

Measuring & Marking



Measuring & Marking

OUTLETS NATIONWIDE

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Measuring & Marking

Solutions for every aspect of measuring and marking for professionals in any business.

All products are accurate to international specifications and carry our comprehensive warranty and lifetime replacement policy.



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Tapes & Rules



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POWER TAPE - SOFT GRIP WITH AUTOLOCK

- Magnetic hook
- Non-slip grip rubber case is robust and impact resistant
- Automatic blade lock (BLADE LOCKS ITSELF WHEN PULLED OUT)
- Push button retrieval
- Chrome belt clip



Code	Size
MTS4800	3m x 16mm
MTS4805	5m x 19mm
MTS4810	7.5m x 25mm
MTS4815	10m x 25mm



MEASURING TAPE - RUBBER

- Top stop secures tape in place
- Clearly marked blade with metric graduations
- Extra tough impact resistant ABS case with sure-grip rubber shroud
- Power return blade glides back into case automatically with smooth rewind action



Code	Size
RIC4167	3m x 13mm
RIC4170	5m x 19mm
RIC4180	7.5m x 25mm



TAPE - SHOX

- Positive brake action locks blade solidly in hand
- Sliding end hook ensures measurement starts at zero
- Easy grip rubber case with finger groove
- Tuff coat glare free blade



Code	Size	Ref	Code	Size	Ref
FRE2300	3m x 13mm	SH03	FRE2325	8m x 25mm	SH08
FRE2315	5m x 19mm	SH519	FRE2330	10m x 25mm	SH140
FRE2320	5m x 25mm	SH525			



MEASURING TAPE - ABS

- Expert quality, finely engineered tapes are renowned for reliability
- Extra tough impact resistant ABS case with belt clip and chrome look finish
- Power return blade glides back into case automatically with smooth rewind action
- Top stop secures tape in place
- Clearly marked blade with metric graduations



Code	Size
RIC4150	3m x 13mm
RIC4160	5m x 16mm



FLUORESCENT TAPE - EASILOK

- Green ABS case
- Click action stopper
- Dual marked - mm/inch



Code	Size
FRE2000	3m x 13mm
FRE2005	5m x 19mm

STANLEY TAPE MEASURE - XL FATMAX

- Armor coating on first 150mm of the blade reduces the risk of breaking by 95%
- Cushion grip provides sturdy slip resistant hold
- Standout of 4m for easy one person reading
- 32mm wide blade for easy number reading
- MYLAR® coated blade is up to 10x more resistant to abrasion



Code	Size	Ref
STA5944	5m x 32mm	33-887
STA5945	8m x 32mm	33-892
STA5947	10m x 32mm	33-897

- "True-Zero" for accurate inside and outside measurements
- Specially designed hook grabs on side, top or bottom for versatility
- Belt clip

STANLEY TAPE MEASURE - TYLON

- Blade BI-Material
- Compact and ergonomic bi material case
- Blade coated with Tylon TM giving greater durability and wear resistance
- Mat finish blade reduces glare/reflection for easy reading
- "True-Zero" hook for accurate inside and outside measurements
- Belt clip for easy storage



Code	Size	Ref
STA5956	3m x 13mm	0-30-607
STA5957	5m x 19mm	0-30-697
STA5958	8m x 25mm	0-30-657

STANLEY TAPE MEASURE - POWERLOCK

- Durable metal chrome plated case
- Unique MYLAR coating protects three colour blade graphics for up to 10x more life
- Automatic blade return with thumb operated lock
- New 3 rivet hook mounted on metal plate, eliminates hook breakage
- "True-Zero" hook for accurate inside and outside measurements
- Detachable steel belt clip



Code	Size	Ref
STA6000	3m x 13mm	33-218
STA6010	5m x 19mm	33-194
STA6030	8m x 25mm	33-168
STA5980	10m x 25mm	33-448

IRWIN MEASURING TAPE - PLASTIC CASE

- Sliding lock to secure blade
- Stand out 1.2m
- Acrylic blade coating
- 2 rivets and hooked end on tape



Code	Size	Ref.
IRW6600	3m x 13mm	10507784
IRW6610	5m x 19mm	10507785
IRW6620	8m x 25mm	10507786

IRWIN PROFESSIONAL TAPE - RUBBER CASE

- Fast lock to secure blade
- Stand out 1.4m
- Nylon blade coating twice durability of Acrylic blade coating
- Hook magnets + 2 rivets + 1 eyelet for multi-use with extra strength
- Double sided blade print for easy readability from all angles



Code	Ref.	Ref.
IRW6630	3m x 16mm	10507790
IRW6640	5m x 19mm	10507791
IRW6650	8m x 25mm	10507792

STANLEY TAPE MEASURE - TYLON REPLACEMENT BLADE

- Blade BI-Material
- Blade coated with Tylon TM giving greater durability and wear resistance
- Matt finish blade reduces glare/reflection for easy reading



Code	Size	Ref
STA6075	5m x 19mm	33-497S

ROSS DIAMETER TAPE

- Not suitable for linear measurements
- Specially graduated to give diameter of curved objects by measuring circumferences
- Read off from graduation portion the figures adjacent to zero line
- This is diameter of object being measured



Code	Size
RAB2890	2m x 6mm
RAB2900	3.5m x 13mm
RAB2902	5m x 19mm

MTS FIBREGLASS TAPE MEASURE - CLOSED FRAME

- 13mm wide tape
- PVC coated fibreglass
- Water & crease resistant
- Metric graduations
- Metal end hook
- Heavy duty winding mechanism
- Impact resistant plastic reel
- EEC class III accuracy



Code	Size
MTS4694	10m x 13mm
MTS4696	20m x 13mm
MTS4698	30m x 13mm
MTS4700	50m x 13mm

FREEMANS TAPE MEASURE - PLASTIC CASE

- Sturdy ABS case
- Heavy duty chrome plated winder
- Coated steel tape



Code	Size	Ref
FRE3025	10m x 13mm	SB-10
FRE3035	20m x 13mm	SB-20
FRE3040	30m x 13mm	SB-40

FREEMANS STEEL TAPE MEASURE - CLOSED FRAME

- Steel case
- Heavy duty/chrome plated winder
- Coated steel tape



Code	Size	Ref
FRE3050	30m x 13mm	SW-30

FREEMANS TAPE - FIBREGLASS

- Tough yet light weight red ABS case with ribs for easy handling and strong grip
- PVC Coated fibreglass tape
- Wear, weather and crease resistant
- Non conductive
- Heavy duty winding mechanism



Code	Size	Ref
FRE2020	10m x 13mm	FB10
FRE2025	15m x 13mm	FB15
FRE2030	20m x 13mm	FB20
FRE2035	30m x 13mm	FB30
FRE2037	50m x 13mm	FB50

STANLEY® TAPE - CLOSED CASE

- High impact ABS closed case with rewind lever
- Case perforated at rear to allow the tape to be cleaned
- Blade made from parallel fibre glass threads reduces elasticity and improves measuring accuracy
- Tape has white surface with 2mm graduations for precise measuring
- Corrosion resistant, UV protected and non conductive
- Blade has washable PVC coating

Code	Size	Ref
STA5920	10m x 12mm	0-34-295
STA5930	30m x 12mm	0-34-297
STA5935	50m x 12mm	0-34-298



STANLEY® TAPE - WORKMASTER

- Durable yellow high impact ABS case for strength
- Features a blade guard and rollers of stainless steel for smooth operation
- Steel blade with 2 colour graduations for easy reading in all conditions
- Mylar® coating for maximum protection against abrasion
- Hook with spurs for ease of use



Code	Size	Ref
STA6050	20m x 9.5mm	0-34-105
STA6055	30m x 9.5mm	0-34-108



STEEL TAPE MEASURE OPEN FRAME

- 10mm wide tape
- Metric graduations
- Metal end hook
- Heavy duty winding mechanism
- Impact resistant plastic reel
- EEC class III accuracy

Code	Size
MTS4702	30m x 12mm
MTS4705	50m x 12mm
MTS4707	100m x 12mm



STANLEY® TAPE MEASURE FIBREGLASS POWER WINDER - OPEN FRAME

- High impact ABS open frame with rewind lever ratio 3:1
- Hook tip on tape folds away
- Yellow fibreglass tape with black graduations

Code	Size	Ref
STA5916	30m x 12.7mm	2-34-772



FIBREGLASS BLADE TAPE - OPEN FRAME

- Fibre glass tape
- Ideal for contractors and surveyors
- Design allows for easy cleaning of tape
- Protruding marker at bottom of case assists measuring
- Long winder, easy grip knob facilitates quick rewinding

Code	Size	Ref
FRE2040	30m x 13mm	FO-30
FRE2045	50m x 13mm	FO-50
FRE2050	100m x 13mm	FO-100



STEEL BLADE TAPE OPEN FRAME

- Tempered steel blade rust protected
- Ring end fitted with folding claw for easy single handed use
- Impact resistant plastic case
- Sturdy rewind handle

Code	Size	Ref
FRE3060	50m x 13mm	SO-50
FRE3070	100m x 13mm	SO-100



STANLEY® FIBREGLASS TAPE MEASURE - OPEN FRAME

- FAT MAX
- Fibre glass unbreakable reinforced tape
- Power winder 3:1 gear ratio
- Rubber handle
- Nylon / plastic bearing point

Code	Size	Ref
STA5919	60m x 19mm	2-34-824



STANLEY® TAPE MEASURE FIBREGLASS POWER WINDER - OPEN FRAME

- High impact ABS open frame with rewind lever ratio 3:1
- Hook tip on tape folds away
- Yellow fibre glass tape with black graduations

Code	Size	Ref
STA5940	60m x 12mm	34-795





MEASURING WHEEL

- Measuring distance 0 - 9999m
- Resets to zero at the push of a button
- Error range +/- 2%
- Supplied in a convenient zip-up nylon carry bag

Code	Range
MTS4835	10km



MEASURING WHEEL

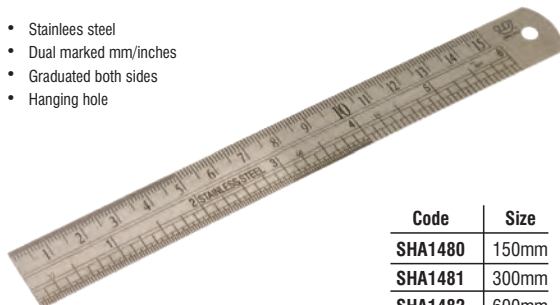
- Push type measuring wheel
- Has long handle for easy use
- As wheel is pushed distance travelled is shown on meter
- Wheel can be instantly "zeroed"
- Very useful for longish distances, soccer fields etc
- Wheel has long lasting tread

Code	Size
ROT1000	Std
ROT1050	Braked



STAINLESS STEEL RULES

- Stainless steel
- Dual marked mm/inches
- Graduated both sides
- Hanging hole



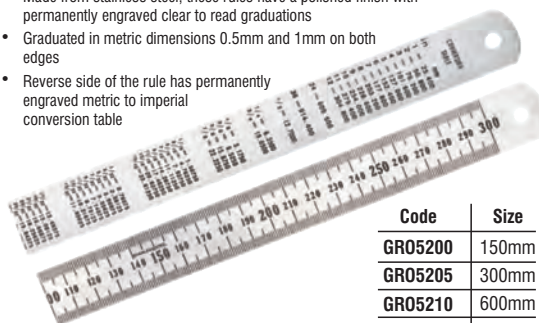
Code	Size
SHA1480	150mm
SHA1481	300mm
SHA1482	600mm
SHA1483	1000mm



tools to trust

PRECISION STEEL RULES

- Made from stainless steel, these rules have a polished finish with permanently engraved clear to read graduations
- Graduated in metric dimensions 0.5mm and 1mm on both edges
- Reverse side of the rule has permanently engraved metric to imperial conversion table

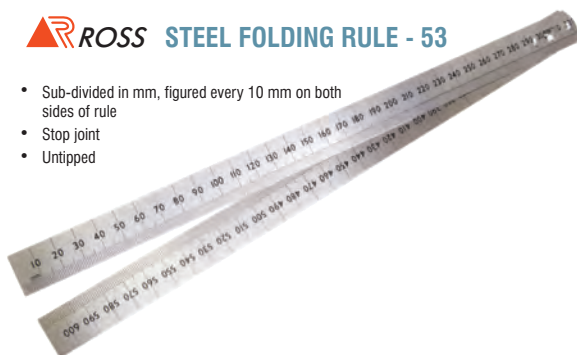


Code	Size
GR05200	150mm
GR05205	300mm
GR05210	600mm
GR05215	1000mm



STEEL FOLDING RULE - 53

- Sub-divided in mm, figured every 10 mm on both sides of rule
- Stop joint
- Untipped

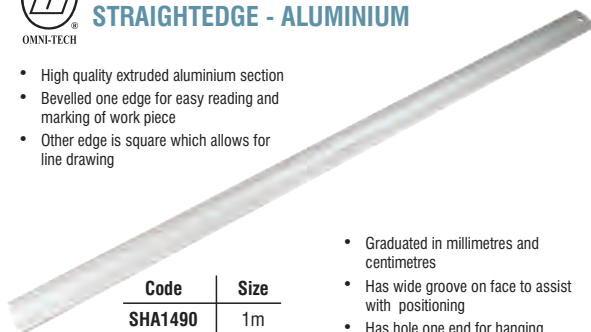


Code	Size
RAB2600	600mm



STRAIGHTEDGE - ALUMINIUM

- High quality extruded aluminium section
- Bevelled one edge for easy reading and marking of work piece
- Other edge is square which allows for line drawing



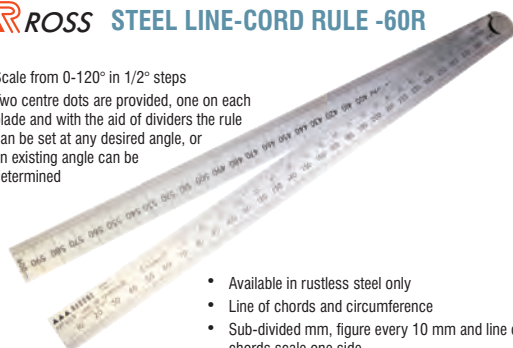
Code	Size
SHA1490	1m
SHA1494	1.5m
SHA1496	2m

- Graduated in millimetres and centimetres
- Has wide groove on face to assist with positioning
- Has hole one end for hanging.
- Ideal for marking out sheet metal and similar jobs



STEEL LINE-CORD RULE -60R

- Scale from 0-120° in 1/2° steps
- Two centre dots are provided, one on each blade and with the aid of dividers the rule can be set at any desired angle, or an existing angle can be determined



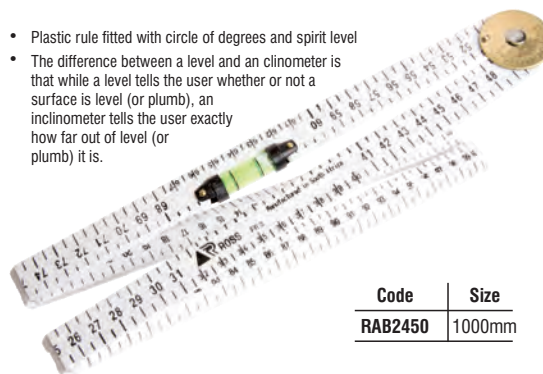
Code	Size
RAB2605	600mm

- Available in rustless steel only
- Line of chords and circumference
- Sub-divided mm, figure every 10 mm and line of chords scale one side.
- Sub-divided mm and circumference scale in 8ths other side



CLINOMETER FOLDING RULE - FR3

- Plastic rule fitted with circle of degrees and spirit level
- The difference between a level and an clinometer is that while a level tells the user whether or not a surface is level (or plumb), an inclinometer tells the user exactly how far out of level (or plumb) it is.

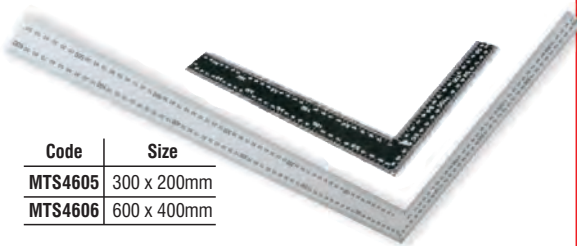


Code	Size
RAB2450	1000mm



STEEL SQUARES

- Permanently stamped with metric graduations
- Also known as a roofing square

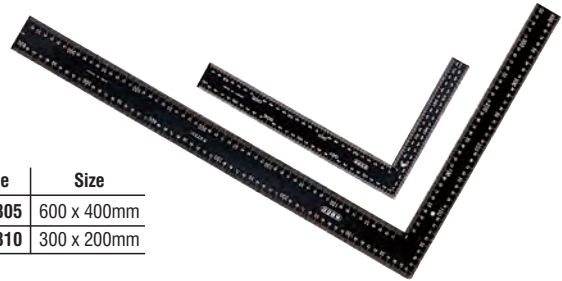


Code	Size
MTS4605	300 x 200mm
MTS4606	600 x 400mm



STEEL SQUARES

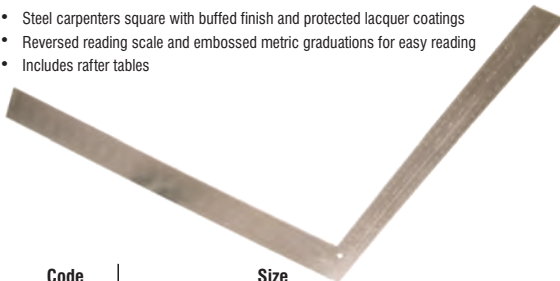
- Quality made from rugged heavy gauge steel in a one piece construction
- Accurately polished with a permanent black finish for longer wear life
- Metric graduations are filled white for legibility



Code	Size
RIC3805	600 x 400mm
RIC3810	300 x 200mm

STANLEY® RAFTER SQUARE - 45-530

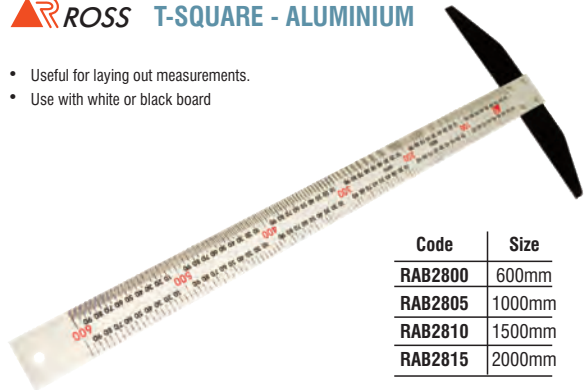
- Steel carpenters square with buffed finish and protected lacquer coatings
- Reversed reading scale and embossed metric graduations for easy reading
- Includes rafter tables



Code	Size
STA5370	Body 600 x 50mm, Tongue 400 x 38mm

ROSS T-SQUARE - ALUMINIUM

- Useful for laying out measurements.
- Use with white or black board



Code	Size
RAB2800	600mm
RAB2805	1000mm
RAB2810	1500mm
RAB2815	2000mm



COMBINATION SQUARE

- A multi-purpose measuring tool with a scribe, which functions as an outside and inside try square, mitre square, horizontal level and depth gauge
- The 300mm steel blade is calibrated on both sides

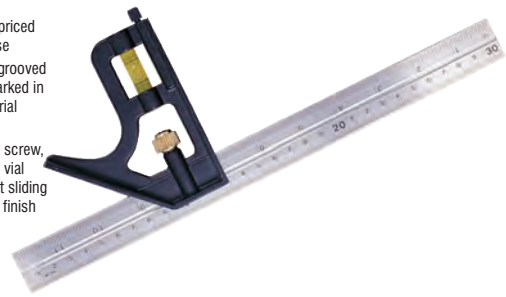


Code	Size
MTS4600	300mm



COMBINATION SQUARE

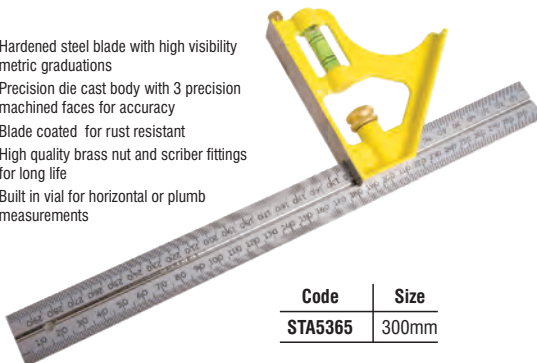
- A competitively priced model for DIY use
- Chrome plated, grooved steel blade is marked in metric and imperial graduations
- Plastic adjusting screw, scribe and level vial built into die cast sliding stock with black finish



Code	Size
RIC3800	300mm

STANLEY® COMBINATION SQUARE - 2-46-143

- Hardened steel blade with high visibility metric graduations
- Precision die cast body with 3 precision machined faces for accuracy
- Blade coated for rust resistant
- High quality brass nut and scribe fittings for long life
- Built in vial for horizontal or plumb measurements

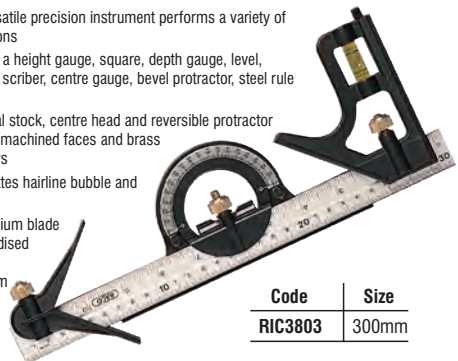


Code	Size
STA5365	300mm



COMBINATION SQUARE SET

- Completely versatile precision instrument performs a variety of measuring options
- Can be used as a height gauge, square, depth gauge, level, marking gauge, scribe, centre gauge, bevel protractor, steel rule and plumb
- Matt black metal stock, centre head and reversible protractor with accurately machined faces and brass adjusting screws
- Stock incorporates hairline bubble and scribe
- Grooved aluminium blade with highly anodised finish is clearly graduated in mm and 1/16" with 0.5mm and 1/32" on the reverse



Code	Size
RIC3803	300mm

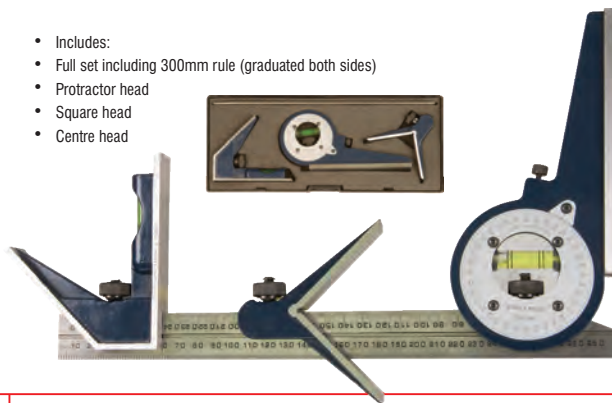


PRECISION COMBINATION SET - TRADITIONAL

- Fully hardened and tempered precision rules with deep etched graduations on both sides for ease of reading and long life
- Fully hardened and ground datum faces to resist wear
- Centrally mounted protractor vial allows unrestricted viewing
- Protractor has full 360° scale plate, graduated 0 - 180° - 0
- Satin chromed plate on protractor
- Unique rule clamp allows position location and clamping
- Square head offers the following fixed angles: 15°, 30°, 45°, 60°, 75° & 90°
- Centre head offers a fixed 90° angle, for finding the centre of a round bar stock up to 120mm diameter
- Clipped corner on rule to maximise capability

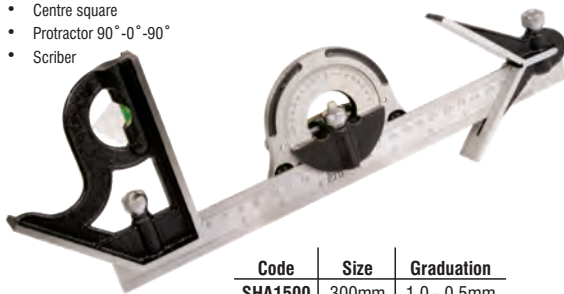
Code	Size
MAWCSM300	300mm

- Includes:
- Full set including 300mm rule (graduated both sides)
- Protractor head
- Square head
- Centre head



COMBINATION SQUARE SET

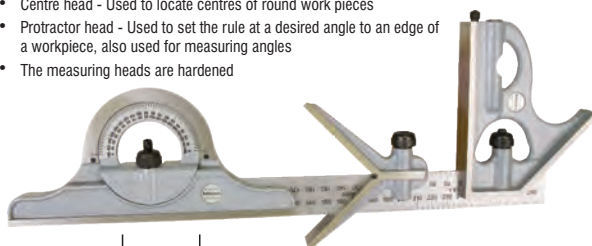
- Try and mitre square, and level
- Centre square
- Protractor 90° - 0° - 90°
- Scriber



Code	Size	Graduation
SHA1500	300mm	1.0 - 0.5mm

Mitutoyo COMBINATION SQUARE SET

- Three measuring heads are attached to the stainless steel rule (blade), allowing versatile measurements on various types of workpieces
- Square head - Used to set the rule at 90 degree or 45 degrees to an edge of a workpiece
- Centre head - Used to locate centres of round work pieces
- Protractor head - Used to set the rule at a desired angle to an edge of a workpiece, also used for measuring angles
- The measuring heads are hardened



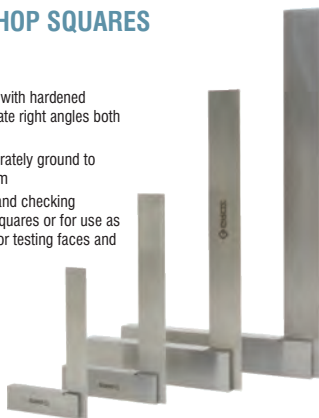
Code	Size	Graduation
MIT180-910	300mm	1.0 - 0.5mm



WORKSHOP SQUARES

- General purpose steel squares
- Manufactured from selected steel with hardened blades, these squares have accurate right angles both on the inside and outside
- Both the blade and stock are accurately ground to ensure straightness and parallelism
- Squares are useful for setting up and checking machinery, checking carpenters squares or for use as a try square when marking joints or testing faces and edges

Code	Size
GR06526	100mm
GR06527	150mm
GR06528	225mm
GR06529	300mm



ENGINEER'S PRECISION SQUARE

- An excellent range of precision steel squares, useful for setting up and checking jobs where extreme accuracy is required
- Hardened spring steel blades are permanently fixed to the stock by means of tapered, self locking rivets which ensure complete rigidity
- Both the blade and stock are precisely ground to ensure straightness and parallelism
- Working edges of the blades are lapped which further enhances accuracy
- A groove on the inner corner of the stock aids in the clearance of burr or dirt
- Internal and external squareness as per BS 939 Grade B

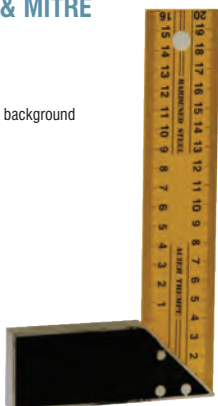
Code	Size	Code	Size
GR06505	100mm	GR06520	225mm
GR06515	150mm	GR06525	300mm



SQUARE - TRY & MITRE

- Hardened steel blade
- Black etched marking on yellow coated background
- Easy to read
- Dual marked mm / inches
- Graduated both sides
- Hanging hole

Code	Size
SHA1550	150mm
SHA1555	200mm
SHA1560	250mm
SHA1565	300mm



STANLEY SQUARE - TRY & MITRE

- Professional try and mitre square
- Impact resistant plastic handle with 45° angle for mitres
- Polished steel blade

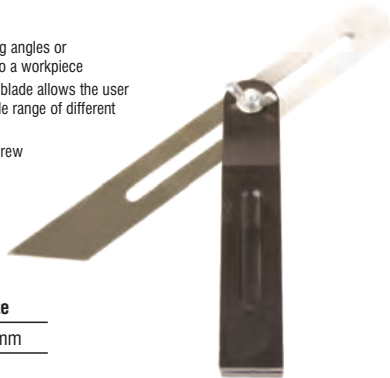
Code	Size	Ref
STA5393	150mm	46-506
STA5395	200mm	46-508
STA5405	250mm	46-510
STA5415	300mm	46-512





T-SLIDE BEVEL - ABS HANDLE

- For determining existing angles or transferring angles onto a workpiece
- Slotted hardened steel blade allows the user to accommodate a wide range of different size work pieces
- Quick release thumbscrew



Code	Size
MTS2080	200mm



T-SLIDE BEVEL PLASTIC HANDLE

- A try square that can be adjusted to any angle and is also used for marking or checking angles
- Hardened steel blade is bright chrome plated
- High impact resistant plastic stock handle with positive wing nut clamping at an angle



Code	Size
RIC0460	200mm



SLIDING BEVEL - 46-825

- Durable stainless steel blade
- Built in blade lock for transferring angles
- Tough plastic handle provides handy, comfortable grip



Code	Size
STA2150	203mm



INDICATOR BEVEL PROTRACTOR

- Standard: Factory standard
- Features high quality indicator
- Made of high quality hardened and ground stainless steel
- High precision satin chromed scale
- Minimum reading 5 minutes
- Magnifying glass for easy reading
- 300mm /12" rule and 150mm /rule
- Packed as set in plastic box



Code	Range
MAW510-01	360°

Mitutoyo BEVEL PROTRACTOR - UNIVERSAL

- High precision angle gauge for accurate angular measurement of machines, moulds, and jigs
- Can be attached to height gauges



Code	Blade Length	Graduation 5 Min	Remarks Edges
MIT187-901	150 & 300mm	0°-90°-0°	W/60°-45°-30°



BEVEL PROTRACTOR

- High precision angle gauge for accurate angular measurement of machines, jigs and tooling
- Can be attached to height gauges

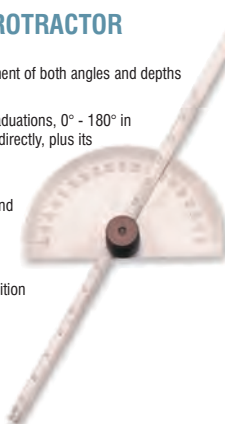


Code	Blade Length	Graduation 5 Min	Remarks Edges
SHA0300	150 & 300mm	0°-90°-0°	W/60°-45°-30°



DEPTH GAUGE - PROTRACTOR

- The depth gauge with protractor allows for measurement of both angles and depths
- Manufactured from stainless steel
- The protractor head has permanently deep etched graduations, 0° - 180° in opposite directions, thus permitting reading an angle directly, plus its supplement angle
- Depths are measured by the 150 mm steel rule
- Graduations are in imperial dimensions on one side and metric on the other
- The tool can be set at any desired angle for use as a protractor and as a depth gauge
- A knurled thumb nut, locks the rule in the desired position
- The gauge has a flat surface on the back of the head permitting laying the tool flat upon the work surface



Code	Range
GR01910	0-150mm



DEPTH GAUGE

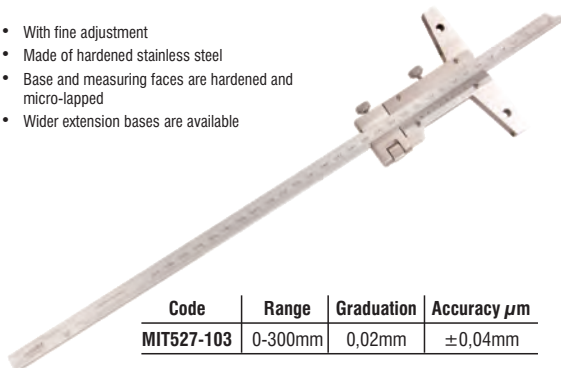
- Measures depths and angles
- Made from selected steel with attractive black finish
- Graduated both left and right to 15°, 30° and 45°
- A 150mm steel rule is fitted to the head and can be set to any of these angles
- Rule can be locked into final position for depth or angular measurements by a knurled nut



Code	Range
GR01900	0-150mm

Mitutoyo DEPTH GAUGE VERNIER

- With fine adjustment
- Made of hardened stainless steel
- Base and measuring faces are hardened and micro-lapped
- Wider extension bases are available



Code	Range	Graduation	Accuracy μm
MIT527-103	0-300mm	0,02mm	$\pm 0,04\text{mm}$



HEIGHT GAUGE VERNIER

- Standard: Factory standard
- Zero reference point can be adjusted for calibration
- Beam and slide made of hardened steel
- Measuring faces are micro-lapped for high accuracy
- Chrome plated scale
- Super solid heavy base for greater stability and rigidity
- Carbide tipped scriber
- With magnifier reading glass from range 300mm and higher.

Code	Capacity	Resolution
MAW190-30	0-300mm	0,02mm



Mitutoyo HEIGHT GAUGE - DIGIMATIC - SERIES 570

- Can easily measure the height of small parts
- The clear LCD screen provides digital readout to 0.01 mm for error-free reading
- The robust construction with a thick column provides repeatable measurements
- Fine-adjustment carriage to feed the slider finely
- Carbide-tipped scriber
- Functions include:
- Zero-setting
- Presetting
- Data hold
- Data output
- +/- switching
- inch/mm conversion (Inch/Metric model only)
- Error alarm
- Low battery alarm
- Power supply: One SR44 battery

Code	Range "/mm	Resolution	Accuracy
MIT570-245/312	0-12"/0-300mm	0.0005"/0.01	$\pm 0.002\text{mm}$
MIT570-247/314	0-24"/0-600mm	0.0005"/0.01	$\pm 0.002\text{mm}$



RADIUS GAUGE

- For checking internal and external Radii
- Accurately milled steel blades
- Marked with nominal size on each blade
- Mounted in steel swivel holder

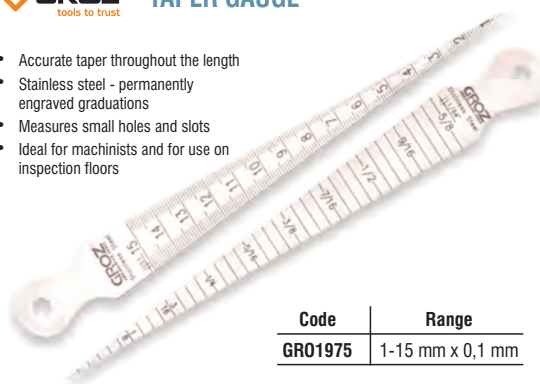


Code	Range of Radii	Increments	No. of Blades	Type
MAW206MA	5,5-13mm	0,5mm	16	Sleeve



TAPER GAUGE

- Accurate taper throughout the length
- Stainless steel - permanently engraved graduations
- Measures small holes and slots
- Ideal for machinists and for use on inspection floors



Code	Range
GRO1975	1-15 mm x 0,1 mm



SCREW CUTTING GAUGE

- Manufactured from stainless steel in satin chrome finish
- All gauge surfaces are accurately ground
- Designed for checking tool angle for cutting threads in metal turning lathes
- The angle on the thread cutting tool is checked on the 'V' slots in the gauge



Code	Angle	Thread Form
GRO1950	60°	SI, ISO US Std.
	55°	Whitworth
	47.5°	British Association (BA)
	14.5°	ACME



SCREW CUTTING GAUGE

- Traditional Engineer's screw cutting gauge
- Suitable for most Metric and Imperial thread forms
- Accurately milled angles for precise evaluation of thread forms



Code	Angle	Thread Form
MAW200	60°	SI, ISO US Std.
	55°	Whitworth
	47.5°	British Association (BA)
	14.5°	ACME



SCREW PITCH GAUGE 12665

- Accurately milled steel blades
- Designed to check both internal and external thread forms
- Marked with nominal size on each blade
- All blades fixed in a steel sleeve
- SI should not be used to check ISO
- ISO can be used to check SI
- Metric/Whitworth

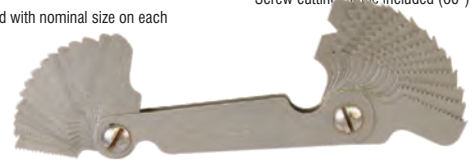


Code	No. of Blades	Range
STW77270003	52	0.25-0.60mm 4-62 WW



SCREW PITCH GAUGE - AMERICAN NAT.

- Accurately milled steel blades.
- Designed to check both internal and external threads forms.
- Marked with nominal size on each blade.
- All blades fixed in a steel sleeve.
- Screw cutting gauge included (60°)

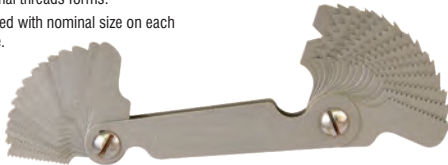


Code	Screw Pitch	Blades	Threads Per Inch
MAW799	American Nat	30	4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 11 1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42.



SCREW PITCH GAUGE - S1 METRIC

- Accurately milled steel blades.
- Designed to check both internal and external threads forms.
- Marked with nominal size on each blade.
- All blades fixed in a steel sleeve.
- Screw cutting gauge included (60°)



Code	Screw Pitch	Blades	Threads Per Inch
MAW801	S1 Metric	30	0.5, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.0, 1.10, 1.20, 1.25, 1.30, 1.40, 1.50, 1.60, 1.70, 1.75, 1.80, 1.90, 2.0, 2.50, 3.0



SCREW PITCH GAUGE - ISO METRIC

- Accurately milled steel blades.
- Designed to check both internal and external threads forms.
- Marked with nominal size on each blade.
- All blades fixed in a steel sleeve.
- Screw cutting gauge included (60°)



Code	Screw Pitch	Blades	Threads Per Inch
MAW809	ISO Metric	22	0.35, 0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 1.0, 1.25, 1.50, 1.75, 2.0, 2.50, 3.0, 3.5, 4.0, 4.50, 5.0, 5.50, 6.0



SCREW PITCH GAUGE - METRIC/WHITWORTH

- Accurately milled steel blades
- Designed to check both internal and external threads forms
- Marked with nominal size on each blade
- All blades fixed in a steel sleeve

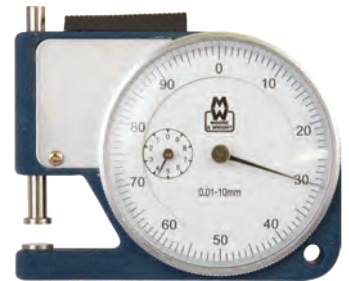


Code	No. of Blades	Range
SHA1035	52	0.25 - 6.0mm



THICKNESS GAUGE - LIFTING TYPE

- For quick measurement of thickness
- Dial indicator for accurate value reading
- Parallelism of the measuring surfaces 0.0004mm



Code	Range	Throat Depth Inside	Resolution
MAW455-15	0-10mm	0.10mm	0.010mm



BORE GAUGE SET

- With interchangeable contact points
- Set of carbide tipped contact points included
- Unique self centring device
- Supplied with dial indicator, resolution 0.01mm / 0.0001" / 0.0005"
- Packed with all necessary accessories to measure the complete range as shown



Code	Range	Res.
MAW316-03	18-35mm	0.01mm
MAW316-04	35-50mm	0.01mm

Code	Range	Res.
MAW316-05	50-160mm	0.01mm
MAW316-06	160-250mm	0.01mm



TELESCOPIC GAUGE SET

- For quick inside measurement and determination of inside diameters
- Spring loaded plunger that expands in the bore or groove
- Satin chromed body
- With auto extension and direct locking
- Measuring faces are hardened and micro lapped



Code	Ref. No.	Range	Set Qty.	Sizes
MAW315-01	315-01	8-150mm	6	8 - 12.7, 12.7 - 19, 19 - 32, 32 - 54, 54 - 90, 90 - 150mm



TELESCOPIC GAUGE SET

- Self centering
- Constant spring pressure
- Minimum radius contact points
- Satin chrome finish



Code	Range	Set Qty.	Sizes
SHA1040	8-150mm	6	8 - 12.7, 12.7 - 19, 19 - 32, 32 - 54, 54 - 90, 90 - 150mm



TELESCOPIC GAUGE SET

- Spring-loaded plunger expands within the bore (or groove), allowing determination of the internal diameter (or groove width)
- With a knurled clamp

Contains:	
155-127	8 - 12.7mm
155-128	12.7 - 19mm
155-129	19 - 32mm
155-130	32 - 54mm
155-131	54 - 90mm
155-132	90 - 150mm



Code
MIT155-905



PRECISION FEELER GAUGES - 13 BLADE 11095

- DIN 2272 , DIN EN 10140
- Nickel plated case
- Tapered blade



Code	Range
STW74240001	0.05; 0.10; 0.15; 0.20; 0.25; 0.30; 0.40; 0.50; 0.60; 0.70; 0.80; 0.90; 1.00mm



PRECISION FEELER GAUGES 20 BLADE - 11095

- DIN 2272 , DIN EN 10140
- Nickel plated case
- Tapered blade



Code	Range
STW74240002	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; 1.00mm



PRECISION FEELER GAUGES - 20 BLADE 11097

- DIN 2272 , DIN EN 10140
- Nickel plated case
- Tapered blade



Code	Range
STW74240005	1 1/2"; 2"; 2 1/2"; 3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25/1000"



CRANKED FEELER GAUGES 26 BLADE

- 45° angle offset allows the blade to be used where access is restricted



Code	Range
SYK016400	0.005 - 0.762mm



PRECISION FEELER GAUGES - 10 BLADE

- Nickel plated case
- Tapered blade



Code	Ref. No.	Length	Range
MAW1112M	1112M	300mm	0.05; 0.10; 0.15; 0.20; 0.25; 0.30; 0.40; 0.50; 0.60; 0.70; 0.80; mm



PRECISION FEELER GAUGES - 13 BLADE

- Standard: DIN 2275
- All blades are hardened, tempered and polished
- Nominal thickness marked on each side

Code	Length/Width	Range
MAW388M	100mm/12.7mm	0.03 - 0.50mm
MAW394M	150mm/12.7mm	0.05 - 1.00mm



PRECISION FEELER GAUGES - 26 BLADE MET/SAE

- Manufactured from top quality steel
- Blades are hardened and tempered to withstand prolonged workshop use
- Sizes are marked on the blades

Code	Range
SHA1023	0.15 - 1.00mm 0.03" - 0.040" SAE



DIAL INDICATOR

- Standard: DIN878
- Satin chromed body
- With tungsten carbide measuring tip
- With double dial indicator for measuring mm stroke
- Shockproof
- Micron versions are jewelled
- Adjustable scale with stop screw
- Some models offer tolerance indicators
- Packed in a foam box

Code	Diameter	Range	Resolution
MAW400-02	58mm/ear	0 - 1mm	0.001mm
MAW400-06	58mm/ear	0 - 10mm	0.01mm



DIGITRONIC INDICATOR

- Direct Inch / Metric conversion
- 58mm dial face
- Lugback and 8mm stem mountings
- Resolution 0.01m/0.0005"
- Absolute / incremental reading
- Floating Zero

Code	Range	Accuracy
MAW405-04DB	0 - 12.7mm / 0.5"	0.02mm/0.0008"



DIAL TEST INDICATOR - 420-04

- Standard: DIN2270
- Automatic reversal of measuring direction
- High precision fully jewelled bearings
- Rotation dial
- Two dovetail clamps
- Carbide points
- Long range - twice range of most indicators (422 series only)
- Dial colour white

Code	Range	Grad.	Dial Reading	Dial Ø mm	Feeler Length
MAW420-04	0.8mm	0.01mm	0-40-0	37	12mm



Mitutoyo DIAL INDICATOR - SERIES 1

- Series 1 dial indicators offer the accuracy and durability for shop applications
- demanding highly accurate measurements where space is limited
- The spindle is made of hardened stainless steel for durability
- while the rack gear is machine ground for a tighter fit and increased accuracy
- Dial diameter 41 mm

Code	Stroke	Graduation	Bezel Ø
MIT1044E	5mm	0.01mm	40mm



Mitutoyo DIAL INDICATOR - SERIES 2

- Series 2 dial indicators are Mitutoyo's most popular, and have the widest application
- Especially the "one revolution" dial indicator is developed for in-process measuring
- This indicator features a hand that makes only one revolution throughout the entire spindle range
- This prevents costly measuring errors made with indicators whose hands make as many as 2 1/2 revolutions

Code	Range	Graduation	Dial Ø
MIT2046S	10mm	0,01mm	57mm



Mitutoyo DIAL INDICATOR - SERIES 2

- Series 2 dial indicators are Mitutoyo's most popular, and have the widest application
- Especially the "one revolution" dial indicator is developed for in-process measuring
- This indicator features a hand that makes only one revolution throughout the entire spindle range
- This prevents costly measuring errors made with indicators whose hands make as many as 2 1/2 revolutions

Code	Range	Graduation	Dial Ø
MIT2048E-10	10mm	0,01mm	57mm



Mitutoyo DIAL INDICATOR - SERIES 2

- Series 2 dial indicators are Mitutoyo's most popular, and have the widest application
- Especially the "one revolution" dial indicator is developed for in-process measuring
- This indicator features a hand that makes only one revolution throughout the entire spindle range
- This prevents costly measuring errors made with indicators whose hands make as many as 2 1/2 revolutions



Code	Range	Graduation	Dial Ø
MIT2109S	1mm	0,001mm	55mm



GAUGE DIAL INDICATOR

- High quality
- Precise and accurate



Code	Range	Max Measuring Force
SHA1020	0 - 10mm	1.4N
Graduation	Scale	Accuracy µm
0 - 0.01mm	0 - 100mm	12

Mitutoyo GAUGE DIAL TEST INDICATOR-DIGIMATIC

- The IDS series offers simple, error free digital readings in a basic and economical package
- As compact as standard Series 2 indicators
- The IDS Indicates the absolute position of spindle from the origin point at power-on, allowing to start measurements
- After the initial zero setting with the ORIGIN button, the repeated absolute positioning is no longer necessary over the entire battery life
- Measurement error due to spindle over speed is eliminated with the absolute ENCODER.
- Inch / metric



Code	Range	Measure Force
MIT543-683	0,5" /12.7mm	2N or less
Resolution		Accuracy μm
.0005" / 0.01mm		0.008"/0.02mm



MAGNETIC INDICATOR STAND

- Standard: Factory standard
- Basic type
- With powerful on / off magnetic base
- Magnetic force 80KG / 175 LBS
- Universal model
- Can be used for indicators with or without 'lug' on back plate
- Accepts dial test indicators, digital indicators, and normal indicators
- Extra rigid



Code	Description
MAW470-01	On/Off Magnetic



MAGNETIC INDICATOR STAND

- Standard: Factory standard
- Features fine adjustment
- With powerful on / off magnetic base
- Magnetic force 80Kg / 175 LBS
- Universal model which can be used for indicators with or without 'lug' on back plate
- Accepts dial test indicators, digital indicators, and normal indicators
- Extra rigid



Code	Description
MAW475-01	On/Off Magnetic



MAGNETIC INDICATOR STAND + INDICATOR

- Standard: Factory standard
- Complete with MAW400-06 Dial Indicator
- Features fine adjustment
- With powerful on / off magnetic base
- Magnetic force 80Kg/175 LBS
- Universal model which can be used for indicators with or without 'lug' on back plate
- Accepts dial test indicators, digital indicators, and normal indicators
- Extra rigid



Code	Description
MAW475-SET1	On/Off Magnetic

Mitutoyo MAGNETIC INDICATOR STAND

- Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators
- The ON-OFF switch offers instant mounting and dismounting without any adverse effect to the indicators or workpiece surface
- 60 kg Magnetic force
- Quick adjustment
- Horizontal and vertical movement
- Without fine adjustment



Code	Base (W/L/H)
MIT7010S	50 x 60 x 55mm
Column Range	
165-176mm	

Mitutoyo MAGNETIC INDICATOR STAND

- Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators
- The ON-OFF switch offers instant mounting and dismounting without any adverse effect to the indicators or workpiece surface
- 60 kg Magnetic force
- Quick adjustment
- Horizontal and vertical movement
- With fine adjustment



Code	Base (W/L/H)
MIT7011S	50 x 60 x 55mm
Column Range	
165-176mm	



MAGNETIC INDICATOR STAND

- 60 kg Magnetic force
- Quick adjustment
- Universal holder for dial indicator
- Horizontal and vertical movement
- Magnetic prismatic base
- With fine adjustment



Code	Height	Base
SHA1200	235 mm	60 x 50 x 55 mm



MAGNETIC INDICATOR STAND

- 60 kg Magnetic force
- Quick adjustment
- Universal holder for dial indicator
- Horizontal and vertical movement
- Magnetic prismatic base
- Without fine adjustment



Code	Height	Base
SHA1210	235 mm	60 x 50 x 55 mm



COUNTER - HAND HELD TYPE

- Hand operated press button type
- Fits in palm
- Has ring to fit finger for holding securely
- 4 Digit display
- Reset to zero knob
- Chromium plated finish



Code	Capacity
SHA0785	1 - 9999



COUNTER - RATCHET TYPE

- Lever operated with retaining spring
- Has to be mounted where it can be actuated
- Not suitable for hand operation
- Use in an assembly line or despatch
- Ideal for goods moving on a conveyor belt
- 5 Digit display
- Reset to zero knob
- Chromium plated finish



Code	Capacity
SHA0788	1 - 99999



OUTSIDE MICROMETER - TRADITIONAL

- Standard: BS870, DIN 863/1, ISO361
- Tungsten carbide measuring faces
- 6.8mm spindle diameter
- 'Speeder' type ratchet
- Locking lever
- Choice of standard or vernier type sleeve
- Tapered bow frame
- Supplied in plastic pocket case
- Adjusting key
- Blue textured frame finish



Code	Micrometer Capacity Max Size up to
MAW1965M	25mm

Accuracy:	Measuring Faces		Screw Pitch	Carbide
	Flatness	Parallelism	Accuracy	Anvil
	0.001mm	0.003mm	0.003mm	0.01mm



OUTSIDE MICROMETER - TRADITIONAL

- Standard: BS870, DIN 863/1, ISO361
- Tungsten carbide measuring faces
- 6.8mm spindle diameter
- 'Speeder' type ratchet
- Locking lever
- Choice of standard or vernier type sleeve
- Tapered bow frame
- Supplied in plastic pocket case
- Adjusting key
- Pearl chrome plated frame with insulation pads



Code	Micrometer Capacity Max Size up to
MAW1961M	25mm

Accuracy:	Measuring Faces		Screw Pitch	Carbide
	Flatness	Parallelism	Accuracy	Anvil
	0.001mm	0.003mm	0.003mm	0.01mm



OUTSIDE MICROMETER

- Standard: DIN863
- High quality outside micrometer
- Design line product
- Resolution 0.01mm
- Satin chrome scale
- Hammer tone finished frame with high quality insulated grip
- Tapered for easier access to difficult areas
- With Tungsten carbide measuring faces and constant force ratchet
- Packed in plastic box with standard and adjusting key



Code	Range	Resolution
MAW200-01	0-25mm	0.01mm

Mitutoyo OUTSIDE MICROMETER

- Hammetone-green, baked-enamel finished frame
- Clear graduations on satin-chrome finish
- Positive locking clamp
- Ratchet Stop or Friction Thimble for exact repetitive reading
- Provided with a standard except for 25 mm (1") model



Code	Range	Graduation	Accuracy μ m
MIT103-137	0-25mm	0.01mm	± 2



OUTSIDE MICROMETER

- High quality
- Precise and accurate
- Excellent finish
- Clear graduations
- Individually boxed



Code	Range	Accuracy
SHA1400	0-25mm	0.02mm



OUTSIDE MICROMETER - MECHADIGIT BASIC DIGITAL

- Standard: DIN 863
- Low cost, mechanical /digital read-out micrometer
- Satin chrome scale
- No batteries needed
- Forged steel frame with insulated grip
- Tapered for easier access to difficult areas
- With Tungsten carbide measuring faces and constant force ratchet
- Packed in wooden / plastic box with standard and adjusting key



Code	Range	Accuracy
MAW230-01MDB	0-25mm	0.01mm



OUTSIDE MICROMETER - ANALOGUE DIGIMATIC

- High quality
- Precise and accurate
- Excellent finish
- Direct reading from counter
- Digimatic displays



Code	Size
SHA1405	0-25mm

Mitutoyo OUTSIDE MICROMETER - ANALOGUE DIGITAL

- Mechanical digit counter for quick and error-free reading
- Direct readout on the counter to 0.01 mm
- Carbide-tipped measuring faces for long life



Code	Range	Graduation	Accuracy μ m
MIT193-101	0-25mm	0.01mm	± 2



OUTSIDE MICROMETER - DIGITRONIC 201/01DAB

- Protected to IP54 specifications
- Rugged steel design
- Large LCD display
- Absolute and incremental modes
- Carbide measuring faces
- Ball attachment included



Code	Range	Resolution
MAW201-01DAB	0-25mm	0.001mm/0.00005"

Mitutoyo OUTSIDE MICROMETER - DIGIMATIC

- IP - 54 level water resistance protection
- Extra large LCD readout with 0.001 mm resolution
- Lightweight design allows measurements to be taken with the micrometer held in one hand
- Two measuring modes - Absolute and incremental for efficient measurement
- Functions available: Origin setting, mm selection, Zero-setting, Data hold, Error alarm, Data output
- Carbide-tipped measuring faces
- Battery: SR44 (938882) x 1pc. for models up to 275 - 300 mm range
- Micrometers of ranges up to 100 mm are "One-touch preset type"
- Provided with a standard except for 25 mm model



Code	Range	Graduation	Accuracy μ m
MIT293-521/230	0-25mm	0.001mm	± 1



OUTSIDE MICROMETER - DIGITAL

- High quality
- Direct reading from LCD digital
- Precise and accurate
- Digimatic displays
- Excellent finish



Code	Size
SHA1415	0-25mm



OUTSIDE MICROMETER

- Standard: DIN863
- High quality outside micrometer
- Design line product
- Resolution 0.01mm
- Satin chrome scale
- Hammer tone finished frame with high quality insulated grip
- Tapered for easier access to difficult areas
- With Tungsten carbide measuring faces and constant force ratchet
- Packed in plastic box with standard and adjusting key



Code	Range	Resolution
MAW200-02	25-50mm	0.01mm

Mitutoyo OUTSIDE MICROMETER

- Hammertone-green, baked-enamel finished frame
- Clear graduations on satin-chrome finish
- Positive locking clamp
- Ratchet Stop or Friction Thimble for exact repetitive reading
- Provided with a standard except for 25 mm model

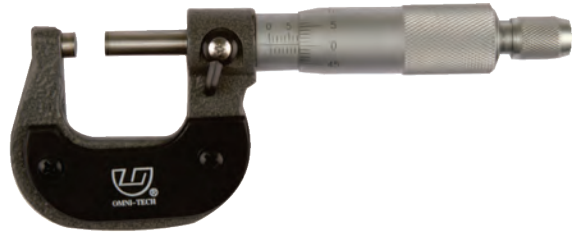


Code	Range	Graduation	Accuracy μ m
MIT103-138	25-50mm	0.01mm	± 2



OUTSIDE MICROMETER

- High quality
- Precise and accurate
- Excellent finish
- Clear graduations
- Individually boxed



Code	Range	Accuracy
SHA1410	25-50mm	0.02mm

Mitutoyo OUTSIDE MICROMETER

- IP - 54 level water resistance protection
- Extra large LCD readout with 0.001 mm resolution
- Lightweight design allows measurements to be taken with the micrometer held in one hand
- Two measuring modes - Absolute and incremental for efficient measurement
- Functions available: Origin setting, mm selection, Zero-setting, Data hold, Error alarm, Data output
- Carbide-tipped measuring faces
- Battery: SR44 (938882) x 1pc. for models up to 275 - 300 mm range
- Micrometers of ranges up to 100 mm are "One-touch preset type"
- Provided with a standard except for 25 mm model

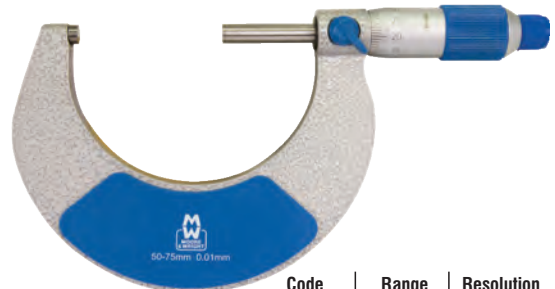


Code	Range	Graduation	Accuracy μ m
MIT293-522	25-50mm	0.001mm	± 1



OUTSIDE MICROMETER

- Standard: DIN863
- High quality outside micrometer
- Design line product
- Resolution 0.01mm
- Satin chrome scale
- Hammer tone finished frame with high quality insulated grip
- Tapered for easier access to difficult areas
- With Tungsten carbide measuring faces and constant force ratchet
- Packed in plastic box with standard and adjusting key



Code	Range	Resolution
MAW200-03	50-75mm	0.01mm

Mitutoyo OUTSIDE MICROMETER

- Hammertone-green, baked-enamel finished frame
- Clear graduations on satin-chrome finish
- Positive locking clamp
- Ratchet Stop or Friction Thimble for exact repetitive reading
- Provided with a standard except for 25 mm model



Code	Range	Graduation	Accuracy μm
MIT103-139	50-75mm	0.01mm	± 2

Mitutoyo OUTSIDE MICROMETER - DIGIMATIC

- IP - 54 level water resistance protection
- Extra large LCD readout with 0.001 mm resolution
- Lightweight design allows measurements to be taken with the micrometer held in one hand
- Two measuring modes - Absolute and incremental for efficient measurement
- Functions available: Origin setting, mm selection, Zero-setting, Data hold, Error alarm, Data output
- Carbide-tipped measuring faces
- Battery: SR44 (938882) x 1pc. for models up to 275 - 300 mm range
- Micrometers of ranges up to 100 mm are "One-touch preset type"
- Provided with a standard except for 25 mm model.

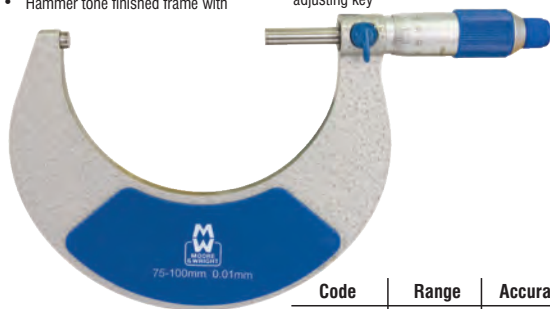


Code	Range	Graduation	Accuracy μm
MIT293-232	50-75mm	0.001mm	± 1



OUTSIDE MICROMETER

- Standard: DIN863
- High quality outside micrometer
- Design line product
- Resolution 0.01mm
- Satin chrome scale
- Hammer tone finished frame with high quality insulated grip
- Tapered for easier access to difficult areas
- With Tungsten carbide measuring faces
- Constant force ratchets
- Packed in plastic box with standard and adjusting key



Code	Range	Accuracy
MAW200-04	75-100mm	0.01mm

Mitutoyo OUTSIDE MICROMETER

- Hammertone-green, baked-enamel finished frame
- Clear graduations on satin-chrome finish
- Positive locking clamp
- Ratchet Stop or Friction Thimble for exact repetitive reading
- Provided with a standard except for 25 mm model



Code	Range	Graduation	Accuracy μm
MIT103-140	75-100mm	0.01mm	± 2



OUTSIDE MICROMETER - LARGE

- Standard: DIN 863
- Strong forged steel frame, Hammer tone finish, Quality insulated grip
- Design line product
- Satin chrome scale
- Tapered for easier access to difficult areas
- With tungsten carbide measuring faces, constant force ratchet
- Packed in wooden box with standard and adjusting key



Code	Range	Resolution
MAW210-01	100-125mm	0.01mm





OUTSIDE MICROMETER - LARGE

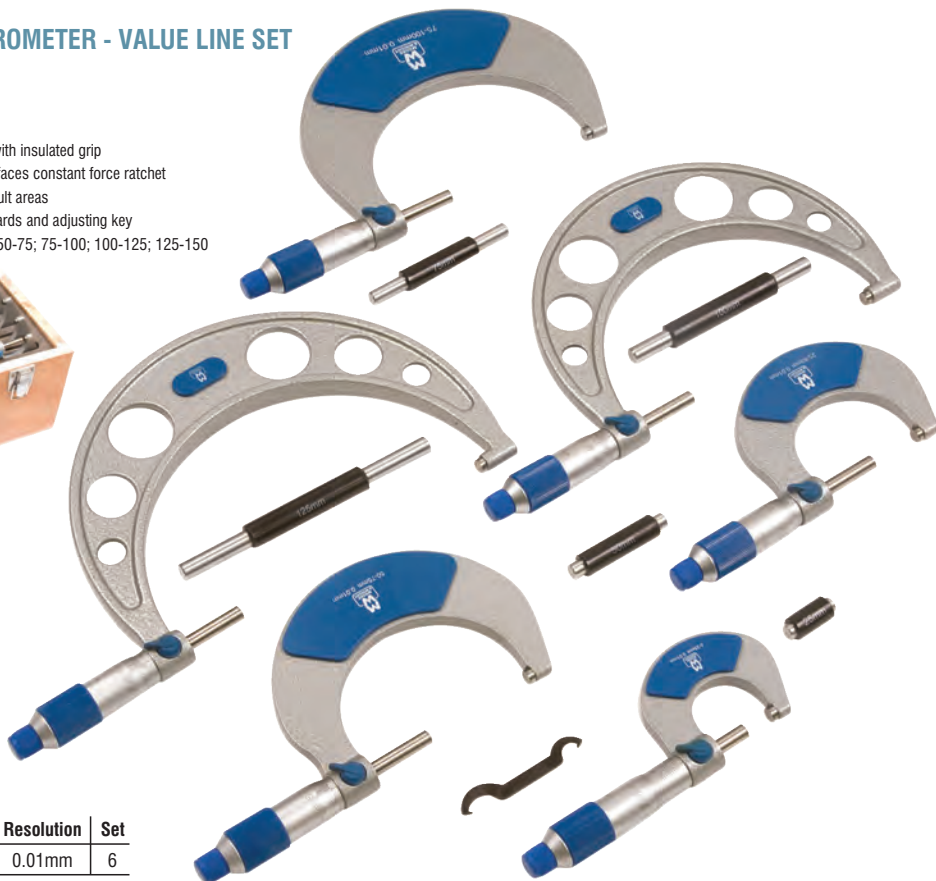
- Standard: DIN 863
- Strong forged steel frame, Hammer tone finish, Quality insulated grip
- Design line product
- Satin chrome scale
- Tapered for easier access to difficult areas
- With tungsten carbide measuring faces, constant force ratchet
- Packed in wooden box with standard and adjusting key

Code	Range	Resolution
MAW210-02	125-150mm	0.01mm



OUTSIDE MICROMETER - VALUE LINE SET

- Standard: DIN 863
- Satin chrome scale
- Satin chrome forged steel frame with insulated grip
- With tungsten carbide measuring faces constant force ratchet
- Tapered for easier access to difficult areas
- Packed in wooden box with standards and adjusting key
- Micrometers in set: 0-25; 25-50; 50-75; 75-100; 100-125; 125-150



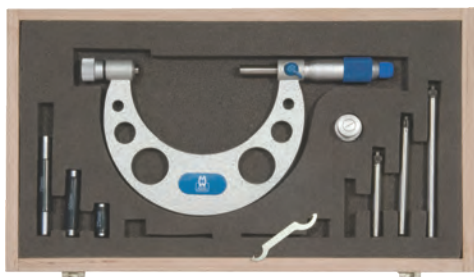
Code	Range	Resolution	Set
MAW215-03BL	0-150mm	0.01mm	6



OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

- Standard: DIN 863
- Features wide measuring range with interchangeable anvils
- Hardened and ground spindles and anvils
- Strong forged steel frame, hammertone finish, quality insulated grip
- Design line product.
- Satin chrome scale
- Tapered for easier access to difficult areas
- With tungsten carbide measuring faces and constant force ratchet
- Packed in wooden box with standards and adjusting keyStandard: DIN 863

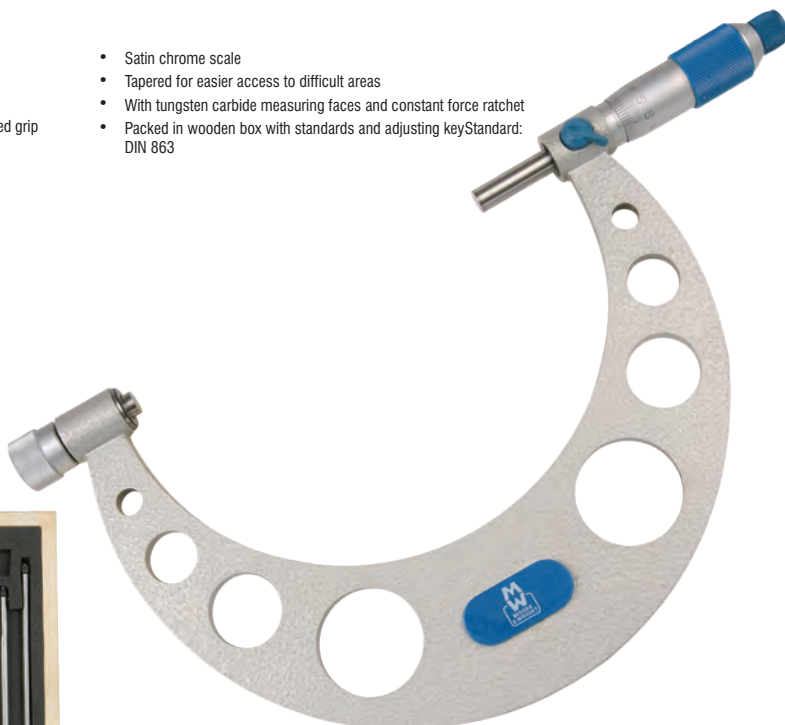
Code	Range	Resolution
MAW217-01	0-100mm	0.01mm



OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

- Standard: DIN 863
- Features wide measuring range with interchangeable anvils
- Hardened and ground spindles and anvils
- Strong forged steel frame, hammertone finish, quality insulated grip
- Design line product.
- Satin chrome scale
- Tapered for easier access to difficult areas
- With tungsten carbide measuring faces and constant force ratchet
- Packed in wooden box with standards and adjusting keyStandard: DIN 863

Code	Range	Resolution
MAW217-02	0-150mm	0.01mm

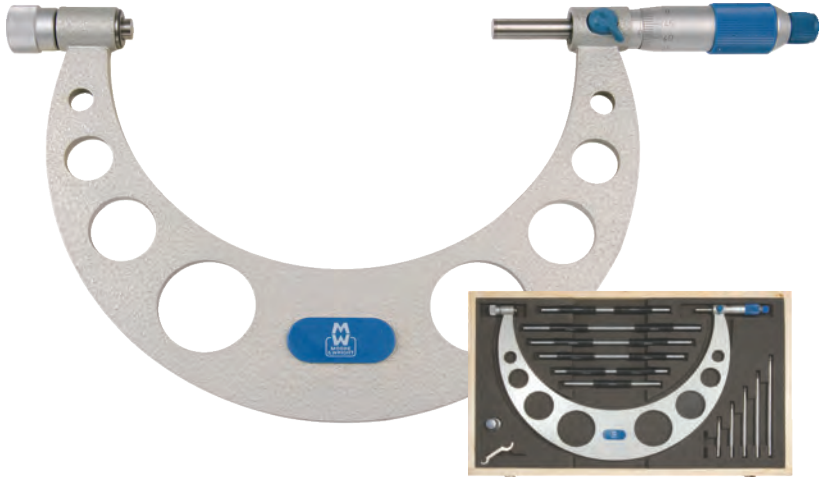




OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

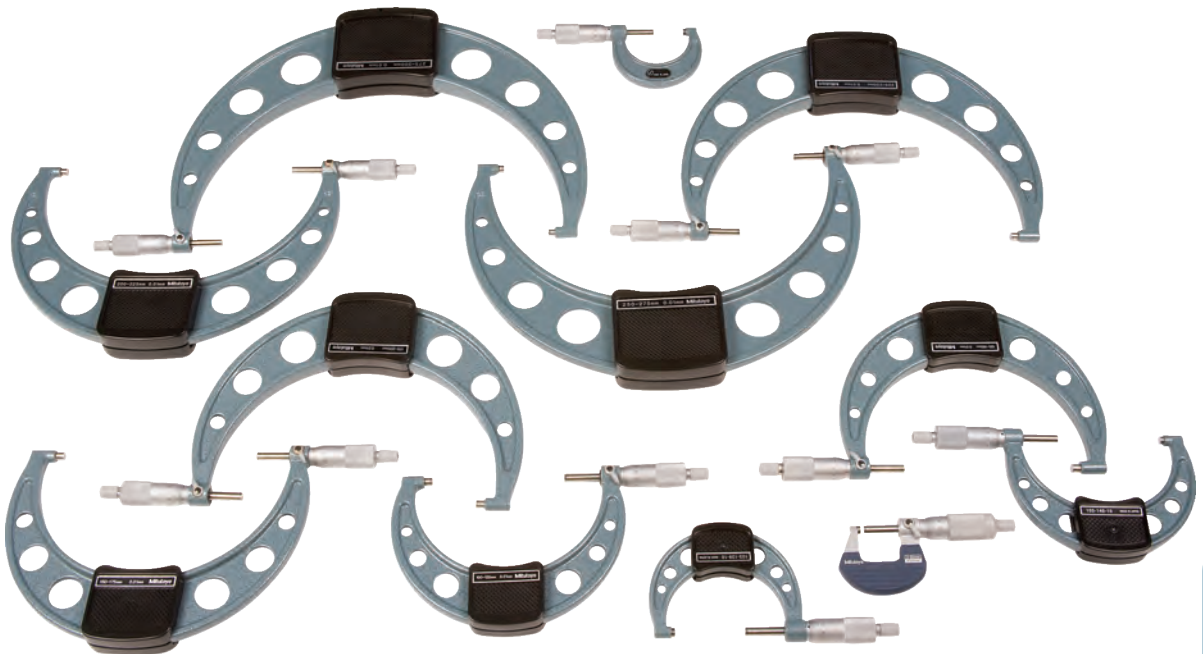
- Standard: DIN 863
- Features wide measuring range with interchangeable anvils
- Hardened and ground spindles and anvils
- Strong forged steel frame, hammertone finish, quality insulated grip
- Design line product.
- Satin chrome scale
- Tapered for easier access to difficult areas
- With tungsten carbide measuring faces and constant force ratchet
- Packed in wooden box with standards and adjusting key Standard: DIN 863

Code	Range	Resolution
MAW217-04	150-300mm	0.01mm



Mitutoyo OUTSIDE MICROMETERS - SET OF 12

- Hammertone -green ,baked enamel finished frame
- Clear graduations on satin-chrome finish
- Positive locking clamp
- Ratchet stop or friction thimble for exact repetitive reading
- Provided with a standard except for 25mm (1") model
- Packed in robust wooden box
- Micrometer Sizes in set:
0-25, 25-50, 50-75, 75-100, 100-125, 125-150, 150-175, 175-200, 200-225, 225-250, 250-275, 275-300mm



Code	Range	No. of Mics.	No. of Standards
MIT103-914	0-300mm	12	11



INSIDE MICROMETER SET - TUBULAR

- Standard: DIN 863
- Ideal for large diameters
- With tungsten carbide measuring faces
- All measuring faces are micro-lapped
- Satin chromed scale and Body with
- lock screw
- All extension pieces equipped with gauge-parts are under constant spring loading
- Packed in a wooden box



Code	Range	Resolution
MAW300-01	50-250mm	0.01mm



INSIDE MICROMETER SET - TUBULAR

- Standard: DIN 863
- Ideal for large diameters
- With tungsten carbide measuring faces
- All measuring faces are micro-lapped
- Satin chromed scale and Body with
- lock screw
- All extension pieces equipped with gauge-parts are under constant spring loading
- Packed in a wooden box



Code	Range	Resolution
MAW300-02	50-600mm	0.01mm



INTERNAL MICROMETER TRADITIONAL 903M

- Standard: BS5959
- Supplied with measuring head, extension rods and spacing collar for alternative measuring ranges
- Has detachable extension handles
- Supplied in a fitted case



Code	Capacity	Head Range
MAW903M	50-310mm	10mm

Mitutoyo INSIDE MICROMETER SET - TUBULAR

- Extension rod type up to 300mm
- Wide range of ID measurements by combining extension rod (pipes) and anvils with the micrometer head
- Plain measuring faces



Code	Range	Extension Rods
MIT137-102/202	50-300mm	13, 25, 2x50, 100mm

Mitutoyo INSIDE MICROMETER SET - TUBULAR

- Extension rod type up to 500mm
- Wide range of ID measurements by combining extension rod (pipes) and anvils with the micrometer head
- Plain measuring faces



Code	Range	Extension Rods
MIT137-103/203	50-500mm	13, 25, 2x50, 100, 200mm

Mitutoyo INSIDE MICROMETER SET - TUBULAR

- Extension rod type up to 1000mm
- Wide range of ID measurements by combining extension rod (pipes) and anvils with the micrometer head
- Plain measuring faces



Code	Range	Extension Rods
MIT137-104/204	50-1000mm	13, 25, 50, 2x100, 150, 200, 300mm

Mitutoyo INSIDE MICROMETER SET

- Interchangeable rod type
- Wide range of ID measurements with interchangeable rods
- Each interchangeable rod is marked with its measuring range
- The sizes of interchangeable rods can be adjusted with spacing collars
- Both micrometer head and furnished rods are satin-chrome finished throughout



Code	Size	Graduation	Travel	No. of Rods
MIT141-101	25-50mm	0.01mm	7mm	2

Mitutoyo INSIDE MICROMETER SET

- Interchangeable rod type
- Wide range of ID measurements with interchangeable rods
- Each interchangeable rod is marked with its measuring range
- The sizes of interchangeable rods can be adjusted with spacing collars
- Both micrometer head and furnished rods are satin-chrome finished throughout

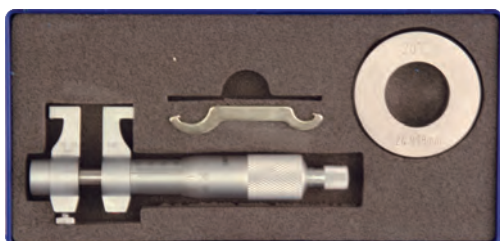


Code	Size	Graduation	Travel	No. of Rods
MIT141-105	50-200mm	0.01mm	13mm	6



INSIDE MICROMETER SET

- High quality
- Precise and accurate
- Excellent finish
- Clear graduations
- Individually boxed head and furnished rods are satin-chrome finished throughout



Code	Size
SHA1290	25-50mm



INSIDE MICROMETER SET

- High quality
- Precise and accurate
- Excellent finish
- Clear graduations
- Individually boxed head and furnished rods are satin-chrome finished throughout



Code	Size
SHA1295	50-250mm



DEPTH MICROMETERS

- Standard: DIN863
- With interchangeable rods
- Rods are hardened
- Measuring faces are micro-lapped
- Solid construction
- Laser engraved resolution 0.01mm
- Satin chromed body and base
- Constant force ratchet on thimble
- Packed in wooden/ plastic box with standard and adjusting key



Code	Size
MAW305-02	0-100mm



DEPTH MICROMETERS

- Standard: DIN863
- With interchangeable rods
- Rods are hardened
- Measuring faces are micro-lapped
- Solid construction
- Laser engraved resolution 0.01mm
- Satin chromed body and base
- Constant force ratchet on thimble
- Packed in wooden/ plastic box with standard and adjusting key

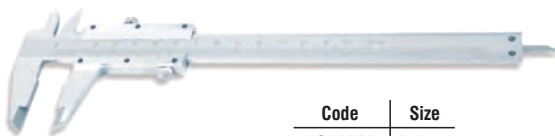


Code	Size
MAW305-03	0-150mm



STAINLESS STEEL VERNIER

- Provided with thumb lock for easier handling
- Quadri™ 4-way measurement system
- Outside - inside - depth - step - measurement
- Allowance $\pm 0,1\text{m}$



Code	Size
HON9092	150mm



PLASTIC VERNIER

- Lightweight, handy for home or school
- Tough plastic body with metal spine
- Can be used for internal, external and depth measurements
- Clear metric/imperial dual graduations - cm/mm and 1/16"



Code	Size
RIC5400	150mm



VERNIER CALIPER - WORKSHOP

- Standard workshop model with setscrew
- Equipped with fine adjustment
- 4- way measurement
- Assembly slider model
- Made of hardened alloyed stainless steel
- Chromed scale with engraved graduations
- Measuring surface is micro-lapped
- Packed in plastic box

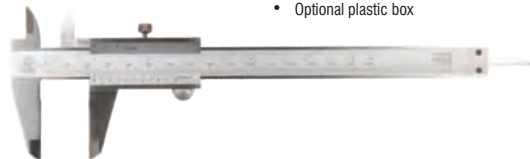


Code	Range	Resolution	Jaw Length
MAW105-201	0-200mm / 0-8"	0.02mm / 0.001"	50mm
MAW105-301	0-300mm / 0-12"	0.02mm / 0.001"	55mm



VERNIER CALIPER

- High precision vernier caliper
- 4 Way measurement
- Mono block solid slider model
- Equipped with fine adjustment
- Made of hardened /stainless steel
- Chromed scale with laser engraved graduations
- Scale shows both mm and inch values
- Measuring surface is micro lapped
- Supplied with leather look wallet
- Optional plastic box



Code	Range	Resolution	Jaw Length
MAW110-15	0-150mm / 0-6"	0.05mm / 1/128"	40mm
MAW110-20	0-200mm / 0-8"	0.05mm / 1/128"	40mm
MAW110-30	0-300mm / 0-12"	0.05mm / 1/128"	55mm



VERNIER CALIPER

- High precision vernier caliper
- 4 Way measurement
- Mono block solid slider model
- Equipped with fine adjustment
- Made of hardened /stainless steel
- Chromed scale with laser engraved graduations
- Scale shows both mm and inch values
- Measuring surface is micro lapped
- Supplied with leather look wallet
- Optional plastic box



Code	Range	Resolution	Jaw Length
MAW110-151	0-150mm / 0-6"	0.02mm / 0.001"	40mm

Mitutoyo VERNIER CALIPER

- Plain and basic design
- Can measure OD, ID, depth and steps
- Small vernier face angle (14°) provides easy reading
- Different reading scales on vernier
- Clamping screw atop the slider



Code	Range	Vernier Reading	Accuracy
MIT530-101	0-150mm	0.05mm	0.05mm
MIT530-108	0-200mm	0.05mm	0.05mm
MIT530-109	0-300mm	0.05mm	0.05mm
MIT530-119	0-300mm / 0-12"	0.02mm / 0,001"	$\pm 0.04\text{mm}$

Mitutoyo VERNIER CALIPER

- With thumb clamp
- Slider moves only when the spring loaded thumb clamp is depressed
- Can measure OD, ID, depth and steps



Code	Range	Reading	Accuracy
MIT531-101	0-150mm	0.05mm	0.05mm
MIT531-103	0-300mm	0.05mm	0.08mm



VERNIER CALIPER

- Screw lock
- Standard design
- Clamping screw on top of the slide
- Measures OD, ID, depth and steps



Code	Range	Graduation	Accuracy μm
SHA1800	0-150mm	0.05mm	± 0.05
SHA1805	0-200mm	0.05mm	± 0.05
SHA1950	0-300mm	0.05mm	± 0.05

Mitutoyo VERNIER CALIPER

- With fine adjustment
- With Nib Style Jaws
- Jaws have round measuring faces for accurate ID measurements
- With fine - adjustable carriage to feed the slider finely
- Inside and outside measurements can be directly read from the upper and lower slider graduations, respectively
- No depth measuring bar



Code	Int. Range	Ext. Reading	Vernier Graduation	Accuracy
MIT160-101	20-600mm	0-600mm	0.02mm	0.05mm

Mitutoyo VERNIER CALIPER

- With fine adjustment
- Provided with a fine adjustment carriage
- Can measure OD, ID, depth and stops



Code	Range	Vernier Reading	Accuracy
MIT532-102	0-180mm	0.02mm	0.03mm

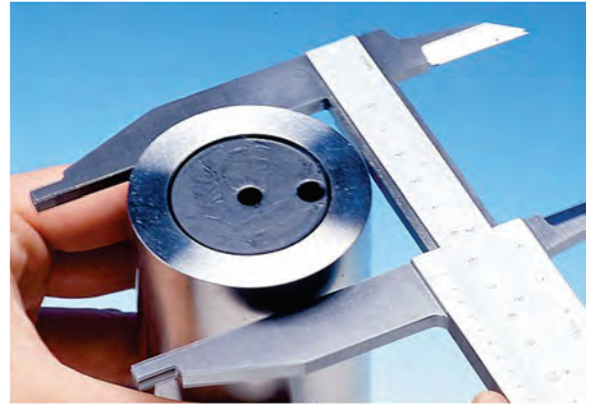


VERNIER CALIPER

- Screw lock
- Standard design
- Clamping screw on top of the slide
- Measures OD, ID, depth and steps
- Metric/imperial

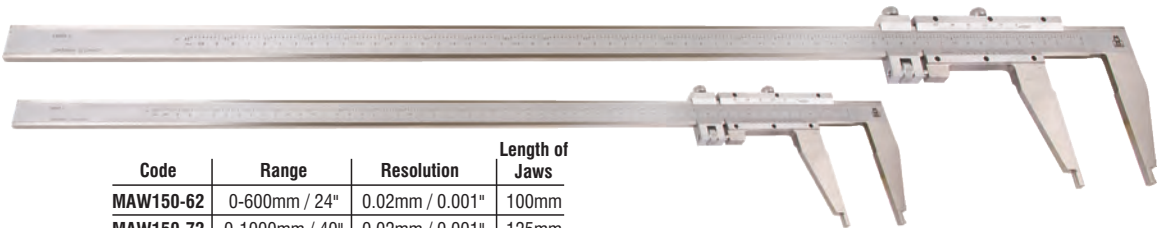


Code	Range	Graduation	Accuracy μ m
SHA1855	0-150mm / 6"	0.02mm / 0.001"	± 0.03 mm
SHA1970	0-200mm / 8"	0.02mm / 0.001"	± 0.03 mm



VERNIER CALIPER - LARGE

- Factory standard
- Standard workshop model with stop screw
- Mono block solid slider
- Made of hardened alloyed stainless steel
- Jaws for internal and external measurement
- Chromed scale with laser engraved graduations
- Measuring surface is micro-lapped
- With fine adjustment
- Packed in wooden box

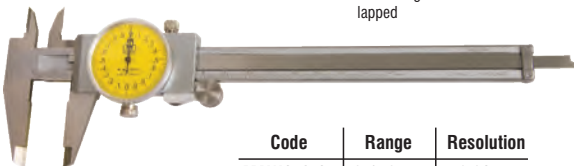


Code	Range	Resolution	Length of Jaws
MAW150-62	0-600mm / 24"	0.02mm / 0.001"	100mm
MAW150-72	0-1000mm / 40"	0.02mm / 0.001"	125mm



DIAL VERNIER CALIPER

- Standard: DIN 862
- High quality shockproof dial calliper
- Rapid movement with thumb wheel
- Covered rack
- 4-way measurement
- Standard yellow metric face
- Hardened stainless steel rack
- Measuring surface is micro-lapped



Code	Range	Resolution
MAW142-15	0-150mm	0.02mm
MAW142-20	0-200mm	0.02mm
MAW142-30	0-300mm	0.02mm

Mitutoyo DIAL VERNIER CALIPER

- Slider displacements are amplified by a rack-and-pinion mechanism and indicated on the dial
- Can measure OD, ID, depth and steps
- Clamping screw atop the slider
- Special models available with carbide-tipped OD and ID jaws



Code	Range	Dial Reading	Range / Rev.	Accuracy
MIT505-646/71	0-150mm	0.02mm	2mm	0.03mm
MIT505-647/72	0-200mm	0.02mm	2mm	0.03mm
MIT505-648/73	0-300mm	0.02mm	2mm	0.04mm



DIAL VERNIER CALIPER

- With dial
- Has dial for extra precision
- High quality

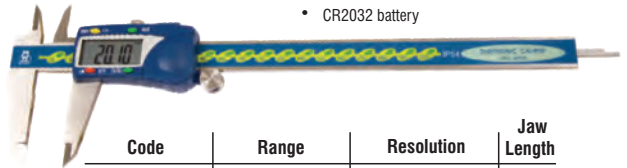


Code	Range	Graduation	Range / Rev.	Accuracy μm
SHA1850	0-150mm	0.02mm	2mm	$\pm 0.03\text{mm}$
SHA1860	0-200mm	0.02mm	2mm	$\pm 0.03\text{mm}$
SHA1870	0-300mm	0.02mm	2mm	$\pm 0.04\text{mm}$



VERNIER CALIPER - WATER RESISTANT DIGITRONIC

- Standard: DIN 862
- Water and dust resistant to IP54 specification
- Mm/inch conversion
- On/off
- Zero setting ABS/INC measurement
- Patented ceramic capacitive sensor
- Large LCD screen
- CR2032 battery



Code	Range	Resolution	Jaw Length
MAW110-15WR	0-150mm / 0-6"	0.01mm / 0.0005"	40mm
MAW110-20WR	0-200mm / 0-8"	0.01mm / 0.0005"	50mm
MAW110-30WR	0-300mm / 0-12"	0.01mm / 0.0005"	60mm

Mitutoyo VERNIER CALIPER - DIGIMATIC

- Mitutoyo's new absolute-reading Digimatic Caliper "MYCAL ABSOLUTE" is the next generation of electronic calipers
- It keeps track of its origin point once set
- Whenever turned on, the large LCD screen displays the actual slider position ready to start measurement
- No more repeated zero settings is necessary as well as no more care for over-speed errors
- Large and clear LCD read out
- The ZERO/ABS key allows the display to be zero-set at any slider position along the scale for incremental comparison measurements
- This switch will also allow return to absolute (ABS) coordinate and display of the true position from the origin point (usually jaws – closed point)
- Carbide – tipped jaw type calipers are also available



Code	Range	Digital Reading	Accuracy
MIT500-171	0-150mm / 0-6"	0.01mm / 0.0005"	0.001"
MIT500-172	0-200mm / 0-8"	0.01mm / 0.0005"	0.001"
MIT500-173	0-300mm / 0-12"	0.01mm / 0.0005"	0.0015"



VERNIER CALIPER - DIGIMATIC

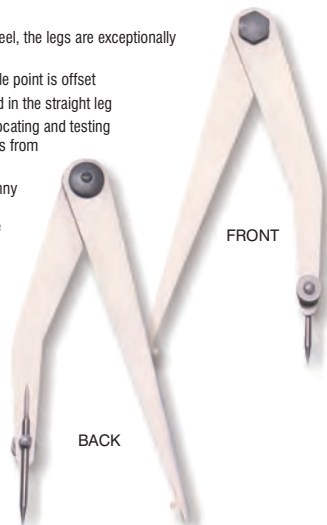
- With digital display
- High quality



Code	Ref No.	Range	Digital Read Out	Accuracy μm
SHA1890	101-0150	0-150mm	0.01mm / 0.0005"	$\pm 0.001"$
SHA1920	101-0200	0-200mm	0.01mm / 0.0005"	$\pm 0.001"$
SHA1960	101-0300	0-300mm	0.01mm / 0.0005"	$\pm 0.001"$

GROZ JENNY CALIPER

- Manufactured from selected steel, the legs are exceptionally rugged and well finished
- The leg that holds the adjustable point is offset
- The locating lug is incorporated in the straight leg
- A useful tool for layout work, locating and testing centres and laying off distances from an edge
- A specific advantage of the Jenny Caliper is that it allows easy marking of arcs along the edge of the work piece



Code	Size
GR01200	150mm

GROZ INSIDE CALIPERS

- Calipers are one of the oldest type of comparison measuring tools
- These are designed for taking comparative measurements and transferring the dimensions to a micrometer, precision rule etc
- Manufactured from selected steel calipers and dividers have a spring joint for precision settings
- The legs pivot on a roller and are tensioned by a bow spring
- The fulcrum stud has a large bearing surface that prevents side deflection

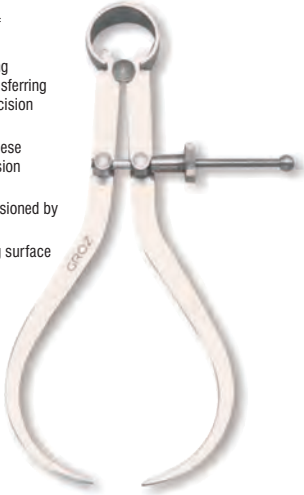


Code	Size
GR01250	100mm
GR01255	150mm
GR01260	200mm
GR01265	250mm
GR01270	300mm

OUTSIDE CALIPERS

- Calipers are one of the oldest type of comparison measuring tools
- These calipers are designed for taking comparative measurements and transferring the dimensions to a micrometer, precision rule etc
- Manufactured from selected steel, these calipers have a spring joint for precision settings
- The legs pivot on a roller and are tensioned by a bow spring
- The fulcrum stud has a large bearing surface that prevents side deflection

Code	Size
GR01275	100mm
GR01280	150mm
GR01285	200mm
GR01290	250mm
GR01295	300mm



CALIPER SET

- Contents:
- Inside Caliper - 150 mm
- Outside Caliper - 150 mm
- Spring Divider - 150 mm
- Designed for reliable, accurate layout and measurement jobs, these are of immense use to toolmakers and all mechanics who require finer adjustment and better balance
- Manufactured from high grade steel, the legs are machined to a smooth taper. Fulcrum stud has a large bearing surface preventing side deflection of legs
- Hardened working points help reduce wear

Code	Size
GR01695	3 pce



DIVIDERS

- Dividers are used for marking out circles on steel or transferring measurements from master templates
- Designed for reliable, accurate layout and measurement jobs, these are of immense use to toolmakers and all mechanics who require finer adjustment and better balance
- Manufactured from high grade steel, the legs are machined to a smooth taper
- Fulcrum stud has a large bearing surface preventing side deflection of legs
- Hardened working points help reduce wear

Code	Size
GR01700	100mm
GR01705	150mm
GR01710	200mm
GR01715	250mm
GR01720	300mm



RADIUS MARKER STD 1224

- Models are available in four sizes for scribing circles up to 610mm diameter
- Folding type design
- 3 smaller models will fit conveniently into a shirt pocket
- Sturdy friction joints to maintain rigidity and accuracy and are made from lightweight, rustproof aluminium for long wear
- A soapstone crayon is already installed in each radius marker

Code	Size
CNT0105	Up to 610mm Ø



TRAMMEL HEADS No. 33

- Also known as a "beam compass"
- For laying out the distance between two points
- For scribing large arcs and circles
- Use wooden strip off-cut minimum 10 mm thick x 38 mm wide
- A pencil can be fitted in place of one pin

Code	Size
ECP4800	Pair



GROZ tools to trust MAGNETIC SCRIBER

- Tungsten Carbide tip for marking on hard metals
- Permanent magnet on the opposite end for picking up of small parts



Code	Size
GR05395	150mm

GROZ tools to trust POCKET SCRIBER

- These scribers have a black body and knurled chuck
- The point can be reversed in the body for convenient storage
- The pocket clip also prevents the tool from rolling off the bench



Code	Size
GR05420	89mm

GROZ tools to trust ENGINEER'S SCRIBER

- This double ended scriber has one right angled end
- Both points are hardened and ground to facilitate accurate marking out



Code	Size
GR05400	190mm

RACO ENGINEER'S POCKET SCRIBER

- Tungsten carbide scriber point quality
- Knurled brass handle is nickel plated with a convenient pocket clip
- Handle tip is magnetic



Code	Size
RIC3040	130mm

GROZ tools to trust ENGINEER'S SCRIBER - 3 PCE SET

- 3 Interchangeable threaded points, short straight, short bent, and long bent
- Very handy as different combinations can be used for different applications



Code	Size
GR05405	3 pce

ECLIPSE ENGINEER'S SCRIBER - E222

- Hardened and ground point
- Used for accurate marking out
- Double - ended



Code	Size
ECP4680	190mm

MTS QUALITY TOOLS CHALK - SOAPSTONE

- Masonry & construction soapstone pencil marker
- Supplied in a 3kg box (144 pieces)



Code	Size
HON0800	150mm



SOAPSTONE HOLDER - FLAT

- Flat crayon holder
- For protection of soapstone crayons
- Durable anodized aluminium cases are available
- The design allows the use of over 90 percent of the crayon



Code
CNT27



CONTOUR MARKER - STANDARD

- Contour Marker consists of an X-shaped frame, calibrated protractor, and a triple-jointed marking arm and holder
- The holder accepts a soapstone crayon (included), felt pen or pencil
- It is used to lay out pipe and structural steel joints
- Laterals at any angle, tees, wyes, crosses, elbows - any type or size of joint can be quickly and precisely laid out
- Pipe from 38 to 450 mm diameter or structural steel members up to 450 mm
- It can be used right side up or upside down, depending on the direction of the line to be scribed
- The protractor is calibrated on both sides - one in degrees, the other in rise-inches-per-foot-to service any type of measurement need
- The unit comes with a Structural Adaptor designed to simplify the layout of structural joints, including I-beams, angles, channels, square tubing and similar shapes
- The Contour Marker is made from durable, lightweight aluminium. It requires minimal maintenance, only occasional oiling of the joints, to provide long service life
- No more complicated mathematical formulas
- No more cut and try
- No more needless material waste

Code	Pipe Ø
CNT1	38-450mm



CONTOUR MARKER - JUMBO No. 4

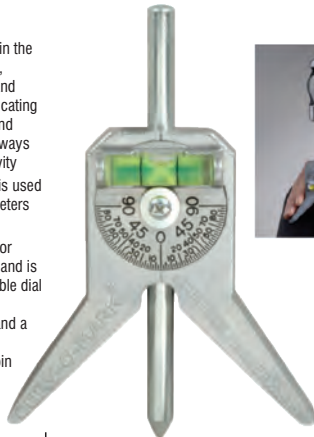
- A larger version of the standard Contour Marker
- The Jumbo Contour Marker (JCM) has been developed for use in the layout of large diameter pipe, from 200 to 1200mm
- With its Structural Adaptor, the JCM can be used in the layout of extremely large structural steel members up to 1200 mm wide
- The JCM comes complete with a durable web strap that helps hold the unit in place during layout
- A built-in adjustable dial bubble protractor ensures accurate center-line location
- A soapstone crayon is included

Code	Pipe Ø
CNT4	200-1200mm



CENTERING HEADS

- Centering Heads aid in the setting of centerlines, establishing angles and marks for butt-ins, locating points inside pipes and tanks, laying out keyways and measuring declivity
- The standard model is used on pipe 13 mm diameters and larger
- Available with a 100 or 200mm Y-type head and is fitted with an adjustable dial bubble protractor (CNT0030 see left) and a manually operated hardened centering pin



Code	Ref. No.	Head Size
CNT6	No. 6	100mm
CNT7	No. 7 (Jumbo)	200mm



DIAL - SET - LEVEL

- The DSL is a spare adjustable bubble protractor used with a number of Curv-O-Mark® tools (Stock No.: 4, 6, 7, 8, 20 and 33)
- The protractor covers 180° degrees through two 90° degree quadrants, reading in 21/2-degree increments
- The bubble is cast in the aluminium dial



Code
CNT0030

ROLFES LUMBER CRAYONS - HARD

- Used in lumber yards and engineering shops for marking

Code	Qty/Colour
ROL0005	12 - Black
ROL0010	12 - Blue
ROL0020	12 - Red
ROL0025	12 - White
ROL0030	12 - Yellow



ROLFES LUMBER CRAYONS - GENERAL PURPOSE

- Used in lumber yards and engineering shops for marking

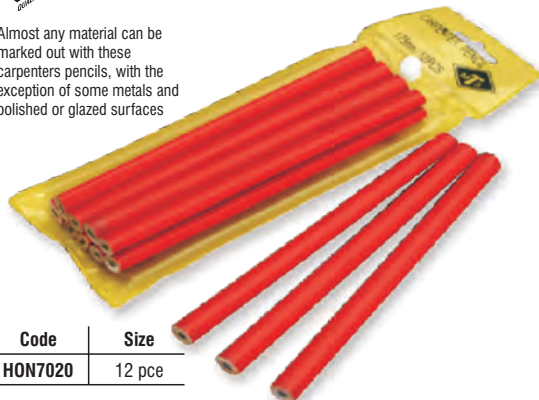
Code	Qty/Colour
ROL0100	12 - Black
ROL0110	12 - Blue
ROL0120	12 - Red
ROL0130	12 - White
ROL0140	12 - Yellow



MTS CARPENTER'S PENCILS

- Almost any material can be marked out with these carpenter's pencils, with the exception of some metals and polished or glazed surfaces

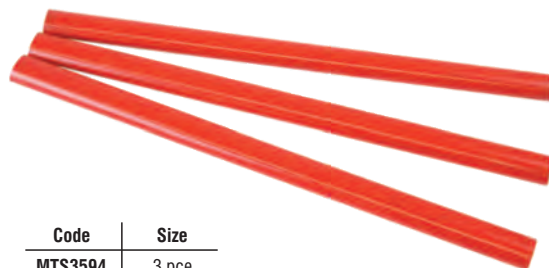
Code	Size
HON7020	12 pce



MTS CARPENTER'S PENCILS

- Almost any material can be marked out with these carpenter's pencils, with the exception of some metals and polished or glazed surfaces

Code	Size
MTS3594	3 pce



ROLFES CARPENTER'S PENCILS

- Almost any material can be marked out with these carpenter's pencils, with the exception of some metals and polished or glazed surfaces

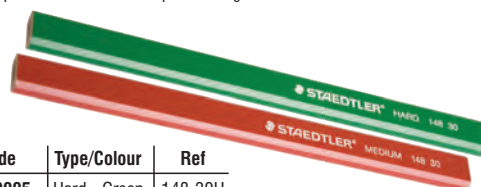
Code	Type/Colour
ROL1020	Soft - Green
ROL1040	Med - Red
ROL1060	Hard - Blue



STAEDTLER CARPENTER'S PENCILS

- Almost any material can be marked out with these carpenter's pencils, with the exception of some metals and polished or glazed surfaces

Code	Type/Colour	Ref
STD0005	Hard - Green	148-30H
STD1010	Med - Red	148-30M



ROLFES SCHOOL BOARD CHALK

- White and coloured soft chalk

Code	Colour/Qty.
ROL0035	White / 100 Box
ROL0040	Coloured / 100 Box



MTS PLASTIC CHALKLINE

- A rigid PVC chalkline with 30m string and plastic end hook

Code	Length
HON0805	30m





ALUMINIUM CHALKLINE

- Sturdy die-cast aluminium case
- 30m line with plated hook
- Rewind handle



Code	Length
MTS2150	30m



CHALKLINE REEL - 47-440

- High impact ABS case
- Sliding door for quick and easy refill
- 30gr capacity



Code	Length
STA2606	30m

IRWIN CHALKLINE - PLASTIC CASE

- Speed-line
- Self chalking line
- Line clutch release -no need to lift handle
- Leak proof side filling
- Very quick return wind



Code	Length
IRW3248	30m



CHALKLINE - DIE CAST METAL CASE - 47-099

- Professional chalk line reel
- Universal hook attaches to any projection or slot
- With slide hatch for filling
- Fold away handle



Code	Length
STA2605	30m

IRWIN CHALKLINE - ALUMINIUM CASE

- Speed-line
- Self chalking polyester line
- Line vibrates 5 times per snap
- Line clutch release -no need to lift handle
- Leak proof side filling
- Very quick return wind



Code	Size
IRW3250	30m

IRWIN CHALKLINE - HEAVY DUTY

- Lightweight ABS impact resistant case
- Retrieves chalk line 3.5 times faster
- Gear ratio 6:1
- Impact resistant
- Metal handle
- Strong polymer line
- Larger aggressive hook



Code	Size
IRW3235	30m



PLASTIC CHALKLINE SET

- This handy 3 piece set features:
- A rigid PVC chalkline with 15m string and plastic end hook
- 75mm line level
- 120g blue marking chalk in plastic bottle with convenient refill spout

Code	Size
MTS2152	3 pce



CHALKLINE REEL + CHALK REFILL BLUE - 47-442

- High impact ABS case
- Sliding door for quick and easy refill
- 30gr capacity

Code	Length
STA2609	30m



IRWIN® CHALKLINE - ALUMINIUM CASE WITH CHALK

- Gear ratio 6:1
- Impact resistant
- Metal handle
- Strong polymer line
- Larger aggressive hook
- 30m Line plus chalk



Code	Length
IRW3230	30m

STANLEY® CHALK REELS - REPLACEMENT LINE - 47-101

- Replacement line for chalk reels



Code	Length
STA2600	30m



CHALKLINE REFILLS

- Suitable for all self-chalking lines



Code	Size
ELC0550	50g Blue
ELC0555	50g Red
ELC0560	50g White

IRWIN® CHALKLINE REFILLS

- Straitline chalk powder refill



Code	Size / Colour	Ref
IRW3252	227g Blue	10507685
IRW3253	227g Red	10507686



CHALKLINE REFILLS

- Chalk powder refill



Code	Size
ROL0045	150g Blue
ROL0050	150g White
ROL0055	150g Red



MECHANIC'S MARKING BLUE

- For marking and setting out on metal surfaces
- Paste form



Code	Size
AKR0005	30g



PLASTIC MARKING GAUGE

- Hardened marking spur
- Plastic Body & thumbscrew
- The gauge is used to mark parallel lines, either with or across the grain



Code	Size
HON0920	150mm

IRWIN® MORTICE AND MARKING GAUGE - TM2153

- Marples Gauges are fitted with hard wearing hardened steel spurs
- In addition, the hole in the stock is carefully broached to match the stem's contour
- They are fitted with a polyester friction pad between the thumb screw and stem to ensure a smooth sliding action
- Mortice and Marking Gauge has a single spur on top of the stem and two spurs on the underside for marking mortices
- The second of these is on a brass slide for smooth, easy adjustment



Code
MAR2500

KRAUSE STENCILS - NUMBERS

- High quality
- Precision cut
- Plain figure (0-9)
- Zinc metal

Code	Size
GER4130	25mm
GER4135	45mm
GER4140	50mm
GER4145	60mm
GER4150	80mm
GER4155	100mm



KRAUSE STENCILS - LETTERS

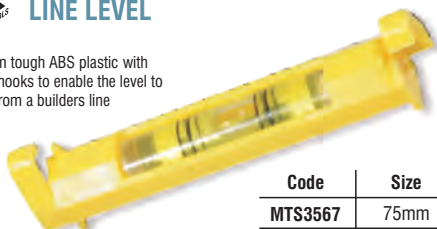
- High quality
- Precision cut
- A - Z plus &
- Zinc metal

Code	Size
GER4165	25mm
GER4170	45mm
GER4175	50mm
GER4180	60mm
GER4185	80mm
GER4190	100mm



LINE LEVEL

- Made from tough ABS plastic with moulded hooks to enable the level to be hung from a builders line

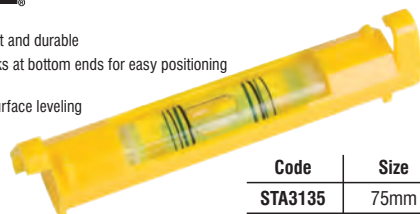


Code	Size
MTS3567	75mm



LINE LEVEL - 42-193

- Plastic lightweight and durable
- With special hooks at bottom ends for easy positioning of line
- Flat bottom for surface leveling
- 180° vial

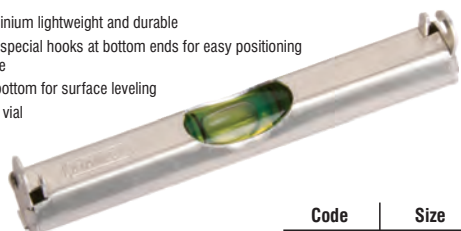


Code	Size
STA3135	75mm



LINE LEVEL - 42-287

- Aluminium lightweight and durable
- With special hooks at bottom ends for easy positioning of line
- Flat bottom for surface leveling
- 180° vial



Code	Size
STA3130	83mm



POST LEVEL

- The perfect tool for post and fencing work
- Accurately check vertical in two directions simultaneously
- Check horizontal stretcher wires
- Magnetic for use without hands on steel poles

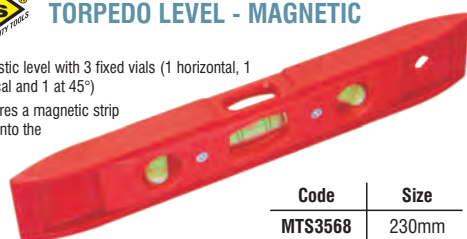


Code	Size
MTS3569	120mm



TORPEDO LEVEL - MAGNETIC

- A plastic level with 3 fixed vials (1 horizontal, 1 vertical and 1 at 45°)
- Features a magnetic strip built into the body

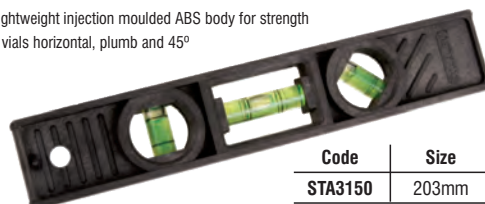


Code	Size
MTS3568	230mm



TORPEDO LEVEL - 0-42-294

- Lightweight injection moulded ABS body for strength
- 3 vials horizontal, plumb and 45°



Code	Size
STA3150	203mm



LEVEL - 5 PCE SET

- 5 piece plastic level set comprising:
- Line level
- Torpedo level
- Key Ring level
- Face level
- Angle finder



Code	Size
MTS3583	5 pce



PRO-MAG LEVEL - No. 8

- A lightweight, aluminium, easy to use tool for determining angles, the Pro-Mag Level has two cast-in 25-pound pull magnets that hold securely to any steel surface
- 360° adjustable DSL with two 90° quadrants graduated in 21/2-degree increments
- Also cast in are tables used to convert degree-of-angle to rise-in-inches-per-foot or mm/m
- A groove on the bottom edge permits use on a small pipe
- The Pro-Mag Level is 225 mm long, 50 mm high and 20 mm thick
- The unit is ideal for pipe fitter, welder, jig builder or anyone who has to determine angles or do setup work



Code
CNT8



GRADUATED LEVEL - 3 VIAL

- 3 vial box levels in a range of sizes from 450mm to 1200mm
- Third vial measures 45°
- Graduated in mm increments



Code	Size	Code	Size
MTS3570	450mm	MTS3576	900mm
MTS3572	600mm	MTS3578	1000mm
MTS3574	800mm	MTS3580	1200mm



LEVEL - 3 VIAL

- Aluminium construction
- Plumb
- Horizontal
- 45°



Code	Size	Code	Size
FRE1500	450mm	FRE1540	1000mm
FRE1510	600mm	FRE1550	1200mm
FRE1520	800mm	FRE1560	1500mm
FRE1530	900mm	FRE1570	1800mm



ALUMINIUM LEVEL - DIY - 2 VIAL

- Extruded aluminium i- section
- Powder coated finish with hand holes
- Plumb
- Horizontal



Code	Size	Code	Size
RAB2280	300mm	RAB2295	900mm
RAB2285	600mm	RAB2300	1000mm
RAB2290	800mm	RAB2305	1200mm



BOX LEVEL - 2 VIAL

- Strong box section level
- Level has fixed protective end caps and a hanging hole
- Plumb
- Horizontal



Code	Size	Ref	Code	Size	Ref
STA3108	460mm	42-371	STA3112	1000mm	42-395
STA3110	600mm	42-389	STA3113	1200mm	42-399



LEVEL - FOAM CAST - 3 VIAL

- Durable shock resistant construction to maintain accuracy (2mm/m)
- Dent and bent proof
- Plumb
- Horizontal
- 45°

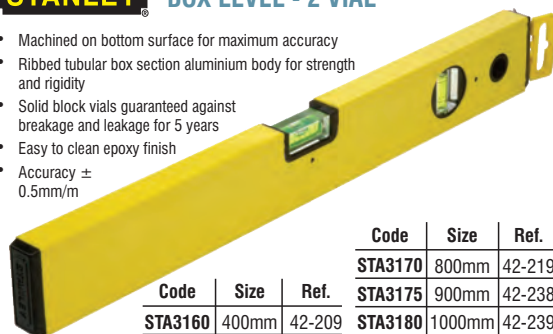


Code	Size	Ref	Code	Size	Ref
STA3116	300mm	1-42-474	STA3118	600mm	1-42-476
STA3117	450mm	1-42-475	STA3125	1200mm	1-42-471



BOX LEVEL - 2 VIAL

- Machined on bottom surface for maximum accuracy
- Ribbed tubular box section aluminium body for strength and rigidity
- Solid block vials guaranteed against breakage and leakage for 5 years
- Easy to clean epoxy finish
- Accuracy $\pm$ 0.5mm/m



Code	Size	Ref.	Code	Size	Ref.
STA3170	800mm	42-219	STA3175	900mm	42-238
STA3160	400mm	42-209	STA3180	1000mm	42-239
STA3165	600mm	42-218	STA3185	1200mm	42-257



LEVEL - ALUMINIUM - 2 VIAL

- High quality
- Accuracy $0.29^\circ = 0.5\text{mm/m}$
- Precision measuring surface
- U.V stable
- Life time fixed vials
- Plumb
- Horizontal



Code	Size	Code	Size
STB1020	400mm	STB1050	900mm
STB1030	600mm	STB1060	1000mm
STB1040	800mm	STB1070	1200mm



DUMPY LEVEL

- Horizontal circle for laying out and measuring angles
- Fine motion knobs on left and right sides for fast and easy aiming
- Stadia lines to estimate distance
- Mirror for easy viewing of bubble quality
- ISO 9002 standard
- Waterproof, dustproof & lightweight

Specifications

Telescope magnification: 20X

Field of view: 1° 30'

Minimum focus: (0.5m)

Objective aperture: 30mm

Stadia: 1:100 ratio/0 additive

Leveling Accuracy: Standard deviation for 1km double-run leveling: 2.5mm

Horizontal circle: 1° graduations

Size: 220 x 128 x 125mm

Weight: 1.3kg

- Rigid PVC carry case with strap
- Supplied with plumb bob for accurate leveling
- Fine adjustment tools included
- Use with Tripod (HON4135) and Measuring Staff (HON4130) see below
- Spare parts are available



Code

HON4125



TRIPOD SUPPLIED SEPARATELY



DUMPY LEVEL TRIPOD STAND

- Lightweight aluminium
- Steel ground spikes
- Carry strap
- 5/8" thread
- Telescopic



Code

Size

HON4135

1600mm



Measuring & Marking

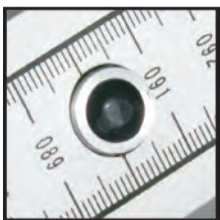


SURVEYOR'S LEVELLING STAFF

- 5 stage telescopic staff
- Self locking sections
- 0 - 5 metre
- Lightweight Aluminium construction
- Weather resistant mm markings on one side and bold measuring scale on the back
- Establish levels, heights & grades
- Millimetre graduations
- Locking buttons firmly secure telescopic sections



Millimetre
graduations



Locking buttons
firmly secure
telescopic
sections



Code	Size
HON4130	0-5m



ROSS LASER LEVEL - DIGITAL

- Laser beam of the laser level, (for use as a measuring standard) can be emitted horizontally and vertically
- The level and laser beam can be pivoted and rotated, through 360°
- The precise spectroscope can also be rotated through 360°
- It is widely used in building, tiling, architecture and angle measurement as well as interior decoration (RAB2210 includes case and stand)
- Technical Specifications:
- Wave Length: 650Nm
- Power Supply: 2 x 1.5V AAA alkaline batteries
- Maximum Power Output: 1mw
- Accuracy: 1mm/1m

Code	Item	Length
RAB2205	Level Only	600mm
RAB2210	Level, case & stand	400mm

