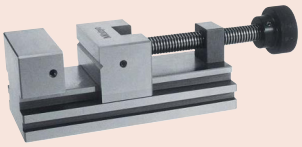
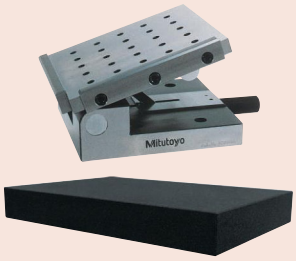
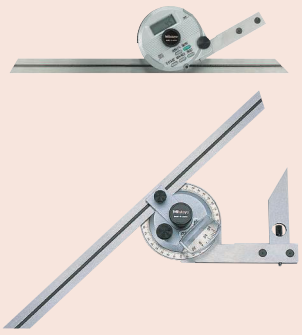
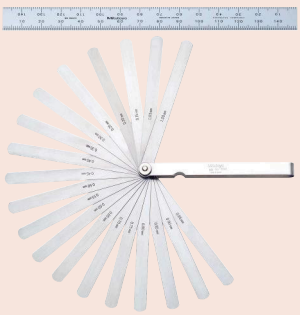








Gauge Stands with Hardened Steel Anvils

Series 519, Series 7

This gauge stand with hardened steel anvil offers you the following benefits:

- Standard version with round anvil

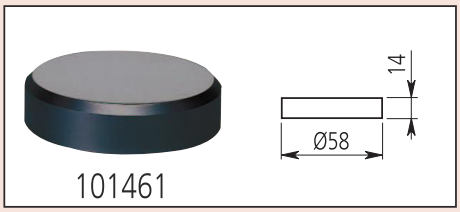
Standard accessories

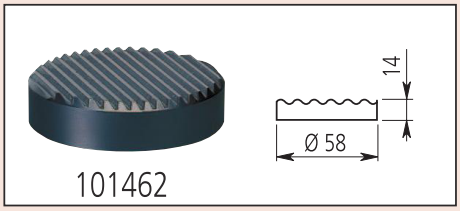
No.	Description
101461	Flat Anvil for Gauge Stand, Ø58mm
101462	Serrated Anvil for Gauge Stand, Ø58mm
21JAA316	Stem Bush for Gauge Stand, 9,53mm to 8mm

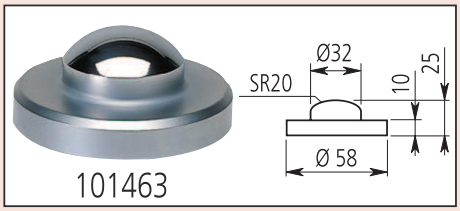
Optional accessories

No.	Description
101463	Convex Anvil for Gauge Stand, Ø58mm

101461 for 7002-10
101462 for 7001-10, 519-109-10





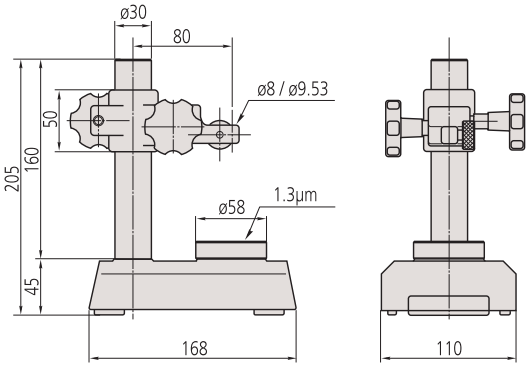


7001-10

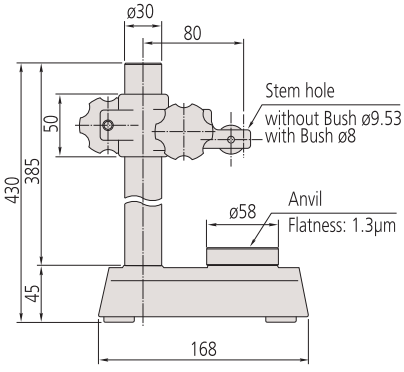
7002-10

519-109-10

No.	Effective table dimensions [mm]	Column Ø [mm]	Max. measurement height [mm]	Measuring table	Fine adjustment	Stem hole ø	Perpendicularity table-stem hole [mm/mm]	Table flatness	Mass [kg]
7001-10	Ø 58	30	95	Serrated (101462)	1 mm	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	0,4/100	1,3 µm	4
7002-10	Ø 58	30	95	Flat (101461)	1 mm	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	0,4/100	1,3 µm	4
519-109-10	Ø 58	30	320	Serrated (101462)	1 mm	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	0,4/100	1,3 µm	5,6



7001-10, 7002-10



519-109-10

Mitutoyo

Gauge Stands with Hardened Steel Anvils

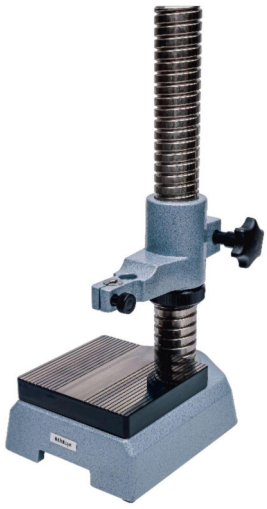
Series 215, Series 7

This gauge stand with hardened steel anvil offers you the following benefits:

- Standard version with square anvil

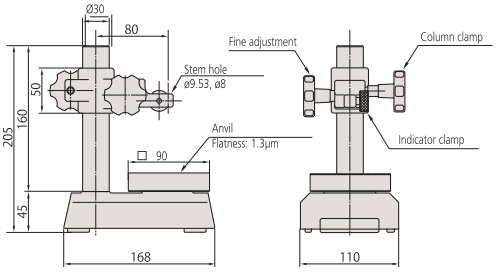
7007-10

215-405-10

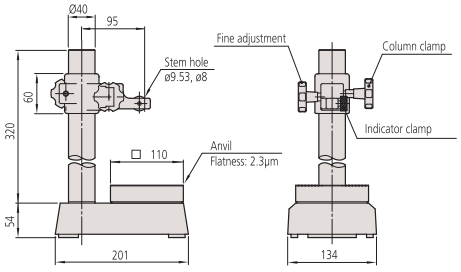


215-505-10

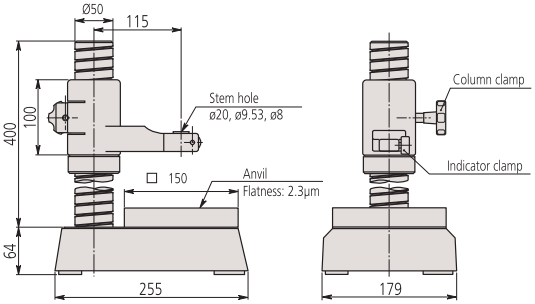
No.	Effective table dimensions [mm]	Column Ø [mm]	Max. measurement height [mm]	Fine adjustment	Stem hole ø	Perpendicularity table-stem hole [mm/mm]	Table flatness	Mass [kg]
7007-10	90 x 90	30	90	1 mm	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	0,4/100	1,3 µm	5
215-405-10	110 x 110	40	235	1 mm	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	0,4/100	2,3 µm	10,9
215-505-10	150 x 150	50	275	Screw on column	ø 20 mm, ø 3/8" / **9,53 mm**, 8 mm with bush (standard accessory)	0,4/100	2,3 µm	19,7



7007-10



215-405-10



215-505-10

Standard accessories

No.	Description
21JAA316	Stem Bush for Gauge Stand, 9,53mm to 8mm
21JAA329	Stem Bush for Gauge Stand, 20mm to 8mm
21JAA330	Stem Bush for Gauge Stand, 20mm to 9,53mm

21JAA316 only for 7007-10 + 215-405-10
21JAA329 and 21JAA330 only for 215-505-10

Optional accessories

No.	Description
21JAA331	Stem Bush for Gauge Stand, 20mm to 15mm

21JAA331 : only for 215-505-10

Gauge Stands with Hardened Steel Anvils

Series 913

Standard version

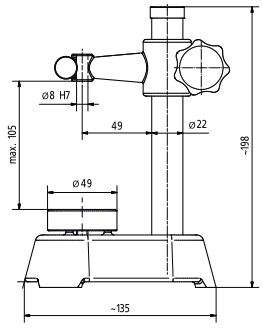
- Simple standard version.

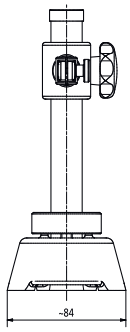
Optional accessories

No.	Description
913-201	Horizontal Holder, for 913-101, 913-102

913-201

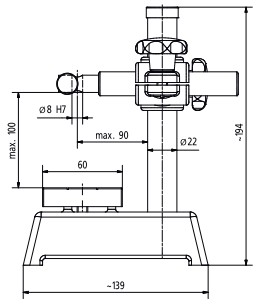
913-101

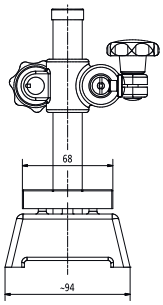




913-101

913-102





913-102

No.	Effective table dimensions [mm]	Column Ø [mm]	Max. measurement height [mm]	Stem hole ø	Mass [kg]
913-101	ø 50	22	100	8 mm	2,3
913-102	60 x 70	22	100	8 mm	3,6

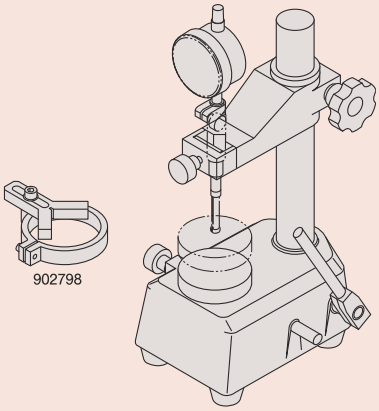
Stands for Precision Bore Gauges

Series 215

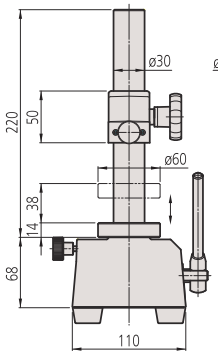
- For efficient measurement of multiple small holes with a bore gauge Series 526

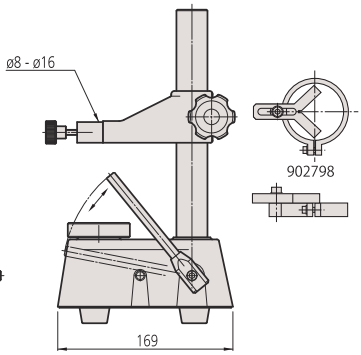
Optional accessories

No.	Description
902798	V-Attachment for 215-120-10, Stand for Bore Gauge



215-120-10





No.	Maximum measuring height [mm]	Measuring stroke [mm]	Effective table dimensions [mm]	Mass [kg]
215-120-10	110	max.38	Ø 60	6,5

Mitutoyo

Gauge Stands with Granite Bases

Series 912

This gauge stand with granite base offers you the following benefits:

- The base is made of granite and stays free of burrs due to its fine grain composition and the base will stay free of corrosion

912-101

No.	Base size [mm]	Effective table dimensions [mm]	Column Ø [mm]	Max. measurement height [mm]	Throat [mm]	Arm ø [mm]	Stem hole ø	Table flatness	Mass [kg]
912-101	150 x 100 x 40	100 x 100	16	180	150	16	8 mm	2 µm	3

Series 912

This gauge stand with granite base offers you the following benefits:

- The base is made of granite that stays free of burrs due to its fine grain composition and the base will stay free of corrosion

912-105

No.	Base size [mm]	Effective table dimensions [mm]	Column Ø [mm]	Max. measurement height [mm]	Throat [mm]	Fine adjustment [mm]	Stem hole ø	Table flatness	Mass [kg]
912-105	260 x 140 x 50	200 x 140	35	180	120	8	8 mm	2 µm	9,5

Gauge Stands with Granite Bases

Series 215

This gauge stand with granite base offers you the following benefits:

- The base is made of granite that stays free of burrs due to its fine grain composition and the base will stay free of corrosion

Standard accessories

No.	Description
21JAA316	Stem Bush for Gauge Stand, 9,53mm to 8mm
21JAA329	Stem Bush for Gauge Stand, 20mm to 8mm
21JAA330	Stem Bush for Gauge Stand, 20mm to 9,53mm

21JAA316 for 215-150-10, 215-151-10, 215-153-10
21JAA329 and 21JAA330 for 215-156-10

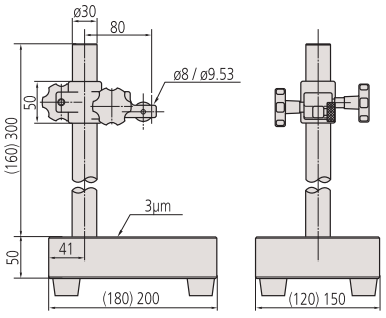
Optional accessories

No.	Description
21JAA331	Stem Bush for Gauge Stand, 20mm to 15mm

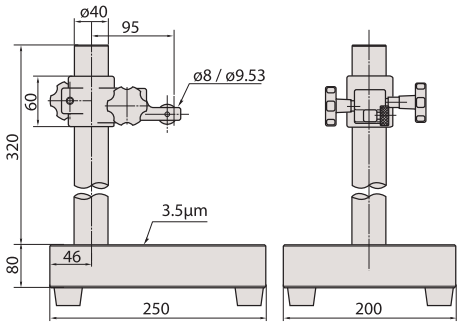
only for 215-156-10

215-150-10

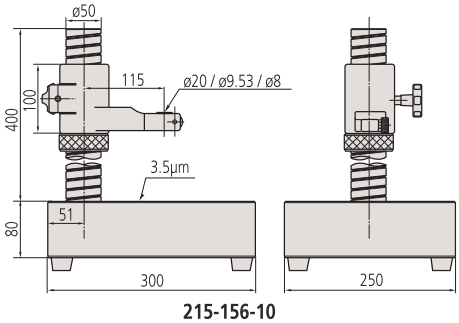
No.	Column Ø [mm]	Max. measure-ment height [mm]	Fine ad-justment [mm]	Stem hole ø	Table flatness	Perpendicu-larity table-stem hole [mm/mm]	Mass [kg]
215-150-10	30	120	1	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	3 µm	0,2/100	5,4
215-151-10	30	260	1	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	3 µm	0,2/100	7,5
215-153-10	40	250	1	ø 3/8" / **9,53 mm** , 8 mm with bush (standard accessory)	3,5 µm	0,2/100	16
215-156-10	50	300	1	ø 20 mm, ø 3/8" / **9,53 mm** 8 mm with bush (standard accessory)	3,5 µm	0,2/100	27,5



215-151-10 (215-150-10)



215-153-10



215-156-10

Mitutoyo

Jointed Magnetic Stands

Series 011

- With mechanical locking system and fine adjustment
- Allows a dial indicator to be fixed in any position.

011533

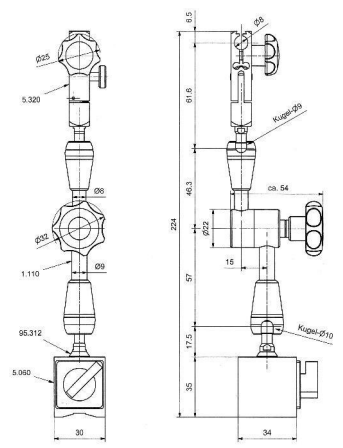
011358

011359

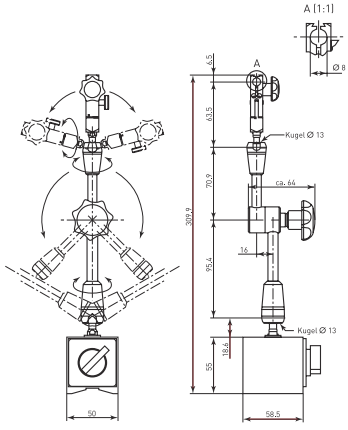
011360

No.	Clamping device	Clamping force (vertical) [N]	Base size (LxWxH)	Total height [mm]	Fine adjustment
011533	magnetic	300	36 x 30 x 35 mm	220	with fine feed wheel 1,3 mm/rotation
011358	magnetic	750	58,5 x 50 x 55 mm	310	with fine feed wheel 1,3 mm/rotation
011359	magnetic	750	58,5 x 50 x 55 mm	397	with fine feed wheel 1,3 mm/rotation
011360	magnetic	900	73 x 50 x 55 mm	517	with fine feed wheel 1,3 mm/rotation

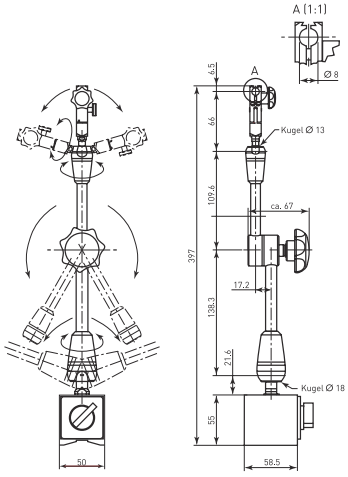
No.	Stem hole ø	Thread Arm/Base	Working radius [mm]	Mass [kg]
011533	8 mm, dovetail	M6 x 1	130	0,45
011358	8 mm, dovetail	M8 x 1,25	200	1,55
011359	8 mm, dovetail	M8 x 1,25	280	1,85
011360	8 mm, dovetail	M8 x 1,25	400	2,1



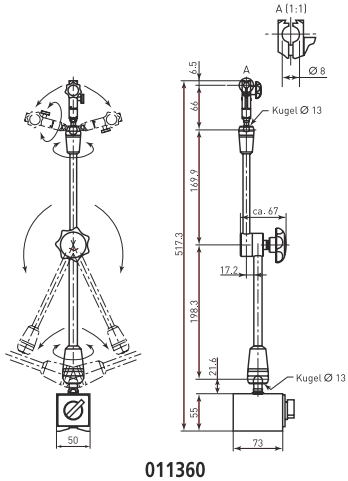
011533



011358



011359



011360

Jointed Magnetic Stands

Series 7

This jointed magnetic stand offers you the following benefits:

- It comes with a mechanical locking system and allows fine adjustment.
- You can also fix a dial indicator in any position by mechanically clamping the articulated arm.

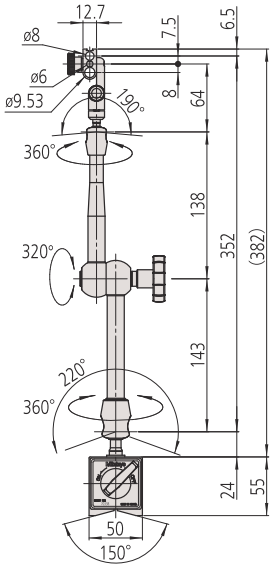
7031-10

7032-10

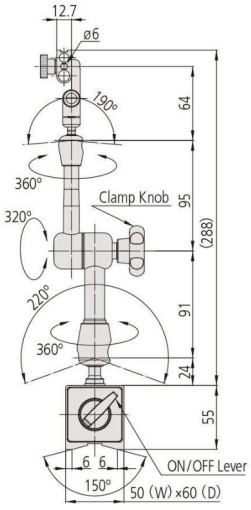
7033-10

No.	Clamping device	Clamping force (vertical) [N]	Base size (LxWxH)	Total height [mm]
7031-10	magnetic	300	36 x 30 x 36 mm	214
7032-10	magnetic	600	59 x 50 x 55 mm	345
7033-10	magnetic	600	59 x 50 x 55 mm	425

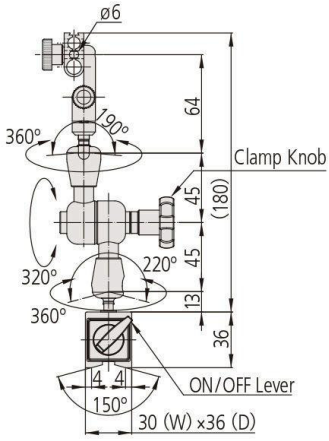
No.	Fine adjustment	Stem hole ø	Thread Arm/Base	Working radius [mm]	Mass [kg]
7031-10	with fine feed wheel ±4°	6 mm, 8 mm, 9,53 mm, dovetail	M5 x 0,8	154	0,59
7032-10	with fine feed wheel ±4°	6 mm, 8 mm, 9,53 mm, dovetail	M8 x 1,25	250	1,6
7033-10	with fine feed wheel ±4°	6 mm, 8 mm, 9,53 mm, dovetail	M8 x 1,25	346	1,75



7033-10



7032-10



7031-10

Mitutoyo

Flexible Jointed Arms

Arms without magnetic base

011361
Dimensions : see 011358

011362
Dimensions : see 011359

011363
Dimensions: see 011360

No.	Stem hole ø	Working radius [mm]	Mass [g]
63AAA130	8 mm, dovetail	Approx. 130	270
21JZA331	6, 8 mm, 3/8" (9,53 mm), dovetail	Approx. 154	380
011361	8 mm, dovetail	Approx. 200	400
21JZA332	6, 8 mm, 3/8" (9,53 mm), dovetail	Approx. 250	610
011362	8 mm, dovetail	Approx. 280	800
21JZA333	6, 8 mm, 3/8" (9,53 mm), dovetail	Approx. 346	830
011363	8 mm, dovetail	Approx. 400	900

Bases

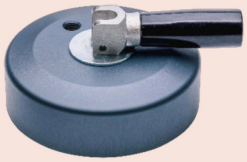
Magnetic and pneumatic bases witout arm

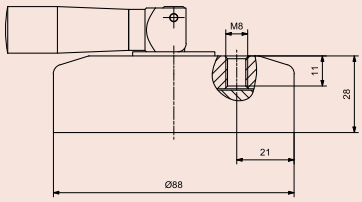
63AAA470

7013-10

011364

No.	Clamping device	Clamping force (vertical) [N]	Base size (LxWxH)	Thread Arm/Base	Mass [g]
63AAA470	magnetic	300	36 x 30 x 35 mm	M6 x 1	200
63AAA131	magnetic	750	58,5 x 50 x 55 mm	M8 x 1,25	980
7013-10	magnetic	600	58,5 x 50 x 55 mm	M8 x 1,25	990
011364	magnetic	900	73 x 50 x 55 mm	M8 x 1,25	1260
63AAA671	pneumatic	300	D= 88 mm	M8 x 1,25	360





63AAA671

Application of the pneumatic base 63AAA671on a granite plate with indicator and flexible jointed arm (optional)

Magnetic Stands

Series 7

- V-block base type.

Standard accessories

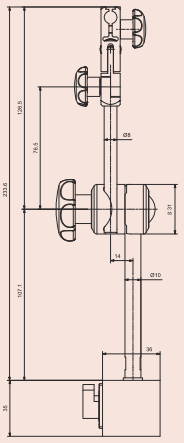
No.	Description
02AZC291	Stem Bush for Magnet Stand, 9,53mm to 8mm

for 7010S-10, 7011S-10, 7015-10

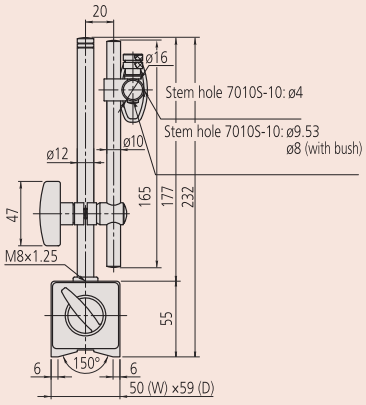
Optional accessories

No.	Description
02AZC282	Cross arm for Magnet Stand, 300mm

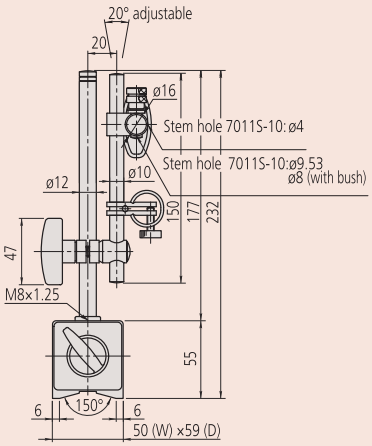
for 7010S-10, 7011S-10, 7015-10



63AAA670



7010S-10



7011S-10

63AAA670

7010S-10

7011S-10

7015-10

No.	Clamping device	Clamping force (vertical) [N]	Base size (LxWxH)	Total height [mm]	Fine adjustment	Stem hole ø	Working radius [mm]	Thread Arm/Base	Mass [kg]
63AAA670	magnetic	300	36 x 30 x 35 mm	234	with fine feed wheel 1,3 mm/ rotation	8 mm, dove-tail	110	M6 x 1	0,47
7010S-10	magnetic	600	59 x 50 x 55 mm	232	None	3/8" / 9,53 mm, 4 mm, 8 mm (with stem bush)	165	M8 x 1,25	1,38
7011S-10	magnetic	600	59 x 50 x 55 mm	232	with fine adjustment knob	3/8" / 9,53 mm, 4 mm, 8 mm (with stem bush)	150	M8 x 1,25	1,49
7015-10	magnetic	600	59 x 50 x 55 mm	232	with fine feed wheel +-4°	3/8" / 9,53 mm, 6 mm, 8 mm (with stem bush)	170,5	M8 x 1,25	1,37

With fine feed wheel (63AAA670, 7015-10).

With fine adjustment knop (7011S-10).

Mitutoyo

Magnetic Stands

Series 7

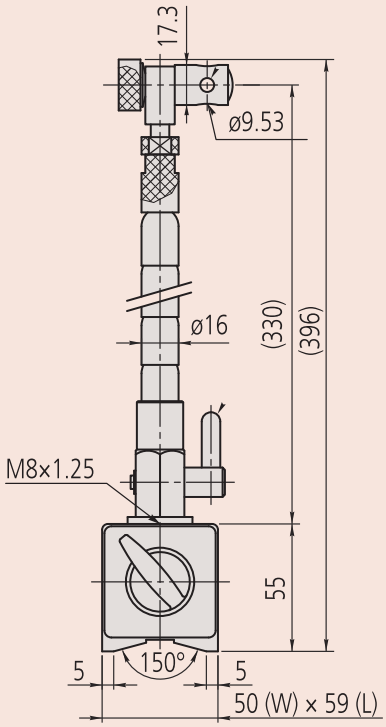
With V-block base and flexible arm.

7012-10

No.	Clamping device	Clamping force (vertical) [N]	Base size (LxWxH)	Total height [mm]	Stem hole ø	Thread Arm/ Base	Mass [kg]
7012-10	magnetic	600	59 x 50 x 55 mm	396	6 mm, 3/8" / 9,53 mm, 8 mm (with stem bush)	M8 x 1,25	1,5

Standard accessories

No.	Description
02AZC291	Stem Bush for Magnet Stand, 9,53mm to 8mm



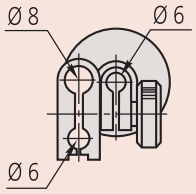
Series 7

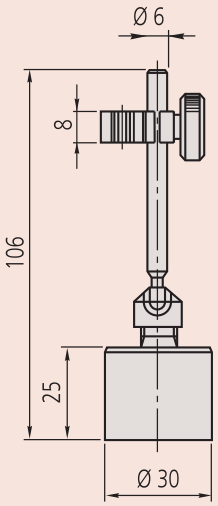
This is a mini type of magnetic stand that offers you the following benefits:

- Mini measuring stand without magnet ON/OFF.
- It is designed to accept dial test indicators with 6 mm or 8 mm diameter stems, or dovetail.

7014-10

No.	Clamping device	Clamping force (vertical) [N]	Base size [mm]	Total height [mm]	Stem hole ø	Working radius [mm]	Mass [g]
7014-10	magnetic	150	ø 30	106	6 mm, 8 mm, dove-tail	68	170

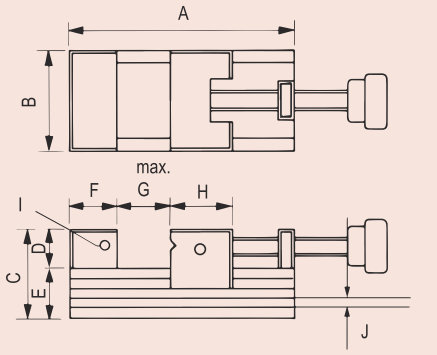




Precision Vices

Specifications

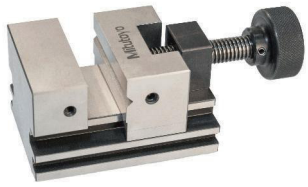
Parallelism	0,002 mm / 100 mm
Squareness	0,005 mm / 100 mm



930-602

Series 930

- It is made of tool steel, hardened and precision ground.
- It has a horizontally ground V-groove in the moveable jaw.



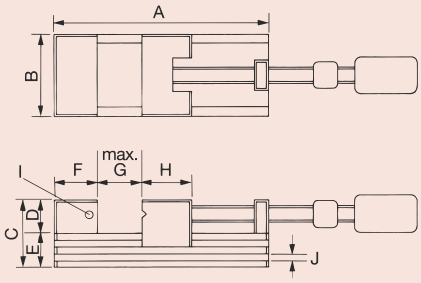
930-611

930-602

No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J H x D [mm]	Mass [kg]
930-611	90	60	50	25	25	25	30	30	M5	6 x 6	1,6
930-601	160	70	62	30	32	33	80	45	M6	7 x 7	4
930-602	210	90	80	40	40	40	120	50	M6	8 x 7	7,6
930-612	285	120	90	40	50	55	150	70	M6	10 x 7	17,4

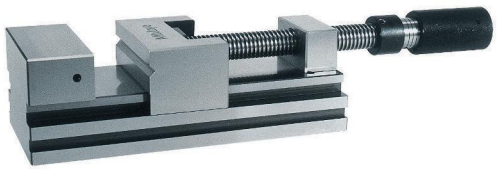
Specifications

Parallelism	0,002 mm / 100 mm
Squareness	0,03 mm / 100 mm



Series 930

- It is made of tool steel, hardened and precision ground.
- With hydraulic system for max. clamping force of 14,7 kN.
- It has a horizontally ground V-groove in the movable jaw.

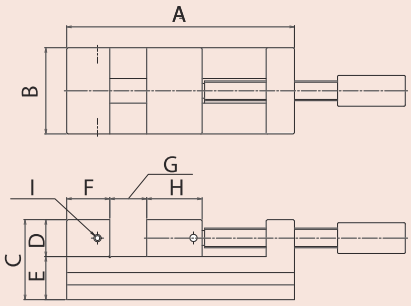


930-616

No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J H x D [mm]	Mass [kg]
930-616	285	120	90	40	50	55	150	70	M6	10 x 7	17,7

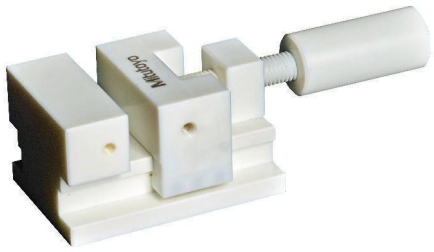
Specifications

Parallelism	0,02 mm
Squareness	0,03 mm (930-641), 0,05 mm (930-642)



Series 930

- It is made of PET plastics, light weight, and protecting workpieces from scratches.



930-641

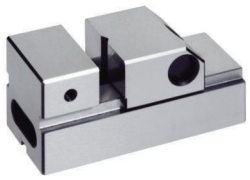
No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	Mass [g]
930-641	90	60	50	25	25	25	30	30	M5	350
930-642	160	70	62	30	32	33	80	45	M6	700

Precision Vices

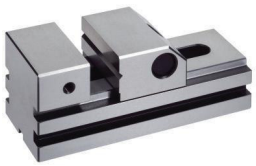
Series 930

This precision vice has a pull-down clamping action and offers you the following benefits:

- It gives you high accuracy for precision grinding, milling, measuring and eroding.
- It is made of tool steel, hardened and precision ground.



930-630



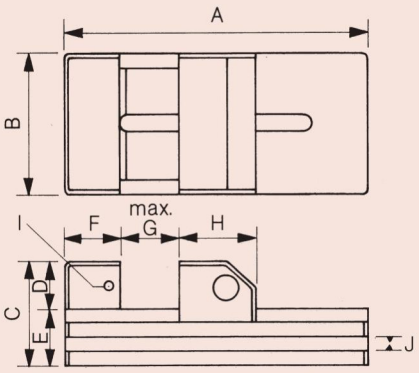
930-631

930-607

930-632

Specifications

Parallelism	0,002 mm / 100 mm
Squareness	0,005 mm / 100 mm

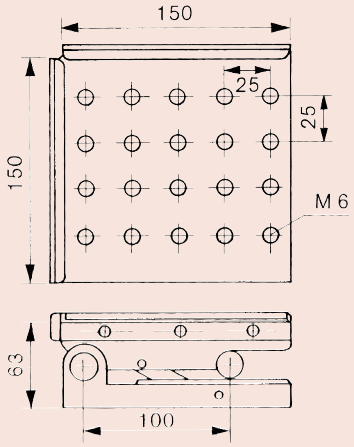


No.	Remarks	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J H x D [mm]	Mass [kg]
930-606	V-groove (moveable jaw) vertical and horizontal	160	70	62	30	32	33	80	45	M6	8 x 7	3
930-607	V-groove (moveable jaw) vertical and horizontal	210	90	80	40	40	40	120	50	M6	10 x 7	5,8
930-630	V-groove (moveable jaw) vertical	75	34	35	15	20	20	25	30	M4	Ø 8 x 4	0,38
930-631	V-groove (moveable jaw) horizontal	110	45	45	20	25	25	50	35	M5	6 x 6	1
930-632	V-groove (moveable jaw) horizontal	285	120	90	40	50	60	150	70	M6	12 x 7	13,5
930-633	V-groove (moveable jaw) none	370	175	95	45	50	60	200	110	M8	12 x 10	28,7

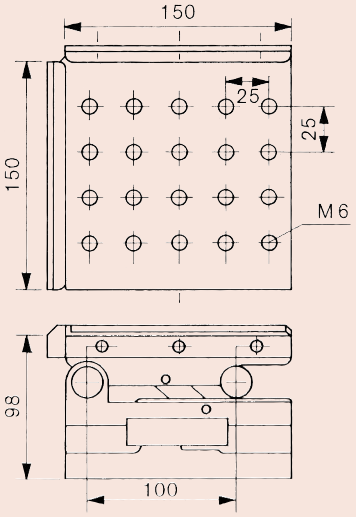
Precision Sine Plates

Series 930

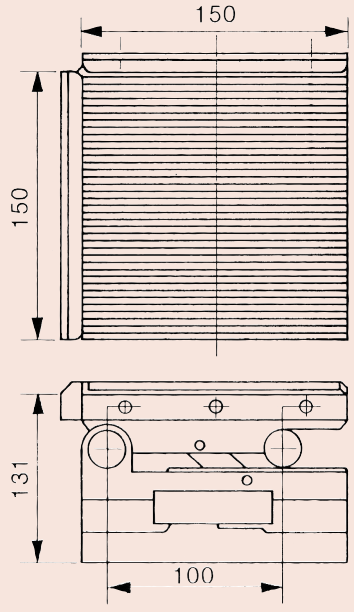
- Sine bar style of auxiliary plate.
- It is made of tool steel, hardened and precision ground.
- Accurate angle setting is made by gauge blocks, max. 45°.
- 930-626 Workpiece can be fixed on plate surface by tap holes and stoppers on side.
- 930-628 and 930-629 can set the angle at two directions which go straight angularly.
- 930-629 Permanently magnet chuck is adapted.



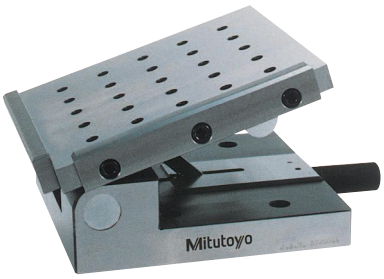
930-626



930-628



930-629



930-626

930-628

930-629

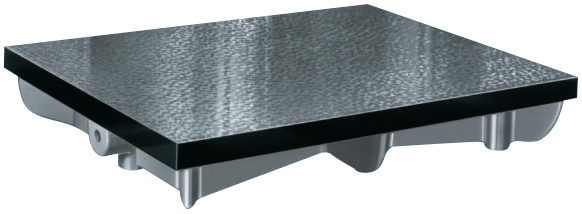
No.	Parallelism	Squareness	Remarks	Setting accuracy at 45°	Mass [kg]
930-626	0,002 mm / 100 mm	0,005 mm / 100 mm	With M6 clamping holes	±15"	7,6
930-628	0,002 mm / 100 mm	0,005 mm / 100 mm	Compound-axis type with angle in two directions With M6 clamping holes	±15"	11,3
930-629	0,002 mm / 100 mm	0,005 mm / 100 mm	Coumpound-axis type With lever-operated magnetic chuck	±15"	16,5

Mitutoyo

Cast Iron Surface Plates

Series 902

- A ribbed design gives you rigidity with minimum weight, and a special cast iron confers a high degree of wear resistance.
- The suface of the plate is scraped.



902-304

No.	Dimensions L x W x H [mm]	Accuracy	Mass [kg]
902-301	300 x 300 x 85	According to DIN 876; Grade 1 : fine scraped	15
902-302	400 x 400 x 90	According to DIN 876; Grade 1 : fine scraped	35
902-303	500 x 400 x 100	According to DIN 87; Grade 1 : fine scraped	40
902-304	600 x 500 x 120	According to DIN 876; Grade 1 : fine scraped	65
902-305	800 x 500 x 140	According to DIN 876; Grade 1 : fine scraped	95
902-306	1000 x 750 x 170	According to DIN 876; Grade 1 : fine scraped	210
902-101	300 x 300 x 85	According to DIN 876; Grade 3 : fine planed	15
902-102	400 x 400 x 90	According to DIN 876; Grade 3 : fine planed	35
902-103	500 x 400 x 100	According to DIN 876; Grade 3 : fine planed	40
902-104	600 x 500 x 120	According to DIN 876; Grade 3 : fine planed	65
902-105	800 x 500 x 140	According to DIN 876; Grade 3 : fine planed	95
902-106	1000 x 750 x 170	According to DIN 876; Grade 3 : fine planed	210

Granite Squares 90°

Series 972

- It is made of natural hard stone, with two sides precision ground.

Mitutoyo guarantees the product quality. PROPRIETARY INSPECTION CERTIFICATE Mitutoyo guarantees the product quality.

972-106

No.	Length [mm]	Width [mm]	Accuracy	Delivered	Mass [kg]
972-106	300 x 200	50	Perpendicularity: DIN 875 Flatness: DIN 876 Grade 00	With certificate of inspection	6,5
972-107	400 x 250	50	Perpendicularity: DIN 875 Flatness: DIN 876 Grade 00	With certificate of inspection	10
972-108	500 x 300	60	Perpendicularity: DIN 875 Flatness: DIN 876 Grade 00	With certificate of inspection	17
972-109	600 x 400	70	Perpendicularity: DIN 875 Flatness: DIN 876 Grade 00	With certificate of inspection	30

Optional accessories

No.	Description
902-930	Stand (Angle Steel), for Cast Iron Plate 800x500x140mm
902-931	Stand (Angle Steel), for Cast Iron Plate 1000x750x170mm

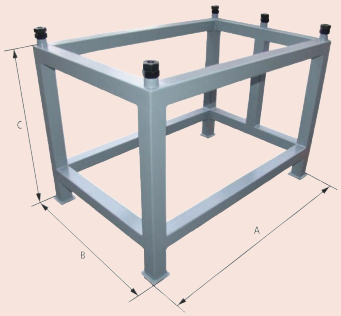
Stand for Series 902
Only available for
902-305, 902-306, 902-105, 902-106

Granite Surface Plates DIN 876

Specifications

Hardness	HV 850-900
Flexural strength	13-22 N/mm²
Compressive strength	Approx. 280 N/mm²
Coefficient of thermal expansion	(5 to 7,5) x 10^{-6} x K^{-1}

Granite plate and stand (optional)



Dimensions for stand

Series 901

- Surface diamond lapped, side face fine ground, backside fine sawn.
- The optional stand is a welded construction including 3 or 5-point bearings and two adjusting screws.
- Delivered with a certificate of inspection

Mitutoyo guarantees the product quality. PROPRIETARY INSPECTION CERTIFICATE

1. Accuracy Grade 00

No.	Dimensions L x W x H [mm]	Accuracy	Max. workpiece load [kg]	Mass [kg]
901-131	400 x 250 x 50	DIN 876 grade 00	50	15
901-132	400 x 400 x 50	DIN 876 grade 00	60	25
901-133	630 x 400 x 70	DIN 876 grade 00	65	53
901-134	630 x 630 x 70	DIN 876 grade 00	75	83
901-135	1000 x 630 x 100	DIN 876 grade 00	150	189
901-136	1000 x 1000 x 100	DIN 876 grade 00	250	300
901-137	1200 x 800 x 160	DIN 876 grade 00	600	460
901-138	1600 x 1000 x 160	DIN 876 grade 00	650	768
901-139	2000 x 1000 x 220	DIN 876 grade 00	750	1.320

2. Accuracy Grade 0

No.	Dimensions L x W x H [mm]	Accuracy	Max. workpiece load [kg]	Mass [kg]
901-121	400 x 250 x 50	DIN 876 grade 0	100	15
901-122	400 x 400 x 50	DIN 876 grade 0	120	25
901-123	630 x 400 x 70	DIN 876 grade 0	130	53
901-124	630 x 630 x 70	DIN 876 grade 0	150	83
901-125	1000 x 630 x 100	DIN 876 grade 0	300	189
901-126	1000 x 1000 x 100	DIN 876 grade 0	500	300
901-127	1200 x 800 x 160	DIN 876 grade 0	1.200	460
901-128	1600 x 1000 x 160	DIN 876 grade 0	1.300	768
901-129	2000 x 1000 x 220	DIN 876 grade 0	1.500	1.320

3. Accuracy Grade 1

No.	Dimensions L x W x H [mm]	Accuracy	Max. workpiece load [kg]	Mass [kg]
901-111	400 x 250 x 50	DIN 876 grade 1	100	15
901-112	400 x 400 x 50	DIN 876 grade 1	120	25
901-113	630 x 400 x 70	DIN 876 grade 1	130	53
901-114	630 x 630 x 70	DIN 876 grade 1	150	83
901-115	1000 x 630 x 100	DIN 876 grade 1	300	189
901-116	1000 x 1000 x 100	DIN 876 grade 1	500	300
901-117	1200 x 800 x 160	DIN 876 grade 1	1.200	460
901-118	1600 x 1000 x 160	DIN 876 grade 1	1.300	768
901-119	2000 x 1000 x 220	DIN 876 grade 1	1.500	1.320

4. Accuracy Grade 2

No.	Dimensions L x W x H [mm]	Accuracy	Max. workpiece load [kg]	Mass [kg]
901-101	400 x 250 x 50	DIN 876 grade 2	100	15
901-102	400 x 400 x 50	DIN 876 grade 2	120	25
901-103	630 x 400 x 70	DIN 876 grade 2	130	53
901-104	630 x 630 x 70	DIN 876 grade 2	150	83
901-105	1000 x 630 x 100	DIN 876 grade 2	300	189
901-106	1000 x 1000 x 100	DIN 876 grade 2	500	300
901-107	1200 x 800 x 160	DIN 876 grade 2	1.200	460
901-108	1600 x 1000 x 160	DIN 876 grade 2	1.300	768
901-109	2000 x 1000 x 220	DIN 876 grade 2	1.500	1.320

Stand

No.	A [mm]	B [mm]	C [mm]	Mass [kg]
901-931	550	350	770	22
901-932	550	550	770	25
901-933	750	550	740	28
901-934	750	750	740	30
901-935	900	600	680	30
901-936	1050	750	680	35
901-937	1450	750	620	40

Mitutoyo

Universal Bevel Protractors

Series 187

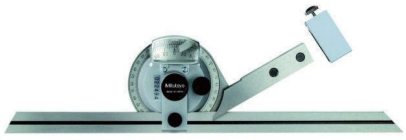
This universal bevel protector offers you the following benefits:

- Its high-precision angle gauge enables you to take accurate angle measurements of machines, moulds and jigs.
- You can attach it to height gauges.

187-201

187-901-10

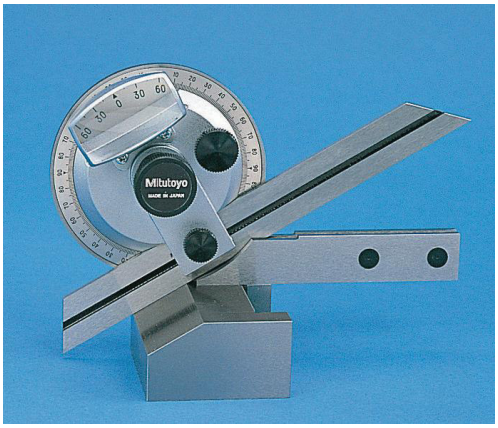
187-907-10



187-908-10
with height gage holder

Metric

No.	Graduation	Blade edge angle	Blade length	Mass [g]
187-201	5 ' (0° - 90° - 0°)	30°, 60° edges	137 mm	212
187-901-10	5 ' (0° - 90° - 0°)	60°, 45°, 30° edges	150, 300 mm	390
187-907-10	5 ' (0° - 90° - 0°)	60°, 45° edges	150 mm	284
187-908-10	5 ' (0° - 90° - 0°)	60°, 45° edges	300 mm	318



Specifications

Delivered	In a box

Standard accessories

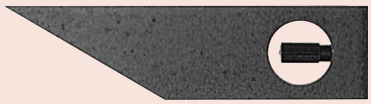
No.	Description
187-106	Steel Rule, **150mm**/6", Metric/Inch
187-107	Steel Rule, **300mm**/12", Metric/Inch
950750	Holder for Mounting on Height Gauges, Metric, Series 187
187-105	Acute angle attachment, for Series 187

187-106 for 187-901-10, 187-907-10
187-107 for 187-901-10, 187-908-10
950750 for Height Gauge with 9x 9 mm scriber shaft
for 187-901-10, 187-907-10, 187-908-10
187-105 for 187-201 and 187-901-10

187-106

187-107

950750



187-105

Digimatic Universal Protractors

Functions	Series 187
ON/OFF	●
DATA (output with cable) / HOLD (display value)	●
Data output	●
ZERO SET	●
PRESET	●
Angle sexagesimal/decimal	●

Specifications

Power supply	1 battery CR-2032
Max. permissible error	2' (0,03°)
Repeatability	1' (0,01°)
Battery life	Approx. 2000 hours
Display	LCD with character height 6,5 mm
Delivered	in a box including battery

Standard accessories

No.	Description
187-106	Steel Rule, **150mm**/6", Metric/Inch
187-107	Steel Rule, **300mm**/12", Metric/Inch
950750	Holder for Mounting on Height Gauges, Metric, Series 187

187-106 for 187-501
187-107 for 187-502
950750 for 187-501, 187-502

Optional accessories

No.	Description
905338	Digimatic Cable, Flat Straight Type, 1 m
905409	Digimatic Cable, Flat Straight Type, 2 m
06AFM380F	USB Input Tool Direct (Digimatic to USB), 2m Cable, Digimatic/Digimatic 2, Flat Straight Type
02AZD880G	U-WAVE-T, Buzzer Type, Wireless Transmitter
02AZD730G	U-WAVE-T, IP67 Type, Wireless Transmitter
02AZD790F	Connection Cable F for U-WAVE, Straight, without Data Button
187-105	Acute angle attachment, for Series 187

Consumable spares

No.	Description
05SAA217D	Lithium battery CR-2032, 1 pcs.

950750

Series 187

This is a Digimatic Universal Protractor with data output that offers you the following features:

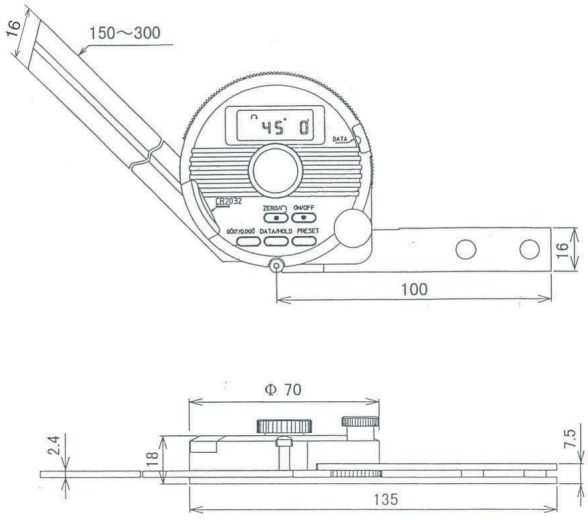
- It has an easy-to-read digital display.
- It automatically turns off after 10 minutes, and gives you fixed reference points for easy adjustment.
- You can slide and clamp the measuring blade over the entire length.
- You can make fine adjustments to precisely adjust arbitrary angle dimensions.
- It comes with a mounting facility on height gauges and tracers of series 192 via holder.

187-501

187-502

Metric

No.	Digital step	Blade length	Mass [g]
187-501	1' (0,01°)	150 mm	624
187-502	1' (0,01°)	300 mm	662



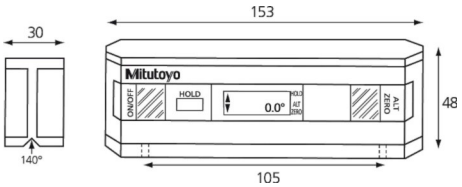
Mitutoyo

Digital Precision Levels

Series 950

This Digital Precision Level offers you the following benefits:
- You can measure flatness, squareness and angularity.
- Precision support surfaces in aluminium frame provide you with high rigidity and low weight.

950-318



Distance between two M 3 x 0,5 mm Mounting holes

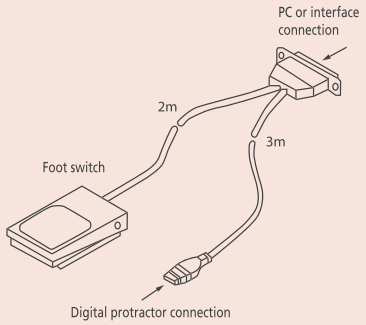
No.	Max. permissible error (degrees)	Repeatability (degrees)	Data output	Sensitivity (degrees)	Mass [kg]
950-317	Horizontal : 0,1 Vertical : 0,2	0,1		0,1	0,3
950-318	0,05 (0 to 10) 0,1 (80 to 90) 0,2 (10 to 80)	0,05	●	0,01 (0 to 9,99) 0,1 (10 to 90)	0,3

Specifications

Range	360° (4 x 90°)
Power supply	Standard battery (9 V) 6LR61
Battery life	Approx. 500 hours
Delivered	Including box

Optional accessories

No.	Description
50AAA983A	RS-232C Output Cable, for series 950



90° Steel Squares

Series 916

This 90° Steel Square offers you the following benefits:
- Three types of square are available.
- It is hardened, and has precision ground edges.

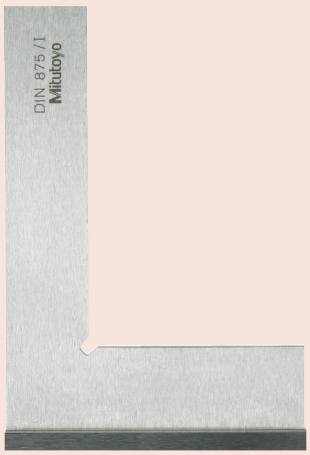
Try square

No.	Length [mm]	Cross section	Accuracy	Grade	Remarks	Mass [g]
916-222	75x50	15x5	According to DIN 875	1	steel	85
916-223	100x70	20x5	According to DIN 875	1	steel	130
916-224	150x100	25x5	According to DIN 875	1	steel	270
916-225	200x130	30x6	According to DIN 875	1	steel	585
916-226	250x165	35x7	According to DIN 875	1	steel	840
916-227	300x200	40x8	According to DIN 875	1	steel	1300
916-232	75x50	15x5	According to DIN 875	2	steel	85
916-233	100x70	20x5	According to DIN 875	2	steel	130
916-234	150x100	25x5	According to DIN 875	2	steel	270
916-235	200x130	30x6	According to DIN 875	2	steel	530

Try square with shoulders

No.	Length [mm]	Cross section	Accuracy	Grade	Remarks	Mass [g]
916-321	75x50	15x5	According to DIN 875	1	steel	60
916-322	100x70	20x5	According to DIN 875	1	steel	180
916-323	150x100	25x5	According to DIN 875	1	steel	400
916-324	200x130	30x6	According to DIN 875	1	steel	675
916-325	250x165	35x7	According to DIN 875	1	steel	1185
916-326	300x200	40x8	According to DIN 875	1	steel	1730
916-332	100x70	20x5	According to DIN 875	2	steel	180
916-333	150x100	25x5	According to DIN 875	2	steel	365
916-334	200x130	30x6	According to DIN 875	2	steel	790
916-335	250x165	35x7	According to DIN 875	2	steel	1320

Try square



Try square with shoulders

Feeler Gauges

Series 184 - Feeler Gauge

This feeler gauge is ideal for a variety of measuring tasks and offers you the following benefits:

- Size clearly stamped on each leaf
- Leaves are easy to remove and can be individually locked open.

184-303S

184-304S

184-308S

Metric

No.	Range	Accuracy	Number of leaves	Leaf length [mm]	Mass [g]
184-301S	0,05-0,3 mm by 0,05 mm, 0,4-1 mm by 0,1 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	13	150	121
184-302S	0,03-0,1 mm by 0,01 mm, 0,2-0,5 mm by 0,1 mm, 0,15 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	13	150	67
184-303S	0,05-0,15 mm by 0,01 mm, 0,2-1 mm by 0,05 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	28	150	195
184-304S	0,05-1 mm by 0,05 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	20	150	184
184-305S	0,05-0,3 mm by 0,05 mm, 0,4-1 mm by 0,1 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	13	100	82
184-306S	0,05-0,2 mm by 0,05 mm, 0,3-0,8 mm by 0,1 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	10	100	62
184-307S	0,03-0,1 mm by 0,01 mm, 0,2-0,5 mm by 0,1 mm, 0,15 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	13	100	47
184-308S	0,05-0,2 mm by 0,05 mm, 0,3-0,8 mm by 0,1 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	10	150	91
184-313S	0,05-0,15 mm by 0,01 mm, 0,2-1 mm by 0,05 mm	0,03-0,15 mm: ±0,005 mm, 0,2- 0,5 mm: ±0,012 mm, 0,55-1 mm: ±0,02 mm	28	100	129

Knife Edge Straight Edge

Series 528

This Knife Edge Straight Edge offers you the following benefits:
- Its straight edges are especially suited to testing the flatness of surfaces.
- It has a hardened, ground and micro lapped measuring edge.

Series 528

No.	Cross section	Section	Accuracy	Length [mm]	Mass [g]
528-100	25 x 6 mm	60°	DIN 874-2	50	40
528-101	25 x 6 mm	60°	DIN 874-2	75	50
528-102	25 x 6 mm	60°	DIN 874-2	100	60
528-110	25 x 6 mm	60°	DIN 874-2	125	80
528-103	25 x 6 mm	60°	DIN 874-2	150	100
528-104	25 x 6 mm	60°	DIN 874-2	200	190
528-105	32 x 7 mm	60°	DIN 874-2	300	370
528-106	40 x 8 mm	60°	DIN 874-2	400	1080
528-107	50 x 10 mm	60°	DIN 874-2	500	1400

Steel Rules

Series 182

These are rigid and fully-flexible rules that offer you the following benefits:
- They have clear graduations on satin-chrome finish.
- The rules are stainless tempered.

182-211

182-131

Metric — Fully-flexible rule

No.	Range [mm]	Graduation	Accuracy	Width	Thickness	Mass [g]
182-211	0 - 150	1 mm / 0,5 mm (on both faces)	±0,15 mm	12 mm	0,4 mm	5
182-231	0 - 300	1 mm / 0,5 mm (on both faces)	±0,15 mm	12 mm	0,4 mm	10
182-251	0 - 450	1 mm / 0,5 mm (on both faces)	±0,15 mm	19 mm	0,4 mm	130
182-271	0 - 600	1 mm / 0,5 mm (on both faces)	±0,2 mm	19 mm	0,4 mm	90

Metric — Wide rigid rule

No.	Range [mm]	Graduation	Accuracy	Width	Thickness	Mass [g]
182-111	0 - 150	1 mm / 0,5 mm (on both faces)	±0,15 mm	19 mm	1,2 mm	27
182-131	0 - 300	1 mm / 0,5 mm (on both faces)	±0,15 mm	25 mm	1,2 mm	72
182-151	0 - 450	1 mm / 0,5 mm (on both faces)	±0,15 mm	30 mm	1,2 mm	130
182-171	0 - 600	1 mm / 0,5 mm (on both faces)	±0,2 mm	30 mm	1,2 mm	175