovetail clamp
- Finished in fitted plastic case



Total Range	Grad.	Face	Order No.
0.030”	0.0005”	White	**605-4707**
0.030”	0.0005”	Black	**605-4708**

Horizontal Test Indicator with Magnetic Base

Magnetic base: Locking screw and two universal ball scokets for setting at any angle position.Microfine adjustment screw. Removable extension arm. Dovetail form holder with lock-ing control to hold dovetail test indicators. Accepts .250 diameter test indicator stems. The base is finished in wrinkled enamel.

Test Indicator:

- .060” Range
- Graduation: .0005”
- Dial reading: 0-15-0
- Jewelled movement
- Revolution counter
- Automatic reversal
- Swivel arc: 210°
- 3 points: 0.04, 0.08 and 0.12”
- Includes 2 dovetail stems
- Furnished in fitted case

Order No. 605-4874



Indicator,Magnetic Base & Indicator Point Set

Indicator:

- .030” Range
- Graduation: .0005”
- Dial reading: 0-15-0
- Includes carbide tip points: (0.08” dia. by 1/2” long)

Magnetic Holder

- Two universal ball sockets
- Fine adjustment
- Dovetail clamp
- Base 1-3/16” dia., 1” high
- Extension rod 1/4” dia. by 3-1/2”

White Face

Order No. 605-4876

Black Face

Order No. 605-4877



Comparator Gages

Metric Dial Comparator Gage

Range: +/- 0.05mm
Grad: 0.001mm
Stem Dia.: 8mmH6

Order No.605-5001



Inch Dial Comparator Gage

Range: +/- 0.002"
Grad: 0.00005"
Stem Dia.: 3/8"H6

Order No.605-5002



Digital Bore Gages

- Extra large LCD, 360 degree rotation
- Double display: digital and electronic scale
- Inch/Metric conversion
- Easily calibrated by one button
- Directly measure the actual value of workpiece
- Easily realize the blind measuring by freezing minimum value
- Relative measurement/Absolute measurement
- Data output RS 232
- Various measuring head for different size of bore measuring
- Power: 3V CR2032 Lithium battery
- Work temperature: +5°C+4°C,
  Storage temperature: -10°C+60°C

Range	Graduation	Accuracy	Order No.
.24-.4"/6-10mm	.00005"/.002mm	.012mm	**612-5700**
.40- .7"/10-18mm	.00005"/.002mm	.012mm	**612-5702**
.70-1.5"/18-35mm	.00005"/.002mm	.015mm	**612-5704**
1.4-2.4"/35-50mm	.00005"/.002mm	.015mm	**612-5706**
2-4"/50-100mm	.00005"/.002mm	.018mm	**612-5708**
2- 6"/50-160mm	.00005"/.002mm	.018mm	**612-5710**
6-10"/160-250mm	.00005"/.002mm	.018mm	**612-5712**
10-16"/250-450mm	.00005"/.002mm	.018mm	**612-5714**



Large Radial Dial gage

- Easy to measure the radius of cylinders with radius from 100 to 1000mm
- R=200/h+h/2-3

Range	Graduation	Order No.
100-1000mm	0.001mm	**615-6101**



Large Radial Digital gages

- Easy to measure the radius of cylinders with radius from 100 to 1000mm
- R=200/h+h/2-3

Range	Graduation	Order No.
100-1000mm	0.001mm	**615-6105**



Spherical Radial Dial gages

- Easy to measure the radius of cylinders item
- Equipped with a shock-proof dial indicator
- R=200/h+h/2-3

Range	Graduation	Order No.
15-100mm	0.01mm	**615-6111**
325-1250mm	0.001	**615-6112**



Spherical Radial Digital gages

- Easy to measure the radius of cylinders item
- Equipped with a shock-proof dial indicator
- R=200/h+h/2-3

Range	Graduation	Order No.
15-100mm	0.01mm	**615-6115**
325-1250mm	0.001	**615-6116**



AGD Dial Indicator Contact Points

For Indicator with #4-48 Thread

Tungsten Carbide Ball Tip

- Perfect for use in any repetitive measuring application.
- Extremely smooth and hard.
- Will last much longer than standard steel tips.



Ruby Ball Tip

- Use for all measuring applications.
- Hardness offers resistance to wear and chemical and thermal stability.
- Extremely low friction coefficient, negligible thermal expansion.



Tip Length	Ball Size	Thread	Ball Type	Order No.
1/4"	3mm	#4-48	Carbide	**605-0020**
1/2	3mm	#4-48	Ruby	**605-0021**

Individual Dial Indicator Points

- Fit standard AGDindicators, #4-48 threads.
- Made of highest quality cold rolled steel, carefully knurled for ease of placement and finished with a high quality protective finish.



Description	Length	Order No.
Flat	0.625"	**605-0012**
Round End	0.359	**605-0013**
Conical	0.500	**605-0014**
Stem(Bent)	0.312	**605-0015**
Stem*	1.025	**605-0016**

*Measuring tip = .250"

Indicator Accessories

Special function Dial Indicator Points

- Cold rolled steel, heat treated and plated. AGD #4-48 standard threads.



Description	Order No.
Radius	605-0007
Offset Chisel Point	605-0008
5/16" Diameter Cone	605-0009
1/16" Needle Stud	605-0010
Roller Anvil	605-0011

Dial Indicator Contact Points

- Standard AGD #4-48 thread fits all standard English dial indicators.
- Cold rolled steel, heat treated and plated.



Flat Botton



Botton



Tappered

Dia.	Length	Type	Order No.
1/4"		Flat	605-0027
1/2		Botton	605-0028
3/16	1"	Tappered	605-0029

22 Piece Indicator Point Sets

- Turns your indicator into 22 different tools
- Fits all brand dial indicator.



Specifications	Order No.
Thread: 0.112"-48	605-0022
Thread: M3-0.5	605-0023

Individual Indicator Point

Fits all AGD Group 1,2,3,4 indicator with 4-48 threads.



Code	Type	Length	Order No.
A	Flat	0.175"	605-0101

Indicator Holder

- Universal Dovetail Indicator Holder
- 1/4"Dial.x3"OAL



Order No. 605-0040

Half Round Combination Holder

- With two point adjustment 1/4" diameter shank
- Suitable for dovetail and 5/32" stem indicator



Order No.605-0043

Replacement Tip for Test Indicator

High Quality



Steel Tips	Order No.
.040x1/2"	605-0025

Rectangular Holder

- 1/4"x1/2" Shank for dovetail and 5/32" Stem Indicators.



Order No. 605-0041

Zero Set Universal Attachment

- For standard ZeroSet indicator accessory.
- Allows the placement of any test indicator with dovertails in a multitude of positions.
- Angles up to 90° on either side
- Allows for an infinite range of measure ments over an extensive area



Order No. 605-0030

CMM Style

M2 Threads,Stainless Steel Body, With Grade 10 Ruby Ball



Ball Size	Length	Order No.
1mm Ruby	10mm	605-0024

Arm For Indicator



Order No. 605-0109

Zero Set

- Perfect for milling machines, magnetic bases and all measuring set ups
- Fits all dovetail equipped indicators
- Checks the alignment of the centers of round materials
- Equipped with a spindle post with 1/4", 3/8", and 1/2" diam.
- Effective measuring range of 3/8" thru 9"



NEW

Order No. 605-0100

2 Points Dial Indicator Contact

one needle point x 1" long
one 0.078" dia x 1" long,



Oeder No. 605-0068

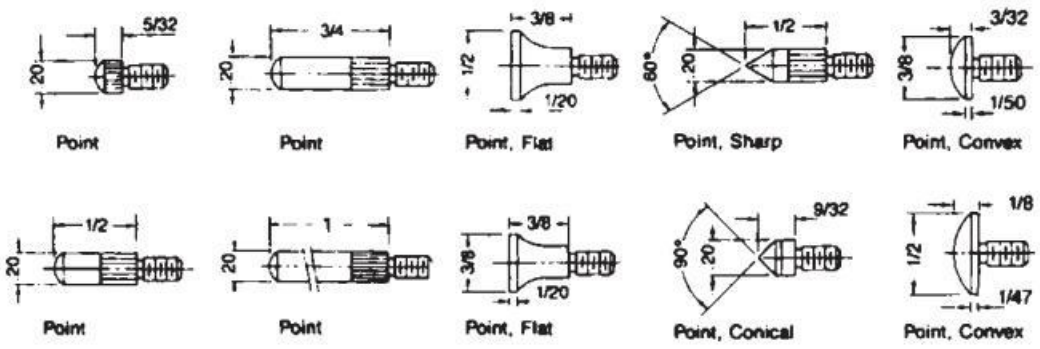
Gem Indicator Accessory Body Clamp Assembly



Order No. 605-0110

Dial Indicator Contact points





Description	Length	Dia.	Order No.
Point,Length	5/32”	.20”	**605-0056**
Point, Length	1/2”	.20”	**605-0057**
Point, Length	3/4”	.20”	**605-0058**
Point, Length	1”	.20”	**605-0059**
Point, Flat	3/8’	1/2”	**605-0060**
Point, Flat	3/8”	3/8”	**605-0061**
Point, Sharp	1/2”	.20”	**605-0062**
Point, Conical	9/32”	.20”	**605-0063**
Point, Convex	3/32”	3/8”	**605-0064**
Point, Convex	1/8”	1/2”	**605-0065**
10Pcs			**605-0066**

Extra Length Contact Points



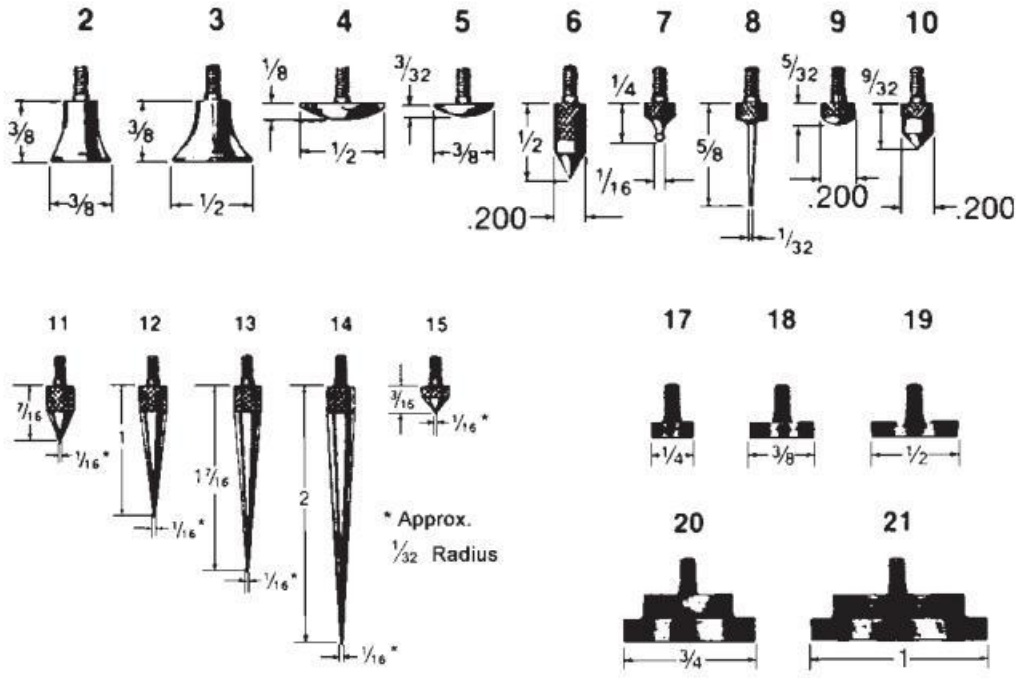
- Used in place of the 1/4” long contact point furnished on dial indicators.
- Standard lengths from 1/2” to 3” in 1/4” increments.
- Diameter 13/64”; #4-48 screw thread.
- Made frome hight grade steel, hardened, ground and chrome plated.



Length	Rounded End Order No.	Flat End Order No.
1/4”	**605-0069**	**605-0169**
1/2”	**605-0070**	**605-0170**
3/4”	**605-0071**	**605-0171**
1”	**605-0072**	**605-0172**
1-1/4”	**605-0073**	**605-0173**
1-1/2”	**605-0074**	**605-0174**
1-3/4”	**605-0075**	**605-0175**
2”	**605-0076**	**605-0176**
2-1/4”	**605-0077**	**605-0177**
2-1/2”	**605-0078**	**605-0178**
2-3/4”	**605-0079**	**605-0179**
3”	**605-0080**	**605-0180**

Special form Contact Points

Special Contact Points are furnished in fourteen shapes. Knurled diameter is approximately 13/64" (5 mm). All have #4-48 screw thread and can be used on any AGD indicator. Other special shapes are available on special order.



Special Form No.	Dia.	Length	Order No.
2	3/8”	3/8”	**605-0081**
3	1/2	3/8	**605-0082**
4	1/2	1/8	**605-0083**
5	3/8	3/32	**605-0084**
6	.2	1/2	**605-0085**
7	1/16	1/4	**605-0086**
8	1/32	5/8	**605-0087**
9	.2	5/32	**605-0088**
10	.2	9/32	**605-0089**
11	1/16	7/16	**605-0090**
12	1/16	1	**605-0091**
13	1/16	1-7/16	**605-0092**
14	1/16	2	**605-0093**
15	1/16	3/16	**605-0094**
17	1/4		**605-0095**
18	3/8		**605-0096**
19	1/2		**605-0097**
20	3/4		**605-0098**
21	1		**605-0099**

Swivel Joint Clamp for Test Indicators

Adapting indicators to holding bars, height gage attachments, long and short arm attachment, and jointed attachment, etc.



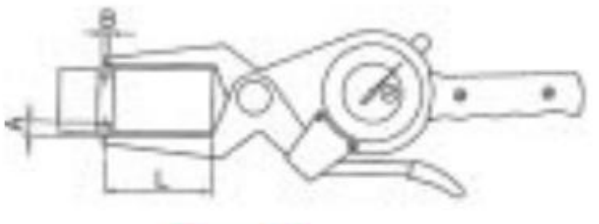
Hole Dia.	OAL	Order No.
5/16”, 1/4”	1-3/4”	**605-0042**
1/4, 1/4	1-3/4	**605-0044**
5/16, 5/32	1-3/4	**605-0045**
3/8, 1/4	1-3/4	**605-0046**
5/16, 5/16	1-3/4	**605-0047**
3/8, 5/16	1-3/4	**605-0048**
3/8, 3/8	1-3/4	**605-0049**
1/2, 3/8	2-1/16	**605-0050**

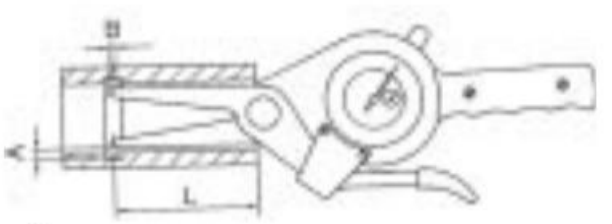
Inside & Outside Dial Calipers

Dial Calipers

Scale Model 0-50-100
Graduation: .01mm

The dial caliper gauges are attachment to the 6-jewel shockproof dial indicator.





INCH



METRIC



Inch Inside

Range	Grad.	A	B	L	Order No.
0.6-1.4”	.0005”	0.118”	0.118”	1.9”	**612-8105**
1.4-2.2”	.0005”	0.236	0.118	3.1	**612-8110**
2.2-3.0”	.0005”	0.315	0.118	3.1	**612-8115**
3.0-3.8”	.0005”	0.315	0.118	3.9	**612-8120**
0.6-1.4”	.001”	0.118	0.118	1.9	**612-8106**
1.4-2.2”	.001”	0.236	0.118	3.1	**612-8111**
2.2-3.0”	.001”	0.315	0.118	3.1	**612-8116**
3.0-3.8”	.001”	0.315	0.118	3.9	**612-8121**

Inch Outside

Range	Grad.	A	B	L	Order No.
0-0.8”	.0005”	0.236	0.118	2.3	**612-8135**
0.8-1.6”	.0005”	0.236	0.118	2.3	**612-8140**
1.6-2.4”	.0005”	0.236	0.118	2.1	**612-8145**
2.4-3.2”	.0005”	0.236	0.118	2.1	**612-8150**
3.2-4.0”	.0005”	0.236	0.118	2.1	**612-8155**
0-0.8”	.001”	0.236	0.118	2.3	**612-8136**
0.8-1.6”	.001”	0.236	0.118	2.3	**612-8141**
1.6-2.4”	.001”	0.236	0.118	2.1	**612-8146**
2.4-3.2”	.001”	0.236	0.118	2.1	**612-8151**
3.2-4.0”	.001”	0.236	0.118	2.1	**612-8156**

Metric Inside

Range	A	B	L	Order No.
15-35mm	3	3	50	**612-8005**
35-55mm	6	3	80	**612-8010**
55-75mm	8	3	100	**612-8015**
75-95mm	8	3	100	**612-8020**
95-115mm	10	3.2	150	**612-8025**
115-135mm	10	3.2	150	**612-8030**

Metric Outside

Range	A	B	L	Order No.
0-20mm	6	3	60	**612-8035**
20-40mm	6	3	60	**612-8040**
40-60mm	6	3	55	**612-8045**
60-80mm	6	3	55	**612-8050**
80-100mm	6	3	55	**612-8055**

Internal Dial Caliper Gages





Interchangeable Anvil

Range	Graduation	A	B	L	Order No.
35-55-75mm	0.01mm	10mm	3mm	80mm	**612-8302**
75-95-115mm	0.01mm	10mm	3mm	100mm	**612-8304**
115-135-155mm	0.01mm	10mm	3mm	150mm	**612-8306**

External Dial Caliper Gages





Interchangeable Anvil

Range	Graduation	A	B	L	Order No.
0-20-40mm	0.01mm	10mm	3mm	70mm	**612-8312**
40-60-80mm	0.01mm	10mm	3mm	70mm	**612-8314**
80-100-120mm	0.01mm	10mm	3mm	98mm	**612-8316**

Internal & External Dial Calipers

- Bezel rotates for zero setting.
- Button for opening arms.

Inch Size Graduation:0.001”
Metric Size Graduation:0.025mm

Internal Type

Size	Order No.
0.375-1.375”	**612-0005**
0.750-1.750”	**612-0010**
1.125-2.125”	**612-0015**
1.500-2.500”	**612-0020**
1.875-2.875”	**612-0025**
2.250-3.250”	**612-0030**
2.875-3.875”	**612-0035**
3.250-4.250”	**612-0040**
3.625-4.625”	**612-0045**
4.000-5.000”	**612-0050**

Size	Order No.
10-35mm	**612-0305**
20-45mm	**612-0310**
30-55mm	**612-0315**
40-65mm	**612-0320**
50-75mm	**612-0325**
60-85mm	**612-0330**
75-100mm	**612-0335**
85-110mm	**612-0340**
95-120mm	**612-0345**
100-125mm	**612-0350**



Extermal Type

Size	Order No.
0-1”	**612-0105**
0.375-1.375”	**612-0110**
0.750-1.750”	**612-0115**
1.125-2.125”	**612-0120**
1.500-2.500”	**612-0125**
1.875-2.875”	**612-0130**
2.250-3.250”	**612-0135**
2.875-3.875”	**612-0140**
3.250-4.250”	**612-0145**
3.625-4.625”	**612-0150**

Size	Order No.
0-25mm	**612-0205**
10-35mm	**612-0210**
20-45mm	**612-0215**
30-55mm	**612-0220**
40-65mm	**612-0225**
50-75mm	**612-0230**
60-85mm	**612-0235**
75-100mm	**612-0240**
85-110mm	**612-0245**
95-120mm	**612-0250**



Dial Thickness Gages

- Integrative main body machinedfrom aluminum
- Somatological lifting handle
- Upward shockproof







Steel Contact Point and Anvil

Range	Grad.	Throat Length	Throat Depth	Anvil Dia.	Order No.
0-0.5"	0.001"	1.02"	.84"	.394"	**615-6235**
0-0.5"	0.0005"	1.02"	.84"	.394"	**615-6237**
0-10mm	0.01mm	21.3mm	26mm	10mm	**615-6239**

Ceramic Contact Point and Anvil

Range	Grad.	Throat Length	Throat Depth	Anvil Dia.	Order No.
0-0.5"	0.001"	1.02"	.84"	.394"	**615-6236**
0-0.5"	0.0005"	1.02"	.84"	.394"	**615-6238**
0-10mm	0.01mm	21.3mm	26mm	10mm	**615-6240**

Range	Grad.	Type A Order No.	Type B Order No.
0-0.5"	0.001"	**615-6374**	**615-6274**
0-0.5"	0.005"	**615-6372**	**615-6272**
0-1"	0.005"	**615-6373**	**615-6273**
0-10 mm	0.1 mm	**615-6370**	**615-6270**
0-20 mm	0.1 mm	**615-6371**	**615-6271**

Range	Grad.	knob Type Order No.
0.4"	0.01"	**615-6284**
0.4"	0.001"	**615-6282**
0.4"	0.0005"	**615-6283**
0-10 mm	0.02 mm	**615-6280**
0-10 mm	0.01 mm	**615-6281**



Range	Grad.	Throat Length	Throat Depth	Anvil Dia.	Order No.
0-0.05"	0.0001"		1.18"		**615-6225**
0-0.5"	0.001"		1.18"		**615-6215**
0-1.0"	0.001"		1.18"		**615-6214**
0-10mm	0.01mm	21.3mm	26mm	10mm	**615-6216**
0-10mm	0.01mm	20mm	30mm	6.0mm	**615-6210**



Used for lens center

Range	Grad.	Max. Dia.	Distance	Order No.
0-10mm	0.01mm	58mm	25mm	**615-6365**
0-10mm	0.01mm	120mm	55mm	**615-6360**



Pocket

Easy zero point adjustment bezel.

Range	Grad.	Order No.
0-0.5"	0.0005"	**615-5205**
0-0.5"	0.001"	**615-5210**
0-10mm	0.01mm	**615-5215**
0-20mm	0.01mm	**615-5220**



with Base

Range	Grad.	Throat Length	Throat Depth	Order No.
0-10mm	0.01mm	32mm	40mm	**615-6230**



Deep Throat

Range	Grad.	Throat Depth	Order No.
0-0.5	0.001"	4.72"	**615-6391**
0-10mm	0.01mm	120mm	**615-6390**
0-10mm	0.01mm	200mm	**615-6375**



Roller Type

Range: 0-10mm
Graduation: 0.01mm

Order No.615-6380



ElectronicPocket

- Manual power On/Off.
- Zero setting and Metric/Inch conversion.
- Measuring faces are lapped and polished.
- Measuring anvil and spindle are made of stainless steel.

Range: 0-10mm/4"
Graduation: 0.01mm/0.0005
Accuracy: >/-0.03mm/0.001"
battery: 1.5V

Order No.615-6217



NEW

Range: 0-5mm
Grad.: 0.001mm

Order No.615-6217



for Pipe

Range: 0-10mm
Graduation: 0.01mm
Inside Dia.
of Pipe: >4.0mm

Order No.615-6395



Thickness Gages/Z-Axis setters

Digital Thickness Gagess

3 Key



- Zero setting at any position.
- Metric/Inch system interchange at any position.
- With data output interface.
- Data holding function.
- Fast tracing of minimum value or maximum value during measurements.
- Auto power on/off.
- Easy to measure the thickness of paper, cable,metal foil etc.



Range	Grad.	Throat depth	Order No.
10mm/0.4"	.01mm/.0005"	30mm	**615-6356**
10mm/0.4"	.01mm/.0005"	120mm	**615-6357**

3 Key

NEW



Range	Grad.	Throat depth	Order No.
12.7mm/1/2"	.01mm/.0005"	30mm	**615-6358**

3 Key



0.01mm/0.0005" Repeatability

Range	Grad.	Order No.
0-10mm/0.4"	0.01mm/0.0005"	**615-6345**
0-15mm/0.6"	0.01mm/0.0005"	**615-6350**
0-25mm/1"	0.01mm/0.0005"	**615-6355**

7 Key

- Convenient"Snap Action" instruments with LCD readout.
- By pressing down and releasing the thumb lever these gages allow quick and effcient checking of workpiece thickness up to .5"(12.7mm).
- 7 Keys,Includes:TOL,SET,ABS,RANGE, in/mm,DIR,ZERO/ON/OFF.



Range: 0-.5"/0-12.7mm
Display: 7-Digit LCD
with [-] sign .000"/0.01mm with SPC output

Order No. 615-6405

Quick Mini Thickness Gage

Horizontal Type

- Manual power on/off.
- Zero setting at any position.
- Metric/Inch system conversion ant any pasition.
- With data output interface



Range	Graduation	Order No.
0-.5"/12mm	0.0005"/0.01mm	**615-6212**

Digital Snap Gage

- Measuring outside diameters of cylinders and judging quickly.
- Measuring several different diameters within 6mm with once adjustment when use the digi-indicator.
- V block for automatic alignment.
- Convenient handle with heat insulators open on one end to eliminate heat transfer.
- Straight measuring spindle movement to indicator ensure you the best accuracy.



5-30mmx0.001mm

Order No. 102-0900

Z-Axis Setters

- Low spring force to avoid breaking of small size end mills and drills.
- Easy to be calibrated by a parallel or gage block.
- Made of stainless steel.



Plug in Dial Style

Setting Height	Measuring Range	Grad.	Accuracy	Order No.
2"	0-0.1"	0.001"	0.0004"	**805-4008**
50mm	0-2mm	0.01mm	0.008mm	**805-4007**

Build in Dial Style



Setting Height	Measuring Range	Grad.	Accuracy	Order No.
2"	0-0.1"	0.001"	0.0004"	**805-4006**
50mm	0-2mm	0.01mm	0.008mm	**805-4005**

Zero setting for CNC Machine

- Establishing of "0" reference point with built in indicator.
- Positioning accuracy and repeatability 0.0004"/0.01mm.
- 1.45"/37mm Square, 2"/50mm Height.



Height	Grad.		Order No.
2"	0.0005"	without Magnetic Base	**805-4002**
2"	0.0005"	with Magnetic Base	**805-4004**
50mm	0.01mm	without Magnetic Base	**805-4001**
50mm	0.01mm	with Magnetic Base	**805-4003**

Electronic Z-Axial Preset Gauge

Optical Type

- With magnetic base(Dia.13.5mm). Probe face(Dia.56mm)
- The red lamp will light up when touched.
- Combined vertical and horizontal in a unit.
- Weight:0.5kgs



Height	Accuracy	Order No.
2"	0.0002"	**805-4015**
50mm	0.005mm	**805-4010**

Centering Indicators

- All points and feelers included free precision measuring indicator.
- Designed for centering a work piece or fixture.
- Operates at any angle.
- Uses vertically or horizontally.
- Used for internal or external diameter.
- While spindle rotates, the centering indicator always faces the operator.
- Fitted plastic case/wooden case.



Sets

Description	Order No.
Inch Size Set	**607-4904**
Metric Size Set	**607-4905**



Metric Set Specification

	Specifications
Range	0-3mm
Length of Straight Feeler	45,100,154mm
Length of Curved Feeler	45,100,154mm
Length of Centre Point Feeler	52.5mm

Inch Set Accessories Included

Range	Description	Order No.
4.25"	Feeler,for inside diameter	**607-4919**
4.25"	Feeler,for outside diameter	**607-4922**
8"	Feeler,for inside diameter	**607-4920**
8"	Feeler,for outside diameter	**607-4923**
12"	Feeler,for inside diameter	**607-4921**
12"	Feeler,for outside diameter	**607-4924**
	Assembly Center Point Feeler	**607-4925**
	Restraining Arm	**607-4926**
	Hex Wrench	**607-4928**
	Clamping Shank	**607-4911**
	Main Body	**607-4912**
	Dial Component	**607-4913**
	Pin	**607-4914**
	Cam	**607-4915**
	Cam Screw & Nut	**607-4916**
	Feeler Holder	**607-4917**
	thumb screw	**607-4918**
	6 pcs feelers and screw set	**607-4927**



Inch Set Specification

	Specifications
Length	6-7/8"
Shank	3/8" dia. X 7/8" long
Weight	9-1/2" oz net 1 lbs. 14 oz
Feeler ball	1/8" diameter
Measuring range	.250" axis offset
Capacity	Internal: 5/32 to 4-1/4" diameter External: 0 to 4-1/4" diameter
Speed	It is recommended that operation speed not exceed 800 RPM approximately
Locating accuracy	To within 0.0002" or true center
Graduation	0.0005"

Edge & Center Finders

- Helps ensure accuracy by releasing an audibe click when the tip jumps.
- Availsbe in three sizes: 1/2",3/8" and 10mm.
- Hardened and ground on all working surface.

Angle Finders



Shank Dia.	Tip Dia.	Order No.
3/8"	.20"	**805-3112**
1/2"	.20"	**805-3116**
3/8"	10mm	**805-3127**
1/2"	.500"	**805-3165**
10mm	10mm	**805-3163**

Center Finders



Shank Dia.	Order No.
3/8"	**805-3131**
1/2"	**805-3133**

Double end



Shank Dia.	Tip Dia.	Order No.
1/2"	.20"/.50"	**805-3118**
1/2"	5mm/10mm	**805-3119**

Combo Edge/Center Finders



Shank Dia.	Order No.
3/8"	**805-3141**
1/2"	**805-3143**

4Pcs Set

- Two single end and two double edge finders
- Include:(**805-3112,805-3165,805-3118,805-3143**)130,132,133,134#

Order No. 805-3400

Electronic Edge Finders

- Repeatability within .0002"/0.005m.
- Made of stainless steel.
- Feature LED light.
- Two 1.5V cell batteries included.
- With 10mm diameter probe.



Short Shank

Repeatability	Shank Dia	Overall Length	order No.
.0002"/0.005mm	3/4"/20mm	3-7/8"/97mm	**805-3011**
.0002"/0.005mm	1-1/4"/32mm	3-7/8"/97mm	**805-3012**

Long Shank

Repeatability	Shank Dia	Overall Length	Order No.
.0002"/0.005mm	3/4"/20mm	6-7/10"/170mm	**805-3015**
.0002"/0.005mm	1-1/4"/32mm	6-7/10"/170mm	**805-3016**

Beep Alert



Repeatability	Shank Dia	Overall Length	Orderl No.
.0002"/0.005mm	3/4"/20mm	7-1/2"/190mm	**805-3017**
.0002"/0.005mm	1-1/4"/32mm	7-1/2"/190mm	**805-3018**

3D Alignment Indicators

Efficiently finds edge, center or depth with jig bore, miling machines, lathes, CNC and EDM

- Convenient, rapid, accurate measurement on three axis-X,Y and Z.
- Physical characters of ruby sensing tip features: resistance against wear and neglecatable thermal expansion.
- Clamping shank diameter: 3/4"/20mm.
- Accuracy: .0004"/0.01mm.
- The stylus mechanism has a full 360°.

Radial Range	Radial Grad.	Axial Range	Axial Grad.	Sensing Tip Types	Order No.
0.4"	0.0005"	0.25"	0.00016"	Ruby	**605-3000**
0.4"	0.0005"	0.25"	0.00016"	Steel	**605-3001**
10mm	0.01mm	6mm	0.0032	Ruby	**605-3005**
10mm	0.01mm	6mm	0.0032	Steel	**605-3006**



Granite Comparator Stands

- Micro screw fingertip control.
- 0.0005” flatness.
- Extreme stability.
- 6 x 6 x 2” base.
- 10” height.
- Accepts all A.G.D. indicators



Descriptions	Order No.
6x6x2” granite base only	**625-8504**
frame only	**625-8508**
6x6x2” base and frame	**625-8510**
6x6x2” base, frame & 1” indicator	**625-8511**

Steel Dial Comparator Stand

Indicator not Included



- 5-1/2X4-1/4” working surface.

Order No. 625-8520

Dial Gage Comparator Stand

- Fine adjustment 180° slide travel with lock.
- Quick position adjustment.
- Used for holding 3/8”/8mm stem indicators and lug back.
- Cast iron base size: 3-7/8”x6”, height:8”.
- The Indicator travel distance (from anvil to toper position):6-3/4”
- Base and anvil height: 2-1/8”,anvil dia.:1”.



Order No. 625-8530

Pot Magnets

- For use as magnetic fasteners.
- Comes with plated keeper.



Diameter	Height	Hole	Order No.
21/32”	5/8”	5/16”-18	**625-0382**
7/8”	3/4”	5/16”-18	**625-0384**
1-1/16”	1”	5/16”-18	**625-0386**
1-3/8”	1-3/16”	5/16”-18	**625-0388**

Center Finder Set

For accurately locating working points on drill presses, milling and other machines



Description	Individual Order No.	Set Order No.
.236" Indicator Holder	**805-3311**	
.250" Ball Contact	**805-3312**	
Chuck Body	**805-3313**	**805-3305**
.100" Disc Contact	**805-3314**	
Needle Point	**805-3315**	

"UNI-MAG"
Direct Mount Magnetic Base

- Permanent magnet.
- Fits all A.G.D. indicators



Size	Order No.
ϕ2-1/4 x 9/16”	**625-0451**
ϕ1-3/4 x 5/16”	**625-0452**

Surface Gages

- Base and scriber are hardened.
- Bottom grooved for cylindrical work.
- Front recessed for depressing spindle below base level.
- Features fine adjustment.
- Base has 2 retractable gage pins to set against edge of a surface plate.
- Test indicator order No. 605-4710.



Surface gages

Description	Order No.
4 & 7" Spindles	**625-8550**
9 & 12" Spindles	**625-8560**
12 & 18" Spindles	**625-8570**

Surface gage and Test Indicator Sets

Description	Order No.
4&7" Spindles & Test indicator 0.03x.0005"	**625-8555**
9&12" Spindles & Test indicator 0.03x.0005"	**625-8565**
12&18" Spindles & Test indicator 0.03x.0005"	**625-8575**

Universal Measuring Stands

Main Column Length: 150mm
Branch Column Length: 225mm
Base Size: 225x58x35mm
Weight: 3.2kg



Description	Order No.
with Fine Adjustment	**625-0012**
Without Fine Adjustment	**625-0010**

Magnetic Stands

- Accepts all A.G.D dial indicators with lug backs.
- Accepts dial test indicator stems .375"/9.52mm dia. and .156"/3.96mm dia.
- On and off lever releases magnet, base doesn't have to be pulled off, no risk of marring polished surfaces.
- Quick adjustment clamp.
- Universal adjustment in horizontal and vertical planes.



Standard Fine Adjustment

Base Only with Switch On/Off

Magnetic Power	Dimensions	Order No.
40kgs	63x50x55mm M8	**625-0940**
60kgs	63x50x55mm M8	**625-0960**
70kgs	70x45x65mm M10	**625-0961**
80kgs	70x50x55mm M8	**625-0980**
80kgs	70x50x55mm M10	**625-0981**
100kgs	88x50x55mm M10	**625-0982**

Magnetic Power	Working Stem	Base Size	Standard Order No.	With Fine Adjustment Order No.
40kgs	176mm/12mm	**63x50x55mm**	**625-0300**	**625-0340**
60kgs	176mm/12mm	**63x50x55mm**	**625-0301**	**625-0341**
80kgs	176mm/12mm	**70x50x55mm**	**625-0302**	**625-0342**
60kgs	225mm/16mm	**63x50x55mm**	**625-3301**	**625-3341**
80kgs	225mm/16mm	**70x50x55mm**	**625-3302**	**625-3342**
100kgs	360mm/20mm	**88x50x55mm**		**625-0360**

Magnetic Stands



- Features finedjustment
- Extra stem, one main stem, tow branch stems
- with ON/OFF magnetic base

NEW

Magnetic Power	Base Dimension	Tapped Hole	Main Stem	Branch Stem	Order No.
60kgs/130lbs	60x50x55mm	M10x1.25	20x400	16x360, 12x150	**625-0350**

Vacuum Base Holder

With Suction Base

- Standard holder mounted on a poweful Vacuum Base
- Most useful on granite plates or other non-magnetic smooth surface
- features an 80mm diameter poweful suction pad
- ON/OFF lever for easy attaching of removing
- 3-1/2" Dia, M8x1.25 Mounting



Order No. 625-0041



Order No. 625-0042



Order No. 625-0040

Mechanical Universal Magnetic Stands



Aluminum Alloy Arm

- Multi-nimble joint for instant fixation in any position.
- Fine adjustment knob.
- On/Off switch on base
- Working stem at 280mm

Magnetic Power	Base Dimension	Order No.
60kgs	63x50x55mm	**625-1162**
80kgs	70x50x55mm	**625-1182**

Hydraulic Universal Magnetic Stands



Aluminum Alloy Arm

Magnetic Power	Working Stem	Base Dimension	Order No.
60kgs	330mm	63x50x55mm	**625-1361**
60kgs	380mm	63x50x55mm	**625-1362**
80kgs	330mm	70x50x55mm	**625-1381**
80kgs	380mm	70x50x55mm	**625-1382**

Steel Arm

- Unique hydraulic clamping system.
- Can hold all style dial indicators and dial test indicators.
- On-off switch base.



Magnetic Power	Working Stem	Base Dimension	Order No.
60kgs	380mm	63x50x55mm	**625-1360**
80kgs	380mm	70x50x55mm	**625-1380**

Universal Magnetic Base Holders

- Multi-nimble joint for instant fixation in any position.
- Fits dovetail & 3/8" or 8 mm stem indicator.
- Fine adjustment knob.
- On-off switch on base.



Magnetic Power	Base Size	Steel Arm Order No.	Alloy Arm Order No.
40kgs	2x2x2-1/8"	**625-1140**	**625-1141**
60kgs	2-1/4x2x2-1/8"	**625-1160**	**625-1161**
80kgs	2-3/4x2x2-1/8"	**625-1180**	**625-1181**

Mini Magnetic Bases

- Articulated arm style magnetic base positions and lock easily.
- Size of Magnetic Base: 30x30x30mm(1-1/5x1-1/5x1-1/5").
- One knob mechanically tightens both arms.
- Overall Stem Length:12".



Switch On/Off

Order No. 625-2627



Push Button On/Off

Order No. 625-2617

Magnetic Base Indicator Holders

Full magnetic base. Non-magnetic stainless steel holding rod, set in hardened universal ball socket. Fine precision adjustment controlled by thumb screw allowing minute adjustments. Hammered blue base finfsh...other parts are chrome plated or stainless steel. Magnetic release.



without Arm | with Centre Arm | with Side Arm

Descriptions	High Rod	Order No.
3-1/2x1-1/8x1" without Arm		625-0470
3-1/2x1-1/8x1" with Centre Arm		625-0472
3-1/2x1-1/8x1" with Side Arm	6"x1/4"	625-0480

Magnetic Base Indicator Holder

Accommodates almost any type test and dial indicator. Large 1/4" lug back type indicators mount in special links for more flexible in position. Precision lateral adjustment enables better zero settings. Magnetic pull-over 50lbs.



Base	Order No.
3-1/2x1-1/8x1-1/2" with Side Arm	625-0473

Adjustable Magnetic Connector

Two permanent magnets for joining of parts in drilling ,scraping, welding , etc. Adjustable to any angle & secured by wing nuts.



2 bars 2x1x1"
Order No. 625-0115

Magnetic Base Indicator Holder & Sets

- Powerful magnetic pull.
- Six mounting locations for indicators and accessories.
- Three 1/4"-20 tapped holes.
- One 10-32 tapped hole.
- One 3/8" mounting hole.
- One V-shaped Mounting Hole.
- 4"x1"x1".



Versatile , Powerful, Compact & Rugged

Descriptions	Order No.
Tiny-Titan Base	625-0450
Base &1" dial indicator (605-4070)	625-0455
Base & 2" dial indicator (605-4205)	625-0460

Mini Magnetic Stands



Standard Model

- Height of base: 1"
- Diameter of base: 1"

Description	Order No.
with Fine Adjustment	625-0562
Without Fine Adjustment	625-0560

With Rod



- Height of base: 1"
- Diameter of base: 1"
- Height of rod:3-1/2"
- Diameter of rod:1/4"

Description	Order No.
with Fine Adjustment	625-0572
Without Fine Adjustment	625-0570

Universal Magnetic Indicator Holders

- Excellent workmanship on many applications.
- Fine adjustment clamp.
- Dovetail clamp for test indicator.
- 1/4" holes for 1/4" stem indicator.
- All knurled knobs and lock screws.



Circular Pot Base
625-0515



Circular Pot Base
625-0520



Square Base
625-0510

Push Button Magnetic Bases

- Provided with ON/OFF push button.
- Especially designed for use with dial gages, to work on surface plate and machine table.
- Complete with powerful magnet.

Order No. 625-0900



- Provided with ON/OFF push button.
- Especially designed for use with dial gages, to work on surface plate and machine table.
- Complete with powerful magnet.



Fine Adjustment

Description	Order No.
with Fine Adjustment	625-0910
Without Fine Adjustment	625-0905

DIN Magnetic Stands



- 70 kg pull, switch On/Off base 70x45x65mm. M10
- Working stem Φ16x230mm/Φ12x200mm. M10
- With fine adjustment.

Description	Order No.
Base & Holder Set	**625-0343**
Dial Gage Holder Only	**625-0201**
Base Only	**625-0961**

Flexible Indicator Holders

Round Base

- Ideal for very tight work areas.
- Mounted pot magnetic base-1-3/8" diameter x 1-1/8" high



25 lbs. pull with 5" post and fine adjustment.

Order No. 625-0575

13/64x3-1/8"stem,15kg pull, 9-3/4" height

Order No. 625-0925

Square Base

- Ideal for very tight work areas
- Mounted pot magnetic base-square, 25 lbs. pull with 5" post and fine adjustment.



Indicator not included

Order No. 625-1025

Fine Quality Magnetic Base Holder

A permanment alnico mangnetic base that easily attaches to any steel or iron surface in any desirable or convenient position,eliminating the use of clamps. The adjustable post assembly swivels into a 40° desired position and has a fine adjusting screw for final setting. Although intended primarily for test indicators, it is just as handy for inspection magnifiers, mirrors, safety shields, oil sprays, air lines, etc. Base diameter 1-1/4", with approximate 5-1/4" fine pivot adjustment post.



Description	Order No.
magnetic Base	**625-0400**

Plastic Casing Magnetic Stand



Magnetic Power: 60lbs/30kgs
Overall Height: 6"
Branch Column Length: 4-1/2"
Base Size: 1-1/2x1-1/2x1-3/4"
Weight: 2.1lbs

Order No. 625-0015

Universal Indicator Holder

- Clamping dia. 1-7/8".
- Length from clamping bracket to indicator 4-1/2".
- Suitable for all popular indicators with 5/32" shank or dovetail.
- Mounts with single pressure screw directly on machine quill, by passing the working tool.
- Guaranteed accurate readings.
- For milling machines & jig bores.
- A quicker way of indicating.
- Does not disturb the working tool.



Order No. 625-8522

Flexible Arm Magnetic Base Holder

This product is made under the advanced technology .It is an ideal tool used for trusting random angle and internal hole.

Magnetic Power: 60kgs
Stem Length: 360mm
Stem Diameter: 16mm
Base Size: 60x50x55mm

OrderNo.625-0950



Economy Magnetic Bases

- Single Universal Rod, has 3 diameters to permit mounting popular indicators without changing rods.
- Non magnetic ball seat is riveted directly to the pole piece for permanent anchorage and lifetime rigidity.
- Non-breakable plastic base.
- Strong Magnetic Pull.
- Full 360° swivel.



Style A Style B

Description	Order No.
Style A	**625-0920**
Style B	**625-0922**

with fine adjustment

Description	Order No.
Style A	**625-0921**
Style B	**625-0924**

Flexible Stem Magnetic Base Holders

- Stem flexes almost 360 degree.
- Locks into exact position with a cam lever-operated cable and tension adjustment.
- Accept all AGD type indicator



Magnetic Power	Base Size	Order No.
40kgs	2-19/64x2x2-1/8"	**625-1040**
60kgs	2-1/2x2x2-1/8"	**625-1060**
80kgs	2-3/4x2x2-1/8"	**625-1080**

SL Series Magnetic Stand with fine guide screw adjustment



- Feature fine guide screw adjustment
- With different magnetic base
- Accept dial test indicator
- Stems: ϕ8.0 or ϕ3/8”
- Main sten: ϕ12x190mm
- Height gage bar
- Branch stem: ϕ10x190mm

Order No. 625-0017

Measuring Tool kit



Set Includes:

- Indicator: 0-1”
- Flexible stem holder almost 360 degrees, Length: 350mm
- 7” Locking plier for holding and clamping objects regardless of shape or size.
- Fixing block
- Finished in fitted plastic case

Flexible stem holder with Locking plier

Order No. 625-1090



Flexible stem holder with Locking plier & indicator

Order No.135-0090

Magnetic Snap-Lock Flexible Lamps



- Power magnetic base, magnetic force: 40kg
- Flexible arm is plastic
- Illuminant source selects incandescent lamp, 60W screw socket bulb.
- Arm length: 280mm, base size: ϕ40x25

Power Supply	Order No.
220V/50HZ	**625-1241**
110V/60HZ	**625-1242**



- Powerful magnet base with On/Off switch.
- Guaranteed magnetic power.
- Flexible arm for any position adjustment.
- Power supply:115V/60Hz.
- Bulb not included.
- Body size: 2 x 2 x 2 -1/2”.

Magnetic Power	Order No.
40kgs	**625-1240**
60kgs	**625-1260**
80kgs	**625-1280**

Magnetic Base Quick Lock Coolant Hose Systems

- Powerful magnet base with On/Off switch.
- Featured 1,2 or 3 1/4” dia. flexible coolant hoses.



Magnetic Power	Hose No. & Length	Base Size	Order No.
50kgs	1 x 14”	2-1/2 x 2 x 2-7/8”	**625-0402**
80kgs	1 x 14”	2-3/4 x 2 x 2-7/8”	**625-0404**
50kgs	2 x 14”	2-1/2 x 2 x 2-7/8”	**625-0406**
80kgs	2 x 14”	2-3/4 x 2 x 2-7/8”	**625-0408**
50kgs	3 x 15”	2-1/2 x 2 x 2-7/8”	**625-0410**
80kgs	3 x 15”	2-3/4 x 2 x 2-7/8”	**625-0412**

Magnetic Base-Goose Neck Magnifier



- Powerful magnetic base with ON/OFF Switch
- Flexible arm for any position adjust
- Flexible arm length: 300mm
- Power 2X

Order No. 625-1290

Magnetizer & Demagnetizer

- Used for Screw Driver/Small Parts



Size	Order No.
2x2x1"	**625-0000**

Economy Sine Bars

- Hardened and ground.
- Center to center distance between center of rolls within .0003".
- Top parallel to bottom of rolls within .0002".
- Supplied with back plate.



Distance between Center of Rolls	Width	Order No.
2-1/2"	1"	647-9510
5"	1"	647-9512

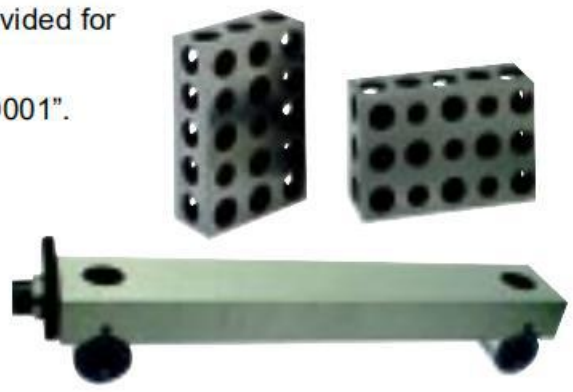
3 Piece Inspection Set

1-2-3 Blocks

- Precision Ground/Case Hardened
- Five 3/8-16 Tapped holes are provided for clamping operations.
- Squareness of all side is within .0001".
- Parallel accuracy .0003".

2-1/2" or 5" Precision Sine Bar

- Accurate to .004" on parallelism.
- Hardened and ground.
- Wide: 1"



Specification	No.of piece	Individual Order No.	Set Order No.
2-1/2" Sine bar 1-2-3 Blocks	3Pcs/set	647-9510 630-4006	630-4060
5" Sine bar 1-2-3 Blocks	3Pcs/set	647-9512 630-4006	630-4062

1-2-3,2-3-4 or 2-4-6 Blocks

- Precision ground and hardened on all sides.
- Ideal for mounting work for precision grounding and lay out.
- Feature 23 holes:5 are tapped 3/8-16,the other 18 are untapped.
- Dimension accuracy: 0.0001"~0.0007"
- Hardness HRC 56-60.
- Supplied in matched pair.



Specification	Parallelism	Desc.	Order No.
1-2-3"	±.0001"	1 hole	630-4005
1-2-3"	±.0001"	23 holes	630-4006
1-2-3"	±.0001"	No hole	630-4007
1-2-3"	±.0002"	No hole	630-4008
1-2-3"	±.0002"	1 hole	630-4009
1-2-3"	±.0002"	23 holes	630-4010
1-2-3"	±.0001"	11 holes	630-4011

Specification	Parallelism	Desc.	Order No.
25-50-75mm	±.0050mm	23 holes	630-4012
25-50-100mm	±.0050mm	23 holes	630-4013
50-100-150mm	±.010mm		630-4014

Specification	Parallelism	Desc.	Order No.
2-3-4"	±.0002"	23 holes	630-4016
2-4-6"	±.0005"	23 holes	630-4020

Sine Bars



Order No.637-7556

Wide	Long	Center	Parallelism	Order No.
1"	2-1/2"		0.00004"	637-7551
1	5	5"	0.00004	637-7552
1	6	5	0.0001	637-7553
2	6	5	0.00004	537-7554
1-7/8	12	10	0.0001	637-7555
Thin	3	3	0.0001	637-7556
1-1/4	12	10	0.0004	637-7557
15/16	5	5	0.0004	637-7558



Order No.647-9109

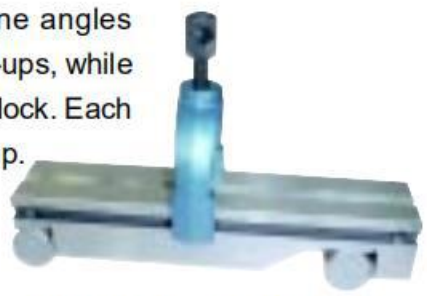
Wide	Long	H	Center accurate	Parallelism	Order No.
15/16"	5"	1-1/4"	0.0002"		647-9056
1-1/4	10	1-1/4	0.0002	0.0004"	647-9108
1	10	2	0.0002		647-9109
2	5	1-1/4	0.0002		647-9157
2	5	1-1/4	0.0002		647-9158

	Order No.
100x40mm	647-9205
200x40mm	647-9210
200x40mm	647-9215

Vee Sine Bar

5" Vee Sine Bar is an easy way to determine angles accurately for grinder and milling machine set-ups, while incorporating the ease of working with a Vee block. Each Vee sine Bar is furnished complete with clamp.

- Parallelism .0004".
- Center to center distance betwen rolls within .0002".



Order No. 647-9520

V-Sine Bar with Clamp

- 5" Sine Bar
- Accurate to .0003"
- 1-1/4" wide
- Hardened and ground
- Include clamp
- 1" round capacity
- Parallelism.0004"



Order No. 647-9612

1-2-3 Block Set

- Squareness: 0.0001" .
- Parallelism: 0.0001".
- Height accuracy in Pair:+/-0.0001".
- Hardness HRC 56-60.
- 5 piece 3/8"-16 socket head cap screws.
- 1 piece hex key.
- Supplied in plastic case.

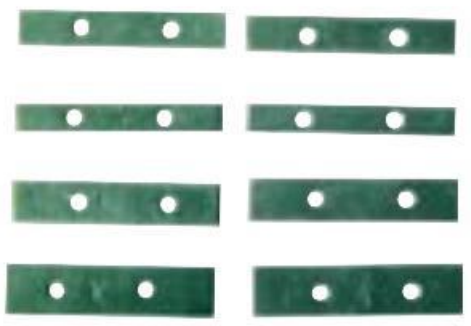


Order No. 630-4000

Angle Blocks

Economy Thin Parallel Set

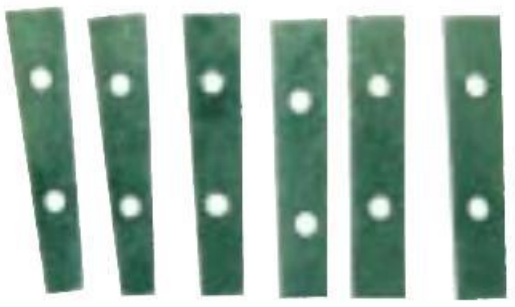
Useful for fast setting of work pieces to needed height in vise jaws. Made of hardened and precision ground steel.



Pairs	Specification	Length	Hole	Order No.
4Pairs/set	1/2", 5/8", 3/4", 7/8"	3-1/2"	1/4"	**630-4257**
5Pairs/set	1/2", 5/8", 3/4", 7/8", 1"	3-1/2"	1/4"	**630-4255**

Thin Angle Block Sets

A economical and direct method for angle set-ups. Hardened and precision ground on working surfaces. Two 1/4 holes for mounting. 3-1/2" long, 5/32" thick.



Piece	Specification	Order No.
6Pcs/set	1/2°, 1- 5° by 1°	**630-4258**
5Pcs/set	6 -10° by 1°	**630-4259**
11Pcs/set	1/2 -10° by 1°	**630-4251**

Precision Angle Blocks & Sets

- Accuracy 0.0001" per inch.
- Furnished in 1° increments to 5° and 5° increments to 30°.
- Hardened and precision ground.
- Light magnetized for better holding.
- Size 3" long x 1/4" thick.



Size	Order No.	Size	Order No.	Size	Order No.
1/4°	**630-0025**	4°	**630-4304**	25°	**630-4325**
1/2°	**630-0050**	5°	**630-4305**	30°	**630-4330**
1°	**630-4301**	10°	**630-4310**	35°	**630-4335**
2°	**630-4302**	15°	**630-4315**	40°	**630-4340**
3°	**630-4303**	20°	**630-4320**	45°	**630-4345**
10Pcs/set, from 1° to 30°					**630-4260**
12Pcs/set, from 1/4°,1/2°,1° to 30°					**630-4261**

7Pcs Precision Angle Blocks Set

- Degree accuracy: </=20"
- Side: 70 long x 5mm thick.
- Rectanglar size: 70x50mm

NEW



7Pcs/set, 15°,30°,45°, 50°, 60°, 75°, 90°

Order No. 647-4267

17 Pcs Angle Block Set

- Provides quick set-up for angles from 1/4° to 45°.
- Eliminates time dressing angles.
- Made from hardened steel.
- Supplied in a fitted case.
- Accuracy:0.0003"



Piece	Specification	Order No.
17Pcs/set	Set Includes: 1/4°, 1/2°, 1°, 2°, 3°, 4°,5°, 10°, 15°, 20°, 25°, 30°, 35°, 40°, 45° & 2 riser blocks.	**630-4275**

8 Pcs Universal Angle Block Sets

- An accurate and direct method for angle set up in production and inspections.
- Tolerance +/-10 Sec. hardness HRC 45° to 50°.

Set includes:

3Pc. V-blocks: 10°, 15°, 30°.

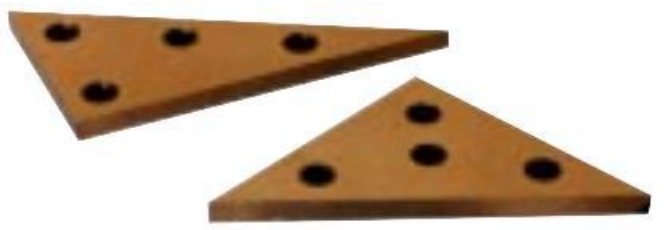
5Pc. Angle blocks: 1°, 2°, 3°,4°,5°.



Piece	Specification	Order No.
8 Pcs/set	V- blocks : 4"L x 1-1/2" W x 1-1/2"H Angle blocks : 4"L x 1-1/2" W x 3/16"H	**630-4270**
8 Pcs/set	V-blocks: 3" L x 1-3/16" W x 1-3/16" H Angle blocks: 2-3/4" L x 1-3/16" W x 5/64" H	**630-4265**

Solid Angle Plates

- Hardened Steel
- Precision Ground Angles
- Each Block is 1/4" Thick



Specification	Angle	Order No.
3 x 3x 5/16"	45°/45°v/90°	**418-4800**
2 x 3-3/8 x 5/16"	30°v/60°/90°	**418-4810**
2Pcs/set,each one of above size		**418-4820**

Micrometric Tangent Bar

- Hardened steel and precision ground.
- Dial your desired angle with your fingers directly in degrees and minutes. No need to look up sine or tangent functions.
- Interlocking slots prevent slipping even at angles close to 90°.
- Featured with 30 minute dial at the end of MT-Bar, total length: 3.7".



Range of 0-5° Adjustment

Order No. 630-4299

Angle Gage Blocks

Featuring No-Slip Slots

- Used with micrometric tangent bar above or separately.
- Enable fast, accurate set-ups.
- Size .35"x 3" wide, hardened & precision ground.



Angle	Order No.
5°	**630-4290**
10°	**630-4291**
20/70°	**630-4292**
30/60°	**630-4293**
45°	**630-4294**

Micrometric Tangent Bar & Angle Gage Block Set

Set Includes:
One Micrometric Tangent Bar (630-4299)
Angle Gage Blocks with no-slip slot,
one each of 5°, 10°, 20°/70°, 30°/60°, 45°



Order No. 630-4262

Precision Sine Angle Blocks

- 0-60° adjustable.
- 90°V Angle.
- Block Size:4"x1-3/16"Wx2-1/4"H.
- Diameter of Roll: 5/8"
- Total Height of block (including rolls):2-1/4"



Order No. 418-4941

Precision 0-60° Angle Blocks

- 0-60° adjustable angle by locking the hex screw on the bottom.
- Squareness: 0.0004"/0.01mm.
- Angle of Vee 90°.



Dimension	Order No.
1-3/16 x 1-7/8 x 4"(30 x 48 x 102mm)	**418-4940**
1-13/16 x 1-7/8 x 4"(46 x 48 x 102mm)	**418-4950**
7/8 x 1-1/4 x 3"(25 x 32 x 75mm)	**418-4960**

9 Pair Wavy Parallel Sets

- Economical, simple and easy to use in precision clamping of parts in drilling, boring, milling, grinding, assembly work, etc.
- Ideal for clamping a group of flat work pieces.
- Guaranteed to size in height and parallelism +/-0.0002"
- Made of high-quality spring steel, hardened, stress-relieved and precision-ground.
- Thin and fragile work pieces can be secured without damage .



Individual Pairs

Size	Order No.	Size	Order No.
1/2"	**637-7401**	1-1/8"	**637-7406**
5/8"	**637-7402**	1-1/4"	**637-7407**
3/4"	**637-7403**	1-3/8"	**637-7408**
7/8"	**637-7404**	1-1/2"	**637-7409**
1"	**637-7405**		

Sets

Range	Description	Wooden Case Order No.
1/2"-1-1/2"	Set of 9 Pairs	**637-7400**
9-23mm	Set of 8 by 2mm	**637-7451**
25-39mm	Set of 8 by 2mm	**637-7461**



Inspection Parallels

- Made of high grade tool steel, stabilized and thoroughly hardened to HRC 58.
- Surface finish to 16 microinches.
- Parallels finished and sold in pairs.

Dimensions	Order No.	Dimensions	Order No.	Dimensions	Order No.
1/4 x 1/2 x 6”	**637-7590**	3/4 x 1-1/2 x 9”	**637-7624**	5/8 x 7/8 x 6”	**637-7612**
1/4 x 5/8 x 6”	**637-7595**	3/4 x 1 x 12”	**637-7625**	1/2 x 3/4/9”	**637-7615**
1/4 x 3/4 x 6”	**637-7600**	3/4 x 1-1/4 x 12”	**637-7630**	1/2 x 1 x 9”	**637-7620**
3/8 x 1/2 x 6”	**637-7602**	1 x 1-1/4 x 12”	**637-7631**	1 x 2 x 12”	**637-7633**
3/8 x 3/4 x 6”	**637-7605**	1 x 1-1/2 x 12”	**637-7632**	1-1/4 x 1-1/2 x 12”	**637-7634**
1/2 x 5/8 x 6”	**637-7607**	1/2 x 3/4 x 6”	**637-7609**	1-1/4 x 2 x 12”	**637-7635**
3/4 x 1 x 9”	**637-7622**	1/2 x 1 x 6”	**637-7610**	1-1/2 x 2 x 12”	**637-7636**

Metric Precision Parallel Sets



7 Pair Set

- Parallel: ±0.005mm
- Hardened and ground HRC 40-45
- Set includes one each of (Thickness x Height):
  8.5 x (10,15,20, 24, 30)mm
  12.6 x (38, 44)mm

Length: 150mm, **Order No. 637-7777**

8 Pair Sets

- Parallel: ±0.005mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):
  8x(12, 17, 22, 25, 28, 32, 36, 38)mm

Length: 120mm, **Order No. 637-7972**
Length: 160mm, **Order No. 637-7974**

8 Pair Set

- Parallel: ±0.005mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):

8x(17, 22, 25, 28, 32, 36, 38, 43mm)
Length: 200mm**, Order No. 637-7976**

9 Pair Sets

- Parallel: ±0.005mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):
  4x(10, 14, 18, 22, 26, 30, 34, 38, 42)mm

Length: 100mm, **Order No. 637-7968**
Length: 160mm, **Order No. 637-7970**

10 Pair Set

- Parallel: ±0.005mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):

10x(14, 16, 18, 20, 22, 24, 26, 28, 30, 32)mm
Length: 150mm, **Order No. 637-7959**

12 Pair Set

- Parallel: ±0.005mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):
  10x(14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40)mm

Length: 120mm, **Order No. 637-7962**

14 Pair Set

- Parallel: ±0.005mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):
  10x(14, 16, 18, 20, 22, 24, 26, 28, 30, 32)mm
  10x(35, 40, 45, 50)mm

Length: 150mm, **Order No. 637-7960**

20 Pair Set

- Accuracy: ± 0.01mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):
  2x(5, 15, 20)mm
  3x(6,11, 16, 21)mm
  4x(7, 12, 17, 22)mm
  5x(8, 13, 18, 23)mm
  6x(9, 14, 19, 14)mm

Length:100mm, **Order No. 637-7964**

24 Pair Set

- Accuracy: ±0.01mm.
- Hardened and ground HRC 60-61
- Set includes one each of(Thickness x Height):
  8x(11,16,21,26,31,36)mm step by 5mm
  10x(13, 18, 23, 28, 33, 38)mm step by 5mm
  12x(15, 20, 25, 30, 35, 40)mm step by 5mm
  14x(17, 22, 27, 32, 37, 42)mm step by 5mm

Length:150mm, **Order No. 637-7966**

Bench Block



- Very handy for holding work when driving pins, drilling, etc.
- V-groove across the face accommodates round and odd shaped stock.
- Hardened and ground.
- Smooth finish on the face preserves the work being held.
- Block is approximately 3" dia and 1-1/2" high.
- Holes vary in sizes from 1/8" to 5/8".

Order No.420-5300

Precision Thin Parallels & Sets



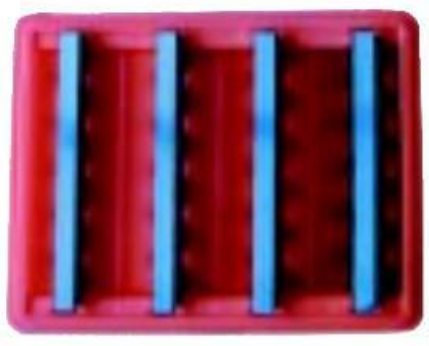
Thin style, .125 Thick, Matched pairs, Made of high grade alloy steel, hardened and ground, 2 hole in each parallel. Parallelism: ±0.0002", ±0.001" to size in height.

1/8" 10 Pairs Sets

Description	Order No.
Plastic case	**637-7030**
Wooden case	**637-7530**

1/8" Individual Pairs

Dimensions	Hole Size	Order No.
1/8 x 1/2 x 6"	13/64"	**637-7510**
1/8 x 5/8 x 6"	1/4"	**637-7511**
1/8 x 3/4 x 6"	5/16"	**637-7512**
1/8 x 7/8 x 6"	5/16"	**637-7513**
1/8 x 1 x 6"	5/16"	**637-7514**
1/8 x 1-1/8 x 6"	3/8"	**637-7515**
1/8 x 1-1/4 x 6"	3/8"	**637-7516**
1/8 x 1-3/8 x 6"	7/16"	**637-7517**
1/8 x 1-1/2 x 6"	1/2"	**637-7518**
1/8 x 1-5/8 x 6"	1/2"	**637-7519**



Precision Parallel Sets

Tolerance: Parallel ±0.0003" on 2 sides, top and bottom.
Dimensions: Within ±0.001" allowance.
Hardness: Hardened to HRC 55 TO 62 on 2 sides top and bottom only
The holes are designed for easier handing and set-ups.
Made from fine quality tool steel stress relieved against distortion, precision, ground and hardened.
These precision parallels are recommended for layout work, standards and set-ups.

3/16" 4 Pairs Sets

Descriptions	Order No.
Wooden case	**637-7532**
Plastic case	**637-7032**

3/16" Individual Pairs

Dimension	Order No.
3/16 x 1 x 6"	**637-7504**
3/16 x 1-1/4 x 6"	**637-7505**
3/16 x 1-1/2 x 6"	**637-7506**
3/16 x 1-3/4 x 6"	**637-7507**

1/2" 4 Pairs Sets

Descriptions	Order No.
Wooden case	**637-7536**
Plastic case	**637-7036**

1/2" Individual Pairs

Dimension	Order No.
1/2 x 1 x 6"	**637-7500**
1/2 x 1-1/4 x 6"	**637-7501**
1/2 x 1-1/2 x 6"	**637-7502**
1/2 x 1-3/4 x 6"	**637-7503**

3/16" & 1/2" 4 Pairs Sets

Descriptions	Order No.
Wooden case	**637-7538**
Plastic case	**637-7038**

3/16" & 1/2" Individual Pairs

Dimension	Order No.
1/2 x 1-1/2 x 6"	**637-7502**
1/2 x 1-3/4 x 6"	**637-7503**
3/16 x 1 x 6"	**637-7504**
3/16 x 1-1/4 x 6"	**637-7505**

6" 4 Pairs Sets

One pair each of 1/2"x3/8", 3/4"x1/4",7/8"x3/16",1x1/8"

Order No. 637-7000

6" 4 Pairs Sets

One pair each of 3/4"x3/8", 1"x1/4", 1-1/8"x3/16",1-3/16"x1/8"

Order No. 637-7001

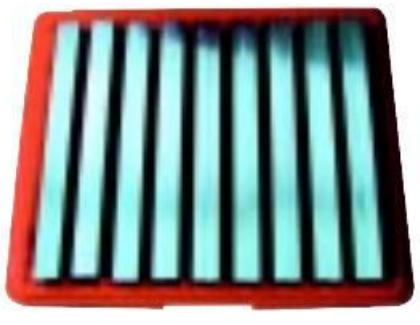


1/2" 8 Pairs Sets

Description	Order No.
Plastic Case	**637-7034**
Wooden Case	**637-7534**

1/2" Individual Pairs

Dimensions	Hole Size	Order No.
1/2 x 7/8 x 6"	5/16"	**637-7800**
1/2 x 1 x 6"	5/16"	**637-7801**
1/2 x 1-1/8 x 6"	3/8"	**637-7802**
1/2 x 1-1/4 x 6"	3/8"	**637-7803**
1/2 x 1-3/8 x 6"	7/16"	**637-7804**
1/2 x 1-1/2 x 6"	7/16"	**637-7805**
1/2 x 1-5/8 x 6"	1/2"	**637-7806**
1/2 x 1-3/4 x 6"	1/2"	**637-7807**



1/4" 9 Pairs Sets

Descriptions	Order No.
Plastic Case	**637-7035**
Wooden Case	**637-7535**

1/4" Individual Pairs

Dimensions	Hole Size	Order No.
1/4 x 3/4 x 6"	5/16"	**637-7900**
1/4 x 7/8 x 6"	5/16"	**637-7901**
1/4 x 1 x 6"	5/16"	**637-7902**
1/4 x 1-1/8 x 6"	3/8"	**637-7903**
1/4 x 1-1/4 x 6"	3/8"	**637-7904**
1/4 x 1-3/8 x 6"	7/16"	**637-7905**
1/4 x 1-1/2 x 6"	7/16"	**637-7906**
1/4 x 1-5/8 x 6"	1/2"	**637-7907**
1/4 x 1-3/4 x 6"	1/2"	**637-7908**

1/32" Ultra Thin Parallel Sets

- Hardened to HRC50.
- Parallelism ±.0001".
- Pair Height accuracy: ±0.0001".

10 Pairs,1/2" through 1-5/8" by 8ths

Description	Wooden case Order No.	Plastic case Order No.
Blue Finished	**637-9036**	**637-9038**
Black Finished	**637-9037**	**637-9039**

20 Pairs,1/2" through 1-11/16" by 16ths

Description	Wooden case Order No.	Plastic case Order No.
Blue Finished	**637-9032**	**637-9034**
Black Finished	**637-9033**	**637-9035**



6 Pc. Adjustable Parallel Sets

- Length range: 3/8" to 2-1/4" closed. Quickly adjustable, and locked with set screws for micrometer measurement.
- For layout inspection, stop work, set-up etc.



Set

Order No. 637-7508

Individuals

Size	Order No.
3/8" to 1/2"	**637-7561**
1/2" to 11/16"	**637-7562**
11/16" to 15/16"	**637-7563**
15/16" to 1-5/16"	**637-7564**
1-5/16" to 1-3/4"	**637-7565**
1-3/4" to 2-1/4"	**637-7566**

V-Blocks

Super Duty Vee Blocks and Clamps



All V-Blocks are parallel, square and centered within 0.0002. Completely hardened and ground tool steel, Wooden case.

60° V-Block

Size LxWxH	Vee Capacity	Individuals Order No.	Pair Order No.
2-1/2 x 2-1/2 x 2"	1-3/8"	**420-5415**	**420-5414**
4x3x3	2-1/2	**420-5417**	**420-5416**

90° V-Block

Size LxWxH	Vee Capacity	Individuals Order No.	Pair Order No.
1-3/8 x 1-3/8 x 1-3/16"	1-9/32"	**420-5421**	**420-5420**
2-3/8 x 2-3/8 x 2	1-3/16	**420-5431**	**420-5430**
4-1/8 x 4-1/8 x 3-1/16	2-9/16	**420-5441**	**420-5440**
2-1/2 x 2-1/2 x 2	1-3/8	**420-5411**	**420-5410**
4x3x3	2-1/2	**420-5412**	**420-5450**
4x6x6	4-3/8	**420-5413**	**420-5460**

Toolmakers' V-Block and Clamp



- All surfaces parallel and square are within .0002".
- Top 90° V-Groove central, parallel and square with all surface within .0003".
- Side90° V-Groove on Base central, parallel and square with all surfaces within .00015".
- Harden steel ground.

Size(LxWxH)	Capacity	Order No.
3-1/2x1-7/8x1-7/8"	1-5/16"	**420-5481**

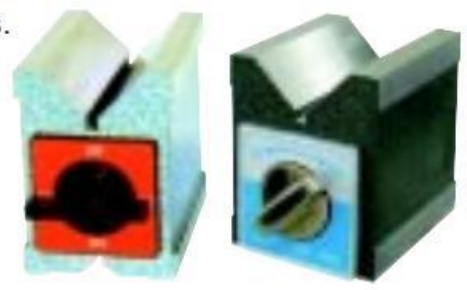
Multi-Use V-Blocks & Clamps



- Stepped groove construction.
- 90° V groove are central, parallel and square with all surface within .0003".
- Harden steel ground.
- Two clamps only order No.: **420-5491**.
- Sold in pair

Size(LxWxH)	Capacity	Order No.
2-3/4x2-3/8x2"	2"	**420-5490**

Magnetic V-Blocks



- Ideal for holding round and irregular shapes.
- Fine precision ground finish.
- Holds up to .750" on small vee.
- Holds up to 2.500" on large vee.

Standard Centered 90° V

Size LxWxH	Capacity	Magnetic Power	Order No.
2-3/4x2-3/8x2-7/8"	1-3/4"	150lbs	**285-2405**
4x2-5/8x3-11/16	2	260lbs	**285-2410**
2-3/4x2-3/8x2-7/8	1-1/2	150lbs	**285-2415**
5x2-3/8x2-7/8	1-1/2	150lbs	**285-2416**
4x3x3-1/16	2	150lbs	**285-2417**
4-7/8x2-3/8x2-7/8	1-3/4	150lbs	**285-2406**

Double Side Centered 90° V

Size LxWxH	Capacity	Order No.
4x2-3/4x3-3/4"	2"	**285-2412**
6x3x3-3/4	2-1/4	**285-2414**

Steel V-Blocks



- Supplied in matched and numbered pairs.
- Vee blocks are manufactured from high quality castings.Properly seasoned against distortion.
- Blocks are accurately ma-chined square and parallel.
- Dimensions:
  A-OAL, B-Vee Width, C-Height, D-Thickness

A	B	C	D	Weight	Order No.
3"	1-3/4"	2-3/8"	1-5/16"	2-1/2 lbs	**420-5700**
2"	1-5/8	1-3/8	7/8		**420-5701**
4	2-1/4	2-5/8	1-5/8	5 lbs	**420-5702**
5	2-1/2	3-1/8	2	8 lbs	**420-5704**
6	3-1/8	3-1/2	2-1/2	13 lbs	**420-5706**
7	3-1/2	4-1/2	3	27 lbs	**420-5708**
8	4	5-1/2	4	44 lbs	**420-5710**
10	5	6-5/8	5	73 lbs	**420-5712**
12	6	8	7	135 lbs	**420-5714**

Magnetic V-Blocks & Parallels



- Precision ground on all surfaces.
- Integrally aluminum cast into one solid piece.
- Hold in any direction on the magnetic chuck.

Combination Sets

Specifications	Order No.
One Pair of Parallels 4x2x1" One Pair of V Blocks 2x2-3/8x1-7/8"	**285-2100**
One Pair of Parallels 4x2x1" One Pair of V Blocks 4-3/8x2-3/8x1-7/8"	**285-2110**

V-Blocks & Parallels

	Size LxWxH	Individual Order No.	Pair Order No.
V-Blocks	2x2-3/8x1-7/8"	**285-2065**	**285-2060**
V-Blocks	4-3/8x2-3/8x1-7/8	**285-2075**	**285-2070**
Parallels	4x 2 x1"	**285-2055**	**285-2050**

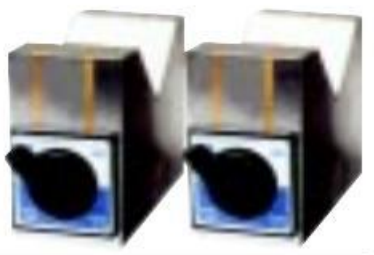
V-Blocks & Clamps



- Designed for layout work or firmly holding circular workpiece during drilling, milling, and grinding.
- Made of hardened tool steel machined and ground to close tolerance.
- Sold in pair which includes 2 V-Blocks and 2 clamps.

Capacity	Dimensions	Sets Order No.	Clamps Only Order No.
1"	1-1/4"Hx1-1/4"Wx1-5/8"L	**420-3010**	**420-3011**
1	1-3/8"Hx1-5/8"Wx1-3/4"L	**420-3019**	**420-3018**
1-1/2	1-5/8"Hx1-3/4"Wx2-3/4"L	**420-3027**	**420-3026**
1-1/2	1-3/4"Hx2-1/2"Wx2-3/4"L	**420-3035**	**420-3034**
2-1/8	2-3/4"Hx3-1/2"Wx4-7/8"L	**420-3043**	**420-3042**

Magnetic V-Blocks



- Holds cylindrical workpieces for grinding.
- Precision ground flat, square and parallel to 0.001"/0.02mm.
- Sold in pairs.

Size HxWxL	Capacity	Magnetic Power	Order No.
50x40x70mm	2"/50mm	15kg/33lbs	**625-2515**
80x50x100mm	3-1/16"/80mm	20kg/44lbs	**625-2520**
100x50x150mm	3-31/32"/125mm	23kg/50lbs	**625-2523**

Granite Surface Plates

Hardest uniformity of all granite surface plate

- Lowest temperature coefficient, least responsive to temperature changes.
- Moisture and corrosion free, no rusting, no oiling, will not stain or discolor.
- Practically maintenance free, fast easy to clean.
- SmoothBall-Bearing" surface.
- Resists dust and abrasives, Non-magnetic.



GGG-P-463C-73 Inspection Grade "A"

Size	Thick-ness	Overall Accuracy	0-Ledge Order No.	2-Ledge Order No.
9x12"	3"	.000050"	**640-0400**	**640-0402**
12x12"	3"	.000050"	**640-0410**	**640-0412**
12x18"	3"	.000050"	**640-0420**	**640-0422**
18x18"	3"	.000050"	**640-0430**	**640-0432**
18x24"	3"	.000075"	**640-0440**	**640-0442**
18x24"	4"	.000075"	**640-0445**	**640-0446**
24x24"	3"	.000075"	**640-0450**	**640-0452**
24x24"	4"	.000075"	**640-0460**	**640-0462**
24x36"	4"	.0001"	**640-0470**	**640-0472**
24x36"	5"	.0001"	**640-0474**	**640-0476**
36x48"	4"	.0002"	**640-0473**	**640-0482**
36x48"	6"	.0002"	**640-0480**	**640-0483**
36x60"	6"	.00025"	**640-0490**	**640-0492**

GGG-P-463C-73 Laboratory Grade "AA"

Size	Thick-ness	Overall Accuracy	0-Ledge Order No.	2-Ledge Order No.
9x12"	3"	.000025"	**640-0600**	**640-0602**
12x18"	3"	.000025"	**640-0620**	**640-0622**
18x24"	4"	.000037"	**640-0640**	**640-0642**
24x36"	6"	.000050"	**640-0660**	**640-0662**
36x48"	6"	.0001"	**640-0680**	**640-0682**

GGG-P-463C-73 Tool Room Grade "B"

Size	Thick-ness	Overall Accuracy	0-Ledge Order No.	2-Ledge Order No.
5x6"	2"	.0001"	**640-0070**	**640-0177**
6x8"	2"	.0001"	**640-0080**	**640-0188**
8x12"	2"	.0001"	**640-0090**	**640-0199**
9x12"	2"	.0001"	**640-0101**	**640-0103**
9x12"	3"	.0001"	**640-0100**	**640-0102**
12x12"	3"	.0001"	**640-0110**	**640-0112**
12x18"	3"	.0001"	**640-0120**	**640-0122**
12x18"	4"	.0001"	**640-0125**	**640-0126**
18x18"	2"	.0001"	**640-0127**	**640-0128**
18x18"	3"	.0001"	**640-0130**	**640-0132**
18x24"	3"	.0001"	**640-0140**	**640-0142**
18x24"	4"	.00015"	**640-0145**	**640-0146**
18x36"	4"	.0002"	**640-0147**	**640-0148**
24x24"	3"	.00015"	**640-0150**	**640-0152**
24x36"	4"	.0002"	**640-0160**	**640-0162**
24x48"	4"	.0003"	**640-0170**	**640-0172**
36x48"	4"	.0004"	**640-0180**	**640-0182**
36x48"	6"	.0004"	**640-0184**	**640-0186**
36x60"	6"	.0005"	**640-0190**	**640-0192**
36x72"	6"	.0006"	**640-0200**	**640-0202**
48x60"	6"	.0005"	**640-0210**	**640-0212**
48x72"	6"	.0007"	**640-0220**	**640-0222**
48x84"	8"	.0007"	**640-0230**	**640-0233**
48x96"	12"	0.0008"	**640-0240**	**640-0241**

DIN876-83

Size	Grade 0 Order No.	Grade 00 Order No.
300x200x50mm	**641-0001**	**641-0070**
300x300x70mm	**641-0005**	**641-0075**
400x250x70mm	**641-0010**	**641-0080**
400x400x100mm	**641-0015**	**641-0085**
630x400x100mm	**641-0020**	**641-0090**
630x630x130mm	**641-0025**	**641-0095**
800x500x130mm	**641-0030**	**641-0100**
1000x630x150mm	**641-0035**	**641-0105**
1000x750x150mm	**641-0040**	**641-0110**
1000x1000x150mm	**641-0045**	**641-0115**
1200x800x150mm	**641-0047**	**641-0117**
1600x1000x200mm	**641-0050**	**641-0120**
2000x1000x250mm	**641-0055**	**641-0125**
2000x1600x300mm	**641-0060**	**641-0130**
2500x1600x300mm	**641-0065**	**641-0135**

JISB7510-78

Size	Grade1 Order No.	Grade 0 Order No.
300x200x50mm	**642-0001**	**642-0070**
300x300x70mm	**642-0005**	**642-0075**
400x250x70mm	**642-0010**	**642-0080**
400x400x100mm	**642-0015**	**642-0085**
630x400x100mm	**642-0020**	**642-0090**
630x630x130mm	**642-0025**	**642-0095**
800x500x130mm	**642-0030**	**642-0100**
1000x630x150mm	**642-0035**	**642-0105**
1000x750x150mm	**642-0040**	**642-0110**
1000x1000x150mm	**642-0045**	**642-0115**
1200x800x150mm	**642-0047**	**642-0117**
1600x1000x200mm	**642-0050**	**642-0120**
2000x1000x250mm	**642-0055**	**642-0125**
2000x1600x300mm	**642-0060**	**642-0130**
2500x1600x300mm	**642-0065**	**642-0135**

Granite Surface Plate Stands

- Overall working height 36".
- 4 leveling screws at the bottom of stands,5 small jacks on the top of stands to adjust level for metric size.
- Support all grade surface plates.



Inch

Size	0-ledge Order No.
18x24"	**64S-1010**
24x36"	**64S-1020**
36x48"	**64S-1030**
36x60"	**64S-1040**
48x60"	**64S-1050**
48x72"	**64S-1060**
60x72"	**64S-1063**
48x96"	**64S-1070**

Size	2-ledge Order No.
18x24"	**64S-1012**
24x36"	**64S-1022**
36x48"	**64S-1032**
36x60"	**64S-1042**
48x60"	**64S-1052**
48x72"	**64S-1062**
60x72"	**64S-1064**
48x96"	**64S-1072**

Metric

Size	Order No.	Size	Order No.
400x250mm	**641-3005**	800x800mm	**641-3050**
400x400mm	**641-3010**	1000x630mm	**641-3055**
500x400mm	**641-3015**	1000x750mm	**641-3060**
500x500mm	**641-3020**	1000x800mm	**641-3065**
600x500mm	**641-3025**	1000x1000mm	**641-3070**
600x600mm	**641-3030**	1200x800mm	**641-3075**
630x400mm	**641-3035**	1500x1000mm	**641-3080**
630x600mm	**641-3036**	1600x1000mm	**641-3085**
630x630mm	**641-3040**	2000x1600mm	**641-3090**
800x500mm	**641-3045**	2500x1600mm	**641-3095**

Surface Plate Stand

Cabinet Type

- Cabinet stand provide a strong, rigid suport for standard plates listed, plus a handy place to store frequently used inspection tools and accessories.
- Standard height: 36"(900mm) form the floor to top of the surface plate.
- Plate not include.

NEW



Size	with Level Screws Order No.	with Casters Order No.
24 x 36"	**641-1010**	**641-1014**
36 x 48"	**641-1012**	**641-1016**



Granite Surface Plate Stands

Bolted Construction

- Steel plates bolted construction for easy assembly and disassembly.
- Complete with 4 leveling screws for easy level adjustment.
- Long lasting painting.
- Bottom tool rack for your convenience.

Sizes	Stand Height	Order No.
18x24"	36"	**64S-1110**
24x24	36	**64S-1115**
24x36	36	**64S-1120**

Granite V-Blocks



- Support or hold cylindrical pieces during inspection.
- 90° V centered and parallel to the bottom, two sides and square to the ends.
- Furnished in matched pairs.

Size	Accuracy	Order No.
3x3x3"	0.001/6"	**640-0001**
4x4x4"	0.001/6"	**640-0002**
6x6x6"	0.001/6"	**640-0003**

Size	Grade 0 Order No.	Grade 00 Ortder No.
63x63x63mm	**641-6101**	**641-6001**
100x100x100mm	**641-6103**	**641-6003**
160x160x100mm	**641-6105**	**641-6005**
250x250x160mm	**641-6107**	**641-6007**

Granite Angle Plates



- Furnished with two finished faces or four finished faces.
- When four faces are finished, they are the 2 "L" faces, back and bottom of the angle plate. Two faces models have only back and bottom finished.

Size	Accuracy	2Faces Order No.	4Faces Order No.
4x4x4"	0.005/6"	**640-0004**	**640-0044**
6x6x6"	0.005/6"	**640-0006**	**640-0066**
6x9x12"	0.005/6"	**640-0009**	**640-0069**

Size	2 Faces		4Faces	
	grade 0 Order No.	grade 00 Order No.	grade 0 Order No.	grade 00 Order No.
160x25x16mm	**641-7211**	**641-7201**	**641-7411**	**641-7401**
250x40x25mm	**641-7213**	**641-7203**	**641-7413**	**641-7403**
400x63x40mm	**641-7215**	**641-7205**	**641-7415**	**641-7405**
830x100x63mm	**641-7217**	**641-7207**	**641-7417**	**641-7407**

Granite Parallels



- Used to elevate parts above the surface plate, so that parts with steps and shoulders can be inspected quickly and easily. Each one only has two face finished.
- Supplied in pairs.

Size	Accuracy	Order No.
3/4x1x6"	.000060"	**640-0011**
1x2x12"	.000100"	**640-0022**
1-1/2x3x18"	.000300"	**640-0033**
2x4x24"	.000500"	**640-0040**
2x4x30"	.000500"	**640-0050**

Size	Grade 0 Order No.	Grade 00 Order No.
20x25x150mm	**641-4020**	**641-5020**
25x50x300mm	**641-4025**	**641-5025**
40x75x450mm	**641-4040**	**641-5040**
50x100x600mm	**641-4050**	**641-5050**
50x100x750mm	**641-4055**	**641-5055**

Granite Squares



- For inspecting squareness of machine spindle and other work pieces.
- Round hole size 160,250mm.

Size	Grade 0 Order No.	Grade 00 Order No.
100x63x16mm	**641-2011**	**641-2001**
160x100x20mm	**641-2012**	**641-2002**
250x160x25mm	**641-2013**	**641-2003**
400x250x40mm	**641-2014**	**641-2004**
630x400x80mm	**641-2015**	**641-2005**
1000x630x80mm	**641-2016**	**641-2006**

Granite Square Rulers



On inspection of verticality and parallelism as well as absolute 90 measuring base.

Size	Grade 0 Order No.	Grade 00 Order No.
100x100x20mm	641-2111	641-2101
160x160x25mm	641-2112	641-2102

Size	Grade 0 Order No.	Grade 00 Order No.
200x200x25mm	641-2113	641-2103
250x250x30mm	641-2114	641-2104
300x300x30mm	641-2115	641-2105
400x400x40mm	641-2116	641-2106
500x500x50mm	641-2117	641-2107

Granite Straight Rules

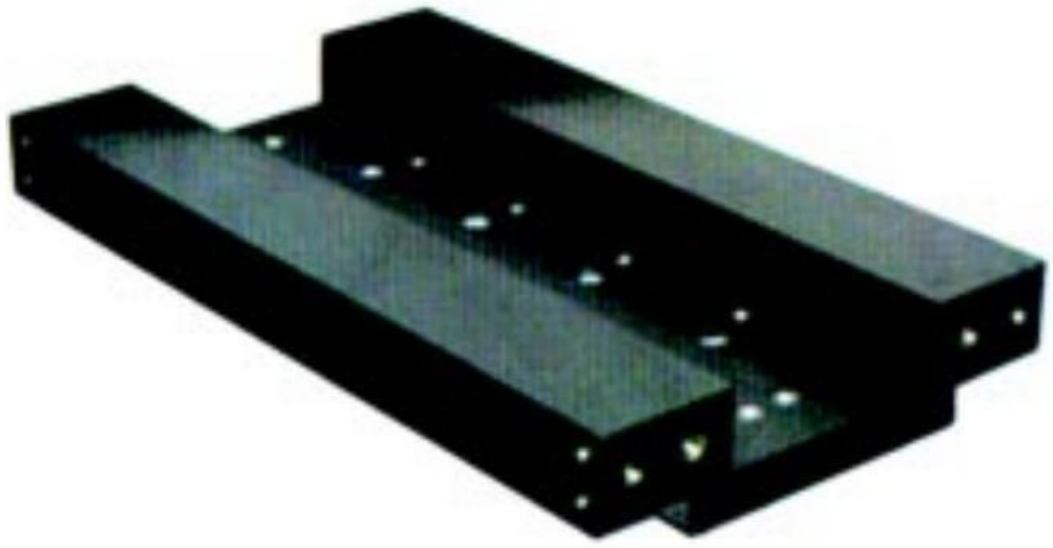


- For inspecting the straightness and flatness

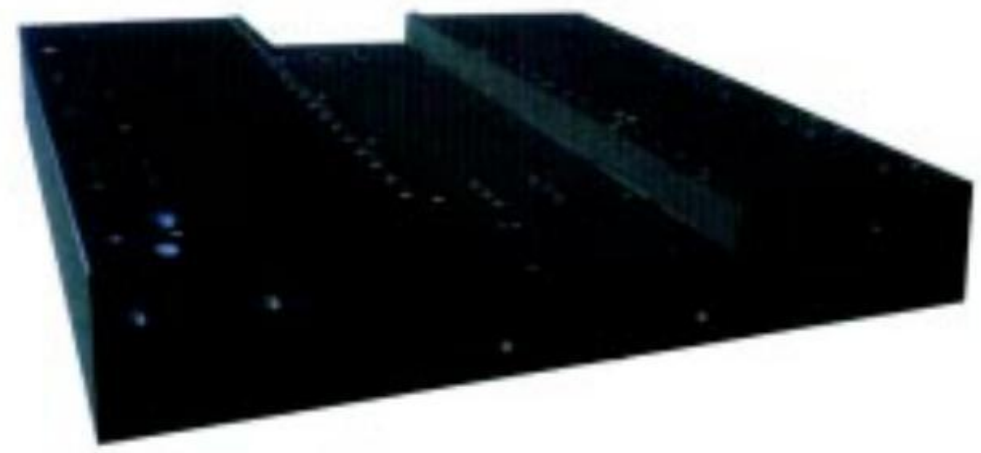
Size	Grade 0 Order No.	Grade 00 Order No.
400x60x25mm	641-1001	641-1101
630x100x35mm	641-1002	641-1102

Size	Grade 0 Order No.	Grade 00 Order No.
1000x160x50mm	641-1003	641-1103
1600x250x80mm	641-1004	641-1104
2000x300x100mm	641-1005	641-1105

Granite Machine Component



CNC Components make of granite, including base, column, beam and slideway.
The maximum dimension up to:
8000mm x 2500mm x 800mm (320"x100"x32")



We can provide our customers with a great variety of granite pieces which can be used for construction of drilling & milling machines for PCB.
The maximum dimension up to:
5000mm x 2500mm x 800mm (200"x100"x32")





Bio-Microscopes

45mm DIN Achromatic Objective: 4X, 10X, 40X(S), 100X(S,Oil)
Wide Field Plane-Scope Eyepiece: WF10X; Total Magnification: 40X-1000X
Articulated Free Binocular Head, Interpupillary Distance: 55-75mm: 30° Inclined, 360° Rotatable
Double Layers Mechanical Stage: 125X130mm, Moving Range X-Y: 60X30mm
Diemeter 2-30mm Iris Diaphragm And Diemeter 32 Filter; ABBE Condenser: N.A.1.25
Coaxial Coarse And Fine Focusing Adjustable Mechanism: 20mm
Built-in Adjustable Brightness Halogen Lamp 6V/20W
(or Incandescent, or Fluorescent, or LED)



XSP-121B

Net Weight/Set: 4.6kg

Order No. 855-1100



XSP21-01B

Net Weight/Set: 4.3kg

Order No. 855-1105

45mm DIN Achromatic Objective: 4X, 10X, 40X(S), 100X(S,Oil)
Wide Field Plane-Scope Eyepiece: WF10X, WF16X; Total Magnification: 40X-1600X
Double Layers Mechanical Stage: 140X155mm, Moving Range X-Y: 70X50mm
Diemeter 2-30mm Iris Diaphragm And Diemeter 32 Filter; ABBE Condenser: N.A.1.25
Coaxial CoarseAnd Fine Focusing Adjustable Mechanism: 35mm, Precision: 0.002mm
Built-in Adjustable Brightness Halogen Lamp 6V/20W



XSZ21-05B

Articulated Free Binocular Head,
Interpupillary Distance: 55-75mm;
30° Inclined, 360° Rotatable
Net Weight/Set: 5.8kg

Order No. 855-1200



XSZ-701BN

Sliding Binocular Head, Interpupillary Distance: 55-75mm; 45° Inclined, 360° Rotatable
Net Weight/Set: 6.4kg

Order No. 855-1210

XSP91-0E6-1

45mm DIN Achromatic Objective: 10X, 40X(S), 100X(S,Oil)
Wide Field Plane-Scope Eyepiece: WF10X; Total Magnification: 100X-1000X
Monocular Head, 45° Inclined, 360° Rotatable
Double Layers Mechanical Stage: 110X125mm, Moving Range X-Y: 60X20mm
Diemeter 2-30mm Iris Diaphragm And Diemeter 32 Filter; ABBE Condenser: N.A.1.25
Coaxial Coarse And Fine Focusing Adjustable Mechanism:14mm
Built-in Incandescent Lamp 20W
(or Halogen, or Fluorescent, or LED)
Net Weight/Set: 2.6kg



Order No. 855-1110

Stereo-Microscopes

Objective: Grouped From Any Two Objectives of 1X, 2X, 3X and 4X,
Working Distance: 1X-55mm,2X-81mm, 3X-61mm, 4X-57mm
Wide Field Plane-Scope Eyepiece: WF10X, WF15X (Optional)
Total Magnification:
10X-20X, or 10X-30X, or 10X-40X, or 20X-30X, or 20X-40X, or 30X-40X
Articulated Free Binocular Head, Interpupillary Distance: 55-75mm, 45° Inclined;

XTD-3C

Illumination: Top/Bottom Light: 12V/10W Halogen Lamp, with Diemeter 95mm Frosted Glass Stage Plate
Rack and Pinion Coarse Focusing Mechanism With Slip Clutch and Tension Adjustment
Net Weight/Set: 2.4kg

Order No. 855-0711

XTD-3C-RC

Illumination: Top/Bottom Light: IWLEDLamp, with Diemeter 95mm Frosted Glass Stage Plate
(XTD-3C-RC:
with a Charger and 3 Rechargeable Batteries)
Rack and Pinion Coarse Focusing Mechanism With Slip Clutch and Tension Adjustment
Net Weight/Set: 2.4kg



Order No. 855-0721

Cool Bright Fiber Optic Illumination Systems

Used for microscope illuminationand other illuminations which the heat influence is considered



Fiber Optic Light Guides

Types of Light Guides	Length of Guides	Order No.
Single Light Guide	19"/490mm	**855-0911**
Dual Light Guide	19"/490mm	**855-0912**
Annular Ring Light-Fits	35"/900mm	**855-0913**

Fiber Optic Light Sources

Power	Lamp	Order No.
110/120/VAC 50/60Hz	Halogen 24V/150W	**855-0901**
220/230/VAC 50/60Hz	Halogen 24V/150W	**855-0902**

7X-30X Stereo Microscopes



- 45° Inclined head with 10X eyepieces (15X Optional).
- 0.7-3X Zoom Objective.
- Diameter of field view: 0.70".
- Work Distance: 3.82".
- Top/Bottom illumination.
- Halogan bulb 6V/10W.

Order No. 855-0095

10X-160X Zoom Microscopes



- 1X-4X Continuous Zoom Objective.
- Standard Eyepieces: 10X, 20X.
- Auxiliary Objective: 2X.
- Working Distance: 26mm-87mm/1-3.5".

Order No. 855-0091

10X-40X Zoom Stereo Microscopes



- Sharp stereo erect image over a wide field view.
- 45° inclined and 360° rotational binocular head.
- Adjustable Pupil Distance: 2.1"-3"/55-75mm.
- Top/Bottom adjustable light.
- Working distance: 3.4"/85mm.

Eyepiece	Objectives	Types of Stands	Order No.
10X	1-4X	Pillar Stand	**855-0301**
10X	1-4X	Arm Stand	**855-0303**

45° Inclined Head Style



Order No. 855-0041 **Order No. 855-0042** **Order No. 855-0043**

20X/40X, Pillar Stand

Eyepiece	Objectives	Light	Bulb	Order No.
10X	2X/4X	Without		**855-0041**
10X	2X/4X	Top	Halogen	**855-0042**
10X	2X/4X	Top/Bottom	Halogen	**855-0043**

Stereo Microscopes

Upright Head Style

- Fully coated excellent optics gives erect image over a wide field of view, sharp and clear.
- Provide the original true color of the viewed object.
- Accurate alignment gives fatigue free viewing.
- Power Supply: 220V 60Hz/110V 50Hz.



OrderNo. 855-0001 **Order No. 855-0002** **Order No. 855-0003**

20X, Pillar Stand

Eyepiece	Objectives	Light	Bulb	Order No.
10X	2X	Without		**855-0001**
10X	2X	Top	Halogen	**855-0002**
10X	2X	Top/Bottom	Halogen	**855-0003**

45° Inclined Head Style



Order No. 855-0021 **Order No. 855-0022** **Order No. 855-0023**

20X, Pillar Stand

Eyepiece	Objectives	Light	Bulb	Order No.
10X	2X	Without		**855-0021**
10X	2X	Top	Halogen	**855-0022**
10X	2X	Top/Bottom	Halogen	**855-0023**

360° Rotatable
45° Inclined Head Style



Order No. 855-0061 **Order No. 855-0062** **Order No. 855-0063**

20X/40X, Pillar Stand

Eyepiece	Objectives	Light	Bulb	Order No.
10X	2X/4X	Without		**855-0061**
10X	2X/4X	Top	Halogen	**855-0062**
10X	2X/4X	Top/Bottom	Halogen	**855-0063**

Stereo Microscopes

Adjustable Arm Stereo Microscopes

- Top Light: 12V/10W Halogen Bulb.
- Fully coated excellent optics gives erect image over a wide field of view, sharp and clear.
- Provide the original true color of the viewed object.
- Accurate alignment gives fatigue free viewing.
- Power Supply: 220V 60Hz/110V 50Hz.

20X Upright Head Style



OrderNo. 855-0081

20X, 45° Inclined Head Style



Order No. 855-0082

Slim Stereo Microscopes

- Top/Bottom Light.
- Adjustable Brightness.
- Working Distance 3"/76mm.



Eyepiece	Objectives	Stands	Order No.
10X	Rotated 2X, 4X	Pillar Stand	**855-0861**
10X	Rotated 2X, 4X	Arm Stand	**855-0862**
10X	Rotated 1X, 3X	Pillar Stand	**855-0851**
10X	Rotated 1X, 3X	Arm Stand	**855-0852**

10,20,30X Stereo Microscopes

- 45°Inclined head with 10X eyepieces.
- 1,2,3X objectives.
- Dual illumination.
- Work Distance: 3.15-1.88".
- Pupil Diatance: 2.00"-2.75".

Order No. 855-0096



10X/30X Stereo Microscope

Eyepiece.....10X
Objective.....1X, 3X
Working Stage.....3"/7.5mm
Working Distance.....3.7"/95mm
Bulbs.....Halogen
Light.....Adjustable Brightness, Top/Bottom 110V/15W

Order No. 855-0701



Stereo Microscopes

Long Distance Adjustment

Working Distance 3.75"/95mm





Eyepiece	Objectives	Types of Stands	Light	Order No.
10X	Rotated 2X, 4X	Pillar Stand	Without Light	**855-0801**
10X	Rotated 2X, 4X	Arm Stand	Without Light	**855-0802**
10X	Rotated 2X, 4X	Pillar Stand	Top/Bottom Light	**855-0803**
10X	Rotated 2X, 4X	Arm Stand	Top/Bottom Light	**855-0804**
10X	Rotated 1X, 3X	Pillar Stand	Without Light	**855-0811**
10X	Rotated 1X, 3X	Arm Stand	Without Light	**855-0812**
10X	Rotated 1X, 3X	Pillar Stand	Top/Bottom Light	**855-0813**
10X	Rotated 1X, 3X	Arm Stand	Top/Bottom Light	**855-0814**

Optional Accessories For Stereo Microscopes

Eye pieces

Description	Order No.
5X 18mm	**855-0211**
10X 20mm	**855-0212**
15X 13mm	**855-0213**
20X 10mm	**855-0214**



Objectives

Description	Order No.
1X	**855-0231**
2X	**855-0232**
3X	**855-0233**
4X	**855-0234**
6X	**855-0236**



Bulbs

Description	Order No.
Incandescent Bulb 12V/10W	**855-0221**
Halogen Bulb 12V/10W	**855-0222**

Hand Held Refractometers

Application:
Measuring cutting/grinding coolants, oil/water concentrations, also used as Brix Tester (Sugar related liquids fruit juices, soft drinks, wine, honey)

- Accurately measures industrial liquids.
- Easy to read scale.
- Maintain and control optimum performance mixture.
- Two items feature automatic Temperature Compensation System.



Refractometers are precision optical instruments designed to measure the concentration or mixture ration of aqueous solutions

Range	Grad.& Accuracy	Description	Order No.
0-10%	0.1%	without ATC	**854-4010**
0-10%	0.1%	with ATC	**854-4011**
0-18%	0.1%	without ATC	**854-4018**
0-32%	0.2%	without ATC	**854-4032**
0-32%	0.2%	with ATC	**854-4033**
0-55%	1%	without ATC	**854-4055**

Pocket Microscopes

- Use 2 AA batteries (not included)



For reading fine print, industrial quality control, fine inspections, textiles, etc.

Power	Description	Order No.
30X	with Focusing Wheel	**854-3111**
30X	Illuminated with Focusing Wheel	**854-3112**
30X	Illuminated with Focusing Wheel	**854-3113**
40-90X	Illuminated with Focusing Wheel	**854-3114**

Triplet Optical Comparators

- Reticles are made of glass offered great stability.
- Each comparator comes with one reticle.

Magnifier & Reticles Sets



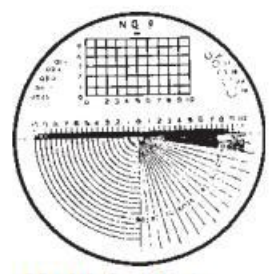
Qty of Reticles	Lens Dia.	Power	Order No.
5	25mm/1"	7X	**854-7002**
8	25mm/5/6"	7X	**854-7000**
5	25mm/1"	10X	**854-7003**
5	32mm/1-1/2"	10X	**854-7004**
8	25mm/5/6"	10X	**854-7001**

Individual Magnifiers

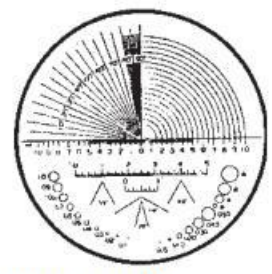


Power	Lens Dia.	Order No.
7X	25mm/5/6"	**854-7007**
7X	25mm/1"	**854-7008**
10X	25mm/5/6"	**854-7010**
10X	25mm/1"	**854-7110**
10X	35mm/1-1/2"	**854-7111**

Individual Reticles



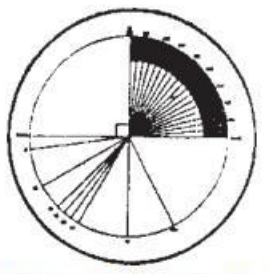
Multi Scale1
Order No. 854-7201



Multi Scale2
Order No. 854-7202



Inch Screw Threas
Order No. 854-7205



Cutting Tools Angle
Order No. 854-7209

Magni-Visors

Used for reading fine print and precision inspection



- Outer Lens 1.8X, inner "flip down" Lens for total 2.3X

Order No. 854-3101



- Outer Lens 1.8X, inner"flip-down" lens for total 2.3X.
- With 2X Auxiliary Lens, for total 4.8X magnification.

Order No. 854-3102



- Outer Lens 1.8X, inner"flip-down" lens for total 2.3X.
- With 2X Auxiliary Lens, for total 4.8X magnification.
- 2 Incandescent bulbs, 2 AAA batteries.

Order No. 854-3103

Shop Microscopes/Magnifiers

Illumination Triplet Magnifiers

- Designed for very distinct, sharp and no color distortion magnified images.
- Glass lens
- 2 AA batteries.



Power	Lens Dia.	Order No.
10X	21mm	**854-1111**
15X	21mm	**854-1115**
20X	21mm	**854-1120**

Deluxe Shop Microscopes

with Adjustment Focal Wheel

- Designed for very distinct, sharp and no color distortion magnified images.
- Glass lens
- Features illumination torch with 2 AAA batteries.



Power	Order No.
40X	**855-0600**
80X	**855-0601**

Triplet Jewel Magnifiers

Designed for very distinct, sharp and no color distortin magnified images

- Hasting triplet lens system-three separate lenses bonded together.
- Case colors: Bright, Black and Golden.
- Handle type swing case.
- Glass lens







Without Coating

Power	Lens Dia.	Chrome Plated Bright Order No.	Power Coated Black Order No.	TiN Coated Golden Order No.
10X	18mm	**854-5010**	**854-5110**	**854-5210**
15X	18mm	**854-5015**	**854-5115**	**854-5215**
20X	18mm	**854-5020**	**854-5120**	**854-5220**
30X	18mm	**854-5030**	**854-5130**	**854-5230**
10X	21mm	**854-5310**	**854-5410**	**854-5510**
15X	21mm	**854-5315**	**854-5415**	**854-5515**
20X	21mm	**854-5320**	**854-5420**	**854-5520**
30X	21mm	**854-5330**	**854-5430**	**854-5530**

With Coating

Power	Lens Dia.	Chrome Plated Bright Order No.	Power Coated Black Order No.	TiN Coated Golden Order No.
10X	18mm	**854-8010**	**854-8110**	**854-8210**
15X	18mm	**854-8015**	**854-8115**	**854-8215**
20X	18mm	**854-8020**	**854-8120**	**854-8220**
30X	18mm	**854-8030**	**854-8130**	**854-8230**
10X	21mm	**854-8310**	**854-8410**	**854-8510**
15X	21mm	**854-8315**	**854-8415**	**854-8515**
20X	21mm	**854-8320**	**854-8420**	**854-8520**
30X	21mm	**854-8330**	**854-8430**	**854-8530**

Shop Microscopes

- Portable shop microscopes for precision and sharp inspection of work pieces.
- 2 in 1 metric and inch straight line scale.
- Glass lens
- 2 AAA batteries.



Power	Graduation	Order No.
20X	0.005”/0.1mm	**854-0420**
40X	0.0025”/0.05mm	**854-0440**
60X	0.001”/0.02mm	**854-0460**
100X	0.0005”/0.01mm	**854-0500**

Four & Five Element Jewel Magnifiers

Increased ability of no color distortion, compare to Triplet Lents, also have distinct magnified images.

- Glass lens



Without Coating

Power	Lens Dia.	No. of Lenses	Chrome Plated Bright Order No.	Power Coated Black Order No.	TiN Coated Golden Order No.
10X	12mm	Four	**854-6010**	**854-6110**	**854-6210**
15X	12mm	Five	**854-6015**	**854-6115**	**854-6215**
20X	12mm	Five	**854-6020**	**854-6120**	**854-6220**

With Coating

Power	Lens Dia.	No. of Lenses	Chrome Plated Bright Order No.	Power Coated Black Order No.	TiN Coated Golden Order No.
10X	12mm	Four	**854-6310**	**854-6410**	**854-6510**
15X	12mm	Five	**854-6315**	**854-6415**	**854-6515**
20X	12mm	Five	**854-6320**	**854-6420**	**854-6520**

Foldable Bifocal Magnifiers

Table Top Model

- Glass Lens



Order No. 854-3021 | **Order No. 854-3022** | **Order No. 854-3023**

Power	Lens Dia.	Description	Order No.
3X/6X	75mm	without Illumination	**854-3021**
2X/4X	100mm	with Illumination	**854-3022**
2X/4X	72mm	with Illumination	**854-3023**

Acrylic Pen & Ruler Magnifiers

- Plastyle Lens



Lens Dia. 6"/150mm, Power 1X
Order No. 854-3121



Lens Dia. 5"Length, Power 1X
Order No. 854-3122



Lens Dia. 3" Scale, Power 1X
Order No. 854-3123



Lens Dia. 2"/50mm, Power 2X
Order No. 854-3124

Stainless Steel Tweezer Magnifiers

- Glass Lens



Lens Dia. 28.5mm, Power 6X
Order No. 854-1228



Lens Dia. 28mm, Power 5X
Order No. 854-1223



Lens Dia. 21.5mm, Power 6X
Order No. 854-1221



Lens Dia. 28mm, Power 5X
Order No. 854-1222

Goose Neck Magnifiers

- Glass lens



Weighted Base

- Lens Dia. 4"/100mm, Power 2.5X.
- Neck Length 16"/400mm.

Order No. 854-3078



Weighted Base

- Lens Dia. 4"/100mm, Power 2.5X.
- Neck Length 12"/300mm.

Order No. 854-3079



"G" Clamp & Spring Clamp

Power	Lens Dia.	Neck Dia.	Description	Order No.
3X	3"/75mm	15"/380mm	Spring Clamp	**854-3071**
3X	3"/75mm	15"/7380mm	C-Clamp	**854-3073**
3X	3.6"/90mm	20"/510mm	Spring Clamp	**854-3075**
3X	3.6"/90mm	20"/510mm	C-Clamp	**854-3077**

Bifocal Magnifiers

- Acrylic Lens



Lens Dia.	Power	Order No.
2"/52mm	3X, 6X	**854-3031**
2-1/2"/65mm	3X,6X	**854-3033**
3"/75mm	3X,6X	**854-3035**
4"/100mm	2X,4X	**854-3037**
12Pcs/set, 3pcs each of 52mm, 65mm, 75mm, 100mm		**854-3038**
12Pcs/set, 4pcs each of 65mm, 75mm, 100mm		**854-3039**

Hand Free Magnifier

- Acrylic Lens



2X acrylic square main lens, 5X bifocal lens

Order No. 854-3120

Pocket Illuminate Magnifier



- Lens Size 40x40mm.
- Power 5X, 10X bifocal.
- Use 2 AA batteries(not include).
- Acrylic Lens

Order No. 854-3061

Rectangular Magnifiers

- Glass Lens



Lens Size: 50x100mm,
Power: 3X

Order No. 854-3011

- Acrylic Lens



Bifocal Foldable Model
Lens Size: 50x100mm, 3X, 6X

Order No. 854-3012

Helping Hand Magnifiers

- Cast Iron Base.
- Eliminates the use of hand held.
- Two spring clamps and magnifier work at any desired angle.
- Glass Lens



Lens Dia. 60mm, Power 2X

Order No. 854-1550

Multi-Application Magnifiers

- Glass lens





Lens Dia.	Power	Order No.
2-1/2"/65mm	4X	**854-3041**
3"/75mm	3X	**854-3043**
3-1/2"/90mm	3X	**854-3045**
4"/100mm	2.5X	**854-3047**
12Pcs/set, 3pcs each of 65mm, 75mm, 100mm		**854-3049**

Round Magnifiers

- Glass lens



Power	Lens Dia.	Order No.
3X	2"/50mm	**854-3051**
3X	3"/75mm	**854-3053**
2.5X	4"/100mm	**854-3055**

Plastic Body Round Magnifier

- Glass lens



Lens Dia. 110mm, Power 2X

Order No. 854-1999

Round Magnifiers

- Glass lens



Lens Dia.	Power	Plastic Body Order No.	Plastic Body Metal Joint Order No.	Plastic Handle Metal Hoop Order No.	Metal Handle Metal Hoop Order No.
100mm	3X			**854-1800**	**854-1900**
50mm	6X	**854-1650**	**854-1750**	**854-1850**	**854-1950**
65mm	5X	**854-1665**	**854-1765**	**854-1865**	**854-1965**
75mm	4X	**854-1675**	**854-1775**	**854-1875**	**854-1975**
85mm	4X			**854-1885**	**854-1985**
90mm	3X	**854-1690**	**854-1790**	**854-1890**	**854-1990**

Illuminated Magnifiers

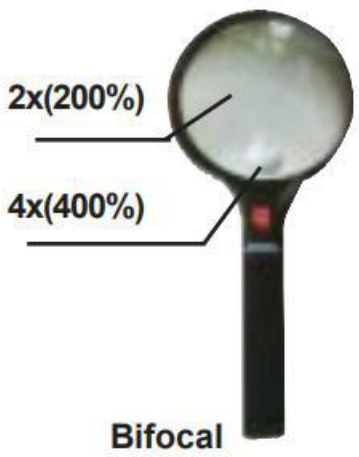
- Switch on/off.
- Two AAA batteries for 854-1030, two C batteries for 854-1110, the rest models feature AA size batteries.
- Glass Lens



Order No. 854-1030 | Order No. 854-1053 | Order No. 854-1066 | Order No. 854-1080 | Order No. 854-1090



Order No. 854-1110



Bifocal Order No. 854-1091



12 Piece Set Order No. 854-1012

Lens Dia.	Power	Order No.
30mm	6X	854-1030
53mm	2.5X	854-1053
66mm	2X	854-1066
80mm	2X	854-1080
90mm	2X	854-1090
110mm	2X	854-1010
90mm	2X ,4X	854-1091

Round Stand Magnifiers

- Glass Lens



854-1575 854-1530

Lens Dia.	Power	Order No.
30mm	10X	854-1530
75mm	3X	854-1575

Watchmakers' Loupes

- Glass Lens



Lens Dia.	Order No.
10X	854-1560
4X	854-1564
5X	854-1565

Folding Pocket Magnifiers

- With a swing away case, servers as a handle.
- Glass Lens



Order No. 854-1321



Order No. 854-1317



Order No. 854-1330



Order No. 854-1332



Order No. 854-1331



Order No. 854-1348

Power	Lens Dia.	Description	Order No.
10X	17mm	Jeweller's Magnifier	854-1317
10X	21mm	Jeweller's Magnifier	854-1321
5X	30mm	Keys Buckle	854-1330
10X	30mm	Two Lens in One	854-1331
15X	30mm	Three Lens in One	854-1332
3X	48.7mm	Leather Pouch	854-1348

Folding Stand Magnifiers

- Stand Magnifier has almost limitless uses from industrial engineers to stamp collectors featuring fold-out stand and Metric scale in the base.
- Glass Lens



Aluminum Alloy Frame



Plastic Frame

Lens Diameter	Power	Aluminum Alloy Frame Order No.	Plastic Frame Order No.
16mm	6X	854-1416	854-1417
21mm	6X	854-1421	854-1423
21mm	6X	854-1422*	854-1424*
28mm	6X	854-1428	854-1429
50mm	5X		854-1450
65mm	4X		854-1465
75mm	4X		854-1475
90mm	3X		854-1490
110mm	2X		854-1411

*21mm with Scale