

# Mitutoyo

## STANLEY



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## Micrometers

Micrometres  
0-25mm/0.1"

- Satin-chrome thimble and sleeve
- Tungsten carbide measuring faces
- Enamel-finished frame and plastic holding plates
- Ratchet thimble stop and spindle lock lever
- Supplied in fitted wooden box
- Conforms to **BS 870** for accuracy
- Imperial graduated to 1" in 0.001" steps
- Metric graduated to 25mm in 0.01mm steps

MAI87

|          | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------|----------------|-----------------|----|----|----|-----|
| Imperial | 50-100-001     | <b>716-1219</b> |    |    |    |     |
| Metric   | 50-100-025     | <b>716-1220</b> |    |    |    |     |

## Micrometers

Mitutoyo



- External micrometers with precision lapped tungsten carbide measuring faces
- Cast iron frames with a strong enamel finish
- Clear engraved black graduations
- Supplied in hard plastic case with spanner set and full instructions

MAI12

| Measurement range | Graduations | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ |
|-------------------|-------------|----------------|-----------------|----|----|----|
| <b>Metric</b>     |             |                |                 |    |    |    |
| 0 to 25mm         | 0.01mm      | 103-137        | <b>457-371</b>  |    |    |    |
| 0 to 25mm         | 0.001mm     | 193-111        | <b>715-6406</b> |    |    |    |
| 25 to 50mm        | 0.01mm      | 103-138H       | <b>457-383</b>  |    |    |    |
| 50 to 75mm        | 0.01mm      | 103-139H       | <b>715-6388</b> |    |    |    |
| 75 to 100mm       | 0.01mm      | 103-140H       | <b>321-6214</b> |    |    |    |
| <b>Imperial</b>   |             |                |                 |    |    |    |
| 0 to 1"           | 0.001"      | 103-177        | <b>457-401</b>  |    |    |    |
| 1" to 2"          | 0.001"      | 103-178H       | <b>457-413</b>  |    |    |    |
| 2" to 3"          | 0.001"      | 103-179H       | <b>715-6390</b> |    |    |    |

Micrometers  
0-25mm/0.1"

MOORE &amp; WRIGHT



0-25mm/0-1" external micrometers which comply with **BS870**, **DIN863 Grade 1**, **ISO3611**, **Federal GGG-C-105b** and **Canadian 39-GP-18A**  
Tungsten carbide tipped and graduated 0.01mm or 0.001".  
Supplied with case.

mai13

|                 | Mfrs. List No. | Order Code      | 1+ | 3+ | 6+ |
|-----------------|----------------|-----------------|----|----|----|
| Imperial 0 - 1" | 1961           | <b>.443-098</b> |    |    |    |
| Metric 0 - 25mm | 1961M          | <b>.443-104</b> |    |    |    |

## Micrometer Sets

## LINEAR TOOLS



- Set of 6 micrometers
- Satin-chrome thimble and sleeve
- Tungsten carbide measuring faces
- Enamel-finished frame and plastic holding plates
- Ratchet thimble stop and spindle lock lever
- Supplied in fitted wooden box
- Conforms to **BS 870** for accuracy
- Imperial set graduated to 6" in 0.001" steps
- Metric set graduated to 150mm in 0.01mm steps
- Supplied with 5 setting rods and adjusting tools

MAI88

|          | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------|----------------|-----------------|----|----|----|-----|
| Imperial | 50-200-006     | <b>716-1268</b> |    |    |    |     |
| Metric   | 50-200-150     | <b>716-1270</b> |    |    |    |     |

Digital Micrometer  
0-25mm/0.1"

Mitutoyo



- Stainless steel spindle
- Large diameter pearl chrome thimbles for easy reading
- Every hundredth in metric (every thousandth in inches) is numbered for easy reading
- Measuring faces carbide-tipped for long instrument life
- Clear, crisp, black graduations and figures for easy reading against satin-chrome finish

- Ratchet stop for exact and repetitive reading
- Anvil and spindle hardened and precision ground – with micro-lap finish on ends
- Spindle thread hardened, ground and lapped
- Quick and easy wear adjustment
- Positive-locking clamp ensures locking of spindle at any desired setting

|                   |   |
|-------------------|---|
| Range             | 0-25mm/0-1"   |
| Display           | 6-digit LCD with (-) sign and inch/mm   |
| Resolution        | 0.001mm/.00005"   |
| Function Switches | Pre-set – To preset required value IN/MM – to instantly convert from metric to imperial |
| Battery life      | 4000 hrs  |
| Weight            | 290 gms   |
| Measuring force   | 6-10N (6-10kgf)   |

MAI14

| Mfrs. List No. | Order Code     | 1+ | 3+ | 6+ | 12+ |
|----------------|----------------|----|----|----|-----|
| 293-766        | <b>106-718</b> |    |    |    |     |

Digital Micrometers  
0-25mm/0.1"

Mitutoyo

New



- Large LCD display
- Inch metric conversion
- Tungsten carbide tipped measuring faces
- 321-6238 215g lightweight construction

|            |   |
|------------|---|
| Range      | 0-1"/0-25mm                                     |
| Resolution | 0.00005"/0.001mm                                |
| Accuracy   | 106-718 - 0.25mm ±1µm<br>321-6238 - 0.25mm ±2µm |

MAI136

| Mfrs. List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------------|-----------------|----|----|----|-----|
| 293-766        | <b>106-718</b>  |    |    |    |     |
| 293-812        | <b>321-6238</b> |    |    |    |     |

## Quickmike Micrometer

Mitutoyo



- Offers very latest in high-speed digital measurement
- Covers 30mm range in only 3 thimble revolutions
- 16 times faster than conventional designs
- Absolute feature for error-free operation

- Ideal for production applications
- Can be connected to an SPC data processor
- Measuring force 5-10N

|        |            |
|--------|------------|
| Range  | Resolution |
| 0-30mm | 0.001mm    |
| 0-1.2" | 0.00005"   |

MAI57

Mftrs' List No.  
293-676

Order Code  
715-6327

Price Each  
1+

## Micrometer Stand



- Small but stable clamp base, will hold objects upto 13mm thick
- Accommodates all Mitutoyo micrometers as well
- The jaws are rubber lined for grip and protection

H = 48, W = 100, D = 85  
Weight = 675g (1.49)

Mitutoyo

Mftrs' List No.  
156-105

Order Code  
457-437

1+

3+

6+

Price Each

## Inside Micrometer



- Lightweight, well-balanced and rigid
- Satin chrome finish with hardened, ground and lapped measuring screw
- Supplied with convenient handle for reaching into deep holes
- 10 range identified measuring rods
- Includes spacing collar and a series of precision measuring rods
- Spacing collars are for compensating for the limited stroke
- Clear, crisp, black graduations and figures for easy reading

- Each rod marked with length
- Easily reset – adjustment positive and permanent
- Supplied with spanner wrench
- Available in metric and Imperial versions

| Range    | Graduation | Head Stroke | Spacing Collar | Order Code |
|----------|------------|-------------|----------------|------------|
| 50-300mm | 0.01mm     | 13mm        | 1pc 12mm       | 715-6418   |

MAI58

Mftrs' List No.  
Metric 141-106

Order Code  
715-6418

1+

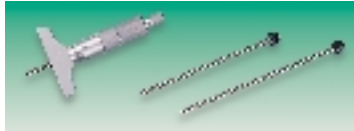
3+

6+

12+

Price Each

## Depth Micrometer



- Measuring length per rod: 1" (25mm)
- Instrumental error:  $\pm 3\mu\text{m}$
- Rod diameter 4mm
- Base size is 100mm x 16mm (4 x 0.63")

- Hardened tool-steel bases are ground and micro-lapped on all faces
- Rod diameters are adjustable in either direction for calibration and wear compensation
- Satin chrome finish of the sleeve and thimble provide an excellent background for the crisp, clear, black graduations

MAI59

Range

No of Rods

Mftrs' List No.

Order Code

1+

3+

6+

Price Each

0-150mm

6

129-116

715-6698

0-6"

6

129-132

321-6275

## Calipers

## LINEAR TOOLS



- Hardened stainless steel body
- 4-way measurement: outside, inside, depth and step
- Thumb roll for easy setting and adjustment

- Knurled locking screw
- Jaw depth of 1.6"
- Imperial caliper graduated to 6" in 0.001" steps
- Metric caliper graduated to 150mm in 0.02mm steps

MAI85

Mftrs' List No.

Order Code

1+

3+

6+

12+

Price Each

Imperial

51-200-006

716-0379

Metric

51-200-150

716-0380

## Dial Calipers



- Large dial face with high contrast
- Satin-chrome finished line scale
- Shockproof movement
- Manufactured from stainless steel
- Locking screw
- Supplied in plastic case

New

Measuring Range  
150mm  
6"

Reading  
0.02mm  
0.001"

Error Limit  
(DIN 862)  
0.03mm  
0.0012"

Order Code  
324-1075  
324-1087

MAI12 6

Range

Order Code

1+

Price Each

3+

6+

12+

150mm

6"

324-1075

324-1087

## Dial Calipers



- Dial zero adjustment and lock
- Knurled thumbwheel for fine dial pointer movement
- Jaw lock for repetitive 'go/no go' readings

Mitutoyo

- Quadri 4-way measurement (inside, outside, step and depth)
- Supplied in protective pouch

| Range | Graduations | Order Code |
|-------|-------------|------------|
| 150mm | 0.05mm      | 715-6121   |
| 6"    | 0.001"      | 715-6133   |

MAI56

Range

Mftrs' List No.

Order Code

1+

Price Each

3+

6+

12+

150mm

6"

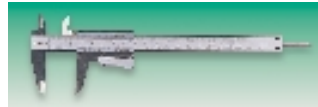
505-633-50

505-626-50

715-6121

715-6133

## Vernier Calipers



- Hardened stainless steel body, satin-chrome plated
- 4-way measurement: outside, inside, depth and step
- Complete with depth rod

## LINEAR TOOLS

- Sliding surfaces raised to prevent damage to scale
- Depth of jaws is 1.6"
- Imperial graduations of 0.001" and metric graduations of 0.02mm

MAI86

Size

Mftrs' List No.

Order Code

1+

Price Each

3+

6+

12+

150mm/6"

52-059-016

716-1177

## Vernier Calipers



- Vernier and main scale with satin-chrome finish for glare free reading
- Slide and beam made of hardened stainless steel
- Locking screw on top

New

MAHR

- Raised sliding surfaces for protection of the scale
- Measuring blades for inside measurement
- Step measuring function
- Supplied in plastic case

Measuring Range  
150mm/6"

Readings  
0.05mm/1/128"

Error Limit (DIN 862)  
0.05mm

MAI125

Order Code  
324-1063

1+

Price Each

3+

6+

12+

continued

## Calipers — continued

## Vernier Calipers



- Manufactured from high-quality, fully-hardened, stainless steel
- 14° vernier face angle provides easy reading
- Thumbwheel and lock nut in main slider

Mitutoyo

- Quadri 4-way measurement enabling inside, outside, step and depth measurement
- Supplied with protective pouch

| Range     | Graduations   | Order Code |
|-----------|---------------|------------|
| 6"/150mm  | 0.001"/0.02mm | 715-6080   |
| 8"/200mm  | 0.001"/0.02mm | 715-6091   |
| 12"/300mm | 0.001"/0.02mm | 321-6299   |

MAI55

| Range     | Mftrs. List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------|-----------------|-----------------|----|----|----|-----|
| 6"/150mm  | 530-312         | <b>715-6080</b> |    |    |    |     |
| 8"/200mm  | 530-118         | <b>715-6091</b> |    |    |    |     |
| 12"/300mm | 530-119         | <b>321-6299</b> |    |    |    |     |

## Vernier Calipers



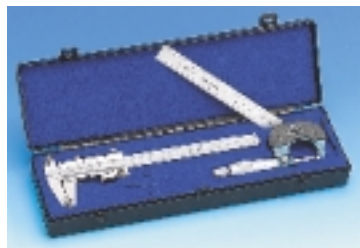
Mitutoyo

- Design accommodates external, internal, depth, and step measurements
- Range of high quality instruments with metric and imperial scales

MAI9

| Maximum Measurement | Mftrs. List No. | Order Code      | 1+ | 3+ | 12+ |
|---------------------|-----------------|-----------------|----|----|-----|
| 130mm (5")          | 532119          | <b>105-622</b>  |    |    |     |
| 150mm (6")          | 531128          | <b>715-5890</b> |    |    |     |
| 180mm (7")          | 532120          | <b>457-358</b>  |    |    |     |
| 280mm (11")         | 532121          | <b>457-360</b>  |    |    |     |

## Measuring Kit



- 3 piece measuring kit
- 5½" vernier calliper with fine adjustment
- 0-25mm micrometer
- 150mm satin chrome rule

## LINEAR TOOLS

New

MAI132

| Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------------|----|----|----|-----|
| <b>312-6018</b> |    |    |    |     |

## Digital Calipers



- Functions include : ON/OFF, reset, mm/inch
- High contrast 7.5mm LCD display
- Slide and beam made of stainless steel, hardened

MAHR

New

- Suitable for depth, inside and step measurement
- Locking screw
- Supplied in carry case
- Available with or without data output

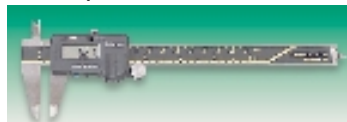
| Measuring Range | Resolution     | Error limit (DIN862) |
|-----------------|----------------|----------------------|
| 150 (6")        | 0.01 (0.0005") | 0.03 (0.0015")       |

MAI12 8

|                             | Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------------------------|-----------------|----|----|----|-----|
| Caliper (No Data Output)    | <b>324-1040</b> |    |    |    |     |
| Caliper (With data output)  | <b>324-1051</b> |    |    |    |     |
| Connecting cable RS232C     | <b>328-3550</b> |    |    |    |     |
| Connecting cable, Digimatic | <b>328-3562</b> |    |    |    |     |

## Digital Calipers

Metric/Imperial



Mitutoyo

- The most advanced caliper yet
- ABSolute Zero setting function
- Zero point at any position, deviation from a nominal (±) can be read directly

- Non-contact linear measuring system unaffected by electrical or magnetic interference
- Manufactured from fully-hardened stainless steel
- Imperial/metric switchable
- Automatic wear compensation
- Fully portable
- Positive locking clamp
- Operating temp. range 0-40°C
- Oil and dust-resistant – suitable for workshop use
- Data output, absolute and incremental operation modes incorporated into **715-5633**

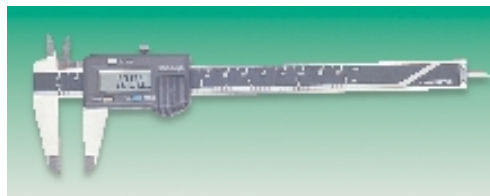
This is the latest version of the digimatic caliper in the 500 series. It has all the features of its predecessor with the addition of absolute zero origin point set anywhere within the measuring range, larger clearer display, single chip electronics and a new slim profile. For outside, inside, depth and step measurements.

MAI11

| Range    | Resolution     | Mftrs. List No. | Order Code      | 1+ | 6+ | 12+ |
|----------|----------------|-----------------|-----------------|----|----|-----|
| 150mm/6" | 0.0005"/0.01mm | 500 171 U       | <b>559-507</b>  |    |    |     |
| 200mm/8" | 0.0005"/0.01mm | 500 172 U       | <b>715-5633</b> |    |    |     |

## Digital Caliper

Metric/Imperial



Mitutoyo

- 7.7mm LCD digits for better visibility, on/zero switch, off switch, inch/mm operation and **NO SPC output**.
- Non-contact linear measurement system unaffected by electrical or magnetic interface
- Imperial/metric switchable
- Oil and dust resistant – suitable for workshop use
- Zero point at any position, deviation from a nominal (±) can be read directly
- Manufactured from fully hardened stainless steel
- Automatic wear compensation

|            |                |
|------------|----------------|
| Range      | 150mm/6"       |
| Resolution | 0.01mm/0.0005" |

mai10

| Mftrs. List No. | Order Code     | 1+ | 3+ | 6+ | 12+ |
|-----------------|----------------|----|----|----|-----|
| 500-133U        | <b>457-486</b> |    |    |    |     |

## Water Resistant Caliper



Mitutoyo

New

- IP54 water and dust resistance
- Inch/metric conversion
- Origin setting
- Auto power off
- Accuracy ±0.02mm

MAI134

| Range    | Mftrs. List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------|-----------------|-----------------|----|----|----|-----|
| 100mm/4" | 500-327         | <b>321-6305</b> |    |    |    |     |

## Total Customer Care

Our aim is to ensure you are 100% satisfied. If you ever have a query with your order, call us on (65) 788 0200



## Height Gauges

### Height Gauge, Vernier Scale

Mitutoyo



H = 510,  
W = 207,  
D = 85

- Height gauge for use on surface plates
- Main scale to 305mm (12"), Vernier accurate to 0.02mm (0.001")
- Measuring/scribe point is carbide tipped with a maximum reach of 150mm

249X

| Mfrs. List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| 520-155        | .457-462   |    |    |    |     |

### Height Gauge, LCD Readout

Mitutoyo



H = 511,  
Dia = 85

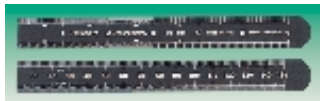
- Precision instrument with maximum reading ability of 305mm (12"). Resolution is  $\pm 0.01$ mm (0.005"), accuracy is  $\pm 0.04$ mm (0.002").
- A fine adjustment mechanism and carbide scribe/measuring point.
- Is fitted with an SPC output for statistical analysis work.
- Allows measurements to be preset, held, incremented or decremented, readout in mm or inches.

250X

| Mfrs List No. | Order Code | Price Each |
|---------------|------------|------------|
| 570-245       | 457-474    | 1+         |

## Rules

### Black Chrome Steel Rules



- D-End style Imperial/metric rules
- Manufactured from British steel
- Hardened, tempered and black-chrome finish for easy reading
- Supplied in individual plastic wallets
- Flexible and rigid versions available in 150mm and 300mm lengths
- Imperial divisions subdivided to 64ths and 100ths of an inch
- Metric divisions subdivided to 0.5mm

| Length    | Style    | Width | Thickness | Order Code |
|-----------|----------|-------|-----------|------------|
| 300mm/12" | Flexible | 12.5  | 0.4       | 715-8580   |
| 150mm/6"  | Rigid    | 19    | 0.4       | 715-8592   |
| 300mm/12" | Rigid    | 25    | 1         | 715-8609   |
| 150mm/6"  | Flexible | 12.5  | 0.4       | 715-8610   |

MAI72

| Mfrs' List No. | Order Code | 1+       | 3+ | 6+ | 12+ |
|----------------|------------|----------|----|----|-----|
| 300mm flex     | 851-012FEZ | 715-8580 |    |    |     |
| 150mm          | 678-006FEZ | 715-8592 |    |    |     |
| 300mm          | 678-012FEZ | 715-8609 |    |    |     |
| 150mm flex     | 851-006FEZ | 715-8610 |    |    |     |

### Square End Steel Rule



- Square-end style Imperial/metric rules
- Manufactured from British steel
- Hardened, tempered and satin-chrome finished for non-glare reading
- Supplied in individual plastic wallets
- Flexible version available in 150mm length
- Imperial divisions subdivided to 64ths and 32nds of an inch
- Metric divisions subdivided to 0.5mm

| Length              | Width | Thickness | Order Code |
|---------------------|-------|-----------|------------|
| 150mm/6" (flexible) | 19    | 0.4       | 715-8762   |
| 150mm/6"            | 19    | 1.0       | 715-8774   |
| 300mm/12"           | 25    | 1.0       | 715-8786   |
| 450mm/18"           | 29    | 1.0       | 715-8798   |
| 600mm/24"           | 29    | 1.0       | 715-8804   |
| 900mm/36"           | 32    | 1.0       | 715-8816   |

MAI73

| Mfrs' List No. | Order Code | 1+       | 3+ | 6+ | 12+ |
|----------------|------------|----------|----|----|-----|
| 150mm flex     | 262-006F   | 715-8762 |    |    |     |
| 150mm          | 262-006    | 715-8774 |    |    |     |
| 300mm          | 262-012    | 715-8786 |    |    |     |
| 450mm          | 262-018    | 715-8798 |    |    |     |
| 600mm          | 262-024    | 715-8804 |    |    |     |
| 900mm          | 262-036    | 715-8816 |    |    |     |

### Steel Rules

#### Imperial/Metric



- Double sided with hanging hole

- Permanently etched graduations of cm, mm, 8ths", 16th", 32nds" and 64ths" of an inch

ma129

| Mfrs. List No.         | Order Code | 1+      | 4+ | 20+ | 30+ |
|------------------------|------------|---------|----|-----|-----|
| 150mm (6") steel rule  | 59633      | 109-164 |    |     |     |
| 300mm (12") steel rule | 59641      | 109-165 |    |     |     |

### Steel Rules

#### Imperial & Metric



Chrome face, rustless steel rule

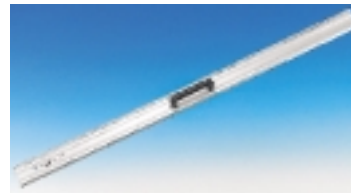
64R: Graduated in mm, 1/2mm, inches, 16ths, 32nds, 10ths, 20ths, 50ths, 100ths.

ma130

| Mfrs. List No.         | Order Code | 1+      | 4+ | 20+ | 30+ |
|------------------------|------------|---------|----|-----|-----|
| 300mm (12") steel rule | 64R12      | 443-256 |    |     |     |
| 150mm (6") steel rule  | 64R6       | 443-268 |    |     |     |

### Straight Edge

#### 1 metre



- Used for cutting, measuring and marking
- Manufactured from anodised aluminium
- Complete with strong plastic handle and hanging hole



MAI123

| Order Code | 1+ | 6+ | 12+ | 24+ |
|------------|----|----|-----|-----|
| 328-0044   |    |    |     |     |

## Tapes and Measures

## ABS Tape Measures



| Type    | Blade Width | Order Code |
|---------|-------------|------------|
| 3m/10ft | 12mm        | 313-3382   |
| 5m/16ft | 19mm        | 313-3394   |

## DURATOOL

- ABS cases and steel inserts
- Metric and Imperial markings
- Suitable for internal and external measurements
- Supplied with belt clip

TE099

| Size     | Order Code | 1+ | 5+ | 10+ |
|----------|------------|----|----|-----|
| 30m/10ft | 313-3382   |    |    |     |
| 5m/16ft  | 313-3394   |    |    |     |

## Pocket Tapes

## High Visibility



- High visibility, easy-to-find, yellow case
- Dual markings: metric and Imperial
- High-contrast, easy-to-read markings

MA111

| Size      | Order Code | 1+ | 3+ | 6+ | 12+ | 24+ |
|-----------|------------|----|----|----|-----|-----|
| 3m / 10ft | 717-0725   |    |    |    |     |     |
| 5m / 16ft | 717-0737   |    |    |    |     |     |

## Tape Measures

## DURATOOL



- Chrome plated plastic tape measures
- Metric and Imperial markings
- Suitable for internal and external measurements
- Supplied with belt clip
- Blade width 23mm

TEQ100

| Size     | Order Code | 1+ | 5+ | 10+ |
|----------|------------|----|----|-----|
| 8m/27ft  | 312-7760   |    |    |     |
| 10m/33ft | 312-7771   |    |    |     |

## Powerlock

## Metal Case

## STANLEY



- Thumb operated blade lock and automatic power blade return
- Blade is heat treated and curved in cross section to ensure rigidity
- Mylar coated blade offers ten times life of lacur coated
- Tru-zero hook has three rivets to eliminate breakage

ma122

| Type      | Blade Width | Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | 30+ |
|-----------|-------------|----------------|------------|----|----|-----|-----|
| 3M/10ft   | 13mm        | 0-33-203       | 628-815    |    |    |     |     |
| 3.5M/12ft | 13mm        | 0-33-215       | 628-827    |    |    |     |     |
| 5M/16ft   | 20mm        | 0-33-158       | 628-839    |    |    |     |     |
| 8M/26ft   | 20mm        | 0-33-428       | 628-840    |    |    |     |     |
| 10M/33ft  | 25mm        | 0-33-443       | 628-852    |    |    |     |     |
| 5M        | 20mm        | 0-33-194       | 628-876    |    |    |     |     |

## Tape Rule

## 5m Tape Rule

## Lufkin



- 19mm 5m metric/imperial tape in a light weight high strength case
- Toggle lock holds blade securely at any length
- Built in shock absorbers to cushion blade return and removable belt clip

226X

| Order Code | 1+ | 4+ | 20+ | 30+ |
|------------|----|----|-----|-----|
| 105-811    |    |    |     |     |

## Digital Tape Measure



- Length of unit automatically taken into account when taking internal measurements
- Consecutive values can be added together
- Stainless steel tape can be rewound automatically
- Automatic cut off after 30 secs.

| Measuring Unit | Measuring Accuracy | Measuring Range |
|----------------|--------------------|-----------------|
| m/cm, ft/inch  | 1mm, 1/16"         | 0.5m, 0-16ft    |

MA1121

| Mfrs. List No. | Order Code | 1+ | 3+ | 6+ |
|----------------|------------|----|----|----|
| DMB5           | 328-7221   |    |    |    |

## Long length Tape Measures

## DURATOOL



- PVC coated fibre glass tape
- Excellent resistance to moisture
- Long wearing material
- Easy to read markings
- 13mm wide for ease of reading
- 0.5mm thick
- Heat sealed markings for longer life
- Metric and Imperial markings

TE098

| Size      | Order Code | 1+ | 5+ | 10+ |
|-----------|------------|----|----|-----|
| 30m/100ft | 312-7758   |    |    |     |

## Long Measuring Tapes



- PVC bonded steel case
- 13mm blade with high visibility markings for easy reading
- Metric and Imperial graduations
- 30m / 100ft
- Ring hook included

MA112

| Type            | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------|------------|----|----|----|-----|
| Steel Yape      | 717-0830   |    |    |    |     |
| Enamelled Tape  |            |    |    |    |     |
| Fibreglass Tape | 717-0841   |    |    |    |     |
| PVC-Coated      |            |    |    |    |     |

## Ultrasonic Measure – Estimator



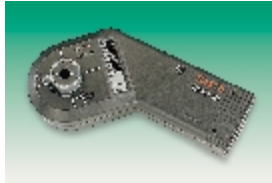
- Ultrasonic measurement up to 32 feet/10 metres
- Tough carrying case
- English and Metric reading options
- Digital display
- Accurate to within 1%



MAI200

| Mfrs. List No. | Order Code | 1+ | 6+ | 24+ |
|----------------|------------|----|----|-----|
| 0-39-032       | 353-0670   |    |    |     |

## Metal Detector



- Makes drilling safer
- Digital metal detector accurately locates iron, steel, and non ferrous metals
- Detects live cables buried in walls

pot174

| Mfrs. List No. | Order Code | 1+ | 3+ | 6+ |
|----------------|------------|----|----|----|
| DM010          | 725-6413   |    |    |    |

## Measuring Wheel Mini



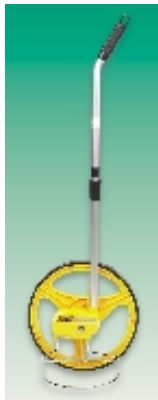
- Accurately measures curved, vertical and horizontal surfaces
- Ideal for quick estimating jobs
- Resets to zero at the push of a button
- The perfect tool for interior decorating, real estate & construction
- Measures as fast as you walk
- 3 section handle telescopes up to 35" to let you measure without bending
- Handle telescopes down to 16" to fit into toolbox or standard briefcase

| No. of digits | Weight | Graduated           |
|---------------|--------|---------------------|
| 4             | 0.6    | Metres & Decimetres |

MAI120

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| RR3M           | 722-1253   |    |    |    |     |

## Measuring Wheel



- 3 foot wheel
- Complete with kickstand
- 9999.9m maximum reading
- Heavy duty polycast wheel
- Curved telescopic handle adjusts to your comfort level
- Measures curvilinear surface
- Ideal for outdoor use
- Push button reset

| No. of Digits | Weight | Graduated           |
|---------------|--------|---------------------|
| 5             | 1.1 kg | Metres & Decimetres |

MAI118

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| RR3M           | 722-1241   |    |    |    |     |

## Dial Indicators

### Dial Indicators



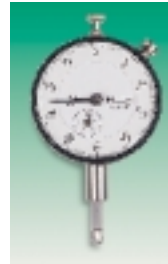
- Dial face diameter 60mm
- Adjustable dial
- Bezel lock
- Tolerance pointers
- Lug back fitting
- Hardened and ground racks

| Range | Reading | Stem ∅ | Order Code |
|-------|---------|--------|------------|
| 0.5"  | 0.001"  | 3/8"   | 716-1281   |
| 1"    | 0.001"  | 3/8"   | 716-1293   |
| 10mm  | 0.01mm  | 8mm    | 716-1300   |
| 25mm  | 0.01mm  | 8mm    | 716-1311   |

MAI89

| Range | Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|-------|----------------|------------|----|----|----|-----|
| 0.5"  | DG-1/2S        | 716-1281   |    |    |    |     |
| 1"    | DG-1S          | 716-1293   |    |    |    |     |
| 10mm  | DG-M           | 716-1300   |    |    |    |     |
| 25mm  | DG-25M         | 716-1311   |    |    |    |     |

### Dial Indicator



- Shock-proof mechanism
- Hardened stainless steel spindle and stem
- Lightweight body
- Low measuring force
- Complete with back lug fixing and tolerance hand setting



MAI64

| Range | Graduations | Scale | Range Per rev | Mfrs' List No. | Order Code | 1+ | 3+ | 6+ |
|-------|-------------|-------|---------------|----------------|------------|----|----|----|
| 10mm  | 0.01mm      | 0-100 | 1mm           | 2046F          | 715-7058   |    |    |    |
| 0.4"  | 0.001"      | 0-100 | 0.1"          | 2412F          | 715-7060   |    |    |    |

### Dial Indicator Waterproof/Shockproof



- Shockproof and waterproof dial indicator
- Sealed bezel and rubber bellows fitted to the plunger
- Ideal for machine shops as it resists ingress of oil, dust and water
- Adaptor bush for adapting mounting shank 8h6mm to inch bore 0.375"
- Mounting lug for mounting on mounting shank 8h6mm

|                 |                                  |
|-----------------|----------------------------------|
| Measuring Range | 10mm                             |
| Reading         | 0.01mm                           |
| Over Travel     | 1mm                              |
| Measuring Force | 1N                               |
| Accuracy        | fe = 15µm, fges = 17µm, fu = 3µm |



MAI130

| Indicator    | Order Code | 1+ | 3+ | 6+ | 12+ |
|--------------|------------|----|----|----|-----|
| Adapter Bush | 324-1180   |    |    |    |     |
| Mounting Lug | 324-1117   |    |    |    |     |

continued

## Dial Indicators — continued

## Digimatic Indicators



- ABSolute function
- Inch/metric conversion
- Zero/ABS
- Preset
- Tolerance setting
- Counting direction change
- On/off button
- Data output
- Bezel rotates 330°
- Large clear LCD for error-free reading

Mitutoyo

MAI63

| Range         | Resolution       | Mfrs' List No. | Order Code | Price Each |    |
|---------------|------------------|----------------|------------|------------|----|
| 0-12.7mm/0.5" | 0.01mm/0.0005"   | 543-271B       | 715-6789   | 1+         | 3+ |
| 0-12.7mm/0.5" | 0.001mm/0.00005" | 543-251B       | 715-6790   |            |    |
| 0.25mm/1"     | 0.001mm/0.00005" | 543-451B       | 715-6807   |            |    |

## Digital Display "Dial" Indicator



- IDS type Digimatic indicator is a plunger style comparative measuring gauge
- LCD readout and SPC connectability
- Splash proof construction with membrane sealed buttons
- Readout is metric or Imperial in the range 12.7mm (0.5") with a resolution of 0.01mm (0.0005")

Mitutoyo

mai16

| Mfrs. List No. | Order Code | 1+ | 3+ | 6+ |
|----------------|------------|----|----|----|
| 543-601-5      | .457-449   |    |    |    |

## Digital Dial Indicator



- Functions include : ON/OFF, zero setting, mm/inch, reversal of counting direction, preset
- High contrast LCD display
- Protective housing IP51 protected
- Adaptor bush for adapting mounting shank 8h6mm to inch bore 0.375"
- Mounting lug for mounting on mounting shank 8h6mm
- Data output either RS232C or Digimatic

MAHR

New

| Measuring Range | Resolution     | Error, fe      | Measuring force |
|-----------------|----------------|----------------|-----------------|
| 12.5 (5")       | 0.01 (0.0005") | 0.03 (0.0015") | 0.7-1.1N        |

MAI12 7

|                       | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------------|------------|----|----|----|-----|
| Indicator             | 324-1099   |    |    |    |     |
| Adaptor bush          | 324-1105   |    |    |    |     |
| Mounting Lug          | 324-1117   |    |    |    |     |
| Data cable, RS232C    | 328-3550   |    |    |    |     |
| Data cable, Digimatic | 328-3562   |    |    |    |     |

## Dial Test Indicators



- Bezel and dial are adjustable for easy zero setting
- Fully-jewelled movements
- Automatic, reversible contact point is adjustable through 240°
- Precision, miniature, pivot bearings give a frictionless movement of contact point
- One-piece bezel design ensures resistance to water and dust
- 38mm dial faces for ease of reading

Mitutoyo

MAI65

| Range | Graduations | Scale  | Mfrs' List No. | Order Code | 1+ | 3+ | 6+ |
|-------|-------------|--------|----------------|------------|----|----|----|
| 0.8mm | 0.01mm      | 0-40-0 | 513-404E       | 715-7071   |    |    |    |
| 0.03" | 0.0005"     | 0-15-0 | 513-402        | 715-7083   |    |    |    |

## Dial Comparator 'Compress'

MAHR

New



- Shockproof movement
- Box-type housing
- Maximum protection against shock and damage
- Simple fine adjustment by way of a lockable screw
- Corrosion-proof stainless steel shank and spindle
- Adjustable tolerance markers facilitate setting and observation of tolerance limits
- Adaptor bush for adapting mounting shank 8h6mm to inch bore 0.375"
- Mounting lug for mounting on mounting shank 8h6mm

| Measuring Range | Metric  | Imperial |
|-----------------|---|----------|
| Readings        | ±0.13mm   | ±0.0050" |
| Over Travel     | 5µm   | 0.0005"  |
| Measuring Force | 2.5mm   | 0.10"    |
| Accuracy        | IN  | IN       |
|                 | fe = 3µm, fyes = 40µm, fu = 10µm fe = 0.0035", Pges = 0.0004", Fu = 0.001 |          |

MAI129

|               | Order Code | 1+ | 3+ | 6+ | 12+ |
|---------------|------------|----|----|----|-----|
| Metric        | 324-1142   |    |    |    |     |
| Imperial      | 324-1178   |    |    |    |     |
| Adaptor Bush  | 324-1105   |    |    |    |     |
| Mounting Bush | 324-1117   |    |    |    |     |

## Dial Comparator 'Supranness'

MAHR

New



- Shockproof movement
- Box-type housing
- Maximum protection against shock and damage
- Simple fine adjustment by way of a lockable screw
- Corrosion-proof stainless steel shank and spindle
- Adjustable tolerance markers facilitate setting and observation of tolerance limits
- Adaptor bush for adapting mounting shank 8h6mm to inch bore 0.375"
- Mounting lug for mounting on mounting shank 8h6mm

| Measuring Range | Metric   | Imperial |
|-----------------|--|----------|
| Readings        | ±25µm  | ±0.0010" |
| Over Travel     | 0.5µm  | 0.00002" |
| Measuring Force | 2.8mm  | 0.11"    |
| Accuracy        | IN   | IN       |
|                 | fe = 0.5µm, fges = 0.6µm, fu = 0.00002µm fe = 0.00002", fges = 0.000025", fu = 0.00001µm |          |

MAI131

|              | Order Code | 1+ | 3+ | 6+ | 12+ |
|--------------|------------|----|----|----|-----|
| Metric       | 324-1129   |    |    |    |     |
| Imperial     | 324-1154   |    |    |    |     |
| Adaptor bush | 324-1105   |    |    |    |     |
| Mounting Lug | 324-1117   |    |    |    |     |

## Pocket Thickness Gauge

LINEAR TOOLS



- Handy Lightweight pocket gauge
- Weighs less than two ounces
- Ideal for measuring the thickness of paper, leather, sheet metal, rubber etc
- Available in two measuring ranges

TEQ80

| Range  | Grads. | Order Code | 1+ | 3+ | 6+ | 12+ | 24+ |
|--------|--------|------------|----|----|----|-----|-----|
| 0-10mm | 0.01mm | 724-5750   |    |    |    |     |     |
| 0-0.5" | 0.001" | 724-5762   |    |    |    |     |     |



## Dial Thickness Gauge



- Lightweight and easy to handle
- Gauge is mounted in a hand contoured frame with a thumb release mechanism
- For fast direct measurement
- Used to measure thickness of paper, cellophane, plastic film and metal plates

| Range  | Grads. | Throat Depth | Top Anvil | Bottom Anvil |
|--------|--------|--------------|-----------|--------------|
| 0-10mm | 0.01mm | 100mm        | 10mm      | 11mm         |

TE081

| Range  | Order Code | 1+ | 3+ | 6+ | 12+ | 24+ |
|--------|------------|----|----|----|-----|-----|
| 0-10mm | 724-5774   |    |    |    |     |     |

## Thickness Gauge



- Compact pocket sized Digimatic thickness gauge
- Inch/metric conversion
- Measuring faces are hardened, ground and lapped
- Ideal for measuring paper, leather, plastic, sheet metal and film

| Resolution         | Range           | Accuracy            | Mftrs. List No. |
|--------------------|-----------------|---------------------|-----------------|
| 0.01mm<br>0.00005" | 0-12mm<br>0-05" | ±0.02mm<br>±0.001mm | 700-118         |

MAI138

| Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|----|----|----|-----|
| 321-6342   |    |    |    |     |

**Mitutoyo**  
**New**

## Stands

### Dial Gauge Stand



- Gauge stand for dial indicators digimatic indicators, linear gauges
- Indicator can be stem or lug mounted
- 3/8" clamp stem
- Optional reducing sleeve required for 8mm stems

|                 |       |
|-----------------|-------|
| Capacity        | 100mm |
| Fine adjustment | 1mm   |

MAI139

|        | Mftrs. List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|--------|-----------------|------------|----|----|----|-----|
| Stand  | 2003            | 321-6317   |    |    |    |     |
| Sleeve | 206983          | 321-6329   |    |    |    |     |

**Mitutoyo**  
**New**

## Magnetic Bases

### Magnetic Bases



- Sets include Nogaflex articulated arm with fine adjustment
- Can be locked in any position
- Includes lever dial test indicator
- Arm made from steel, polished and chrome plated
- Dial gauge clamp for dovetail and stem clamping up to 3/8" Ø
- Available with switchable or permanent base
- Supplied in plastic carry case

| Lever Indicator | Dial | Graduation | Reading | Range | Stylus Length |
|-----------------|------|------------|---------|-------|---------------|
|                 | 36   | 0.01       | 0-40-0  | 0-8   | 26.3          |

MAI191

|            | Mftrs. List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|-----------------|------------|----|----|----|-----|
| Switchable | NF1200          | 716-1426   |    |    |    |     |
| Permanent  | NF1300          | 716-1438   |    |    |    |     |

**NOGA**

## Magnetic Base



- Segmented snake arm can be locked in any position
- Provides clamping for plunger and lever indicators between 1/8" and 1/2" Ø
- Fitted with a powerful magnetic base which has 80 kg pull

Indicator supplied separately  
For indicators see page 1027

MAI190

| Mftrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------|------------|----|----|----|-----|
| MB-SX           | 716-1384   |    |    |    |     |

## Magnetic Stand



- Magnetic base stand suitable for most Mitutoyo dial indicators
- The indicator can be lug or stem mounted (stem 8mm dia.)
- Powerful magnetic base has an on/off lever preventing damage to delicate surfaces

Overall height = 220mm,  
Maximum reach = 145mm

mai1

| Mftrs. List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------|------------|----|----|----|-----|
| 7010S           | 457-450    |    |    |    |     |

## Flexigrip Major



- A heavy-duty clamp fitted to a uni-joint arm for versatile gauging applications
- Detachable clamp can be used independently from arm
- Suitable for stands and workholding
- Holds stem sizes 8mm/3/8" Ø

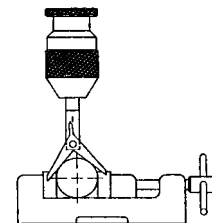
Indicator sold separately

MAI166

| Mftrs' List No. | Order Code | 1+ | 3+ | 6+ |
|-----------------|------------|----|----|----|
| 7019-001        | 715-7095   |    |    |    |

## Centre Finders

### Edge and Centre Finder



- Accurately and quickly locates centre of round bar work pieces
- 3/8" shank fits into drill or collet chuck
- Align pointer on shank to obtain centre line of round bar up to 55mm

MAI100

| Mftrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------|------------|----|----|----|-----|
| 4200-100        | 716-2339   |    |    |    |     |

continued

## Centre Finders — continued

## Wiggler Set



- Used to find position of tool spindle in relation to work surface, layout lines, holes and slots, etc
- $\frac{3}{8}$ " holder can be mounted in a drill chuck or collet
- Contains chuck, ball attachment 0.25"Ø, disc attachment 0.10"Ø, needle point and offset indicator



MAI99

| Mfrs' List No. | Order Code | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
|                |            | 1+         | 3+ | 6+ | 12+ |
| 4100-004       | 716-2054   |            |    |    |     |

## Bore Gauges

## Dial Bore Gauges



- Two point contact system suitable for measurement of component holes
- Detects ovality and tapers in bores
- Instruments fitted with independent spring loaded centralising mechanisms which ensures measurements are taken across true diameter
- Supplied in box complete with extensions and tools
- Available in two measuring ranges

| Range    | Stem Length | Grads.  | Order Code |
|----------|-------------|---------|------------|
| 50-150mm | 150mm       | 0.01mm  | 724-5737   |
| 2-6"     | 6"          | 0.0005" | 724-5749   |

TE079

| Range    | Order Code | Price Each |    |    |     |
|----------|------------|------------|----|----|-----|
|          |            | 1+         | 3+ | 6+ | 12+ |
| 50-150mm | 724-5737   |            |    |    |     |
| 2-6"     | 724-5749   |            |    |    |     |

## Telescopic Gauge Sets



- Easy comparison measurement with micrometer or calliper
- Supplied in protective pouch

A set of telescoping gauges used for comparison measurement of bore diameters and groove widths. A spring-loaded plunger expands within the hole and a knurled clamp allows contacts to be held in position for measurement with a micrometer.

MAI62

| Range   | No in set | Mfrs' List No. | Order Code | Price Each |    |    |
|---------|-----------|----------------|------------|------------|----|----|
|         |           |                |            | 1+         | 3+ | 6+ |
| 5/6"-6  | 6         | 155-903        | 715-6704   |            |    |    |
| 8-150mm | 6         | 155-905        | 715-6716   |            |    |    |

## Small Hole Gauge Set



- 4-piece set covers range of 3mm-13mm
- Used to measure small holes, slots and grooves
- Split spherical end is adjustable either in the component or between micrometer anvils
- Supplied in plastic wallet



MAI92

| Mfrs' List No. | Order Code | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
|                |            | 1+         | 3+ | 6+ | 12+ |
| 4S-4           | 716-1475   |            |    |    |     |

## Small Hole Gauges


**Mitutoyo**  
**New**

- Used with an outside micrometer for measuring the diameter of bores
- Extra long for gauging deeper-holes
- Gauging surface is fully hardened
- Set of 4 in a plastic wallet

MAI137

| Range      | Mfrs. List No. | Order Code | Price Each |    |    |     |
|------------|----------------|------------|------------|----|----|-----|
|            |                |            | 1+         | 3+ | 6+ | 12+ |
| 0.125-0.5" | 154-901        | 321-6354   |            |    |    |     |
| 3-13mm     | 154-902        | 321-6366   |            |    |    |     |

## Telescopic Hole Gauge Set



- Set of 6 gauges covering range of 8mm-150mm
- Measuring plungers have equal spring loading
- Plungers locked in position with knurled knob on handle
- Tips are hardened and radius ground
- Supplied in a vinyl wallet



MAI93

| Mfrs' List No. | Order Code | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
|                |            | 1+         | 3+ | 6+ | 12+ |
| 3S-6           | 716-1542   |            |    |    |     |

## Depth Gauges

## Depth Gauges



- Heads manufactured from hardened steel
- Ground top and bottom faces for use as datum faces
- Lower edge is 2" and upper edge is 1" in width



- Blades are hardened and tempered stainless steel
- Imperial and metric graduations of  $\frac{1}{32}$ " and 1.0mm
- Available in two blade lengths

MAI84

| Blade Length | Mfrs' List No. | Order Code | Price Each |    |    |     |
|--------------|----------------|------------|------------|----|----|-----|
|              |                |            | 1+         | 3+ | 6+ | 12+ |
| 150mm/6"     | 7003/-150      | 716-0355   |            |    |    |     |
| 300mm/12"    | 7003-300       | 716-0367   |            |    |    |     |

## Depth Gauge.

## 0 – 150mm, Adjustable

## MOORE &amp; WRIGHT



- Adjustable metric depth gauges supplied with 6 rods 4mm in diameter in a protective box

Conforms to BS6468 (1984).

mai4

| Mfrs. List No. | Order Code | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
|                |            | 1+         | 3+ | 6+ | 12+ |
| 891M-150       | 443-130    |            |    |    |     |

## Feeler Gauges

### Feeler Gauges



Overall length:  
108-342, 108-343 = 105  
108-344 = 160  
IMPERIAL 108-342  
10 blades at 1.5, 2, 3, 4, 6, 8, 10, 12,  
15, and 25 1/1000"  
METRIC 108-343  
10 blades at 5, 10, 15, 20, 30, 40, 50, 60,  
70 and 80 1/100mm  
COMBINED IMPERIAL/METRIC 108-344  
10 blades at 1.5, 2, 3, 4, 6, 8, 10, 12, 15  
and 25 1/1000"  
8 blades at 5, 10, 15, 20, 25, 30, 40 and  
50 1/100mm

mai5

|                 | Mfrs.<br>List No. | Order<br>Code | 1+ | 4+ | 20+ | 30+ |
|-----------------|-------------------|---------------|----|----|-----|-----|
| Imperial        | 4616              | 108-342       |    |    |     |     |
| Metric          | 4617              | 108-343       |    |    |     |     |
| Imperial/Metric | 4618              | 108-344       |    |    |     |     |

## Thread Gauges

### Screw Pitch Gauges



- Narrow designed blades permits use for internal and external screw threads
- Locking device to secure all blades for storage or positioning
- Each blade clearly marked with thread size
- Blades are protected in a sturdy steel case

| Type          | No. of Blades | Contents   | Order Code |
|---------------|---------------|--|------------|
| Inch & Metric | 28            | 4,6,8,10,11,11.5,12,13,16,20,32,40,56<br>0.5,0.75,1,1.25,1.5,1.75,2<br>2.2,2.5,3,3.5,4,4.5,5,6                                   | 724-5786   |
| Metric        | 28            | 0.25,0.3,0.35,0.4,0.45,0.5,0.55<br>0.6,0.65,0.7,0.75,0.8,0.85,0.9<br>1.1,1.1,1.2,1.25,1.3,1.4,1.5,1.6,1.7,<br>1.75,1.8,1.9,2,2.5 | 724-5798   |
|               | 28            | 4,5,6,7,8,9,10,11,12,13,14<br>16,18,20,<br>20,24,28,32,36,40,44,48<br>48,56,64,72,80<br>4.5,11.5,27                              | 724-5804   |

TE082

| Type        | Order Code | 1+ | 3+ | 6+ | 12+ | 24+ |
|-------------|------------|----|----|----|-----|-----|
| Inch/Metric | 724-5786   |    |    |    |     |     |
| Metric      | 724-5798   |    |    |    |     |     |
| Inch        | 724-5804   |    |    |    |     |     |

## Wire Gauges

### Wire Gauges



- American standard wire gaug (6195) for non-ferrous metals
- U.S. standard wire gauge for uncoated iron based on weights in ounces per square foot
- Size range from 0 – 36 gauge for sheet, plate and wire
- Decimal equivalents in inches are shown on reverse



Mfrs. List No. 5056 = 312-6195, 5058 = 312-6444

MAI201

|                              | Order<br>Code | 1+ | 3+ | 6+ | 12+ |
|------------------------------|---------------|----|----|----|-----|
| American Standard Wire Gauge | 312-6195      |    |    |    |     |
| U.S. Standard Wire Gauge     | 312-6444      |    |    |    |     |

## Parallels

### Adjustable Parallel Set



- Two angled, lockable, pieces dovetailed together; will slide on each other
- Can be set to size between micrometer anvils
- Supplied in fitted vinyl wallet
- Six-piece set covering range 9.5mm-57.2mm



MAI94

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| S-112-6        | 716-1578   |    |    |    |     |

### Parallel Set



- 10 pairs of hardened and ground parallels
- Supplied in a plastic box
- All parallels are 6" long by 1/4" thick
- Set includes 1/2", 5/8", 3/4", 7/8", 1, 1 1/8", 1 1/4", 1 3/8", and 1 1/2"

MAI95

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| 52-437-020     | 716-1621   |    |    |    |     |

## Surface Measuring

### Economy Roughness Comparator

### LINEAR TOOLS



- Contains 18 (9 per side) exact surface reproductions
- Range is 16-500 microinches
- Made from tough scratch-resistant ABS

| Machining method | Microinches (AA or Ra)  |
|------------------|-------------------------|
| Grinding         | 16, 32, 63, 125 and 250 |
| End milling      | 63, 125, 250 and 500    |
| Milling          | 63, 125, 250 and 500    |
| Shape turning    | 63, 125, 250 and 500    |
| Flame cutting    | 500                     |

MAI97

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| 52-016-007     | 716-1852   |    |    |    |     |

### Composite Roughness Comparator

### LINEAR TOOLS



- Contains 30 electroformed solid nickel specimen plates
- Comprehensive range of microinch (AA) and micrometre (Ra) comparison surfaces

| Machining method   | Microinches (AA or Ra)             |
|--------------------|------------------------------------|
| Flat lapping       | 2, 4 and 8µ" AA                    |
| Reaming            | 16, 32 and 63µ" AA                 |
| Grinding           | 2, 4, 8, 16, 32 and 63µ" AA        |
| Horizontal milling | 16, 32, 63, 125, 250, and 500µ" AA |
| Vertical milling   | 16, 32, 63, 125, 250, and 500µ" AA |
| Turning            | 16, 32, 63, 125, 250, and 500µ" AA |

MAI98

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| 52-016-008     | 716-2005   |    |    |    |     |

## Gauge Blocks

## Gauge Block Set



- 87-piece metric gauge block sets
- Manufactured from age-hardened high-quality alloy steel
- Supplied in mahogany box
- Available in works or inspection grade
- Each set supplied with calibration certificate

| Contents |             |          |
|----------|-------------|----------|
| Quantity | Range mm    | Steps mm |
| 9        | 1.001-1.009 | 0.001    |
| 49       | 1.01-1.49   | 0.01     |
| 19       | 0.50-9.50   | 0.05     |
| 10       | 10.0-100    | 10.00    |

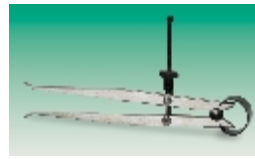
MAI96

|                | Mfrs.<br>List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------------|-------------------|-----------------|----|----|----|-----|
| Works set      | 53-670-087        | <b>716-1797</b> |    |    |    |     |
| Inspection set | 53-671-087        | <b>716-1803</b> |    |    |    |     |

## LINEAR TOOLS

| Size      | Mfrs'<br>List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------|-------------------|-----------------|----|----|----|-----|
| 100mm/4"  | 8301-004          | <b>715-9845</b> |    |    |    |     |
| 150mm/6"  | 8301-006          | <b>715-9857</b> |    |    |    |     |
| 250mm/10" | 8307-010          | <b>715-9869</b> |    |    |    |     |

## Internal Spring Calipers Quick-Nut



- Internal quick-adjusting nut calipers
- Fast setting, but still allows fine adjustment
- Manufactured from high-quality carbon steel with a natural polished finish
- Fulcrum studs are hardened and ground
- Bow springs are hardened and tempered
- Available in three sizes

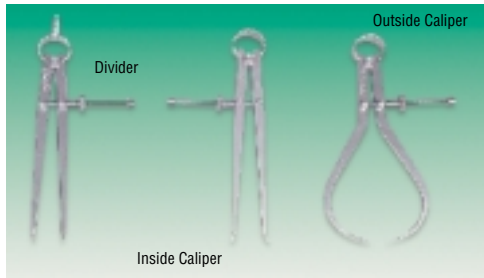
MAI80

| Size      | Mfrs'<br>List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------|-------------------|-----------------|----|----|----|-----|
| 100mm/4"  | 8201-004          | <b>715-9936</b> |    |    |    |     |
| 150mm/6"  | 8201-006          | <b>715-9948</b> |    |    |    |     |
| 250mm/10" | 8201-010          | <b>715-9950</b> |    |    |    |     |

## Spring Calipers

## Calipers

## ECLIPSE



- Bow spring dividers and calipers manufactured from high quality tool steel with a polished finish
- The divider points are finely ground and hardened

mai20

|                             | Mfrs.<br>List No. | Order Code      | 1+ | 3+ | 10+ |
|-----------------------------|-------------------|-----------------|----|----|-----|
| Divider, 0 – 166mm          | 506               | <b>.443-207</b> |    |    |     |
| Inside calliper, 9 – 176mm  | 516               | <b>.443-219</b> |    |    |     |
| Outside calliper, 0 – 160mm | 526               | <b>.443-220</b> |    |    |     |

## Hermaphrodite Calipers



- High-quality firm-joint hermaphrodite calipers
- Locating point and hardened adjustable point
- Suitable for marking out of steel
- Available in two sizes



MAI83

| Size     | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------|----------------|-----------------|----|----|----|-----|
| 100mm/4" | 8400-004       | <b>716-0290</b> |    |    |    |     |
| 150mm/6" | 8400-006       | <b>716-0306</b> |    |    |    |     |

## External Spring Calipers Quick-Nut



- External quick-adjusting nut calipers
- Fast setting, but still allows fine adjustment
- Manufactured from high-quality carbon steel with a natural polished finish
- Fulcrum studs are hardened and ground
- Bow springs are hardened and tempered
- Available in three sizes



MAI79

## Spring Dividers Solid-Nut



- Centrally-located adjustment screw
- Manufactured from high-quality carbon steel with a natural polished finish
- Fulcrum studs are hardened and ground
- Bow springs are hardened and tempered
- Available in three sizes



MAI81

| Size      | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------|----------------|-----------------|----|----|----|-----|
| 100mm/4"  | 8100-004       | <b>716-0136</b> |    |    |    |     |
| 150mm/6"  | 8100-006       | <b>716-0148</b> |    |    |    |     |
| 250mm/10" | 8100-010       | <b>716-0150</b> |    |    |    |     |

## Spring Dividers Quick-Nut



- Quick-adjusting spring dividers
- Fast setting, but still allows fine adjustment
- Manufactured from high-quality carbon steel with a natural polished finish
- Fulcrum studs are hardened and ground
- Bow springs are hardened and tempered
- Available in three sizes



MAI82

| Size      | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ | 12+ |
|-----------|----------------|-----------------|----|----|----|-----|
| 100mm/4"  | 8101-004       | <b>716-0227</b> |    |    |    |     |
| 150mm/6"  | 8101-006       | <b>716-0239</b> |    |    |    |     |
| 250mm/10" | 8101-010       | <b>716-0240</b> |    |    |    |     |

## Protractors

## Protractors



- Used for drawing radial lines, transferring angles and setting bevels
- Made from tempered steel with satin-chrome finish
- Measures angles from 0° – 180°
- Features 6" arm and knurled thumb lock nut
- Head measures 3"x 2"
- Available with round or square end

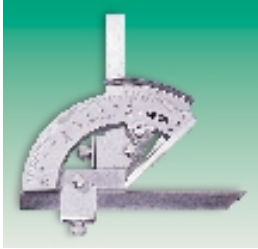


MAI76

|            | Mfrs' List No. | Order Code      | 1+ | 3+ | 6+ |
|------------|----------------|-----------------|----|----|----|
| Round end  | 5180           | <b>715-9547</b> |    |    |    |
| Square end | 5170           | <b>715-9559</b> |    |    |    |



## Universal Precision Protractor



- Special protractor for measuring internal and external angles
- Outer angle range is 0° – 180°
- Inner angle range is 40° – 180°
- Protractor scale graduated 320 x 1°
- Vernier scale reads to 2 minutes of arc
- Both scales are stainless steel with a satin-chrome finish
- 6" blades are manufactured from alloy steel, hardened and ground
- Overall accuracy of the unit is ±2 minutes

MAI78

|                |            | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
| Mfrs' List No. | Order Code | 1+         | 3+ | 6+ | 12+ |
| 52-447-000     | 715-9602   |            |    |    |     |

## Protractor with Blades



- Dial face and Vernier in satin-chrome finish
- Magnifier for easy reading of Vernier scale
- Protractor dial graduated 360 x 1°
- Vernier scale reads to 5 minutes of arc
- Blades bevelled at 45° on one end and 60° at other
- Supplied with 6" and 12" blades

MAI77

|                |            | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
| Mfrs' List No. | Order Code | 1+         | 3+ | 6+ | 12+ |
| 52-440-612     | 715-9596   |            |    |    |     |

## Bevel Protractor Set



- A high-precision bevel protractor for accurate angular measurement
- Minimum reading 5°
- Maximum angular error ±5°
- Supplied with 12"/300mm rule, magnifier and holder

Mitutoyo

MAI67

| Range     | Mfrs' List No. | Order Code | 1+ | 3+ | 6+ |
|-----------|----------------|------------|----|----|----|
| 12"/300mm | 187-908        | 715-7575   |    |    |    |

## Combination Sets



- Four-piece combination set: 300mm blade, square, centre and protractor head
- All items also available separately (plus 600mm blade)
- Imperial divisions subdivided to 64ths and 32nds of an inch
- Metric divisions subdivided to 0.5mm



MAI74

|                 |            | Price Each |    |    |     |
|-----------------|------------|------------|----|----|-----|
| Mfrs' List No.  | Order Code | 1+         | 3+ | 6+ | 12+ |
| Combination set | 7127-012H  | 715-9031   |    |    |     |
| Square head     | 7121-012H  | 715-9043   |    |    |     |
| Centre head     | 7122A-012H | 715-9055   |    |    |     |
| Protractor head | 7119A-012H | 715-9067   |    |    |     |
| 300mm blade     | 7187-012   | 715-9079   |    |    |     |
| 600mm blade     | 7187-024   | 715-9080   |    |    |     |

## Bevel Protractor Set



- A high-precision bevel protractor for accurate angular measurement
- Minimum reading 5°
- Maximum angular error ±5°
- Supplied with 6"/150mm blade, magnifier and holder

Mitutoyo

MAI68

## LINEAR TOOLS

|        |                | Price Each |    |    |    |
|--------|----------------|------------|----|----|----|
| Range  | Mfrs' List No. | Order Code | 1+ | 3+ | 6+ |
| 6"/150 | 187-907        | 715-7654   |    |    |    |

## Squares

### Engineers' Try Squares



Conforms to BSS 939 : 1962 Grade B.

Working surfaces are precision ground to fine limits



mai27

|                      |            | Price Each |    |     |     |
|----------------------|------------|------------|----|-----|-----|
| Mfrs' List No.       | Order Code | 1+         | 4+ | 20+ | 30+ |
| 122mm (4 7/8") blade | 414"       | 108-345    |    |     |     |
| 150 (6") blade       | 416"       | 108-346    |    |     |     |

### Combination Try & Mitre Square



- A 90° try square, 45° try square, height/depth gauge, spirit level, marking gauge and ruler

RABONE

mai28

|                |            | Price Each |    |     |     |
|----------------|------------|------------|----|-----|-----|
| Mfrs' List No. | Order Code | 1+         | 4+ | 20+ | 30+ |
| 1912           | 108-391    |            |    |     |     |

### Carpenters' Combination Square



- Complete with square head and 12" blade
- Square head provides 90° and 45° angles
- Includes spirit level and scribing point
- Blade is 2mm thick and 25.5mm wide
- Graduated to 16ths and 32nds of an inch and to 1.0mm

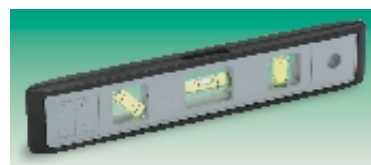


MAI75

|                |            | Price Each |    |    |     |
|----------------|------------|------------|----|----|-----|
| Mfrs' List No. | Order Code | 1+         | 3+ | 6+ | 12+ |
| 7111-012       | 715-9493   |            |    |    |     |

## Levels

### Torpedo Level



- 9" torpedo level
- Made from strong ABS plastic
- Three vials – level, plumb and 450
- Vee groove for conduit and pipe

MAI104

|            |  | Price Each |    |    |     |
|------------|--|------------|----|----|-----|
| Order Code |  | 1+         | 3+ | 6+ | 12+ |
| 716-9000   |  |            |    |    |     |

continued

## Levels — continued

## Magnetic Torpedo Level



- 9" heavy-duty aluminium cast frame
- Tinted 360° vials for easy reading
- Large top-read vial window
- Magnetic strip allows hands-free operation on metal surfaces
- Ideal for pipe and conduit work

STANLEY

MAI102

| Mfrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|----------------|------------|----|----|----|-----|
| 0-42-465       | 716-8810   |    |    |    |     |

## Pocket Level

New



C.K.

- Multipurpose ABS plastic level with detachable line level
- Complete with horizontal vial, Vertical vial and magnetic base
- Detachable line level has a magnetic base

MAI122

| Order Code | 1+ | 5+ | 10+ | 20+ |
|------------|----|----|-----|-----|
| 328-0068   |    |    |     |     |

## Aluminium Box Level



- Box section aluminium spirit level 24"
- Two solid acrylic block vials
- 1mm/metre accuracy
- Shock-absorbing end caps

MAI103

| Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|----|----|----|-----|
| 716-8901   |    |    |    |     |

## Engineers Levels

New



Mitutoyo

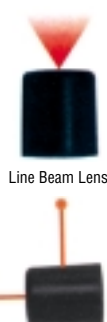
- High precision longitudinal and traverse vials make it possible to check or level surfaces
- Incorporates zero adjustment levels
- Vee slot in base

| Size  | Sensitivity | Indicating error<br>Graduation | Order Code |
|-------|-------------|--------------------------------|------------|
| 200mm | 0.1mm/1m    | 0.1mm/1m                       | 321-6391   |
| 200mm | 0.05mm/1m   | 0.05mm/1m                      | 321-6408   |
| 200mm | 0.02mm/1m   | 0.02mm/1m                      | 321-6410   |

MAI135

| Sensitivity | Order Code | 1+ | 3+ | 6+ | 12+ |
|-------------|------------|----|----|----|-----|
| 0.1mm/1m    | 321-6391   |    |    |    |     |
| 0.05mm/1m   | 321-6408   |    |    |    |     |
| 0.02mm/1m   | 321-6410   |    |    |    |     |

## Laser Level



Line Beam Lens

## Laser Level Kit

## Split Beam Lens

- 4" mini pocket laser level with 90° split beam and laser line lens options
- The laser level utilises advanced micro electronics
- Hexagonal heavy metal case with centrally located horizontal green level bubble
- Laser emits a beam of a maximum 6mm point up to a distance of 150m
- The holder also incorporates a horizontal green level bubble
- **Laser Level Kit:** Each kit is supplied with a 100mm laser level, laser level holder, tripod, calibration wrench and batteries.
- **Split Beam Lens:** This splits the laser beam prism in two, giving both a 0° and 90° laser output. This is ideal for verification of correct orientation of both the horizontal and vertical planes.
- **Line Beam Lens:** This deflects the laser beam to form a single projected line up to a distance of 5m. Ideal for alignment applications or providing a 3-D cutting line guide.
- **Laser Enhancement Glasses:** These enhance the intensity of the projected laser dot or line in light or bright environmental conditions.
- **Instrument Tripod:** Full size tripod with metal tipped rubber feet. Operating height: min. 430mm, max. 1220mm

WARNING: Class 2 laser. Do not stare into beam.

TE073

|                     | Order Code | 1+ | 3+ | 6+ | 12+ | 24+ |
|---------------------|------------|----|----|----|-----|-----|
| Laser level kit     | 723-0588   |    |    |    |     |     |
| Split beam lens     | 723-0590   |    |    |    |     |     |
| Line beam lens      | 723-0606   |    |    |    |     |     |
| Enhancement glasses | 723-0618   |    |    |    |     |     |
| Instrument tripod   | 723-0620   |    |    |    |     |     |

## Plastic Line Level



- 3" line level made from strong ABS plastic
- Can be used as a small surface level

MAI105

| Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|----|----|----|-----|
| 716-9152   |    |    |    |     |

## Bull's-Eye Level



- Levels in all directions in one easy reading
- Moulded from acrylic plastic with mounting holes
- 1 3/4" diameter

TE075

| Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|----|----|----|-----|
| 723-9324   |    |    |    |     |

## Cross Check Level



- Reads in two directions at one time
- Compact size with screw holes for mounting
- Moulded from ABS plastic
- 2 1/4" in length

TE076

| Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|----|----|----|-----|
| 723-9336   |    |    |    |     |

## Post Level



- Levels in both planes
- Hands-free operation
- Strong ABS plastic

MAI106

| Order Code | 1+ | 3+ | 6+ | 12+ |
|------------|----|----|----|-----|
| 716-9164   |    |    |    |     |

## Chalk Line

### Chalk Line



- A chalk line ideal for conduit and pipe installation

| Mfrs. List No.     | Order Code | 1+ | 4+ | 20+ |
|--------------------|------------|----|----|-----|
| Chalk line 11528   | 202-010    |    |    |     |
| Chalk refill 13703 | 202-022    |    |    |     |

## Angle Meters

### Angle Finder/Setter



- Suitable for finding or setting any angle
- Constructed steel from aluminium
- Can be used alone, with straight edge or placed over the section of a box section level



| Order Code | 1+ | 6+ | 12+ | 24+ |
|------------|----|----|-----|-----|
| 328-0056   |    |    |     |     |

### Angle Locators

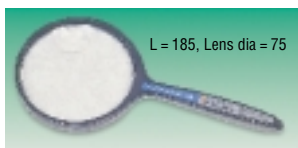


- Ideal for obtaining or transferring any angle or pitch
- Measures angles instantly and accurately from 0 to 90° in any quadrant
- Manufactured from durable ABS plastic
- Typical applications include determining slope of electrical conduit, setting up machinery, determining rafter angles etc.
- The 700 has a permanent, ceramic magnetic base

| Mfrs. List No.            | Order Code | 1+ | 3+ | 6+ | 12+ |
|---------------------------|------------|----|----|----|-----|
| Magnetic, 4" Dia. 700     | 723-9403   |    |    |    |     |
| Standard, 2 7/8" Dia. 750 | 723-9415   |    |    |    |     |

## Magnification

### Standard Round Style

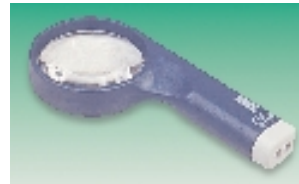


- 75mm lightweight plastic magnifier
- Main lens is a x2 magnification with an inset giving x4 magnification



| Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | 30+ |
|----------------|------------|----|----|-----|-----|
| M707           | 108-338    |    |    |     |     |

## High Power, Round



- 50mm 6 magnification bi-aspheric lens of exceptional quality
- Ideal for inspection of PCB soldering. Supplied with a protective pouch

L = 135, Lens dia. = 50

| Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | 40+ |
|----------------|------------|----|----|-----|-----|
| 5206           | 267-259    |    |    |     |     |

## Focal Plane Magnifier



- Magnifier for inspecting flat surfaces such as unpopulated PCBs, print quality or fabric structure
- The lens has 1.7 magnification and is a simple hemisphere made of acrylic

H = 30, Dia. = 50

| Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | 40+ |
|----------------|------------|----|----|-----|-----|
| 5850           | 267-260    |    |    |     |     |

## Loupe Style



- 3 magnification Loupe style magnifier
- Designed to give optimum magnification, with low distortion at the focal plane

H = 57, W = 59, D = 49

| Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | 30+ |
|----------------|------------|----|----|-----|-----|
| M732           | 108-339    |    |    |     |     |

## Pocket Magnifier



- 10 magnification pocket magnifier, housed in a protective metal case
- A clear crisp image and is ideal for general inspection purposes

Dimensions closed  
H = 16, W = 41, D = 24

| Order Code | 1+    | 4+ | 20+ | 30+ |
|------------|-------|----|-----|-----|
| 201-923    | 60.00 |    |     |     |

## Eye Magnifiers



- Inspection eye magnifiers
- Lens holder is made from a semi-rigid plastic
- Lens is made from a high quality scratch resistant optical grade polymer
- 7 and 4 magnification but can be piggy-backed to give 28

L = 32, Dia. = 43

| Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | 40+ |
|----------------|------------|----|----|-----|-----|
| 4 5404         | 201-870    |    |    |     |     |
| 7 5408         | 201-881    |    |    |     |     |

continued

## Magnification — continued

## Spectacle, Clip On Magnifier



- Magnifier is designed to clip onto a pair of spectacles
- Can be flipped up out of the line of sight
- Held in place on the spectacle lens by a pair of clips
- With soft plastic covers
- A high quality optical polymer which is scratch resistant

H = 50, W = 35, D = 11

mai40

| Mftrs.<br>List No. | Order Code | 1+       | 4+ | 20+ | 40+ |
|--------------------|------------|----------|----|-----|-----|
| 2.5                | 5328       | .201-893 |    |     |     |
| 3.5                | 5329       | .201-900 |    |     |     |
| 4.75               | 5330       | .201-911 |    |     |     |

## Measuring Magnifier



- A focusable 10 magnifier, equipped with a 1cm scale divided into 0.1mm graduations
- Suitable for measuring flat surface features

H = 40, W = 45, D = 35

mai41

| Order Code | 1+ | 4+ | 20+ | 30+ |
|------------|----|----|-----|-----|
| 201-960    |    |    |     |     |

## Inspection/Measurement Magnifier



- An ideal inspection tool for quality control
- Eye lens can be focused to accommodate sight irregularities and the focus setting locked if desired
- Base allows light onto the inspection area
- The field of view is 25mm
- Graticules can be mounted in the base ring
- Two styles, 0 to 25mm and 0±12mm centre zero, each is divided down to 0.1mm



H = 57, Dia = 40

mai42

| Mftrs.<br>List No.  | Order Code | 1+      | 3+ | 6+ | 12+ |
|---------------------|------------|---------|----|----|-----|
| MAG6                | 456-962    |         |    |    |     |
| 0 to 25mm graticule | M6T1       | 456-974 |    |    |     |
| 0±12mm graticule    | M6T10      | 456-986 |    |    |     |

## Pocket Magnifiers



- Handy instrument for localised magnification
- Ideal for use in the printing industry

Mitutoyo



MAI133

| Magnification    | Order Code | 1+ | 3+ | 6+ | 12+ |
|------------------|------------|----|----|----|-----|
| 25 x (Slim type) | 322-8629   |    |    |    |     |
| 25 x             | 322-8630   |    |    |    |     |
| 50 x             | 322-8642   |    |    |    |     |

## Volume Pricing

If your requirements exceed the quantities in this catalogue, please ring us on (65) 788 0200.

## Work Magnifier



- Magnification of x 1.7 and can be adjusted to suit the user
- Made from optical grade acrylic

H = 205, W = 170, D = 18

mai50

| Mftrs.<br>List No. | Order Code | 1+ | 4+ | 20+ | 40+ |
|--------------------|------------|----|----|-----|-----|
| 5820               | 267-272    |    |    |     |     |

## 3-D Magnifier



- Enlarges close work so that it can be seen clearly in 3 dimensions
- Adjusts to any head size comfortably
- Prevents squinting, saves time and increases accuracy
- Available in 3 different magnifications

TE083

| Lens Power | Order Code | 1+ | 3+ | 6+ | 12+ | 24+ |
|------------|------------|----|----|----|-----|-----|
| 1 3/4 X    | 724-5816   |    |    |    |     |     |
| 2 1/4 X    | 724-5828   |    |    |    |     |     |
| 2 3/4 X    | 724-5830   |    |    |    |     |     |

## Bench Magnifiers

## Magnifying Lamp



- Practical and functional aid for the assembly of small components etc
- Semi-rimless 130mm dia 1.75x magnification lens gives uninterrupted view of work
- Head is mounted on a spring balanced arm with friction control
- Fitted with a 60 watt daylight bulb and comes complete with table clamp & long power lead



MAI202

| Mftrs.<br>List No.        | Order Code | 1+       | 5+ |
|---------------------------|------------|----------|----|
| White                     | D21000     | 352-1606 |    |
| Black                     | D21001     | 352-1618 |    |
| Screw Down Bracket, White | D90577     | 352-1620 |    |
| Wall Bracket, White       | D90578     | 352-1679 |    |

Magnifying Lamp  
Standard Fluorescent

- Sturdy, all metal construction makes this ideal for fine assembly and inspection work in many applications
- 120mm dia 3 dioptr 1.75x magnification lens
- Head is mounted on a spring balanced arm with friction control
- Fitted with 22 watt daylight tube and comes complete with table clamp & lens cover



MAI203



|                           | Mfrs.<br>List No. | Order Code      | Price Each |    |
|---------------------------|-------------------|-----------------|------------|----|
| Magnifier                 | D20257            | <b>352-1631</b> | 1+         | 5+ |
| Replacement Tube          | D13610            | <b>352-1643</b> |            |    |
| 5 Dioptre 2.2x mag lens   | D90970            | <b>352-1655</b> |            |    |
| Screw Down Bracket, White | D90577            | <b>352-1620</b> |            |    |
| Wall Bracket, White       | D90578            | <b>352-1679</b> |            |    |

## Magnifying Lamp Classic Fluorescent



- Sturdy, all metal construction makes this ideal for fine assembly, inspection and quality control in industry
- 120mm dia 3 dioptre 1.75x magnification and 5 dioptre 2.2x magnification lenses
- Head is mounted on a spring balanced arm with friction control
- Fitted with 22 watt daylight tube & diffuser and comes complete with table clamp



MAI204

|                               | Mfrs.<br>List No. | Order Code      | Price Each |    |
|-------------------------------|-------------------|-----------------|------------|----|
| Magnifier                     | D20251            | <b>352-1667</b> | 1+         | 5+ |
| Replacement Tube              | D13610            | <b>352-1643</b> |            |    |
| Extra 5 Dioptre 2.2x mag lens | D90970            | <b>352-1655</b> |            |    |
| Screw Down Bracket, White     | D90577            | <b>352-1620</b> |            |    |
| Wall Bracket, White           | D90578            | <b>352-1679</b> |            |    |

## Microscopes

### Monocular Measurement Microscope



- x20 magnification monocular measuring microscope
- 4mm measuring eye piece divided into 0.02mm
- Light weight but robust construction make it ideal for inspection and measurement
- Works well in normal lighting, but fitted with a penlight torch illumination



H = 163,  
Dia. = 50

mai45

| Mfrs.<br>List No. | Order Code     | 1+ | 3+ | 6+ | 12+ |
|-------------------|----------------|----|----|----|-----|
| P821              | <b>456-949</b> |    |    |    |     |

### Monocular Measurement Microscope



- Lightweight microscope capable of measuring linear and depth dimensions
- Fitted with a measuring graticule for linear dimensions and the focusing mechanism is graduated for depth measurement
- The microscope is supported on a transparent perspex skirt

PEAK

H = 125, W = 40, D = 40

|    | Linear<br>Measurement | Depth<br>Measurement | Mfrs. List No. | Order Code |
|----|-----------------------|----------------------|----------------|------------|
| 25 | 0.05mm                | 0.1mm                | 2008-25        | 201-935    |
| 50 | 0.02mm                | 0.1mm                | 2008-50        | 201-947    |

mai46

|    | Order Code     | 1+ | 3+ | 6+ |
|----|----------------|----|----|----|
| 25 | <b>201-935</b> |    |    |    |
| 50 | <b>201-947</b> |    |    |    |

## PCB Through Hole Inspection



- Maxta PCB through-hole microscope for critical inspection of plated through holes in printed circuit boards
- Inspector has a view of the complete hole, the image is distorted to a bucket (truncated cone) shape
- Should be used in conjunction with a light box
- Faults can be quickly identified such as voids, drill damage, burrs, de-wetting etc.
- Suitable for use on holes 0.5 to 3mm in diameter on boards up to 3mm thick



H = 215, Dia = 50

mai47

| Mfrs.<br>List No. | Order Code     | 1+ | 3+ | 6+ |
|-------------------|----------------|----|----|----|
| P875              | <b>456-950</b> |    |    |    |

## Stereo Microscopes



- High quality stereo microscopes for surface inspection

### Stereo Standard

- Supplied with 2x and 4x objectives and 10x eye piece, top illumination
- Objectives are mounted on a revolving turret with a positive click stop
- Adjustable eyepieces are set at 45°
- positive rack and pinion focussing

### Stereo Deluxe

- As above with top, bottom or both lighting options
- Eyepiece turret rotates through 360°

### Stereo Zoom

- 10x magnification lens, 0.65-4.5x stereo objective gives 6.5x45x variable magnification
- Incidental and transmitted light, working distance 95mm

mai113

| Mfrs.<br>List No.          | Order Code      | 1+ | 3+ | 6+ | 12+ |
|----------------------------|-----------------|----|----|----|-----|
| Stereo Standard 59-020-040 | <b>722-2294</b> |    |    |    |     |
| Stereo Deluxe 59-020-060   | <b>722-2300</b> |    |    |    |     |
| Stereo Zoom 59-020-200     | <b>722-2312</b> |    |    |    |     |
| Replacement 6W Bulb        | <b>321-5088</b> |    |    |    |     |
| 12V 10W Halogen            | <b>321-5090</b> |    |    |    |     |
| 240V 5W Bulb               | <b>321-5118</b> |    |    |    |     |
| 6V 15W Bulb                | <b>321-5120</b> |    |    |    |     |

## Stereo Long Reach Microscope



- Ideal for viewing the surface of items that will not fit onto a conventional microscope plate
- Top swivelling light source 12v lamp 220v supply
- x10 eyepieces with adjustable centres and rubber caps
- x2 objective lens giving x20 magnification
- Positive rack and pinion focussing, overall column height 290mm
- Articulated 290mm extension arm

mai114

| Mfrs.<br>List No.            | Order Code      | 1+ | 3+ | 6+ | 12+ |
|------------------------------|-----------------|----|----|----|-----|
| 59-020-100                   | <b>722-2324</b> |    |    |    |     |
| Replacement 2W Bulb          | <b>321-5106</b> |    |    |    |     |
| Replacement 10W Halogen Bulb | <b>344-0977</b> |    |    |    |     |

continued

## Microscopes — continued

## Microscope Accessories

- Range of lenses suitable for use with the microscopes listed above

| Description               | Mftrs. List No. | Suitable For               | Order Code |
|---------------------------|-----------------|----------------------------|------------|
| Eyepiece 15x              | 59-020-041      | 722-2294 722-2300 722-2324 | 722-2336   |
| Eyepiece 20x              | 59-020-042      | 722-2294 722-2300 722-2324 | 722-2348   |
| Eyepiece 10x metric scale | 59-020-045      | 722-2294 722-2300 722-2324 | 722-2350   |
| Magnification lens 16x    | 59-020-046      | 722-2312                   | 722-2361   |
| Magnification lens 20x    | 59-020-047      | 722-2312                   | 722-2373   |
| Magnification 25x         | 59-020-048      | 722-2312                   | 722-2385   |
| Objective lens 0.5x       | 59-020-050      | 722-2312                   | 722-2397   |
| Objective lens 0.75x      | 59-020-051      | 722-2312                   | 722-2403   |
| Objective lens 1.5x       | 59-020-052      | 722-2312                   | 722-2415   |
| Objective lens 2x         | 59-020-053      | 722-2312                   | 722-2427   |
| Long reach Stand          | 59-020-210      | 722-2312                   | 722-2439   |

mal115

| Mftrs. List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------|------------|----|----|----|-----|
| 59-020-041      | 722-2336   |    |    |    |     |
| 59-020-042      | 722-2348   |    |    |    |     |
| 59-020-045      | 722-2350   |    |    |    |     |
| 59-020-046      | 722-2361   |    |    |    |     |
| 59-020-047      | 722-2373   |    |    |    |     |
| 59-020-048      | 722-2385   |    |    |    |     |
| 59-020-050      | 722-2397   |    |    |    |     |
| 59-020-051      | 722-2403   |    |    |    |     |
| 59-020-052      | 722-2415   |    |    |    |     |
| 59-020-053      | 722-2427   |    |    |    |     |
| 59-020-210      | 722-2439   |    |    |    |     |

## Clear Microscope Slides



- 1-1.2mm thickness
- Supplied in packs of 50
- Dimensions of 76x26 mm

LIN184

| 50 Per Pack Order Code | 1+ | Price Each | 5+ | 15+ | 20+ |
|------------------------|----|------------|----|-----|-----|
| 724-0296               |    |            |    |     |     |

## Marking

## Disposable Etching Pen

## LINEAR TOOLS



- Suitable for etching codes, sizes and identification references
- For use on all steel and copper surfaces
- Ideal for identification of workshop tools, instruments and machines

MAI71

| Mftrs' List No. | Order Code | 1+ | 3+ | 6+ | 12+ |
|-----------------|------------|----|----|----|-----|
| 52-730-005      | 715-8543   |    |    |    |     |

## Scribers



## ECLIPSE

222:  
Length = 190,  
Dia. = 7

225:  
Closed  
length = 88.9,  
Dia. = 10

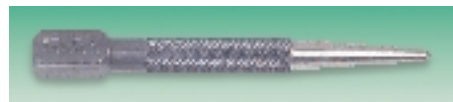
- A professional scriber with straight and 90° hardened scribe points
- Pocket scriber with pearl chrome plated body and knurled chuck
- The scriber point which is made from tungsten carbide can be reversed in the body for convenient storage

hat408

| Mftrs. List No.    | Order Code | 1+ | 4+ | 20+ | 40+ |
|--------------------|------------|----|----|-----|-----|
| Scriber 222        | 425-357    |    |    |     |     |
| Pocket scriber 225 | 425-369    |    |    |     |     |
| Spare point 22502  | 425-370    |    |    |     |     |

## Square Head Centre Punches

## ECLIPSE



- Square head prevents the punch rolling off the bench

hat409

| Mftrs. List No.                     | Order Code    | 1+ | 4+ | 20+ | 40+ |
|-------------------------------------|---------------|----|----|-----|-----|
| Point dia. 3.2mm, body dia. 8.73mm  | 351A .443-037 |    |    |     |     |
| Point dia. 4.76mm, body dia. 8.73mm | 351C .443-049 |    |    |     |     |

## Adjustable Automatic Centre Punch

## ECLIPSE



- For marking and indenting a work piece prior to drilling
- Automatic mechanism delivers a punch when hard pressure is applied
- No hammering required, operating pressure can be adjusted

hat118

| Mftrs. List No. | Order Code | 1+ | 4+ | 20+ |
|-----------------|------------|----|----|-----|
| 171             | .443-050   |    |    |     |

## Hardened Sets



- Number punches supplied as set of 9 in tough plastic case
- Manufactured from specially-selected steel, correctly hardened and tempered
- Letter punches supplied as set of 27, A to Z plus the & symbol, in tough plastic case

| Figure Size | Length      | Mftrs. List No. | Order Code |
|-------------|-------------|-----------------|------------|
| 3mm/1/8"    | 65mm/2 1/2" | T3301 12        | 105-247    |
| 6mm/1/4"    | 75mm/3"     | T3301 25        | 709-7372   |
| Letter Size |             |                 |            |
| 3mm/1/8"    | 65mm/2 1/2" | T3303 12        | 105-246    |
| 6mm/1/4"    | 75mm/3"     | T3303 25        | 709-7396   |
| 12.5mm/1/2" | 80mm/3 1/8" | T3303 50        | 709-7402   |

HAT101

| Order Code | 1+ | 4+ | 20+ | 40+ |
|------------|----|----|-----|-----|
| 105-247    |    |    |     |     |
| 709-7372   |    |    |     |     |
| 105-246    |    |    |     |     |
| 709-7396   |    |    |     |     |
| 709-7402   |    |    |     |     |