# TOOLS & EQUIPMENT

CATALOGUE



INDUSTRI

TOOLS & EQUIPMENT



*'Let's Get To Work!'*

BOSCH Starrett Mitutoyo STANLEY

| Digital Angle Measurers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Arm Length | Range | Uom | Brand |
| BS0500 | A0004695 | 40 cm | 0-200° | EA | Bosch |


A0004695

| Magnetic Bases | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Detail | Uom | Brand |
| ST1150 | A0014255 | Heavy-Duty | EA | Starrett |
| MU0150 | A0010908 | Heavy-Duty | EA | Mitutoyo |
| QC0080 | A0011833 | Heavy-Duty | EA | QCW |
| ST1155 | A0014256 | Fine Adjustment | EA | Starrett |
| MU0155 | A0010909 | Fine Adjustment | EA | Mitutoyo |
| MU0160 | A0010910 | Flexible | EA | Mitutoyo |


A0010909


A0010908


A0011833


A0010910

| Bevel Squares | | | | | | |
|---|---|---|---|---|---|---|
| Stock Code | System Code | Size | Type | Material | Uom | Brand |
| SN0003 | A0013991 | 200 mm | Handyman | Plastic | EA | Stanley |
| BK0130 | A0004586 | 200 mm | Sliding | Aluminium | EA | Boker |

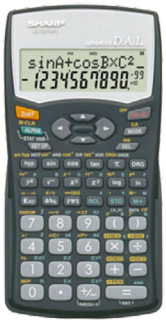

A0013991


A0004586

| Mitre Boxes | | | |
|---|---|---|---|
| Stock Code | System Code | Uom | Brand |
| SN0141 | A0014026 | EA | Stanley |


A0014026

| Scientific Calculators | | | |
|---|---|---|---|
| Stock Code | System Code | Uom | Brand |
| MS0112 | A0010281 | EA | Sharp |
| MS0113 | A0010282 | EA | Casio |


A0010281


A0010282

Pictures may vary from the actual product.


A0010891


A0014252


A0010895


A0010897

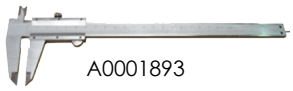

A0014248

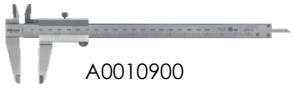

A0011816

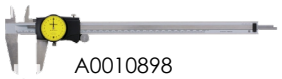

A0010894


A0014250

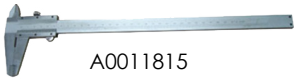

A0011810


A0001893

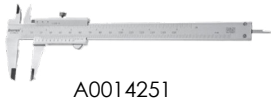

A0010900


A0010898


A0010896


A0011815


A0010904


A0014251

**Vernier Calipers**

| Stock Code | System Code | Size | Gradient | Type | Uom | Brand |
|---|---|---|---|---|---|---|
| MU0060 | A0032480 | 130 mm | 0.02 mm | Standard | EA | Mitutoyo |
| ST1085 | A0014248 | 150 mm | 0.01 mm | Dial | EA | Starrett |
| ST1130 | A0014252 | 150 mm | 0.01 mm | Digital | EA | Starrett |
| QC0015 | A0011816 | 150 mm | 0.01 mm | Digital | EA | QCW |
| MU0085 | A0028449 | 150 mm | 0.01 mm | Digital | EA | Mitutoyo |
| MW1330 | A0010959 | 150 mm | 0.02 mm | Standard | EA | Moore & Wright |
| ST1080 | A0014247 | 150 mm | 0.02 mm | Standard | EA | Starrett |
| QC0000 | A0011809 | 150 mm | 0.02 mm | Standard | EA | QCW |
| MU0080 | A0028561 | 150 mm | 0.02 mm | Standard | EA | Mitutoyo |
| ST1065 | A0014246 | 150 mm | 0.05 mm | Standard | EA | Starrett |
| MU0090 | A0028475 | 150 mm | 0.05 mm | Dial | EA | Mitutoyo |
| MU0065 | A0032474 | 150 mm | 0.05 mm | Standard | EA | Mitutoyo |
| MU0075 | A0034820 | 150 mm | 0.05 mm | Standard | EA | Mitutoyo |
| ST1097 | A0014250 | 180 mm | 0.02 mm | Standard | EA | Starrett |
| QC0002 | A0011810 | 180 mm | 0.02 mm | Fine Adjustment | EA | QCW |
| MU0097 | A0031456 | 180 mm | 0.02 mm | Standard | EA | Mitutoyo |
| MU0135 | A0028450 | 200 mm | 0.01 mm | Digital | EA | Mitutoyo |
| QC0005 | A0001893 | 200 mm | 0.02 mm | Standard | EA | QCW |
| MU0110 | A0028847 | 200 mm | 0.02 mm | Standard | EA | Mitutoyo |
| ST1095 | A0014249 | 200 mm | 0.05 mm | Standard | EA | Starrett |
| MU0095 | A0031954 | 200 mm | 0.05 mm | Standard | EA | Mitutoyo |
| MU0100 | A0031955 | 200 mm | 0.05 mm | Standard | EA | Mitutoyo |
| MU0120 | A0032461 | 300 mm | 0.01 mm | Digital | EA | Mitutoyo |
| QC0009 | A0011814 | 300 mm | 0.02 mm | Standard | EA | QCW |
| MU0092 | A0028848 | 300 mm | 0.02 mm | Dial | EA | Mitutoyo |
| ST1125 | A0014251 | 300 mm | 0.05 mm | Standard | EA | Starrett |
| QC0010 | A0011815 | 300 mm | 0.05 mm | Standard | EA | QCW |
| MU0125 | A0032475 | 300 mm | 0.05 mm | Standard | EA | Mitutoyo |
| MU0130 | A0032478 | 300 mm | 0.05 mm | Standard | EA | Mitutoyo |
| MU0093 | A0032343 | 600 mm | 0.02 mm | Standard | EA | Mitutoyo |

 Pictures may vary from the actual product.

## Calipers

| Stock Code | System Code | Size | Type | Type | Uom | Brand |
|---|---|---|---|---|---|---|
| GR0100 | A0007890 | 75 mm | Spring | Inside | EA | Groz |
| MW0050 | A0010943 | 75 mm | Spring | Inside | EA | Moore & Wright |
| GR0150 | A0007896 | 75 mm | Spring | Outside | EA | Groz |
| MW0060 | A0010949 | 75 mm | Spring | Outside | EA | Moore & Wright |
| GR0101 | A0007891 | 100 mm | Spring | Inside | EA | Groz |
| MW0051 | A0010944 | 100 mm | Spring | Inside | EA | Moore & Wright |
| GR0151 | A0007897 | 100 mm | Spring | Outside | EA | Groz |
| MW0061 | A0010950 | 100 mm | Spring | Outside | EA | Moore & Wright |
| MW0067 | A0010955 | 150 mm | Jenny | Firm Joint | EA | Moore & Wright |
| GR0250 | A0007908 | 150 mm | Jenny | Firm Joint | EA | Groz |
| GR0102 | A0007892 | 150 mm | Spring | Inside | EA | Groz |
| MW0052 | A0010945 | 150 mm | Spring | Inside | EA | Moore & Wright |
| GR0152 | A0007898 | 150 mm | Spring | Outside | EA | Groz |
| MW0062 | A0010951 | 150 mm | Spring | Outside | EA | Moore & Wright |
| GR0103 | A0007893 | 200 mm | Spring | Inside | EA | Groz |
| MW0053 | A0010946 | 200 mm | Spring | Inside | EA | Moore & Wright |
| GR0153 | A0007899 | 200 mm | Spring | Outside | EA | Groz |
| MW0063 | A0010952 | 200 mm | Spring | Outside | EA | Moore & Wright |
| GR0104 | A0007894 | 250 mm | Spring | Inside | EA | Groz |
| MW0054 | A0010947 | 250 mm | Spring | Inside | EA | Moore & Wright |
| GR0154 | A0007900 | 250 mm | Spring | Outside | EA | Groz |
| MW0064 | A0010953 | 250 mm | Spring | Outside | EA | Moore & Wright |
| GR0105 | A0007895 | 300 mm | Spring | Inside | EA | Groz |
| MW0055 | A0010948 | 300 mm | Spring | Inside | EA | Moore & Wright |
| GR0155 | A0007901 | 300 mm | Spring | Outside | EA | Groz |
| MW0065 | A0010954 | 300 mm | Spring | Outside | EA | Moore & Wright |


A0010955


A0007908


A0007894


A0010944


A0007900


A0010950

## Chalklines

| Stock Code | System Code | Size | Type | Uom | Brand |
|---|---|---|---|---|---|
| SN0708 | A0014086 | - | Reel, Fatmax | EA | Stanley |
| MS0130 | A0002320 | - | Refill, White | EA | Apex |
| SN0704 | A0014083 | 115 g | Refill, Blue | EA | Stanley |
| SN0705 | A0014084 | 115 g | Refill, Red | EA | Stanley |
| SN0701 | A0014081 | 30 m | Die Cast Metal Case | EA | Stanley |
| SN0703 | A0014082 | 30 m | Plastic Case, Reel | EA | Stanley |
| MX0475 | A0011103 | 30 m | Die Cast Metal Case | EA | Maxpower |
| SN0706 | A0014085 | 30 m | Chalkline Replacement | EA | Stanley |

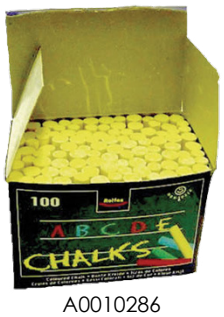

A0014083 A0014084 A0002320


A0014085


A0011103

## Chalks

| Stock Code | System Code | Description | Uom | Brand |
|---|---|---|---|---|
| MS0121 | A0010287 | Soft, Board | BOX | Apex |
| MS0120 | A0010286 | Yellow For Blackboard | BOX | Apex |


A0010286

## Lumber Hard Crayons

| Stock Code | System Code | Colour | Uom | Brand |
|---|---|---|---|---|
| MS0230 | A0010315 | White | EA | Apex |



A0010315

CURV-O-MARK

| Conversion/Reference Engineer Books | | | |
|---|---|---|---|
| Stock Code | System Code | Uom | Brand |
| SM9100 | A0013985 | EA | Somta |
| MS0100 | A0010274 | EA | Zeus |

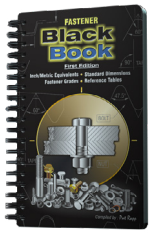


A0010274



A0013985

| Conversion/Reference Fasteners Books | | | |
|---|---|---|---|
| Stock Code | System Code | Uom | Brand |
| SM9100 | A0013985 | EA | Black Book |



A0013985

| Flexible Curves | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| SE0020 | SE0020 | 600 mm | EA | Staedtler |


A0012345

| Centering Heads | | | |
|---|---|---|---|
| Stock Code | System Code | Size | Uom |
| CV0021 | A0005610 | Jumbo | EA |
| CV0020 | A0005609 | Standard | EA |

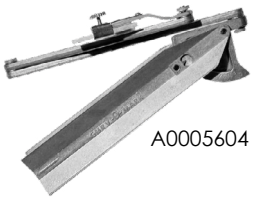

A0005610


A0005609

| Combination Adaptors (Excluding Contour Marker) | | | |
|---|---|---|---|
| Stock Code | System Code | Size | Uom |
| CV0006 | A0005605 | Jumbo | EA |
| CV0004 | A0005603 | Standard | EA |


A0005605

| Contour Markers | | | |
|---|---|---|---|
| Stock Code | System Code | Size/Type | Uom |
| CV0005 | A0005604 | Jumbo | EA |
| CV0000 | A0005602 | Standard | EA |
| CV0007 | A0005606 | Dial/Level | EA |


A0005604


A0005602

| Flange Tools | | | |
|---|---|---|---|
| Stock Code | System Code | Type | Uom |
| CV0033 | A0005616 | Angle Flange Level, Dial | EA |
| CV0010 | A0005607 | Flange Aligner Base | EA |
| CV0014 | A0005608 | Pipe Aligner Flange | EA |


A0005606


A0005616

| Levels | | | |
|---|---|---|---|
| Stock Code | System Code | Type | Uom |
| CV0022 | A0005611 | Pro Mag | EA |
| CV0045 | A0005619 | Universal | EA |


A0005607


A0005608

| Radius Marker | | | |
|---|---|---|---|
| Stock Code | System Code | Type | Uom |
| CV0027 | A0005613 | Standard | EA |


A0005611

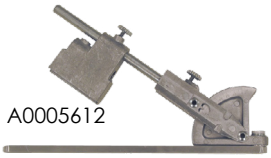
| Soapstone & Holders | | | |
|---|---|---|---|
| Stock Code | System Code | Shape | Uom |
| CV0035 | A0005617 | Flat | EA |
| CV0032 | A0005615 | Flat | 144/Box |
| CV0031 | A0005614 | Flat | EA |


A0005615


A0005619

| Trammel Heads | | | |
|---|---|---|---|
| Stock Code | System Code | Type | Uom |
| CV0040 | A0005618 | Multi | EA |


A0005617


A0005612

| Protractors | | | |
|---|---|---|---|
| Stock Code | System Code | Type | Uom |
| CV0024 | A0005612 | Welder/Pipe Fitter | EA |


A0005614


A0005615


A0005618

 Pictures may vary from the actual product.

| Spring Dividers | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| MW0040 | A0010937 | 75 mm | EA | Moore & Wright |
| GR0200 | A0007902 | 75 mm | EA | Maxpower |
| MW0041 | A0010938 | 100 mm | EA | Moore & Wright |
| GR0201 | A0007903 | 100 mm | EA | Maxpower |
| MW0042 | A0010939 | 150 mm | EA | Moore & Wright |
| GR0202 | A0007904 | 150 mm | EA | Maxpower |
| MW0043 | A0010940 | 200 mm | EA | Moore & Wright |
| GR0203 | A0007905 | 200 mm | EA | Maxpower |
| MW0044 | A0010941 | 250 mm | EA | Moore & Wright |
| GR0204 | A0007906 | 250 mm | EA | Maxpower |
| MW0045 | A0010942 | 300 mm | EA | Moore & Wright |
| GR0205 | A0007907 | 300 mm | EA | Maxpower |


A0010937


A0007902

| Straight Edges | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Material | Uom | Brand |
| RB0300 | A0011950 | 1.0 m | Aluminium | EA | Ross |
| CL1040 | A0005339 | 1.0 m | Aluminium | EA | Castor & Ladder |
| MN0020 | A0010219 | 1.2 m | Steel | EA | Maun |
| CL1041 | A0005340 | 1.5 m | Aluminium | EA | Castor & Ladder |
| MN0021 | A0010220 | 1.5 m | Steel | EA | Maun |
| MN0022 | A0010221 | 1.8 m | Steel | EA | Maun |
| CL1042 | A0005341 | 2.0 m | Aluminium | EA | Castor & Ladder |
| CL1043 | A0005342 | 3.0 m | Aluminium | EA | Castor & Ladder |
| CL1044 | A0005343 | 6.0 m | Aluminium | EA | Castor & Ladder |


A0010219



A0005340

| Electrical Engravers | | | |
|---|---|---|---|
| Stock Code | System Code | Uom | Brand |
| DR0000 | A0005680 | EA | Dremel |
| MS0300 | A0010335 | EA | GMC |


A0005680


A0010335

| Flat File Sureforms | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| SN0510 | 21-A0014056 | 140 mm | EA | Stanley |


A0014056

| Depth Gauges | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Type | Uom | Brand |
| MW0013 | A0010927 | 150 mm | Standard | EA | Moore & Wright |
| GR0352 | A0007910 | 150 mm | With Protractor | EA | Groz |
| MW0015 | A0010929 | 150 mm | With Protractor | EA | Moore & Wright |
| GR0354 | A0007911 | 150 mm | Depth And Angle | EA | Groz |


A0010927


A0007910

Pictures may vary from the actual product.

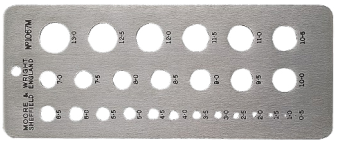
## Dial Indicator Gauges

| Stock Code | System Code | Size | Increments | Uom | Brand |
|---|---|---|---|---|---|
| QC0045 | A0011824 | 0-10 mm | 0.01 mm | EA | QCW |
| ST1057 | A0014245 | 0-10 mm | 0.01 mm | EA | Starrett |
| MU0058 | A0032907 | 0-10 mm | 0.01 mm | EA | Mitutoyo |
| MU0057 | A0032381 | 0-10 mm | 0.01 mm | EA | Mitutoyo |
| MU0050 | A0032391 | 0-1 mm | 0.001 mm | EA | Mitutoyo |
| MU0059 | A0028499 | 0-40 mm | 0.01 mm | EA | Mitutoyo |
| MU0055 | A0028498 | 0-0.8 mm | 0.01 mm | EA | Mitutoyo |


A0011824 A0014245 A0010889

## Drill Gauges

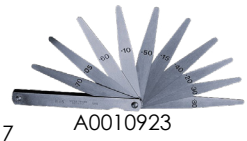
| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| MW0001 | A0010915 | 0.50-19.0 mm | EA | Moore & Wright |


A0010915

## Feeler Gauges (Leaf Thickness X 0.01 mm)

| Stock Code | System Code | Size | Range/Blades | Uom | Brand |
|---|---|---|---|---|---|
| MW0003 | A0010917 | 75 mm | 3-50/13 | EA | Moore & Wright |
| MW0005 | A0010919 | 75 mm | 5-100/20 | EA | Moore & Wright |
| MW0009 | A0010923 | 100 mm | 5-80/10 | EA | Moore & Wright |
| MW0004 | A0010918 | 100 mm | 5-100/13 | EA | Moore &Wright |
| MW0018 | A0010932 | 100 mm | 5-100/20 | EA | Moore & Wright |
| BK0100 | A0004575 | 150 mm | 5-100/13 | EA | Boker |
| MW0006 | A0010920 | 150 mm | 5-100/13 | EA | Moore & Wright |
| BK0101 | A0004576 | 150 mm | 5-100/20 | EA | Boker |
| MW0007 | A0010921 | 150 mm | 5-100/20 | EA | Moore & Wright |
| GD3950 | A0007507 | 150 mm | 10-50/21 | EA | Gedore |
| BK0102 | A0004577 | 150 mm | 3-100/26 | EA | Boker |
| MW0002 | A0010916 | 300 mm | 5-80/10 | EA | Moore & Wright |
| MW0008 | A0010922 | 300 mm | 5-100/13 | EA | Moore & Wright |
| MW2000 | A0010960 | 300 mm | 5-100/20 | EA | Moore & Wright |
| ST0306 | A0014240 | 600 mm | 5-100/13 | EA | Starrett |

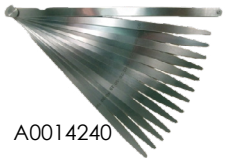

A0010917


A0010923


A0007507

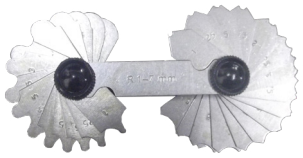

A0004576


A0007507


A0014240

## Radius Gauges with Cover

| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| MX3510 | A0011179 | 1-7 mm | EA | Maxpower |
| MX3515 | A0011180 | 7.5-15 mm | EA | Maxpower |
| MX3520 | A0011181 | 15.5-25 mm | EA | Maxpower |



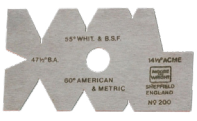
## Radius Gauges

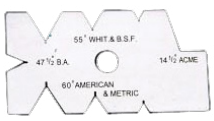
| Stock Code | System Code | Size | No. of Blades | Uom | Brand |
|---|---|---|---|---|---|
| MW0011 | A0010925 | 0.75-5.0 mm | 18 | EA | Moore & Wright |
| MW0012 | A0010926 | 0.75-5.0 mm | 18 | EA | Moore & Wright |
| MW0014 | A0010928 | 5.5-13.0 mm | 16 | EA | Moore & Wright |



## Cutting Screw Gauges (55 & 60 Degrees)

| Stock Code | System Code | Thread | Uom | Brand |
|---|---|---|---|---|
| MW0010 | A0010924 | SI/WHIT/ACME/BA | EA | Moore & Wright |
| GR0370 | A0007912 | SI/WHIT/ACME/BA | EA | Groz |


A0010924


A0007912

 Pictures may vary from the actual product.


A0010930


A0004578


A0010931

| Pitch Screw Gauges | | | | | | |
|---|---|---|---|---|---|---|
| Stock Code | System Code | Thread | Type | No. of Blades | Uom | Brand |
| MW0016 | A0010930 | 0.25-3.00 mm | Metric | 30 | EA | Moore & Wright |
| BK0105 | A0004578 | 4-62 & 0.25-6.0 mm | Metric/Whitworth | 49 | EA | Boker |
| MW0017 | A0010931 | 4-40 & 0.4-7.0 mm | Metric/Whitworth | 49 | EA | Moore & Wright |

| Sheave Gauges | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| MS1032 | A0010473 | 8-23 mm | EA | Scaw |
| MS1033 | A0010474 | 24-39 mm | EA | Scaw |
| MS1034 | A0010475 | 39-54 mm | EA | Scaw |


A0010475

| Gauge Surface with Scriber | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| GR0300 | A0007909 | 300 mm | EA | Groz |


A0007909

| Telescopic Gauges | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| MU0019 | A0032339 | 19-32 mm | EA | Mitutoyo |
| QC0025 | A0011819 | 19-32 mm | EA | QCW |
| MU0030 | G0009419 | 8-150 mm | EA | Mitutoyo |
| QC0020 | A001818 | 12.7-152 mm | Set | QCW |


A0010883


A0011818

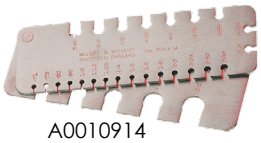
| Gauge Thickness (Taper) | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| ST0155 | A0014235 | 0.05-1 mm, 300 mm | EA | Starrett |


A0014235

| Welders Gauges | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| OC0400 | F0000956 | 0.05-1 mm, 300 mm | EA | Octo |


F0000956

| Wire Gauges | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| MW0000 | A0010914 | 0.20-10.0 mm | EA | Moore & Wright |


A0010914

Pictures may vary from the actual product.

## Digital Inclinometers

| Stock Code | System Code | Size | Range | Uom | Brand |
|---|---|---|---|---|---|
| BS0525 | A0004697 | 600 mm | 0-360 Deg | EA | Bosch |
| BS0520 | A0004696 | 1200 mm | 0-360 Deg | EA | Bosch |


A0004697


A0004696

## Laser Distance Levels

| Stock Code | System Code | Range | Type | Uom | Brand |
|---|---|---|---|---|---|
| FK0905 | A0006000 | 50 m | 414D Optional Tripod | EA | Fluke |
| FK0910 | A0006001 | 80 m | 419D Optional Tripod | EA | Fluke |
| FK0915 | A0006002 | 100 m | 424D Optional Tripod | EA | Fluke |
| BS0535 | A0004699 | 20/50 m | GLL 2-50 Wall & Tripod Mount | EA | Bosch |
| BS0545 | A0004701 | 40/80 m | GLL 3-80 P Wall & Tripod Mount | EA | Bosch |
| BS0550 | A0004701 | 40/80 m | GLL 3-80 P Wall & Tripod Mount | EA | Bosch |
| BS0560 | A0004703 | 300 m | GRL 300 HV Rotating | EA | Bosch |
| MS2050 | XXX | Max. 100 m | D3 Distance and Angle | EA | Disto |
| BS0585 | A0004708 | 0.05-50 m | GLM 50 Range Finder | EA | Bosch |
| BS0590 | A0004709 | 0.05-80 m | GLM 80 Range Finder | EA | Bosch |
| BS0595 | A0004710 | 0.05-80 m | GLM 80 + R60 Range Finder | EA | Bosch |
| BS0580 | A0004707 | 0.05-250 m | GLM 250 VF Range Finder | EA | Bosch |


A0006000 A0006001 A0006002


A0004699


A0004701


A0004708


A0004703




A0004704


A0004698


A0004705

## Level Dumpy & Accessories

| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| BS0540 | A0004698 | Up to 60 m | EA | Bosch |
| BS0565 | A0004704 | Measuring Pole - 2.4 m | EA | Bosch |
| BS0570 | A0004705 | Measuring Pole - 5.0 m | EA | Bosch |

## Building Tripods

| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| BS0600 | A0004713 | 97-160 cm | EA | Bosch |
| BS0605 | A0004714 | 107-165 cm | EA | Bosch |
| BS0610 | A0004715 | 122-295 cm | EA | Bosch |


A0004713 A0004714

 Pictures may vary from the actual product.


A0016107


A0015210


A0037953


A0011923


A0011014


A0014053


A0014054


A0011011


A0011012

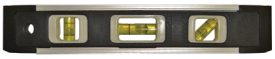

A0011010


A0011013


A0011925


A0014055


A0014029


A0011866

| Levels | | | | | | |
|---|---|---|---|---|---|---|
| Stock Code | System Code | Size | Type | Vials | Uom | Brand |
| RB0020 | A0016107 | 450 mm | Utility Aluminium | 2 | EA | Ross |
| RB0021 | A0011923 | 600 mm | Utility Aluminium | 2 | EA | Ross |
| WB0150 | A0015210 | 450 mm | Builders | 3 | EA | Webco |
| RG0901 | A0037953 | 400 mm | Laser | 2 | EA | Ridgid |
| SN0466 | A0014053 | 83 mm | Line | 1 | EA | Stanley |
| SN0467 | A0014054 | 75 mm | Line | 1 | EA | Stanley |
| MX0262 | A0011012 | 1000 mm | Spirit | 3 | EA | Maxpower |
| MX0264 | A0011014 | 1200 mm | Spirit | 3 | EA | Maxpower |
| MX0260 | A0011010 | 450 mm | Spirit | 3 | EA | Maxpower |
| MX0261 | A0011011 | 600 mm | Spirit | 3 | EA | Maxpower |
| MX0263 | A0011013 | 900 mm | Spirit | 3 | EA | Maxpower |
| RB0052 | A0011925 | 600 mm | Spirit | 2 | EA | Rabone |
| RB0056 | A0038019 | 1200 mm | Spirit | 2 | EA | Rabone |
| SN0469 | A0014055 | 203 mm | Torpedo | 3 | EA | Stanley |
| SN0170 | A0014029 | 228 mm | Torpedo, Magnetic | 3 | EA | Stanley |
| RA0030 | A0011866 | 230 mm | Torpedo | 3 | EA | Raco |



A0012213

| Metal Markers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Volume | Colour | Uom | Brand |
| RI0025 | A0012215 | 50 ml | Blue | EA | Rilbex |
| RI0010 | A0012212 | 50 ml | Green | EA | Rilbex |
| RI0015 | A0012213 | 50 ml | Red | EA | Rilbex |
| RI0020 | A0012214 | 50 ml | White | EA | Rilbex |
| RI0030 | A0012216 | 50 ml | Yellow | EA | Rilbex |

Pictures may vary from the actual product.

| Markers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Colour | Type | Uom | Brand |
| MS0580 | A0010384 | Black | Felt Tip, Permanent | EA | Artline |
| MS0581 | A0010385 | White | Pentel, Paint | EA | Pentel |



A0010385


A0010384

| Oil Measures | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Volume | Uom | Brand |
| MS0590 | A0010387 | 5 L | EA | Border |


A0010387

| Depth Micrometers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Increments | Uom | Brand |
| MU0013 | A0032323 | 0-150 mm | 0.01 mm | EA | Mitutoyo |


A0010876

| Inside Micrometers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Increment | Uom | Brand |
| MU0010 | A0032327 | 50-150 mm | 0.01 mm | EA | Mitutoyo |
| MU0014 | A0028498 | 50-300 mm | 0.01 mm | EA | Mitutoyo |
| MU0015 | A0010878 | 50-300 mm | 0.01 mm | EA | Mitutoyo |
| MU0012 | A0034559 | 50-500 mm | 0.01 mm | EA | Mitutoyo |
| MU0018 | A0032330 | 50-220 mm | 0.01 mm | EA | Mitutoyo |
| MU0016 | A0032328 | 50-1000 mm | 0.01 mm | EA | Mitutoyo |


A001087

A0010878

A0010879

| Outside Micrometers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Increment | Uom | Brand |
| ST1003 | A0014244 | 75-100 mm | 0.01 mm | EA | Starrett |
| ST1000 | A0014241 | 0-25 mm | 0.01 mm | EA | Starrett |
| ST1001 | A0014242 | 25-50 mm | 0.01 mm | EA | Starrett |
| ST1002 | A0014243 | 50-75 mm | 0.01 mm | EA | Starrett |
| MU0045 | A0032362 | 0-25 mm | 0.01 mm | EA | Mitutoyo |
| QC0050 | A0011827 | 0-25 mm | 0.01 mm | EA | QCW |
| MU0000 | A0032306 | 0-25 mm | 0.01 mm | EA | Mitutoyo |
| MU0001 | A0031930 | 25-50 mm | 0.01 mm | EA | Mitutoyo |
| MU0002 | A0029401 | 50-75 mm | 0.01 mm | EA | Mitutoyo |
| MU0003 | A0029409 | 75-100 mm | 0.01 mm | EA | Mitutoyo |
| MU0200 | A0029435 | 0-100 mm | 0.01 mm | EA | Mitutoyo |
| QC0051 | A0011828 | 25-50 mm | 0.01 mm | EA | QCW |
| QC0052 | A0011829 | 50-75 mm | 0.01 mm | EA | QCW |
| QC0053 | A0011830 | 75-100 mm | 0.01 mm | EA | QCW |
| MU0005 | A0029411 | 125-150 mm | 0.01 mm | EA | Mitutoyo |


A0014244


A0010884


A001827

 Pictures may vary from the actual product.

| Aerosol Spray Paints | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Volume | Colour | Uom | Brand |
| PT0050 | A0011763 | 250 ml | Engine Enamel Black | EA | Spraymate |
| PT0007 | A0011727 | 250 ml | Gloss Black | EA | Spraymate |
| PT0015 | A0011735 | 250 ml | Azure Blue | EA | Spraymate |
| PT0008 | A001728 | 250 ml | Electric Blue | EA | Spraymate |
| PT0054 | A0011767 | 250 ml | Engine Enamel Ford Blue | EA | Spraymate |
| SJ0025 | A0012492 | 350 ml | Marking Blue | EA | Spanjaard |
| PT0049 | A0011762 | 250 ml | Metallic Blue | EA | Spraymate |
| PT0018 | A0011738 | 250 ml | Pacific Blue | EA | Spraymate |
| PT0019 | A0011739 | 250 ml | Royal Blue | EA | Spraymate |
| PT0048 | A0011761 | 250 ml | Metallic Bronze | EA | Spraymate |
| PT0017 | A0011737 | 250 ml | Galvanised Cold | EA | Spraymate |
| PT0035 | A0011753 | 250 ml | Clear Lacquer | EA | Spraymate |
| PT0038 | A0011756 | 250 ml | Cream | EA | Spraymate |
| PT0041 | A0002358 | 250 ml | Pastellic Emerald | EA | Spraymate |
| PT0013 | A0011733 | 250 ml | Brilliant Green | EA | Spraymate |
| PT0040 | A0011757 | 250 ml | Metallic Green | EA | Spraymate |
| PT0014 | A0011734 | 250 ml | Pastel Green | EA | Spraymate |
| PT0044 | A0016441 | 250 ml | Blast Mist Grey | EA | Spraymate |
| PT0028 | A0011747 | 250 ml | Grey Primer | EA | Spraymate |
| PT0016 | A001736 | 250 ml | Machinery Grey | EA | Spraymate |
| PT0042 | A0011758 | 250 ml | Fire Orange | EA | Spraymate |
| PT0005 | A0011725 | 250 ml | International Orange | EA | Spraymate |
| PT0006 | A0011726 | 250 ml | Fluorescent Neon Pink | EA | Spraymate |
| PT0090 | A0011773 | 250 ml | Plastic Primer | EA | Spraymate |
| PT0052 | A0011765 | 250 ml | Engine Enamel Red | EA | Spraymate |
| PT0043 | A0011759 | 250 ml | Metallic Red | EA | Spraymate |
| PT0025 | A0011744 | 250 ml | Post Office Red | EA | Spraymate |
| PT0511 | A008065 | 230 ml | Reflective Red | EA | Spraymate |
| PT0009 | A0011729 | 250 ml | Signal Red | EA | Spraymate |
| PT0053 | A0011766 | 250 ml | Engine Enamel Silver | EA | Spraymate |
| PT0051 | A001764 | 250 ml | Heat Resistant Silver | EA | Spraymate |
| PT0046 | A0011760 | 250 ml | Metallic Silver | EA | Spraymate |
| PT0012 | A0011732 | 250 ml | Appliance White | EA | Spraymate |
| PT0027 | A0011746 | 250 ml | Gloss White | EA | Spraymate |
| PT0034 | A0011752 | 250 ml | Matt White | EA | Spraymate |
| PT0010 | A0011730 | 250 ml | Pastel Yellow | EA | Spraymate |
| PT0512 | A0038066 | 230 ml | Reflective Yellow | EA | Vision |
| PT0011 | A0011731 | 250 ml | Sun Yellow | EA | Spraymate |



A0011726



A0011759



A0011757



A0011762



A0011732


A0011734

| Enamel Paint | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Litre | Colour | Uom | Brand |
| PT0110 | A0011776 | 5 L | Gloss,Black | EA | Prominent |
| PT0160 | A0011781 | 5 L | Windsor Green | EA | Prominent |
| PT0140 | A0011779 | 5 L | Signal Red | EA | Prominent |
| PT0150 | A0011780 | 5 L | Gloss White | EA | Prominent |
| PT0130 | A0011778 | 5 L | Golden Yellow | EA | Prominent |


A0011776

| Primer Etch Paints | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Colour | Uom | Brand |
| PT0390 | A0011789 | 5 L | Red | EA | Prominent |
| PT0391 | A0011790 | 5 L | Black | EA | Prominent |


A0011789

| Red Oxide Od Primer Paints | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Litre | Uom | Brand |
| PT0100 | A0011775 | 5 L | EA | Prominent |


A0011785

| White PVA Paints | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Litre | Uom | Brand |
| PT0400 | A0011785 | 20 L | EA | Prominent |

| Mine Marking Underground Spray Paints | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Colour | Uom | Brand |
| PT0003 | A0011724 | Blue | EA | Minemate |
| PT0002 | A0011723 | White | EA | Minemate |
| PT0001 | A0011722 | Yellow | EA | Minemate |
| PT0000 | A0011721 | Red | EA | Minemate |



A0011724



A0011721

| Green Stoep Paints | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Litre | Uom | Brand |
| PT0170 | A0011784 | 5 L | EA | Prominent |

| Underground Paints | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Litre | Colour | Uom | Brand |
| PT0020 | A0011740 | 1 L | Red | EA | Minemate |
| PT0021 | A0011741 | 1 L | White | EA | Minemate |
| PT0022 | A0011742 | 1 L | Yellow | EA | Minemate |



A0011741

 Pictures may vary from the actual product.

| Carpenter Pencils | | | |
|---|---|---|---|
| Stock Code | System Code | Uom | Brand |
| SE0010 | A0012342 | EA | Staedtler |
| SE0011 | A0012343 | EA | Staedtler |


A0012343

| Plumbobs | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Weight | Material | Uom | Brand |
| SN0711 | A0014087 | 224G | Brass | EA | Stanley |


A0014087


A0010217

| Punch Set | | | | | | |
|---|---|---|---|---|---|---|
| Stock Code | System Code | Size | Pieces | Type | Uom | Brand |
| MN0005 | A0010217 | 5-32 mm | 10 pc | Wad | KIT | Maun |
| BK0035 | A0004570 | 6-19 mm | 7 pc | Belt/Hollow | EA | Boker |
| BK0031 | A0004568 | 6-25 mm | 9 pc | Belt/Hollow | SET | Boker |
| BK0032 | A0004569 | 6-38 mm | 14 pc | Belt/Hollow | EA | Boker |
| GR0619 | A0007924 | 1.5-4 mm | 5 pc | Centre, Wallet | SET | Groz |
| ST0038 | A0014206 | 1.5-6.5 mm | 6 pc | Centre, Round | SET | Starrett |
| MC0601 | A0009829 | Assorted | 6 pc | Chisel and Punch | SET | Mitco |
| MC0602 | A0009830 | Assorted | 12 pc | Chisel and Punch | SET | Mitco |
| ST0044 | A0014212 | 3-9.5 mm | 5 pc | Drive Pin | SET | Starrett |
| JL0550 | A0008472 | 2-10 mm | 7 pc | Drive Pin | SET | John Leo |
| GR0660 | A0007928 | 1.5-8 mm | 7 pc | Parallel Pin | SET | Groz |
| SW0570 | A0014358 | 2.5-8 mm | 6 pc | Parallel Pin | SET | Stahlwille |
| LS0381 | A0009487 | 3-8 mm | 10 pc | Pin | SET | Lasher |
| LS0380 | A0009486 | 3-10 mm | 6 pc | Pin | SET | Lasher |
| GD3706 | A0007488 | 3-8 mm | 6 pc | Pin | SET | Gedore |
| MC0600 | A0009828 | 2-10 mm | 7 pc | Pin | SET | Mitco |
| ST0054 | A0014215 | - | 8 pc | Pin | SET | Starrett |
| ST0053 | A0014214 | - | 8 pc | Drive Pin | SET | Starrett |
| LS0378 | A0009484 | Assorted | 5 pc | Pin & Chisel | SET | Lasher |
| LS0379 | A0009485 | Assorted | 10 pc | Pin & Chisel | SET | Lasher |


GR0619


A0014206


A00098298


A0008472


A0007928


A0009487


A0014214


A0007488

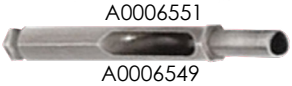

A0009484

| Punch Belts | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | No. | Type | Uom | Brand |
| FX0050 | A0006549 | No. 1 | Power | EA | Flexco |
| FX0025 | A0006547 | No. 2 | Power | EA | Flexco |
| FX0060 | A0006550 | No. 2 | Hand | EA | Flexco |
| FX0070 | A0006551 | No. 3 | Hand | EA | Flexco |


A0006547


A0006550


A0006551


A0006549

## Hollow Belt Punches

| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| BK0000 | A0004541 | 3.0 mm | EA | Boker |
| BK0001 | A0004542 | 4.0 mm | EA | Boker |
| BK0002 | A0004543 | 5.0 mm | EA | Boker |
| BK0003 | A0004544 | 6.0 mm | EA | Boker |
| BK0004 | A0004545 | 7.0 mm | EA | Boker |
| BK0005 | A0004546 | 8.0 mm | EA | Boker |
| BK0006 | A0004547 | 9.0 mm | EA | Boker |
| BK0007 | A0004548 | 10.0 mm | EA | Boker |
| BK0008 | A0004549 | 11.0 mm | EA | Boker |
| BK0009 | A0004550 | 12.0 mm | EA | Boker |
| BK0010 | A0004551 | 13.0 mm | EA | Boker |
| BK0011 | A0004552 | 14.0 mm | EA | Boker |
| BK0012 | A0004553 | 16.0 mm | EA | Boker |
| BK0013 | A0004554 | 17.0 mm | EA | Boker |
| BK0023 | A0004563 | 18.0 mm | EA | Boker |
| BK0014 | A0004555 | 19.0 mm | EA | Boker |
| BK0015 | A0004556 | 20.0 mm | EA | Boker |
| BK0017 | A0004557 | 22.0 mm | EA | Boker |
| BK0018 | A0004558 | 24.0 mm | EA | Boker |
| BK0019 | A0004559 | 25.0 mm | EA | Boker |
| BK0025 | A0004564 | 28.0 mm | EA | Boker |
| BK0020 | A0004560 | 32.0 mm | EA | Boker |
| BK0021 | A0004561 | 35.0 mm | EA | Boker |
| BK0022 | A0004562 | 38.0 mm | EA | Boker |

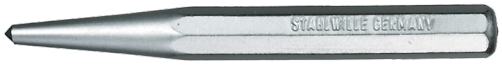

A0004541


A0004542

## Centre Punches

| Stock Code | System Code | Size | Type | Uom | Brand |
|---|---|---|---|---|---|
| GR0670 | A0007929 | 120 mm | Automatic | EA | Groz |
| SW0535 | A0014357 | 10 x 100 mm | Octagonal | EA | Stahlwille |
| GD3640 | A0007470 | 10 x 100 mm | Octagonal | EA | Gedore |
| GD3641 | A0007471 | 12 x 100 mm | Octagonal | EA | Gedore |
| GD3643 | A0007473 | 15 x 100 mm | Octagonal | EA | Gedore |
| GD3642 | A0007472 | 16 x 100 mm | Octagonal | EA | Gedore |
| RD0010 | A0012021 | 150 mm | Round Head | EA | Racodon |
| GR0610 | A0038086 | 1.5 x 75 mm | Round Head | EA | Groz |
| GR0611 | A0007921 | 2 x 100 mm | Round Head | EA | Groz |
| GR0614 | A0007922 | 3.5 x 100 mm | Round Head | EA | Groz |
| LS0361 | A0009470 | 3 x 8 x 115 mm | Round Head | EA | Lasher |
| EC0071 | A0005732 | 4.8 x 100 mm | Round Head | EA | Eclipse |
| GR0615 | A0033445 | 4 x 100 mm | Round Head | EA | Groz |
| LS0362 | A0009471 | 4 x 8 x 115 mm | Round Head | EA | Lasher |
| GR0616 | A0033446 | 5 x 100 mm | Round Head | EA | Groz |
| LS0363 | A0009472 | 5 x 10 x 140 mm | Round Head | EA | Lasher |
| LS0364 | A0009473 | 6 x 12 x 160 mm | Round Head | EA | Lasher |
| ST0039 | A0002514 | 3 x 100 mm | Round Shank | EA | Starrett |
| ST0050 | A0014213 | 6.5 x 125 mm | Round Shank | EA | Starrett |
| RD0005 | A0012019 | 100 mm | Square Head | EA | Racodon |
| EC0070 | A0005731 | 3.8 x 100 mm | Square Head | EA | Eclipse |
| GR0628 | A0033450 | 4 x 100 mm | Square Head | EA | Groz |


A0007929

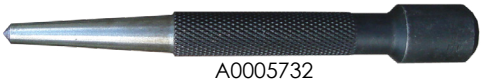

A0014357


A0002514


A0038086


A0009470


A0007470


A0005732


A0012021


A0005731


A0033450


A0012019



Pictures may vary from the actual product.

| Chassis Punches | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| QM0010 | A0011850 | 20 mm | EA | QMAX |
| QM0015 | A0011851 | 22.5 mm | EA | QMAX |
| QM0020 | A0011852 | 25 mm | EA | QMAX |
| QM0025 | A0011854 | 30 mm | EA | QMAX |
| QM0030 | A0011855 | 32.5 mm | EA | QMAX |
| QM0035 | A0011856 | 35 mm | EA | QMAX |
| QM0040 | A0011858 | 40 mm | EA | QMAX |



| Figure/Number 0-9 Punches | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| GR0682 | A0011154 | 3 mm | SET | Groz |
| GR0683 | A0011155 | 4 mm | SET | Groz |
| GR0684 | A0011156 | 5 mm | SET | Groz |
| GR0685 | A0011157 | 6 mm | SET | Groz |
| GR0686 | A0011158 | 8 mm | SET | Groz |
| GR0687 | A0011159 | 10 mm | SET | Groz |
| GR0688 | A0011160 | 12 mm | SET | Groz |



A0011154

| Letter A-Z Punches | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| GR0692 | A0016242 | 3 mm | SET | Groz |
| GR0693 | A0038092 | 4 mm | SET | Groz |
| GR0694 | A0016243 | 5 mm | SET | Groz |
| GR0695 | A0011164 | 6 mm | SET | Groz |
| GR0696 | A0016244 | 8 mm | SET | Groz |
| GR0697 | A0011166 | 10 mm | SET | Groz |
| GR0698 | A0016245 | 12 mm | SET | Groz |



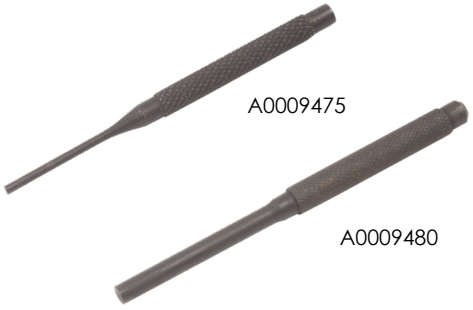
A0016242

| Parallel Pin Punches | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| RD0020 | A0012023 | 3 x 115 mm | EA | Racodon |
| RD0021 | A0012024 | 4 x 115 mm | EA | Racodon |
| RD0022 | A0012025 | 5 x 140 mm | EA | Racodon |
| RD0023 | A0012026 | 6 x 140 mm | EA | Racodon |
| RD0024 | A0012027 | 8 x 160 mm | EA | Racodon |
| RD0025 | A0012028 | 10 x 160 mm | EA | Racodon |



A0012023

| Pin Punches | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| LS0369 | A0009475 | 3 x 8 x 115 mm | EA | Lasher |
| LS0370 | A0009476 | 4 x 8 x 115 mm | EA | Lasher |
| LS0371 | A0009477 | 5 x 10 x 140 mm | EA | Lasher |
| LS0372 | A0009478 | 6 x 10 x 140 mm | EA | Lasher |
| LS0373 | A0009479 | 8 x 12 x 160 mm | EA | Lasher |
| LS0374 | A0009480 | 10 x 12 x 160 mm | EA | Lasher |



A0009475

A0009480

| Prick Punch | | | | |
|---|---|---|---|---|
| Stock Code | System Code | Size | Uom | Brand |
| ST0040 | A0014208 | 100 mm | EA | Starrett |
| RD0006 | A0012020 | 100 mm | EA | Racodon |
| GR0751 | A0035338 | 4 x 125 mm | EA | Groz |









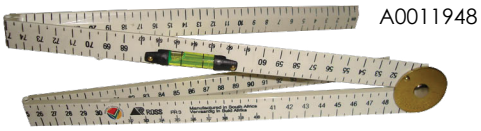










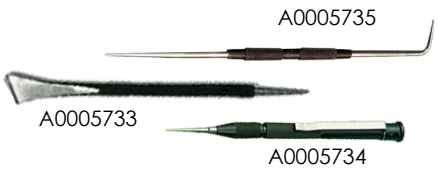






| Rulers | | | | | | |
|---|---|---|---|---|---|---|
| Stock Code | System Code | Size | Type | Material | Uom | Brand |
| GR1710 | A0007989 | 150 mm | Measuring | Stainless Steel | EA | Groz |
| GR1711 | A0007990 | 300 mm | Measuring | Stainless Steel | EA | Groz |
| MX0470 | A0011098 | 150 mm | Measuring | Stainless Steel | EA | Maxpower |
| MX0471 | A0011099 | 300 mm | Measuring | Stainless Steel | EA | Maxpower |
| MX0472 | A0011100 | 600 mm | Measuring | Stainless Steel | EA | Maxpower |
| MX0473 | A0011101 | 1000 mm | Measuring | Stainless Steel | EA | Maxpower |
| RB0255 | A0011948 | 600 mm | Folding | Stainless Steel | EA | Ross |
| MS0790 | A0010414 | 1000 mm | Folding - 6 Section | Aluminium | EA | Ross |
| RB0225 | A0011942 | 1000 mm | Clinometer | Plastic | EA | Ross |
| WB0200 | A0015220 | 1000 mm | Clinometer | Plastic | EA | Webco |
| MX0474 | A0011102 | 600 mm | Folding, Line of Chords | Stainless Steel | EA | Maxpower |

| Engineers Scribers | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Type | Uom | Brand |
| EC0080 | A0005733 | 170 mm | Handy | EA | Eclipse |
| EC0081 | A0005734 | 170 mm | Pocket | EA | Eclipse |
| EC0082 | A0005735 | 170 mm | Standard | EA | Eclipse |



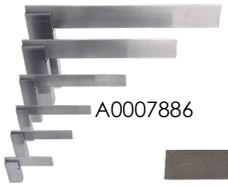

| Square, Combination & Sets | | | | | |
|---|---|---|---|---|---|
| Stock Code | System Code | Size | Set Quantity | Uom | Brand |
| QC0075 | A0011832 | 300 mm | 4 pc | EA | QCW |
| MU0040 | A0005696 | 300 mm | 4 pc | EA | QCW |
| ST0170 | A0014238 | 300 mm | 4 pc | EA | Starrett |
| MW0910 | A0010956 | 300 mm | 4 pc | EA | Moore & Wright |
| RB0190 | A0011940 | 300 mm | 2 pc | EA | Ross |
| SN0653 | A0014075 | 300 mm | 2 pc | EA | Stanley |

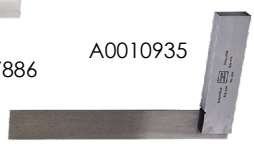


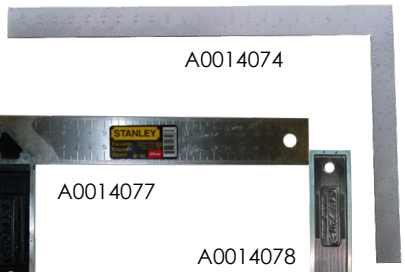

 Pictures may vary from the actual product.

## Squares

| Stock Code | System Code | Size | Type | Uom | Brand |
|---|---|---|---|---|---|
| GR0009 | A0007886 | 75 mm | Engineers | EA | Groz |
| MW0025 | A0010933 | 75 mm | Engineers | EA | Moore & Wright |
| GR0001 | A0038119 | 75 mm | Engineers | EA | Groz |
| MW0026 | A0010934 | 100 mm | Engineers | EA | Moore & Wright |
| GR0010 | A0007887 | 100 mm | Engineers | EA | Groz |
| MW0027 | A0010935 | 150 mm | Engineers | EA | Moore & Wright |
| GR0011 | A0007888 | 150 mm | Engineers | EA | Groz |
| GR0015 | A0007889 | 300 mm | Engineers | EA | Groz |
| MW0030 | A0010936 | 300 mm | Engineers | EA | Moore & Wright |
| SN0650 | A0014074 | 400 x 600 mm | Rafter Metric | EA | Stanley |
| SN0654 | A0014076 | 150 mm | Try/Mitre | EA | Stanley |
| SN0655 | A0014077 | 200 mm | Try/Mitre | EA | Stanley |
| SN0656 | A0014078 | 250 mm | Try/Mitre | EA | Stanley |


A0007886


A0010935


A0014074


A0014077

A0014078

## Steel Figured Stencils (0-9)

| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| BK0116 | A0004579 | 25 mm | SET | Boker |
| BK0118 | A0004580 | 40 mm | SET | Boker |
| GR1655 | A0007987 | 50 mm | SET | Groz |
| BK0119 | A0004581 | 70 mm | SET | Boker |
| GR1656 | A0007988 | 100 mm | SET | Groz |
| BK0120 | A0004582 | 100 mm | SET | Boker |


A0004579

## Steel Letter Stencils (A-Z)

| Stock Code | System Code | Size | Uom | Brand |
|---|---|---|---|---|
| BK0125 | A0004583 | 25 mm | SET | Boker |
| BK0126 | A0004584 | 40 mm | SET | Boker |
| BK0127 | A0004585 | 50 mm | SET | Boker |
| GR1650 | A0007985 | 50 mm | SET | Groz |
| GR1651 | A0007986 | 100 mm | SET | Groz |


A0004583

## Tags

| Stock Code | System Code | Size | Type | Uom | Brand |
|---|---|---|---|---|---|
| MS0955 | C0000883 | 30 x 50 mm | Brass | EA | MD |
| HP0000 | A0008119 | 63.5 x 125 mm | Steel White | 1000/Box | HP TAG |


C0000883


HP0000

## Multi Trammel Heads

| Stock Code | System Code | Uom | Brand |
|---|---|---|---|
| KN0450 | A0008617 | PR | Kennedy |
| EC0090 | A0005736 | PR | Eclipse |
| CV0040 | A0005618 | PR | Curv-O-Mark |


A0005618

## Measuring Wheels with Counter Bag & Stand

| Stock Code | System Code | Distsance | Uom |
|---|---|---|---|
| WB0300 | A0015221 | 10 km | EA |


A0015221

Mitutoyo




Series 102 A0029403

**Outside Micrometers**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0029403 | 0-25 | 0.01 | ±2 |




up to 100 mm



Above 100 mm

A0032306

Series 103

**Outside Micrometers**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0032306 | 0-25 | 0.01 | ±2 |
| A0031930 | 25-50 | 0.01 | ±2 |
| A0029401 | 50-75 | 0.01 | ±2 |
| A0029409 | 75-100 | 0.01 | ±3 |
| A0029410 | 100-125 | 0.01 | ±3 |
| A0029411 | 125-150 | 0.01 | ±3 |
| A0029412 | 150-175 | 0.01 | ±4 |
| A0029413 | 175-200 | 0.01 | ±4 |
| A0029414 | 200-225 | 0.01 | ±4 |
| A0029415 | 225-250 | 0.01 | ±5 |
| A0029416 | 250-275 | 0.01 | ±5 |
| A0029417 | 275-300 | 0.01 | ±5 |
| A0029418 | 300-325 | 0.01 | ±6 |
| A0029419 | 325-350 | 0.01 | ±6 |
| A0029420 | 350-375 | 0.01 | ±6 |
| A0029421 | 375-400 | 0.01 | ±7 |
| A0029422 | 400-425 | 0.01 | ±7 |
| A0029423 | 425-450 | 0.01 | ±7 |
| A0029424 | 450-475 | 0.01 | ±8 |
| A0029425 | 475-500 | 0.01 | ±8 |
| A0029426 | 2"-3" | 0.001" | 0.0001" |
| A0029427 | 4"-5" | 0.001" | 0.0015" |
| A0029428 | 5"-6" | 0.001" | 0.0015" |
| A0029429 | 6"-7" | 0.001" | 0.0002" |

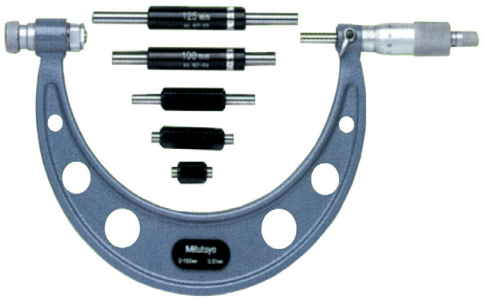


A0029430

Series 103

**Outside Micrometer Sets**

| System Code | Range | No. of Micrometers per set | Graduation |
|---|---|---|---|
| | mm | | mm |
| A0029430 | 0-150 | 6 | 0.01 |
| A0029431 | 0-300 | 12 | 0.01 |
| A0029432 | 150-300 | 6 | 0.01 |



A0029433

Series 104

**Interchangeable Anvil Outside Micrometers**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0029433 | 0-150 | 0.01 | ±(4+L/75) |
| A0029434 | 150-300 | 0.01 | ±(4+L/75) |
| A0029435 | 0-100 | 0.01 | ±(4+L/75) |
| A0029436 | 100-200 | 0.01 | ±(4+L/75) |
| A0029437 | 200-300 | 0.01 | ±(4+L/75) |
| A0010912 | 300-400 | 0.01 | ±(4+L/75) |
| A0029438 | 400-500 | 0.01 | ±(4+L/75) |
| A0029439 | 500-600 | 0.01 | ±(4+L/75) |
| A0029440 | 600-700 | 0.01 | ±(4+L/75) |
| A0029441 | 700-800 | 0.01 | ±(4+L/75) |
| A0029442 | 800-900 | 0.01 | ±(4+L/75) |
| A0029443 | 900-1000 | 0.01 | ±(4+L/75) |

 Pictures may vary from the actual product.

Mitutoyo



Series 105 A0029452

| Large Diameter Outside Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Graduation | Accuracy |
| | mm | mm | mm |
| A0029452 | 1000-1100 | 0.01 | ±(6+L/75) |
| A0029453 | 1100-1200 | 0.01 | ±(6+L/75) |



Series 122 A0029471

| Blade Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Graduation | Accuracy |
| | mm | mm | mm |
| A0029471 | 0-25 | 0.01 | ±3 |
| A0029472 | 25-50 | 0.01 | ±3 |
| A0029473 | 50-75 | 0.01 | ±3 |
| A0029474 | 75-100 | 0.01 | ±4 |



A0029479

Rotating spindle (Series 123)

| DISC Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Graduation | Accuracy |
| | mm | mm | mm |
| A0029479 | 0-25 | 0.01 | ±4 |
| A0029480 | 25-50 | 0.01 | ±4 |
| A0029481 | 50-75 | 0.01 | ±4 |



Series 115 A0029460

| Tube Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Graduation | Accuracy |
| | mm | mm | mm |
| A0029460 | 0-15 | 0.01 | ±3 |
| A0029461 | 0-25 | 0.01 | ±3 |
| A0029464 | 0-25 | 0.01 | 3 |



Series 112 A0029455

| Point Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Graduation | Accuracy |
| | mm | mm | mm |
| A0029455 | 0-25 | 0.01 | ±3 |



Series 126 A0029493

| Screw Thread Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Graduation | Accuracy |
| | mm | mm | mm |
| A0029493 | 0-25 | 0.01 | ±4 |
| A0029494 | 25-50 | 0.01 | ±4 |
| A0029495 | 50-75 | 0.01 | ±4 |
| A0029496 | 75-100 | 0.01 | ±5 |

| Measuring Tips | | | |
|---|---|---|---|
| System Code | Pitch Range | TPI Range | TPI Range |
| | M | UN60 | Whit 55 |
| A0029504 | 0.4-7 | 64-3.5 | - |
| A0029504 | 0.4-0.5 | 64-48 | - |
| A0029506 | 0.6-0.9 | 44-28 | - |
| A0029507 | 1-1.75 | 24-14 | - |
| A0029508 | 2-3 | 13-9 | - |
| A0029509 | 3-5 | 8-5 | - |
| A0029510 | 5.5-7.0 | 4.5-3 | - |
| A0029512 | - | - | 60-48 |
| A0029513 | - | - | 48-40 |
| A0029514 | - | - | 40-32 |
| A0029515 | - | - | 32-24 |
| A0029516 | - | - | 24-18 |
| A0029517 | - | - | 18-14 |
| A0029518 | - | - | 14-10 |
| A0029519 | - | - | 10-7 |
| A0029520 | - | - | 7-4.5 |
| A0029521 | - | - | 4.5-3.5 |



Series 118 A0029470

| Sheet Metal Micrometers | | | |
|---|---|---|---|
| System Code | Capacity | Throat | Reading |
| | mm | mm | mm |
| A0029470 | 0-25 | 150 | 0.01 |

Mitutoyo



Series 193 A0028237

**Digital Outside Micrometers**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028237 | 0-25 | 0.001 | ±2 |
| A0010884 | 0-25 | 0.01 | ±2 |
| A0028234 | 25-50 | 0.01 | ±2 |
| A0028235 | 50-75 | 0.01 | ±2 |
| A0028236 | 75-100 | 0.01 | ±3 |



Series 293 A0028343

**Electronic Digital Outside Micrometers**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028343 | 0-25/0-1 | 0.001/0.00005 | ±1 |
| A0028344 | 25-50/1-2 | 0.001/0.00005 | ±1 |
| A0028345 | 50-75/2-3 | 0.001/0.00005 | ±1 |
| A0028346 | 75-100/3-4 | 0.001/0.00005 | ±2 |

**Electronic Digital Outside Micrometers - Metric**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028329 | 0-25 | 0.001 | ±1 |
| A0028330 | 25-50 | 0.001 | ±1 |
| A0028331 | 50-75 | 0.001 | ±1 |
| A0028332 | 75-100 | 0.001 | ±2 |

**Electronic Digital Outside Micrometers - Without SPC Output**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028333 | 0-25 | 0.001 | ±1 |
| A0028334 | 25-50 | 0.001 | ±1 |
| A0029323 | 50-75 | 0.001 | ±1 |
| A0029409 | 75-100 | 0.001 | ±2 |



Series 293 A0028347

**Digimatic Outside Micrometers - Economy**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028347 | 0-25/0-1 | 0.001 | ±2 |



A0028327

Series 293

**Coolant Proof Micrometers Quantumike**

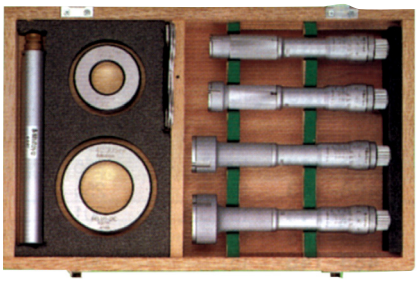
| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028327 | 0-25 | 0.001 | ±1 |
| A0028328 | 25-50 | 0.001 | ±1 |



Series 368 A0028400

**Three Point Inside Micrometers**

| System Code | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028400 | 6-8 | 0.001 | ±2 |
| A0028401 | 8-10 | 0.001 | ±2 |
| A0028402 | 10-12 | 0.001 | ±2 |
| A0028403 | 12-16 | 0.005 | ±2 |
| A0028404 | 16-20 | 0.005 | ±2 |
| A0028405 | 20-25 | 0.005 | ±3 |
| A0028406 | 25-30 | 0.005 | ±3 |
| A0028407 | 30-40 | 0.005 | ±3 |
| A0028408 | 40-50 | 0.005 | ±3 |
| A0028409 | 50-63 | 0.005 | ±3 |
| A0028410 | 62-75 | 0.005 | ±3 |
| A0028411 | 75-88 | 0.005 | ±3 |
| A0029622 | 87-100 | 0.005 | ±3 |



A0028414

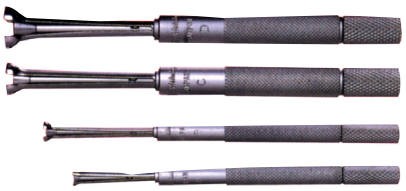
Series 368

**Three Point Micrometers**

| Mitutoyo no | Capacity | Graduation | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028414 | 6-12 | 0.001 | ±2 |
| A0028415 | 12-20 | 0.005 | ±2 |
| A0028416 | 20-50 | 0.005 | ±3 |
| A0028417 | 50-100 | 0.005 | ±3 |

 Pictures may vary from the actual product.

Mitutoyo



Series 154 A0028145

| Small Bore Gauges | | |
|---|---|---|
| System Code | Capacity | Description |
| | mm | |
| A0028145 | 3-13 | Set of 4. Used with a micrometer. |

## Inside Micrometer and Extension Rods



A0029540

Series 137

| Micrometer Heads | | | | |
|---|---|---|---|---|
| System Code | Range | Graduation | Travel | Min. Length |
| | mm | mm | mm | mm |
| A0029540 | 50-63 | 0.01 | 13 | 50 |

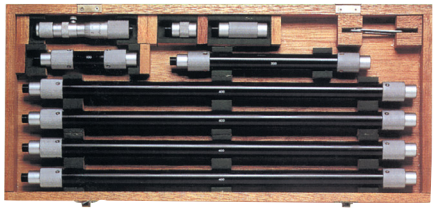
| Micrometer Heads with Extension Rods - Steel Measuring Faces | | |
|---|---|---|
| System Code | Range | Extension Rods |
| | mm | mm |
| A0029540<br>A0032327<br>A0029541 | 50-63<br>50-150<br>50-300 | -<br>13, 25, 50<br>13, 25, 2 x 50, 100 |
| G0009359<br>A0032328<br>A0029542 | 50-500<br>50-1000<br>50-1500 | 13, 25, 2 x 50, 100,200<br>13, 25, 50, 2 x 100, 150, 200, 300<br>13, 25, 50, 2 x 100, 150, 2 x 200, 2 x 300 |

| Micrometer Heads with Extension Rods - Carbide Measuring Faces | | |
|---|---|---|
| System Code | Range | Extension Rods |
| | mm | mm |
| A0029543<br>A0029544 | 50-1000<br>50-1500 | 13, 25, 50, 2x100, 150, 200, 300<br>13, 25, 50, 2x100, 150, 2x200, 2x300 |



Series 133 A0029569

| Tubular Inside Micrometers - Single Rod Type | | |
|---|---|---|
| Mitutoyo no | Range | Description |
| | mm | |
| A0029569<br>A0029539 | 50-150<br>50-300 | 4 heads per set<br>10 heads per set |



Series 139 & 140 A0029548

| Inside Micrometer and Rods | | | |
|---|---|---|---|
| System Code | Range | Graduation | Extension Rods |
| | mm | mm | mm |
| A0029548<br>A0029549<br>A0029551 | 100-1700<br>100-2100<br>1000-3000 | 0.01<br>0.01<br>0.01 | 25, 50, 100, 200, 3 x 400<br>25, 50, 100, 200, 4 x 400<br>50, 2 x 100, 200, 500, 1000 |



Series 141 A0029554

| Inside Micrometers | | | | |
|---|---|---|---|---|
| System Code | Range | Graduation | Travel | No. of Rods |
| | mm | mm | mm | |
| A0029554<br>A0029554 | 25-50<br>50-200 | 0.01<br>0.01 | 7<br>13 | 2<br>6 |



Series 145 A0029557

| Inside Micrometers | | | |
|---|---|---|---|
| System Code | Range | Graduation | Accuracy |
| | mm | mm | mm |
| A0029557<br>A0029558<br>A0029559 | 5-30<br>25-50<br>50-75 | 0.01<br>0.01<br>0.01 | ±5<br>±6<br>±7 |

## Telescopic Gauges



Series 155 A0029559

| Telescopic Gauge | | |
|---|---|---|
| System Code | Measuring Range | Overall Length |
| | mm | mm |
| A0028146 | 8-12.7 | 110 |
| A0028147 | 12.7-19 | 110 |
| A0032339 | 19-32 | 110 |
| A0034812 | 32-54 | 150 |
| A0032340 | 54-90 | 150 |
| A0029253 | 90-150 | 150 |
| G0009419 | 8-150 | Set of 6 |

Mitutoyo



A0028545

Series 526

**Bore Gauges**

| System Code | Measuring Range | Graduation Length | Probe Depth |
|---|---|---|---|
| | mm | mm | mm |
| A0028545 | 7-10 | 0.01 | 56 |
| A0028546 | 10-18 | 0.01 | 62 |
| A0028543 | 7-10 | 0.001 | 56 |
| A0028544 | 10-18 | 0.001 | 62 |



A0028487

Series 511

**Bore Gauges**

| System Code | Measuring Range | Graduation Length | Probe Depth |
|---|---|---|---|
| | mm | mm | mm |
| A0028487 | 18-35 | 0.01 | 100 |
| A0028488 | 35-60 | 0.01 | 100 |
| A0028489 | 50-100 | 0.01 | 150 |
| A0028490 | 100-160 | 0.01 | 150 |
| A0028491 | 160-250 | 0.01 | 150 |
| A0028492 | 18-35 | 0.001 | 100 |
| A0028493 | 35-60 | 0.001 | 100 |
| A0028494 | 50-150 | 0.001 | 150 |
| A0028496 | 18-150 | 0.01 | Set of 4 |
| A0028497 | 18-150 | 0.001 | Set of 4 |

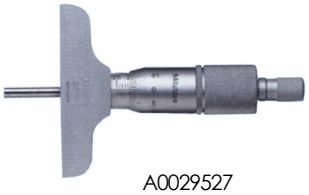


A0028264

Series 209

**Inside Dial Caliper Gauges**

| System Code | Measuring Range | Graduation Length | Leg Length |
|---|---|---|---|
| | mm | mm | mm |
| A0028264 | 10-35 | 0.025 | 80 |
| A0028265 | 30-55 | 0.025 | 80 |
| A0028266 | 50-75 | 0.025 | 80 |



A0029527

Series 129

**Depth Micrometers**

| System Code | Measuring Range | Graduation Length | Reference Face Length |
|---|---|---|---|
| | mm | mm | mm |
| A0029527 | 0-25 | 0.01 | 63 |
| A0029522 | 0-50 | 0.01 | 63 |
| A0029523 | 0-100 | 0.01 | 63 |
| A0029525 | 0-100 | 0.01 | 101 |
| A0029524 | 0-150 | 0.01 | 63 |
| A0010876 | 0-150 | 0.01 | 101 |
| A0010911 | 0-300 | 0.01 | 101 |



A0028384



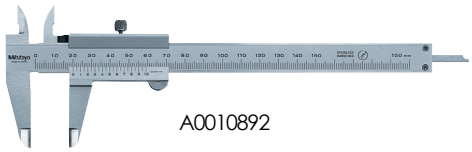
Series 329

**Electronic Depth Micrometers**

| System Code | Measuring Range | Graduation Length | Reference Face Length |
|---|---|---|---|
| | mm | mm | mm |
| A0028384 | 0-150 | 0.001 | 101 |
| A0028386 | 0-300 | 0.001 | 101 |

 Pictures may vary from the actual product.

Mitutoyo



A0010892

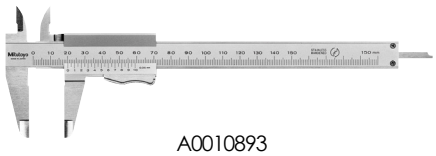
Series 530

**Screw Lock Vernier Calipers - Metric**

| System Code | Measuring Range | Vernier Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0010892 | 0-150 | 0.05 | ±0.05 |
| A0010900 | 0-200 | 0.05 | ±0.05 |
| A0010905 | 0-300 | 0.05 | ±0.05 |

**Metric/Imperial Calipers**

| System Code | Measuring Range | Vernier Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028557 | 0-150/6" | 0.05/ 1/128" | ±0.05 |
| A0028558 | 0-200/8" | 0.05/ 1/128" | ±0.05 |
| A0010903 | 0-200/8" | 0.05/ 0.001" | ±0.03 |
| A0028560 | 0-300/12" | 0.05/ 0.001" | ±0.04 |

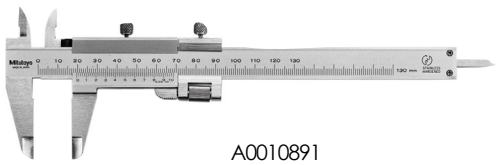


A0010893

Series 531

**Auto Lock Vernier Calipers**

| System Code | Measuring Range | Vernier Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0010893 | 0-150 | 0.05 | ±0.05 |
| A0010902 | 0-200 | 0.05 | ±0.05 |
| A0010906 | 0-300 | 0.05 | ±0.08 |
| A0028566 | 0-150/6" | 0.02/0.001" | ±0.03 |
| A0028567 | 0-200/8" | 0.02/0.001" | ±0.03 |
| A0028565 | 0-300/12" | 0.02/0.001" | ±0.04 |

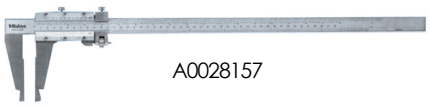


A0010891

Series 532

**Vernier Calipers with Fine Adjustment**

| System Code | Measuring Range | Vernier Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0010891 | 0-130 | 0.02 | ±0.03 |
| A0010901 | 0-180 | 0.02 | ±0.03 |
| A0028568 | 0-280 | 0.02 | ±0.04 |



A0028157

Series 160

**Nib Jaw Vernier Calipers with Fine Adjustment**

| System Code | Measuring Range | | Vernier Reading | Accuracy |
|---|---|---|---|---|
| | Internal | External | | |
| | mm | mm | mm | mm |
| A0028157 | 10.300 | 0-300 | 0.02 | ±0.04 |
| A0028158 | 20-450 | 0-450 | 0.02 | ±0.05 |
| A0010899 | 20-600 | 0-600 | 0.02 | ±0.05 |
| A0028152 | 20-1000 | 0-1000 | 0.02 | ±0.07 |

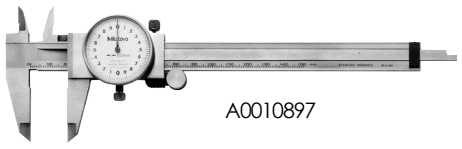


A0028571

Series 534

**Long Jaw Vernier Calipers with Fine Adjustment**

| System Code | Measuring Range External | Jaw Depth | Vernier Reading | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028571 | 0-300 | 90 | 0.02 | ±0.04 |
| A0028572 | 0-500 | 200 | 0.02 | ±0.06 |
| A0028573 | 0-750 | 200 | 0.02 | ±0.08 |



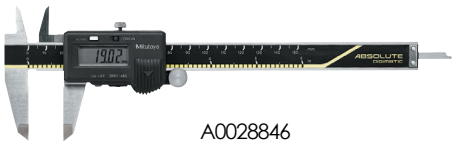
A0010897

Series 505

**Titanium Coated Dial Calipers**

| System Code | Measuring Range mm | Dial Reading Graduation | Range per Rev. | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0010897 | 0-150 | 0.02 | 2 | ±0.03 |

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A0028846

Series 500

**Electronic Calipers**

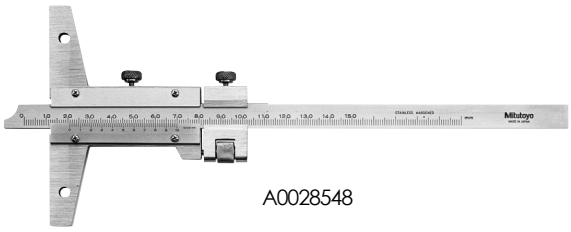
| System Code | Measuring Range | Digital Readout | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028846 | 0-150 | 0.01 | ±0.02 |
| A0028451 | 0-150 | 0.01 | ±0.02 |
| A0028444 | 0-200 | 0.01 | ±0.02 |
| A0028445 | 0-300 | 0.01 | ±0.03 |
| A0028457 | 0-600 | 0.01 | ±0.05 |
| A0028449 | 0-150/6" | 0.01/0.0005" | ±0.02 |
| A0010896 | 0-200/8" | 0.01/0.0005" | ±0.02 |
| A0010904 | 0-300/12" | 0.01/0.0005" | ±0.03 |

**Waterproof Metric Calipers**

| System Code | Measuring Range | Digital Readout | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028462 | 0-150 | 0.01 | ±0.02 |
| A0028463 | 0-200 | 0.01 | ±0.02 |
| A0028466 | 0.200 | 0.01 | ±0.02 |
| A0028464 | 0-300 | 0.01 | ±0.02 |

**Waterproof Metric/Imperial**

| System Code | Measuring Range | Digital Readout | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028469 | 0-150/6" | 0.01/0.0005" | ±0.02 |



A0028548

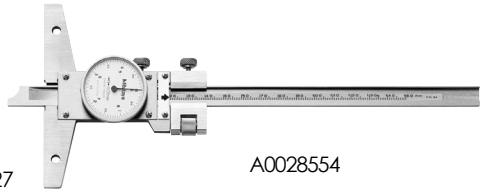
Series 527

**Depth Verniers with Fine Adjustment**

| System Code | Measuring Range | Vernier Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028548 | 0-150 | 0.02 | ±0.03 |
| A0028549 | 0-200 | 0.02 | ±0.03 |
| A0028550 | 0-300 | 0.02 | ±0.04 |

**Depth Verniers without Fine Adjustment**

| System Code | Measuring Range | Vernier Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028551 | 0-150 | 0.05 | ±0.05 |
| A0028552 | 0-200 | 0.05 | ±0.05 |
| A0028553 | 0-300 | 0.05 | ±0.08 |



A0028554

Series 527

**Dial Depth Gauges with Fine Adjustment**

| System Code | Measuring Range | Dial Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028554 | 0-150 | 0.05 | ±0.05 |
| A0028555 | 0-200 | 0.05 | ±0.05 |
| A0028556 | 0-300 | 0.05 | ±0.08 |



A0028618

Series 571

**Electronic Depth Gauges**

| System Code | Measuring Range | Digital Readout | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028618 | 0-300 | 0.01 | ±0.02 |



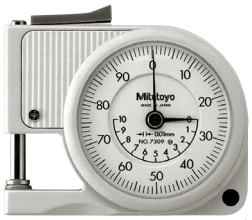
A0028647

**Dial Depth Gauges**

| System Code | Graduation Range | Reference | Face Length |
|---|---|---|---|
| | mm | mm | mm |
| A0028647 | 0-200 | 0.01 | 63.5 |
| A0028648 | 0-200 | 0.01 | 101.6 |

 Pictures may vary from the actual product.

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A0028657

**Pocket Thickness Gauges**

| System Code | Measuring Range | Graduation | Throat Depth |
|---|---|---|---|
| | mm | mm | mm |
| A0028657 | 0-10 | 0.01 | 19 |



A0028650

**Dial Thickness Gauges**

| System Code | Measuring Range | Graduation | Throat Depth |
|---|---|---|---|
| | mm | mm | mm |
| **Type A - Standard Type** | | | |
| A0028650<br>A0028651<br>A0028656 | 0-10<br>0-20<br>0-10 | 0.01<br>0.01<br>0.001 | 30<br>30<br>30 |
| **Type E - For Tube Thickness** | | | |
| A0028658 | 0-10 Tube | 0.01 | 20 |
| **Type B - Deep Throat Type** | | | |
| A0028654<br>A0028655 | 0-10<br>0-20 | 0.01<br>0.01 | 120<br>120 |



A0028908

**Dial Indicators**

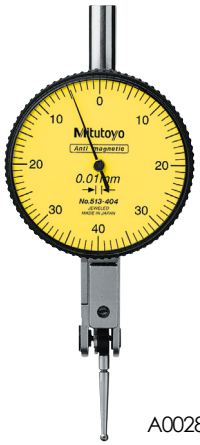
| System Code | Stroke | Graduation | Bezel | Comment |
|---|---|---|---|---|
| | mm | mm | mm | |
| A0028907 | 5 | 0.01 | 40 | - |
| A0032381 | 10 | 0.01 | 55 | - |
| A0028908 | 10 | 0.01 | 55 | Waterproof |
| A0028260 | 10 | 0.01 | 55 | Jeweled |
| A0028261 | 20 | 0.01 | 55 | - |
| A0028262 | 30 | 0.01 | 55 | - |
| A0032391 | 1 | 0.001 | 55 | Micron Reading |
| A0028273 | 5 | 0.001 | 55 | Micron Reading |
| A0028909 | 20 | 0.01 | 78 | - |
| A0028369 | 30 | 0.01 | 75 | - |
| A0028370 | 50 | 0.01 | 75 | - |



Series 513 A0028510

**Finger Clocks**

| System Code | Range | Graduation | Bezel | Stylus Length | Comment |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | |
| A0028510 | 0.8 | 0.01 | 32 | 21 | Full Set |



Series 513 A0028500

**Vertical Dial Test Indicators**

| System Code | Range | Graduation | Bezel | Stylus Length | Comment |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | |
| A0028500 | 0-0.2 | 0.002 | 38 | 14.7 | Gauge Only |
| A0028501 | 0-0.2 | 0.002 | 38 | 14.7 | Set |
| A0010887 | 0-0.8 | 0.01 | 38 | 20.9 | Gauge Only |
| A0010890 | 0.0.8 | 0.01 | 38 | 20.9 | Set |



Series 513 A0028505

**Horizontal Dial Test Indicators**

| System Code | Range | Graduation | Bezel | Stylus Length | Comment |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | |
| A0028505 | 0-0.8 | 0.01 | 38 | 20.9 | Set |

Pictures may vary from the actual product.



Series 201

Without Dial Indicator
A0028241

| Dial Snap Gauges | | | |
|---|---|---|---|
| System Code | Measuring Range | Anvil Size | Anvil Retracting Range |
| | mm | mm | mm |
| A0028241 | 0-25 | 13.5x12 | 2 |
| A0028242 | 25-50 | 13.5x12 | 2 |
| A0028243 | 50-75 | 13.5x12 | 2 |
| A0028244 | 75-100 | 13.5x12 | 2 |

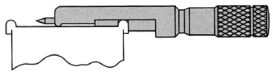
Supplied **without a** dial indicator. Dial indicators DI0-10 and 2046S can be used on this product.

## Can Seam Micrometers

Series 147

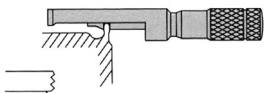


For Steel Cans



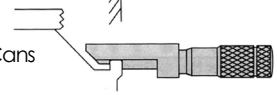
MCSMS

For Aluminium Cans



MCSMA

For Aerosol Spray Cans



MCSMAS

| Can Seam Micrometers | | | |
|---|---|---|---|
| System Code | Measuring Range | Graduation | Measuring Application |
| | mm | mm | mm |
| A0029564 | 0-13 | 0.01 | Steel Cans |
| A0029565 | 0-13 | 0.01 | Aluminium Cans |
| A0029566 | 0-13 | 0.01 | Aerosol Spray Cans |

## Height Gauges



Series 514

A0025811

| Can Seam Micrometers | | | |
|---|---|---|---|
| System Code | Measuring Range | Vernier Reading | Accuracy |
| | mm | mm | mm |
| A0028511 | 300 | 0.02 | ±40 |
| A0025812 | 450 | 0.02 | ±50 |
| A0028513 | 600 | 0.02 | ±50 |

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Series 570

A0028611

| Electronic Height Gauges | | | | |
|---|---|---|---|---|
| System Code | Measuring Range | Resolution | Accuracy | Repeatability |
| | mm | mm | mm | mm |
| A0028611 | 300 | 0.01 | ±0.04 | 0.01 |
| A0028612 | 600 | 0.01 | ±0.05 | 0.01 |



A0028222

Series 192

| Double Beam Electronic Height Gauges | | | | |
|---|---|---|---|---|
| System Code | Measuring Range | Resolution | Accuracy | Repeatability |
| | mm | mm | mm | mm |
| A0028222 | 300 | 0.01 | ±0.02 | 0.01 |
| A0028223 | 600 | 0.01 | ±0.05 | 0.01 |
| A0028224 | 1000 | 0.01 | ±0.07 | 0.01 |



Pictures may vary from the actual product.

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Highly Accurate Height Gauge.

A0028538

**Digital Height Gauges - Linear Height Lite**

| System Code | Measuring Height | Data Output | Accuracy | Resolution | Repeatability |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0028538 | 350 | R5 - 232C | ±0.01 | 005, 001 | 0.003 |



A0028159

Carbide Tipped Anvil. Non Rotating Spindle. Direct Reading.

**Electronic Micrometer Heads**

| System Code | Measuring Height | Reading | Error Limits |
|---|---|---|---|
| | mm | mm | mm |
| A0028159 | 0-50 | 0.001 | 0.003 |



A0028582

Series 543



A0028319

**Electronic Indicators**

| System Code | Measuring Range | Resolution | Stem | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028591 | 0-12 | 0.1/0.0005" | 3/8 | 0.0008 |
| A0028590 | 0-12 | 0.01 | 8 | 0.02 |
| A0028580 | 0-12.7 | 0.001 | 8 | 0.003 |
| A0028586 | 0-50.8 | 0.001 | 8 | 0.005 |

**Electronic Mini Processor**

| System Code | Model Type | Output Data | Printer |
|---|---|---|---|
| A0028319 | DP-IHS | RS-232C | Thermal dot matrix |



A0028632

Series 575



A0028869

**NOTE:** only the base unit is sold. Optional accessories are extra.

**Electronic Indicators**

| System Code | Measuring Range | Resolution | Stem | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028632 | 0-25 | 0.01 | 8 | 0.02 |

**Magnetic Bases**

| System Code | Base | | | Column Length | | Fine Adjustment |
|---|---|---|---|---|---|---|
| | W | L | H | Lower | Upper | |
| A0028869 | 50 | 60 | 55 | 176 | 165 | Without |
| A0028870 | 50 | 60 | 55 | 176 | 150 | With |

Pictures may vary from the actual product.



A0028149

**Micrometer Stands**

| System Code | Micrometer No. | Comment |
|---|---|---|
| A0028149 | 0-100 | Adjustable Angle |



A0028643

**Dial Comparator Stands**

| System Code | Measuring Range | Fine Adjustment | Anvil |
|---|---|---|---|
| | mm | mm | |
| A0028643 | 0-100 | 2 | Serrated |
| A0028644 | 0-100 | 2 | Flat |



A0028212

**Universal Bevel Protractors**

| System Code | Blade Length |
|---|---|
| | mm |
| A0028212 | 150, 300 w/60', 45', 30' edges |

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A0028181

**Setting Rings**

| System Code | Inside Ø | Cylindricity | Manufacturing Tolerance |
|---|---|---|---|
| | mm | mm | mm |
| A0028181 | 8 | 1 | ±0.01 |
| A0028182 | 10 | 1 | ±0.01 |
| A0028188 | 16 | 1 | ±0.01 |
| A0028183 | 25 | 1 | ±0.01 |
| A0028184 | 35 | 1 | ±0.01 |
| A0028189 | 45 | 1 | ±0.01 |
| A0028185 | 50 | 1 | ±0.02 |
| A0028186 | 70 | 1.5 | ±0.02 |
| A0028187 | 90 | 1.5 | ±0.02 |



A0028150

**Optical Flats**

| System Code | To check Micrometer | Flatness | Parallelism | Ø |
|---|---|---|---|---|
| | | um | um | mm |
| A0028150 | 0-25 | 1 | 2 | 30 |



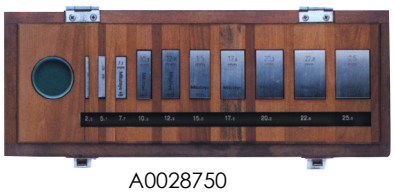
A0028522

**Slip Gauges**

| System Code | No. of Pieces | Range | Grade |
|---|---|---|---|
| | | mm | |
| A0028522 | 112 | 1.0005-100 | 0 |
| A0028523 | 112 | 1.0005-100 | 1 |
| A0028525 | 103 | 1.0005-100 | 0 |
| A0028527 | 103 | 1.0005-100 | 1 |
| A0028529 | 103 | 1.0005-100 | 2 |
| A0028752 | 87 | 1.001-100 | 0 |
| A0028530 | 87 | 1.001-100 | 1 |
| A0028531 | 76 | 1.005-100 | 0 |
| A0028532 | 56 | 1.001-100 | 2 |
| A0028534 | 47 | 1.005-100 | 2 |
| A0028535 | 32 | 1.005-60 | 1 |

 Pictures may vary from the actual product.

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A0028750

| Slip Gauges for Micrometer Inspections | | | | |
|---|---|---|---|---|
| System Code | No. of Pieces | Range | Grade Flat | Optical |
| | mm | mm | mm | mm |
| A0028750 | 10 | 2.5-25 | 0 | 12 |



516-807-10

| Carbide Wear Blocks | | | |
|---|---|---|---|
| System Code | Size | Grade | No. of Pieces |
| | mm | mm | |
| 516-807-10 | 1 | 0 | 2 |
| 516-802-10 | 2 | 1 | 2 |



A0028520

| Slip Gauges Accessories | | |
|---|---|---|
| System Code | No. of Pieces | Per Set |
| | mm | mm |
| A0028520 | 14 | For slip gauges up to 100 mm |



PJ-A3000

Series 302



PJ-H30

| Profile Projectors | | | |
|---|---|---|---|
| System Code | X Y Range | Effective Table Area | Screen Ø |
| | mm | mm | mm |
| A0028741 | 50 x 50 | 82 x 82 | 315 |
| A0028740 | 100 x 100 | 142 x 142 | 315 |

| Profile Projectors | | |
|---|---|---|
| Resolution | Standard Lens | Screen Centre Height |
| mm | | mm |
| 0.001 | 10x | 854 |
| 0.001 | 10x | 854 |

| Slip Gauges for Micrometer Inspections | | | | | |
|---|---|---|---|---|---|
| System Code | X Y Range | Effective Table Area | Screen Ø | Resolution | Standard Lens |
| | mm | mm | mm | mm | |
| A0028357 | 100 x 100 | 180 x 150 | 315 | 0.001 | 10x |



A0028715

Well suited for measuring dimensions and angles on machined components. It can also be used to check the shape of small components by attaching an optical reticle. Angle measurement is achieved by turning an angle scale disc to align the cross hair reticle with the workplace image.

| Toolmakers Microscopes (TM500) | | | | |
|---|---|---|---|---|
| System Code | X Y Range | Effective Table Area | Max. Work-place Height | Total Magnification |
| | mm | mm | mm | |
| A0028715 | 50 x 50 | 96 x 96 | 115 | 30x |

A wide range of standard optical reticles and optical accessories are available. A wide range of Toolmakers microscopes with varying specifications are available on request. A price is quoted without micrometer heads, however, both mechanical and electronic heads are available. Please specify your preference.

## Portable Surface Roughness Tester



A0028721

For highly accurate measurement of surface roughness. SJ-210

| Portable Surface Roughness Tester | | | |
|---|---|---|---|
| System Code | Transverse Range | Measuring Range | Evaluation Parameters |
| | mm | u | mm |
| A0028721 | 12.5 | 300 (±150) | Ra,Rq, Ry, Rz, Rt, Rp, Mr, S, Sm, Pc |

A wide range of surface testers with varying specifications are available on request.

Mitutoyo NEWALL



A0028734

| Roundness Measuring Instruments - RA-120 | | | | | | |
|---|---|---|---|---|---|---|
| System Code | Ø | Weight | Table Ø | Measuring Ø | Probing Height | Depth |
| | mm | kg | mm | mm | mm | mm |
| A0028734 | 440 | 25 | 150 | 280 | 280 | 100 |

A wide range of roundness testers with varying specifications are available on request.



A0028766

Used for on site hardness measurement. Can measure hardness on curved and flat surfaces. Measures L hardness (conforming to ASTM A 956)

| Portable Hardness Tester - HH411 | |
|---|---|
| System Code | Hardness Conversions |
| A0028766 | Rockwell C<br>Vickers<br>Rockwell B Shore |

A wide range of hardness testers with varying specifications are available on request.

## Digital Read Out Systems

**Spherosyn Transducers**
Unlike traditional glass scales, Newall´s linear encoders incorporate the precision of ball bearings and the durability of electro-magnetic technology to provide accurate and dependable measurement even under harsh workshop conditions. The unit is a totally sealed, non-contact systyem.



G0001941

| Encoders | |
|---|---|
| System Code | Travel |
| | mm |
| G0001941 | 254 |
| G0001888 | 152 |
| G0001916 | 178 |
| G0001921 | 203 |
| G0001930 | 254 |
| G0001941 | 305 |
| G0001949 | 356 |
| G0001954 | 406 |
| G0001959 | 457 |
| G0001962 | 508 |
| G0001965 | 559 |
| G0001968 | 610 |
| G0001973 | 660 |
| G0001975 | 711 |
| G0001978 | |
| G0001981 | 762 |

| Encoders | |
|---|---|
| System Code | Travel |
| | mm |
| G0001984 | 813 |
| G0001986 | 864 |
| G0001989 | 914 |
| G0001992 | 965 |
| G0001885 | 1016 |
| G0001890 | 1067 |
| G0001891 | 1118 |
| G0001892 | 1168 |
| G0001895 | 1219 |
| G0001900 | 1270 |
| G0001903 | 1321 |
| G0001906 | 1372 |
| SS1422E35 | 1422 |
| G0001910 | 1473 |
| G0001914 | 1524 |

* E35 Suffix = 3.5 mm cable
E70 Suffix = 7.0 mm cable

Spherosyn Head (Std)
Spherosyn Head (7 m cable)
Scale Bracket Kit (Std)
Single-End Mounting Bracket
Heavy-Duty Bracket Kit

Microsyn transducers are available on request.

 Pictures may vary from the actual product.

Mitutoyo NEWALL

## DP 700 COUNTER

**Digital Readout**
This is the latest Newall product featuring a compact and ergonomic design. This powerful and easy-to-use Digital Readout, it can be interfaced to the market leading Spherosyn™ and Microsyn™ linear encoders with ease.
Designed for all machining applications, this DP700 digital readout features:

- Intuitive Use
- High Reliability
- A Panel Mount Version is also available





| DP 700 Counter | | |
|---|---|---|
| System Code | Travel | Resolution |
| | mm | um |
| G0001768 | 1 | 1,2,5,10,20,50 |
| G0001789 | 2 | 1,2,5,10,20,50 |
| G0001790 | 3 | 1,2,5,10,20,50 |

2 and 3 Axis Versions Available in a Mill and Lathe

## DP 1200 DIGITAL READOUT

**A New Dimension of Ultimate Performance**
Engineered specifically for long travel machine tools, the DP1200 DRO offers features that are essential for increasing productivity of boring mills, planer mills, VTLs, milling machines and long travel lathes. Built with the operator in mind, the DP1200 includes large, clear numerical displays with a high resolution 3.5" TFT screen. With an intuitive user interface and an optional DSU, the DP1200 is the ideal solution for either retrofit or OEM.



| DP 700 Counter | |
|---|---|
| System Code | No. of Axis |
| | um |
| G0001784 | 2 |
| G0001785 | 3 |
| G0001786 | 3 x 1 |
| G0001787 | 4 |

**Available in 2, 3 or 4 Axes (inlcuding rotary / angular)**

- Clean, Crisp, Extra Large, LEDs
- 3.5" TFT LCD display - High Density, High Contrast
- User Definable Axis Legends
- Solid Cast Construction
- Long Life Membrane Keypad
- Safe, Low Voltage Power Supply (UL)
- A panel Mount Version is Available

**DP1200 Features Include:**

- Real-Time Tool Path Graphics
- Auto-Zoom
- Feed Rate Display
- Bolt Hole Circle Routine
- Line Hole Routine
- Arc Contouring
- Programmable Memory/Teach
- Polar Coordinate Readings
- Tool Offsets
- Taper Calculations
- Axis Vectoring/Summing
- Linear and Segmented Error Comp.
- Skew
- RS232 Output
- Languages: English, French, German, Spanish, Italian, Turkish, Czech, Russian, Portuguese and Danish.

## Digital Read Out Systems

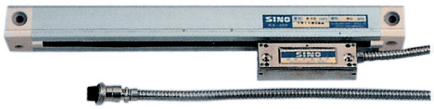
For accurate positioning on conventional machine tools. The same counter is suitable for both lathe and milling machines. Multifunctional 2 or 3 axis units. Features include an Arc calculation function, circular dividing, oblique line positioning, angular surface processing, taper measurement and mathematical calculation.




ISO9001

A0029746

| Digital Read Out Systems | | | |
|---|---|---|---|
| System Code | Machine Axes | No. of Resolutions | Storage Memory |
| | mm | kg | mm |
| A0029746 | 2 | 0.5/.15 | 200 |
| A0029747 | 3 | 0.5/.15 | 200 |



A0029766

| Scales - Slim Line | | | |
|---|---|---|---|
| System Code | Travel | Cable Length | Accuracy |
| | mm | m | mm |
| A0029766 | 220 | 3 | 0.005 |
| A0029767 | 270 | 3 | 0.005 |
| A0029768 | 320 | 3 | 0.005 |

| Scales - Normal | | | |
|---|---|---|---|
| System Code | Travel | Cable Length | Accuracy |
| | mm | m | mm |
| A0029770 | 370 | 3 | 0.005 |
| A0029773 | 420 | 3 | 0.005 |
| A0029774 | 420 | 3 | 0.005 |

| Scales - Normal | | | |
|---|---|---|---|
| System Code | Travel | Cable Length | Accuracy |
| | mm | m | mm |
| A0029772 | 420 | 3 | 0.005 |
| A0029773 | 420 | 7 | 0.005 |
| A0029776 | 470 | 3 | 0.005 |
| A0029777 | 520 | 3 | 0.005 |
| A0029778 | 570 | 3 | 0.005 |
| A0029779 | 620 | 3 | 0.005 |
| A0029780 | 670 | 3 | 0.005 |
| A0029781 | 720 | 3 | 0.005 |
| A0029782 | 820 | 3 | 0.005 |
| A0029783 | 870 | 3 | 0.005 |
| A0029784 | 920 | 3 | 0.005 |
| A0029785 | 970 | 3 | 0.005 |
| A0029753 | 1020 | 3 | 0.005 |

| Scales - Normal | | | |
|---|---|---|---|
| System Code | Travel | Cable Length | Accuracy |
| | mm | m | mm |
| A0029755 | 1100 | 3 | 0.005 |
| A0029754 | 1100 | 7 | 0.005 |
| A0029757 | 1200 | 3 | 0.005 |
| A0029756 | 1200 | 7 | 0.005 |
| A0029759 | 1400 | 3 | 0.005 |
| A0029758 | 1400 | 7 | 0.005 |
| A0029762 | 1600 | 3 | 0.005 |
| A0029761 | 1600 | 7 | 0.005 |
| SCALE1700Q | 1700 | 3 | 0.005 |
| A0029763 | 1700 | 7 | 0.005 |
| SCALE1800/7Q | 1800 | 7 | 0.005 |
| A0029764 | 1900 | 7 | 0.005 |
| A0029765 | 2100 | 7 | 0.005 |

### Tool setting and broken tool detection Solutions

Tool checking probes for machining centres



**TS27R**
Contact tool setting and broken tool detection

- The standard setting probe for machining cetres
- Precise tool length and diameter measurement
- Rotating tools can be checked without wear to the tool or stylus
- Stylus protected by a weak link, preventing probe damage in the event of a collision.

### Component Set-Up & Inspection Solutions

Probe systems for Machining Centres



**OMP40-2 with OMI-2T**
Ultra-compact probe

- Ultra compact design - Ø40 mm x 50 mm in length.
- Probe transmits through a full 360˚ at 90˚ angle to the spindle with a range of over 4 m.
- Uses standard-sized 1/2 AA batteries and offers industry leading continuous-use battery life of over 140 hours.
- Ideal for use in small and compact machining centres, where space is at a premium.
- Suitable for use with Renishaw's twin probe system.

 Pictures may vary from the actual product.

**Component Set-Up & Inspection Solutions**

Probe systems used for machining centres.




**OMP60-2 with OMI-2 / OMI-2T**
State-of-the-art modulated optical transmission

- Compact size - Ø63 mm x 76 mm in length.
- Probe transmits through 360˚ at 90˚ angle to the spindle with a range of over 6m
- User selectable switch-on/switch-off methods.
- Simple probe configuration via Renishaw.

**Tool Setting & Broken Tool Detection Solutions**

Tool checking probes for machining centres




**OTS**
Tool Setting and Tool Breakage Detection

- Wireless optical communication.
- Precise tool length and diameter measurement.
- Stylus protected by weak link.

**Styli & Accessories**
When precision counts, insist on genuine Renishaw styli. Don't settle for less!



**Styli and Accessories Continued**

**The Range of Genuine Renishaw styli :**

- Straight Styli
- Star Styli
- Disc Styli
- Cylindrical Styli

## Reprorubber



A0029728

| Scales - Normal | |
|---|---|
| **System Code** | **Description** |
| A0029728 | Quick set putting 220ml |
| A0029729 | Thin pour 130ml |

Metrology grade casting material

- Quick casting - Zero shrinkage
- No release agent required - will not stick to part.
- Exact surface finish replication.
- Copies can be re-copied.
- Replicas are permanent.
- 5 to 15 minute cure time.
- More accurate than RTV

## Vision System Vumaster

VuMaster is a manual 2D vision system with a massive difference.

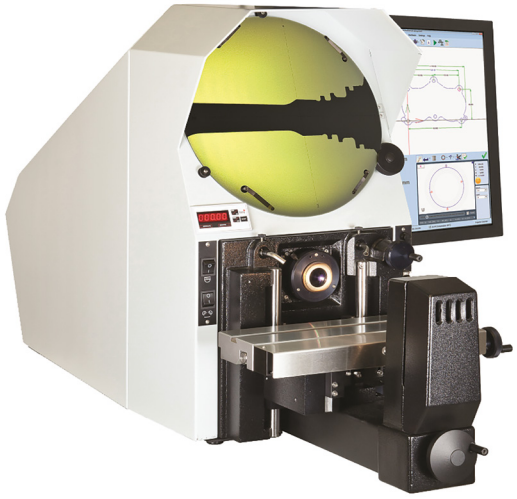


**System code**
A0029719

**Standard Features :**

- Large 400 mm x 300 mm measuring range
- Patented measuring technology
- Teach and repeat part programming
- Video edge detection
- Digital zoom
- Fully integrated system - everything is included: Built-in PC, 19" flat screen monitor and printer
- Programmable segmented LED lighting system
- Motorised autofocus
- Image grab
- CNC option available

## Profile Projector R14



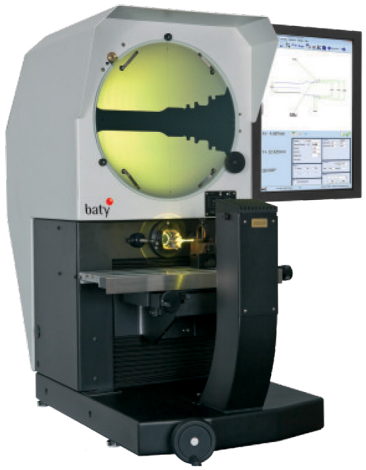
**System Code**
A0029723

**Standard Features :**

- 340 mm (14") screen with 90° crosslines and chart clips
- Profile illumination with halogen lamp and green filter
- Lens magnification choice : x10, x20, x25, x50, and x100
- Surface illumination (fibre optic)
- Helix adjustment of light source ± 7° for accurate thread form projection
- Workstage with machined slot for holding accessories
- Workstage measuring range of 75 mm (7") x 100 mm (4")
- Digital angle measurement to 1 minute

 **Pictures may vary from the actual product.**

## Profile Projector R400



**System Code**
A0029724

**Standard Features :**

- 400 mm (16") screen with 90° crosslines and chart clips
- Profile illumination with halogen lamp and green filter
- Lens magnification choice : x10, x20, x25, x50, and x100
- Surface illumination (fibre optic)
- Helix adjustment of light source for accurate thread form projection
- Workstage with machined slot for holding accessories
- Workstage measuring range of 300 mm (12") x 150 mm (6")
- Digital angle measurement to 1 minute

## Profile Projector R600



**System Code**
A0029725

**Standard Features :**

- 600 mm (24") screen with 90° crosslines and chart clips
- Heavy duty workstage with 450 mm x 200 mm (18" x 8") measuring range and 2 machined slots for workpiece holders
- Angular rotation of ± 15° workstage for measuring thread-forms or cutting tools
- Vertical 200 mm (8") Y axis power driven with joystick control
- Lens magnification choice - x5, x10, x20, x25, x50, x100
- 4 position rotating lens turret for ease of lens changing
- Profile illumination with halogen lamp and green filter
- Screen hood and curtains for use in bright ambient light conditions
- Digital angle measurement

## Profile Projector SM350



**System code**
**On request**
**Standard Features :**

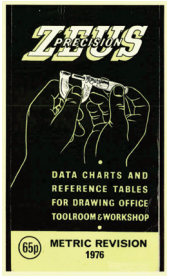
- Fully usable 340 mm screen
- Digital screen protractor
- Built in helix adjustment
- Sturdy all-steel design
- Cross roller bearings
- Quick release 'X' and 'Y' travel
- Erect image
- Easy-view vertical screen
- Large stage travel 10" (250 mm) x 5" (125 mm)
- Rotating chart clips
- Fibre optic illumination for surface measurement
- Includes 10x lens

## Electrical Arc Engraver



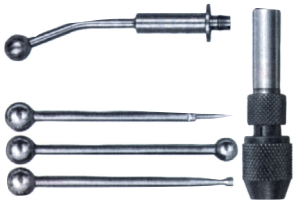
| System code | Description |
|---|---|
| A0029621 | Free hand electric arc engraver |

## Zeus Data Books




**System Code**
A0010274

## Wiggler Set



| System code | Description |
|---|---|
| WS | Wiggler set |



A0029624

**Edge Finders**

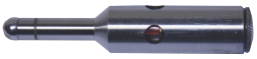
| System Code | Description | Shank Ø | Point Ø |
|---|---|---|---|
| | mm | mm | mm |
| A0029624 | Single end edge finder | 12 | 5 |



A0003510

**Edge Finders**

| System Code | Shank Ø | Touch point | Body Ø | Overall Length | Concentricity |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0003510 | 10 | 10 | 19 | 82.5 | 0.005 |



G0002321

**Electronic Edge Finders**

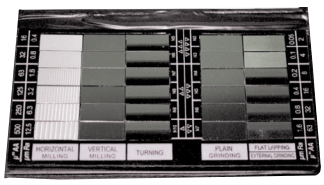
| System Code | Body Ø | Probe Ø | Overall Length | Concentricity |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| G0002321 | 20 | 10 | 96.5 | 0.01 |



G0000978

**Accu Centre Edge Finders**

| System Code | Small Ø | Large Ø | Overall Length | Repeatability |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| G0000978 | 10 | 19 | 81.5 | ±0.002 |

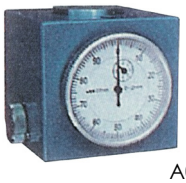


A0027991

Surface comparisons for milling, turning lapping, grinding and reaming.

**Surface Roughness Comparators**

| System Code | No. of Specimens | Specimens Unit Size | Milling & Turning | Grinding | Lapping |
|---|---|---|---|---|---|
| | mm | mm | | | |
| A0027991 | 32 | 22X10 | 16, 32, 63, 125, 250, 500 | 2, 4, 8, 16, 32, 63 | 2, 4, 8 |



A0029620

**Z-Axis Seters**

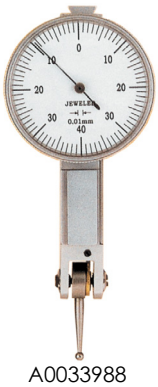
| System Code | Height | Range | Graduation |
|---|---|---|---|
| | mm | mm | mm |
| A0029620 | 50 | 0-2 | 0.01 |



A0027985

**3D Tasters**

| System Code | Accuracy | Indicator Ø | Graduation | Shank Ø h5 |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0027985 | 0.01 | 50 | 0.01 | 20 |



A0033988

Jeweled • Vibration proof • Pivot ball bearing • Carbide contact ball

**Finger Clocks**

| System Code | Resolution | Travel | Bezel Ø | Contact Ball Ø |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0033988 | 0.01 | 0.8 | 30 | 2 |

 Pictures may vary from the actual product.



A0028886

Vertical body dial test indicators with a horizontal face

| Horizontal Finger Clocks | | | | |
|---|---|---|---|---|
| System Code | Resolution | Travel | Accuracy | Bezel Ø |
| | mm | mm | mm | mm |
| A0028886 | 0.01 | 0.8 | 0.008 | 31.8 |



A0033138

| Electronic Finger Clocks - Metric/Imperial | | | | | |
|---|---|---|---|---|---|
| System Code | Resolution | Bezel Width | Bezel Height | Ball Ø | Stylus Length |
| | mm | mm | mm | mm | mm |
| A0033138 | 0.01 | 50 | 37.5 | 2 | 26 |



A0028888

Jeweled • Steel Body • with Back Lug

| Dial Indicators | | | |
|---|---|---|---|
| System Code | Bezel Ø | Resolution | Travel |
| | mm | mm | |
| A0028888 | 42 | 0.01 | 3 |
| A0028889 | 58 | 0.01 | 5 |
| A0027995 | 58 | 0.01 | 10 |
| A0028883 | 58 | 0.01 | 10-Shockproof |
| A0027995 | 58 | 0.001 | 1 |



A002884

| Electronic Digital Indicators | | | | |
|---|---|---|---|---|
| System Code | Travel | Resolution | Bezel Ø | Stem |
| | mm | mm | mm | mm |
| A002884 | 10 | 0.01 mm/0.0005" | 57 | 8 |



A0028956

| Bore Gauges | | | | |
|---|---|---|---|---|
| System Code | Range | Resolution | Depth | No. of Anvils |
| | mm | mm | mm | mm |
| A0028956 | 6-10 | 0.01 | 40 | 9 |
| A0028957 | 10-18 | 0.01 | 100 | 9 |
| A0028981 | 18-35 | 0.01 | 125 | 7 |
| A0028954 | 35-50 | 0.01 | 150 | 3 |
| A0028955 | 50-100 | 0.01 | 150 | 5 |
| A0028937 | 50-160 | 0.01 | 150 | 5 |
| A0028952 | 160-250 | 0.01 | 400 | 5 |
| A0028953 | 250-450 | 0.01 | 400 | 5 |



A0002599

**Thickness Gauges**

| System Code | Range | Reading | Throat Depth |
|---|---|---|---|
| | mm | | mm |
| A0002599 | 0-10 | 0.01 | 100 |



A0028901

**Groove Tester**

| System Code | Measuring Range | Graduation | Measuring Sphere Ø | Max. Measuring Depth |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028901 | 15-35 | 0.01 | 3 | 50 |
| A0028902 | 35-55 | 0.01 | 3 | 80 |
| A0028903 | 55-75 | 0.01 | 3 | 100 |
| A0028904 | 75-95 | 0.01 | 3 | 100 |
| A0028905 | 95-115 | 0.01 | 3.2 | 150 |
| A0028900 | 115-135 | 0.01 | 3.2 | 150 |




A0029330



A0028827

Stainless Steel • Satin Chromed • Hardened • With Depth Rod

**Electronic Thickness Gauges**

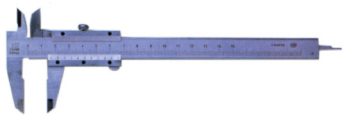
| System Code | Range | Reading | Throat Depth | Anvil Ø |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029330 | 0-15 | 0.01 | 15 | 9 |
| A0029331 | 0-25 | 0.01 | 20 | 9 |

**Monoblock Vernier Calipers**

| System Code | Measuring Range | Vernier Scale | Length of External Jaws |
|---|---|---|---|
| | mm | mm | mm |
| A0028827 | 150 | 0.02 | 40 |
| A0028829 | 200 | 0.02 | 60 |
| A0028832 | 300 | 0.02 | 60 |




A0029330



A0028823

**Standard Vernier Calipers**

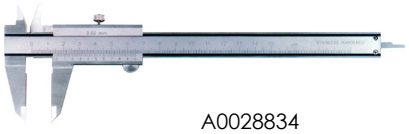
| System Code | Measuring Range | Vernier Scale | Length of External Jaws |
|---|---|---|---|
| | mm | mm | mm |
| A0028823 | 100 | 0.02 | 30 |
| A0028825 | 150 | 0.02 | 40 |
| A0028843 | 150 | 0.05 | 40 |
| A0028844 | 200 | 0.02 | 60 |
| A0028845 | 300 | 0.02 | 60 |

**Pin Point Electronic Thickness Gauges**

| System Code | Range | Reading | Throat Depth | Anvil Ø |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029330 | 0-15 | 0.01 | 35 | 2.0 |

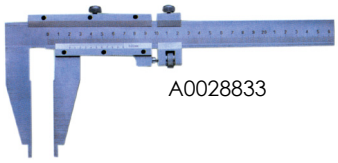


Pictures may vary from the actual product.



A0028834

| Metric/Imperial Calipers | | | |
|---|---|---|---|
| System Code | Measuring Range | Vernier Scale | Length of External Jaws |
| | mm | mm | mm |
| A0028834 | 150/6" | 0.02 mm / 0.001" | 40 |



A0028833

Comes with fine adjustment, but without a depth gauge

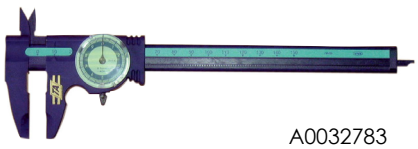
| Large Capacity Calipers | | | |
|---|---|---|---|
| System Code | Measuring Range | Vernier Scale | Length of External Jaws |
| | mm | mm | mm |
| A0028833 | 500 | 0.02 | 100 |
| A0014275 | 1000 | 0.02 | 125 |
| A0028825 | 1500 | 0.02 | 125 |
| A0028844 | 2000 | 0.02 | 150 |



A0028841

Stainless Steel • Satin Chromed • Hardened & Ground • With Depth Rod

| Internal Groove Vernier Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Vernier Scale | Flat Point Thickness | Flat Point Length | Permissable Error |
| | mm | mm | mm | mm | |
| A0028841 | 18-150 | 0.02 | 2.0 | 5.0 | ±0.02 |



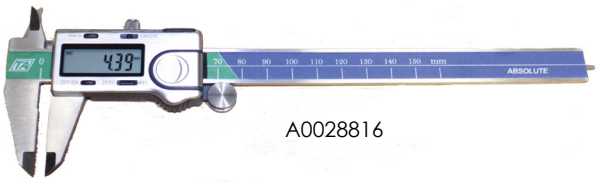
A0032783

| Carbon Fibre Dial Verniers | | | |
|---|---|---|---|
| System Code | Measuring Range | Reading | Jaw Length |
| | mm | mm | mm |
| A0032783 | 0-150 | 0.01 | 40 |



A0028810

| Dial Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Reading | External Jaw Length | Internal Jaw Length | Accuracy |
| | mm | mm | mm | mm | mm |
| A0028810 | 0-150 | 0.02 | 40 | 17.3 | ±0.03 |
| A0028811 | 0-200 | 0.02 | 50 | 20.3 | ±0.03 |
| A0028812 | 0-300 | 0.02 | 60 | 21.3 | ±0.04 |



A0028816

Power on/off switch • Zero Setting at Any Position • Data Output Port Protection Rating IP40.

| Electronic Digital Calipers (Absolute) | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Reading | External Jaw Length | Internal Jaw Length | Accuracy |
| | mm | mm | mm | mm | mm |
| A0028816 | 150 | 0.01 mm/0.0005" | 40 | 17.3 | ±0.03 |
| A0028817 | 200 | 0.01 mm/0.0005" | 50 | 20.3 | ±0.03 |
| A0028818 | 300 | 0.01 mm/0.0005" | 60 | 21.3 | ±0.03 |

| Water Resistant Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Vernier Scale | External Jaw Length | Internal Jaw Length | Accuracy |
| | mm | mm | mm | mm | mm |
| A0028838 | 150 | 0.01 mm/0.0005" | 40 | 17.3 | ±0.03 |



A0028819

Power on/off switch • Zero Setting at Any Position • Data Output Port.

| Electronic Digital Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Resolution | External Jaw Length | Min. MT Measure | Accuracy |
| | mm | mm inch | mm | mm | mm |
| A0028819 | 0-500 | 0.01/0.005 | 100 | 20 | 0.05 |
| A0028837 | 0-1000 | 0.01/0.005 | 150 | 20 | 0.05 |
| A0028838 | 0-1500 | 0.01/0.005 | 150 | 20 | 0.05 |

Pictures may vary from the actual product.



A0028821

Power on/off switch • Zero Setting at Any Position • Data Output Port.

| Left Hand Electronic Digital Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Reading | External Jaw Length | Internal Jaw Length | Permissable Error |
| | mm | mm inch | mm | mm | mm |
| A0028821 | 150 | 0.01 mm/0.0005" | 40 | 21 | ±0.03 |



A0029329

Power on/off switch • Zero Setting at Any Position • Data Output Port.

| Electronic Digital Tube Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Reading | Jaw Pin Ø | Jaw Pin Length | Permissable Error |
| | mm | mm inch | mm | mm | mm |
| A0029329 | 0-150 | 0.01 mm/0.0005" | 4 | 30 | ±0.03 |



A0028836

Power on/off switch • Data Output Port

| Electronic Digital Internal Groove Calipers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Reading | Flat Point Thickness | Flat Point Length | Permissable Error |
| | mm | mm inch | mm | mm | mm |
| A0028836 | 22-150 | 0.01 mm/0.0005" | 1.0 | 6.0 | ±0.04 |

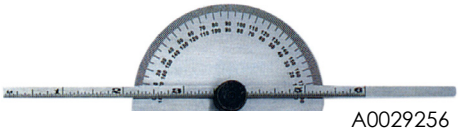
For use with electronic measuring instruments for statistical process control.



PRINTERC#

| Electronic Printers | | |
|---|---|---|
| System Code | Measuring Range | Adaptor |
| PRINTERC# | Impact dot matrix to suit | AC adaptor (DCSV-17A) |

Printer Features: Upper limits, lower limits, average values, standard deviations and number of measurements.



A0029256

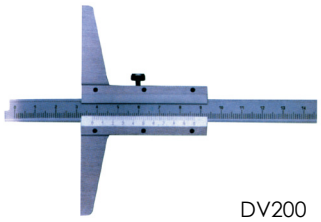
| Depth Gauges with Protractor | | | |
|---|---|---|---|
| System Code | Protracter Ø | Rule Length | Rule Graduation |
| | mm | mm | mm |
| A0029256 | 75 | 150 | 0.5 |



A0029255

| Depth Gauges | | | |
|---|---|---|---|
| System Code | Length of Bridge | Measuring Range | Rule Graduation |
| | mm | mm | mm |
| A0029255 | 75 | 150 std | 0.5 |

## Depth Verniers

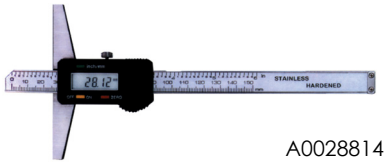


DV200

| Depth Verniers | | | |
|---|---|---|---|
| System Code | Range | Vernier Scale | Length of Bridge |
| | mm | mm | mm |
| DV200 | 0-200 | 0.02 | 102 |
| DV300 | 0-300 | 0.02 | 102 |

| Verniers with Hook | | | |
|---|---|---|---|
| System Code | Range | Vernier Scale | Length of Bridge |
| | mm | mm | mm |
| DVH200 | 0-200 | 0.02 | 102 |

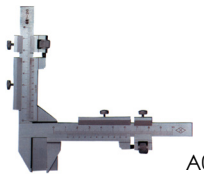
## Electronic Digital Depth Gauges



A0028814

| Electronic Digital Depth Gauges | | | |
|---|---|---|---|
| System Code | Range | Reading | Length of Bridge |
| | mm | mm | mm |
| A0028814 | 0-200 | 0.01 mm/0.0005" | 100 |
| A0028815 | 0-300 | 0.01 mm/0.0005" | 100 |

 Pictures may vary from the actual product.



A0029156

**Gear Tooth Verniers**

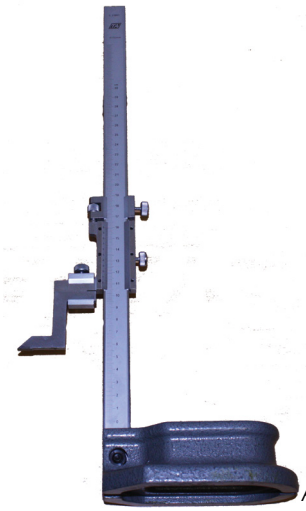
| System Code | Measuring Range Module | Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0029156 | 1-26 | 0.02 | ±0.02 |



A0029616

**Electronic Digital Height Gauges**

| System Code | Measuring Height | Resolution | Scriber Length | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029616 | 300 | 0.01 mm/0.0005" | 75 | ±0.04 |
| A0029618 | 500 | 0.01 mm/0.0005" | 100 | ±0.05 |



A0028840

**Height Gauges**

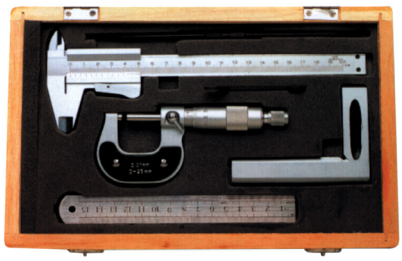
| System Code | Measuring Height | Resolution | Scriber Length | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028840 | 300 | 0.02 | 75 | ±0.04 |
| A0028820 | 500 | 0.02 | 100 | ±0.05 |
| A0028839 | 1000 | 0.02 | 110 | ±0.07 |



DBHG300

**Double Beam Dial Height Gauges**

| System Code | Measuring Height | Dial Reading | Counter Graduation | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| DBHG300 | 300 | 0.01 | 1.0 | ±0.04 |
| DBHG600 | 600 | 0.01 | 1.0 | ±0.05 |



A0028822

**Measuring Kits**

| System Code | Contents |
|---|---|
| A0028822 | 0-25 mm outside micrometer,<br>150 mm Vernier, Scriber, Square, Rule |



A0028867

**Micrometer Stands**

| System Code | Height | Width | Length | Weight |
|---|---|---|---|---|
| | mm | mm | mm | kg |
| A0028867 | 120 | 115 | 170 | 1.2 |



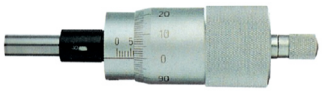
A0029372

Ratchet stop small barrel

**Micrometer Heads**

| System Code | Measuring Range | Read-ing | Accu-racy | Body Ø | Clamping Spigot Ø | Clamping Spigot Length | Overall Length |
|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | | mm | mm |
| A0029372 | 0.25 | 0.01 | 0.003 | 18 | $12\,{}^{0}_{-0.011}$ | 17.5 | 113 |

Continued ...



Ratchet stop small barrel.

A0029349

**Micrometer Heads**

| System Code | Measuring Range | Reading | Accuracy | Body Ø | Clamping Spigot Ø | Clamping Spigot Length | Overall Length |
|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | | mm | mm |
| A0029349 | 0.25 | 0.01 | 0.004 | 29 | 12 - $^{0}_{0.011}$ | 17.5 | 115 |



A0029320

Includes carbide anvils, friction thimble and RS232 data output and DIN 863/1 DIN40050/IEC529.

**Micrometer Head**

| System Code | Measuring Range | Reading | Accuracy | Clamping Spigot Ø |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029320 | 0-25/1" | 0.001 mm/0.00005" | 0.003 | 12 - $^{0}_{0.011}$ |



A0029350

Satin Chromed • For Measuring Small Componenets.

**Mini Outside Micrometers**

| System Code | Measuring Range | Reading | Accuracy | Overall Length |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029350 | 0-15 | 0.01 | ±0.004 | 67.5 |



A0028046

Carbide measuring faces. Ratchet stop.

**Outside Micrometers**

| System Code | Measuring Range | Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0028046 | 0-25 | 0.01 | ±0.004 |
| A0029289 | 25-50 | 0.01 | ±0.004 |
| A0029291 | 50-75 | 0.01 | ±0.005 |
| A0029292 | 75-100 | 0.01 | ±0.005 |

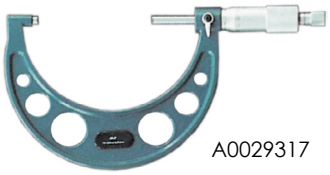


A0029348

Carbide measuring faces. Ratchet stop.

**Outside Micrometers - Left/Right Handed**

| System Code | Measuring Range | Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0029348 | 0-25 | 0.01 | ±0.004 |

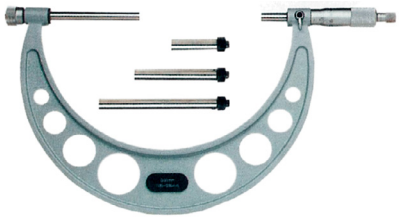


A0029317

Carbide measuring faces. Ratchet stop.

**Outside Micrometers**

| System Code | Measuring Range | Reading | Accuracy |
|---|---|---|---|
| | mm | mm | mm |
| A0029317 | 100-125 | 0.01 | ±0.006 |
| A0029352 | 125-150 | 0.01 | ±0.006 |
| A0029386 | 150-175 | 0.01 | ±0.007 |
| A0029388 | 175-200 | 0.01 | ±0.007 |
| A0029354 | 200-225 | 0.01 | ±0.008 |
| A0029355 | 225-250 | 0.01 | ±0.008 |
| A0029356 | 250-275 | 0.01 | ±0.009 |
| A0029357 | 275-300 | 0.01 | ±0.009 |



A0029364

Carbide measuring faces. Ratchet stop.

**Interchangeable Anvil Micrometers**

| System Code | Measuring Range | Reading | No. of Anvils | No. of Standards |
|---|---|---|---|---|
| | mm | mm | mm | |
| A0029364 | 0-100 | 0.01 | 4 | 3 |
| A0029365 | 100-200 | 0.01 | 4 | 4 |
| A0029366 | 200-300 | 0.01 | 4 | 4 |



A0029290

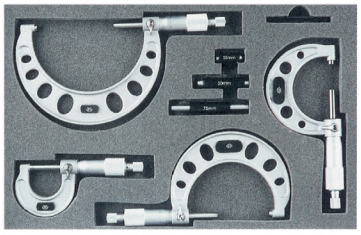
Carbide measuring faces. Ratchet stop.

**Large Diameter Outside Micrometers**

| System Code | Measuring Range | Reading |
|---|---|---|
| | mm | mm |
| A0029290 | 300-400 | 0.01 |
| A0029358 | 400-500 | 0.01 |
| A0029359 | 500-600 | 0.01 |
| A0029360 | 600-700 | 0.01 |
| A0029361 | 700-800 | 0.01 |
| A0029362 | 800-900 | 0.01 |
| A0029363 | 900-1000 | 0.01 |



Pictures may vary from the actual product.



A0029282

Carbide measuring faces. Ratchet stop.

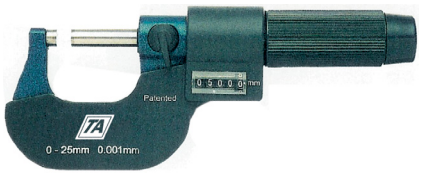
| Sets of Outside Micrometers | | | |
|---|---|---|---|
| System Code | Measuring Range | No. of Micrometers | Reading |
| | mm | mm | mm |
| A0029282 | 0-100 | 4 | 0.01 |
| A0029283 | 0-150 | 6 | 0.01 |
| A0029287 | 150-300 | 6 | 0.01 |
| A0029285 | 0-300 | 12 | 0.01 |



A0029321

Carbide Measuring Faces • Ratchet Stop • Auto on/off • Zero Setting of Any Position • Relative and Absolute Measurement Interchangeability • With Data Holding Function.

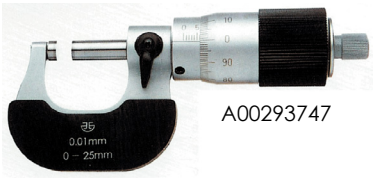
| Eletronic Digital Outside Micrometers | | | |
|---|---|---|---|
| System Code | Measuring Range | Resolution | Accuracy |
| | mm | mm | mm |
| A0029321 | 0-25/0-1" | 0.001 mm/0.00005" | 0.004 |
| A0029322 | 25-50/1-2" | 0.001 mm/0.00005" | 0.004 |
| A0029323 | 50-75/2-3" | 0.001 mm/0.00005" | 0.005 |
| A0029324 | 75-100/3-4" | 0.001 mm/0.00005" | 0.005 |



A0029315

Carbide measuring faces.

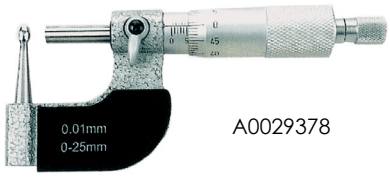
| Mechanical Digital Outside Micrometers | | | | |
|---|---|---|---|---|
| System Code | Measuring Range | Reading | Anvil Ø | Accuracy |
| | mm | mm | mm | mm |
| A0029315 | 0-25 | 0.01 | 6.5 | ±0.004 |



A00293747

Carbide Measuring Faces • Ratchet Friction Thimble.

| Large Barrel Outside Micrometers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Reading | Accuracy | Barrel Ø | Anvil Ø |
| | mm | mm | mm | mm | mm |
| A0029347 | 0-25 | 0.01 | ±0.004 | 30 | 8 |



A0029378

| Tube Micrometers | | | | |
|---|---|---|---|---|
| System Code | Measuring Range | Graduation | Accuracy | Verticle Spindle Anvil Ø |
| | mm | mm | mm | mm |
| A0029378 | 0-25 | 0.01 | ±0.004 | 5 |



A0029379

| Tube Micrometers (Type J) | | | | |
|---|---|---|---|---|
| System Code | Measuring Range | Graduation | Accuracy | Min. Tube Bore |
| | mm | mm | mm | mm |
| A0029379 | 0-25 | 0.01 | ±0.004 | 10.0 |



A0029368

Carbide tipped anvils.

| Pin Anvil Micrometers | | | | | |
|---|---|---|---|---|---|
| System Code | Measuring Range | Graduation | Pin Ø | Pin Length | Accuracy |
| | mm | mm | mm | mm | mm |
| A0029368 | 0-25 | 0.01 | 2.0 | 5.0 | ±0.004 |

Pictures may vary from the actual product.



A0029369

Carbide points.

**Point Micrometers**

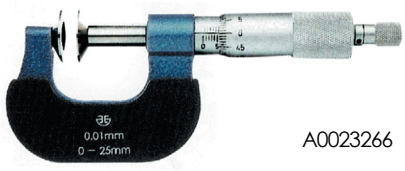
| System Code | Measuring Range | Graduation | Point Angle | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029369 | 0-25 | 0.01 | 30˚ | ±0.004 |



A0029309

**Blade Micrometers**

| System Code | Measuring Range | Reading | Blade Thickness | Blade Length | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029309 | 0-25 | 0.01 | 0.75 | 6.5 | ±0.004 |
| A0029310 | 25-50 | 0.01 | 0.75 | 6.5 | ±0.004 |
| A0029311 | 50-45 | 0.01 | 0.75 | 6.5 | ±0.005 |
| A0029312 | 75-100 | 0.01 | 0.75 | 6.5 | ±0.005 |



A0023266

**Disc Micrometers**

| System Code | Measuring Range | Reading | Disc Ø | Anvil Ø | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0023266 | 0-25 | 0.01 | 2.0 | 8 | ±0.004 |
| A0023268 | 25-50 | 0.01 | 2.0 | 8 | ±0.004 |
| A0023270 | 50-45 | 0.01 | 2.0 | 8 | ±0.005 |
| A0023271 | 75-100 | 0.01 | 2.0 | 8 | ±0.005 |



Carbide measuring faces. A0029319

**Deep Throat Micrometers**

| System Code | Measuring Range | Reading | Throat Depth | Anvil Ø | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029319 | 0-25 | 0.01 | 50 | 6.5 | ±0.003 |



A0029350

**Sheet Metal Micrometers**

| System Code | Measuring Range | Reading | Throat Depth | Anvil Ø | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029350 | 0-15 | 0.01 | 50 | 6.5 | ±0.004 |



A0029400

Supplied with two interchangeable vertical anvils – round and flat. Used for measuring tube wall thickness, shoulder edge distance, rivit head height, etc.

**Uni Micrometers**

| System Code | Measuring Range | Reading | Flat Anvil Width | Round Anvil Ø | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029400 | 0-25 | 0.01 | 6.5 | 3.0 | ±0.004 |



A0029325

Non-rotating spindles. Interchangeable anvils, 60˚ & 55˚.

**Screw Thread Micrometers**

| System Code | Measuring Range | Reading | Anvil Shank Ø | Anvil Shank Length | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | | mm | mm |
| A0029325 | 0-25 | 0.01 | 5.0 | 15 | ±0.004 |
| A0029326 | 25-50 | 0.01 | 5.0 | 15 | ±0.004 |
| A0029327 | 50-75 | 0.01 | 5.0 | 15 | ±0.004 |
| A0029328 | 75-100 | 0.01 | 5.0 | 15 | ±0.005 |

**60° Anvils**

| System Code | Pitch Range Metric | TPI Range UN |
|---|---|---|
| | mm | mm |
| A0029293 | 4-0.5 | 64-48 |
| A0029294 | 0.6-0.9 | 44-28 |
| A0029295 | 1.0-1.75 | 24-14 |

**60° Anvils**

| System Code | Pitch Range Metric | TPI Range UN |
|---|---|---|
| | mm | mm |
| A2-3 | 2-3 | 13-9 |
| A3.5-5 | 3.5-5 | 8-5 |
| A5-5.7 | 5-5.7 | 41/2-31/2 |

Supplied in pairs

**55° Anvils**

| System Code | TPI Range W |
|---|---|
| A0029307 | 60-40 |
| A0029305 | 48-40 |
| A0029304 | 40-32 |
| A0029302 | 32-24 |

**55° Anvils**

| System Code | TPI Range W |
|---|---|
| A0029300 | 24-18 |
| A0029298 | 18-14 |
| A0029297 | 14-10 |

**55° Anvils**

| System Code | TPI Range W |
|---|---|
| A0029296 | 10-7 |
| A0029308 | 7-41/2 |
| A0029303 | 41/2-31/2 |

Supplied in pairs.

 **Pictures may vary from the actual product.**



A0029325

Non-rotating spindles. Interchangeable anvils, 60˚ & 55˚. Absolute and relative measuring modes. Supplied complete with data output RS232C/SPC cables.

**Electronic Screw Thread Micrometers**

| System Code | Measuring Range | Reading | Anvil Shank Ø | Anvil Shank Length | Accuracy |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029325 | 0-25 | 0.001/0.00005" | 5.0 | 15 | ±0.004 |
| A0029326 | 25-50 | 0.001/0.00005" | 5.0 | 15 | ±0.004 |
| A0029327 | 50-75 | 0.001/0.00005" | 5.0 | 15 | ±0.004 |
| A0029328 | 75-100 | 0.001/0.00005" | 5.0 | 15 | ±0.005 |



A0029346

Non-rotating spindles.

**Internal Groove Micrometers**

| System Code | Measuring Range | Reading | Disc Thickness | Disc Ø | Anvil | Parallelism |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | |
| A0029346 | 0-25 1.6 | 0.01 | 0.75 | 6.5 | 3 | 0.01 |

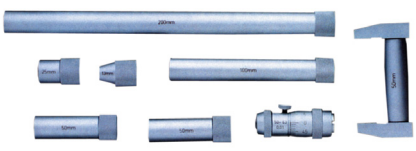


A0029314

Carbide Measuring Faces • Ratchet Stop.

**Caliper Type Inside Micrometers**

| System Code | Measuring Range | Reading | Accuracy | Anvil ø | Anvil Length |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029314 | 5-30 | 0.01 | ±0.005 | 2.0 | 5.0 |
| A0029313 | 25-50 | 0.01 | ±0.006 | 2.0 | 5.0 |



A0029280

**Inside Micrometers**

| System Code | Measuring Range | Reading | No. of Extension Rods |
|---|---|---|---|
| | mm | mm | mm |
| A0029280 | 25-50 | 0.01 | 2 |
| A0029281 | 50-300 | 0.01 | 5 |
| A0029281 | 50-500 | 0.01 | 6 |
| A0029545 | 50-1000 | 0.01 | 8 |
| A0029542 | 50-1500 | 0.01 | 10 |

Accuracy: ± (3+n+L/50) µm

## Three Point Micrometers

Carbide Lipped Contact Points • Supplied with Setting Rings

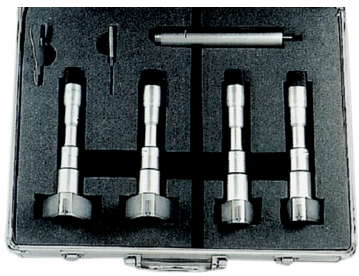


A0029339

**Internal Groove Micrometers**

| System Code | Measuring Range | Reading | Disc Thickness | Disc Ø | Anvil Ø | Parallelism |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm |
| A0029339 | 3-4 | 0.001 | 0.004 | 4 | 22.5 | 0.5 |
| A0029341 | 4-5 | 0.001 | 0.004 | 5 | 22.5 | 0.5 |
| A0029343 | 5-6 | 0.001 | 0.004 | 6 | 22.5 | 0.5 |
| A0029344 | 6-8 | 0.001 | 0.004 | 8 | 54.5 | 1.5 |
| A0029345 | 8-10 | 0.001 | 0.004 | 8 | 54.5 | 1.5 |
| A0029333 | 10-12 | 0.001 | 0.004 | 10 | 54.5 | 1.5 |
| A0029334 | 12-16 | 0.005 | 0.004 | 16 | 80 | 0.5 |
| A0029335 | 16-20 | 0.005 | 0.004 | 16 | 80 | 0.5 |
| A0029336 | 20-25 | 0.005 | 0.004 | 25 | 90 | 0.5 |
| A0029338 | 25-30 | 0.005 | 0.004 | 25 | 90 | 0.5 |
| A0029340 | 30-40 | 0.005 | 0.004 | 40 | 97 | 0.5 |
| A0029342 | 40-50 | 0.005 | 0.005 | 40 | 97 | 0.5 |
| A0029393 | 50-63 | 0.005 | 0.005 | 62 | 114 | 0.5 |
| A0029396 | 63-75 | 0.005 | 0.005 | 62 | 114 | 0.5 |
| A0029397 | 75-88 | 0.005 | 0.005 | 87 | 114 | 0.5 |
| A0029399 | 87-100 | 0.005 | 0.005 | 87 | 114 | 0.5 |





A0029394

Carbide Tipped Contact Points. Supplied Complete with Setting Ring Gauges

**Sets of Three Point Micrometers**

| System Code | Measuring Range | Reading | No. of Gauges per Set | Number of Setting Rings | Extension Rods |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029394 | 6-12 | 0.001 | 3 | 3 | 100 |
| TPM11-20 | 11-20 | 0.005 | 2 | 1 | 150 |
| TPM20-50 | 20-50 | 0.005 | 4 | 2 | 150 |

Pictures may vary from the actual product.



A0029339

Self-centering anvils. Carbide tipped contact points. Protection level IP54. RS232 data output. Supplied with setting rings.

**Electronic Three Point Micrometers**

| System Code | Measuring Range | Reading | | Accuracy | Setting Ring | Measuring Depth without Extension | Measuring Distance from Blind Hole |
|---|---|---|---|---|---|---|---|
| | mm | mm | inch | mm | mm | mm | mm |
| A0029339 | 3-4 | 0.001 | 0.0005 | 0.004 | 4 | 22.5 | 0.5 |
| A0029341 | 4-5 | 0.001 | 0.0005 | 0.004 | 5 | 22.5 | 0.5 |
| A0029343 | 5-6 | 0.001 | 0.0005 | 0.004 | 6 | 22.5 | 0.5 |
| A0029344 | 6-8 | 0.001 | 0.0005 | 0.004 | 6 | 54.5 | 1.5 |
| A0029345 | 8-10 | 0.001 | 0.0005 | 0.004 | 8 | 54.5 | 1.5 |
| A0029333 | 10-12 | 0.001 | 0.0005 | 0.004 | 10 | 54.5 | 1.5 |
| A0029334 | 12-16 | 0.001 | 0.0005 | 0.004 | 16 | 80 | 0.5 |
| A0029335 | 16-20 | 0.001 | 0.0005 | 0.004 | 16 | 80 | 0.5 |
| A0029336 | 20-25 | 0.001 | 0.0005 | 0.004 | 25 | 90 | 0.5 |
| A0029338 | 25-30 | 0.001 | 0.0005 | 0.004 | 25 | 90 | 0.5 |
| A0029340 | 30-40 | 0.001 | 0.0005 | 0.004 | 40 | 97 | 0.5 |
| A0029342 | 40-50 | 0.001 | 0.0005 | 0.005 | 40 | 97 | 0.5 |



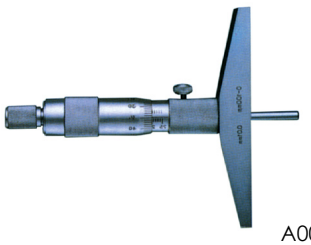
A0028148

**Telescopic Gauges**

| System Code | Measuring Range | No. of Pieces per Set |
|---|---|---|
| | mm | |
| A0028148 | 0-150 | 6 |

**Individual Measuring Range Ø /depth mm**

| A | B | C | D | E | F |
|---|---|---|---|---|---|
| 8-12.7/102 | 12.7-19/102 | 19-32/102 | 32-54/102 | 54-90/102 | 90-150/102 |



A0028384

**Depth Micrometers**

| System Code | Measuring Range | Reading | Accuracy | Length of Base |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028384 | 0-150 | 0.01 | ±0.005 | 63 |



A0029246

To DIN 861-1980. HRc ≥ 64.

**Slip Gauges**

| System Code | No. of pieces | Grade | Nominal Dimensions | Steps | No. of Blocks |
|---|---|---|---|---|---|
| | mm | mm inch | mm | mm | mm |
| A0029246 | 47 | 2 | 1.005<br>1.01-1.09<br>1.1-1.9<br>1-24<br>25-100 | -<br>0.01<br>0.1<br>1<br>25 | 1<br>9<br>9<br>24<br>4 |
| A0028949 | 76 | 2 | 1.005<br>1.01-1.49<br>0.5-9.5<br>10-50<br>75-100 | -<br>0.01<br>0.1<br>10<br>25 | 1<br>49<br>19<br>5<br>2 |
| A0029244 | 103 | 2 | 1.005<br>1.01-1.49<br>0.5-24.5<br>25-100 | -<br>0.01<br>0.5<br>25 | 1<br>49<br>49<br>1 |
| A0028948 | 112 | 2 | 1.0005<br>1.001-1.009<br>1.01-1.49<br>0.5-24.5<br>25-100 | -<br>0.001<br>0.01<br>0.05<br>25 | 1<br>9<br>49<br>49<br>4 |
| A0029245 | 112 | 0 | 1.0005<br>1.001-1.009<br>1.01-1.49<br>0.5-24.5<br>25-100 | -<br>0.001<br>0.01<br>0.05<br>25 | 1<br>9<br>49<br>49<br>4 |



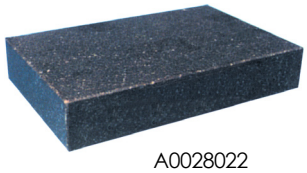
A0037766

Probes run on linear bearings and operate on the inductive principle. Set includes an electrical indicating instrument, pedal switch, SPC connecting cable, P1104, AC adaptor, software for data acquisition and an inductive probe.

**Surface Roughness Tester**

| System Code | No. of Pieces | Grade | Nominal Dimensions | Steps | No. of Blocks |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | |
| A0037766 | 0.1 | 2000 | RS232 | 8 | $0.2 + 3L^3$ |

 Pictures may vary from the actual product.



A0028022

**Granite Plates**

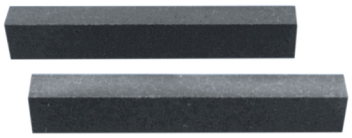
| System Code | Length | Width | Height | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028022 | 300 | 200 | 50 | 0 |
| A0028023 | 300 | 300 | 70 | 0 |
| A0028024 | 400 | 250 | 70 | 0 |
| A0028025 | 630 | 400 | 100 | 0 |
| A0028021 | 1000 | 630 | 150 | 0 |



A0028015

**Granite Squares**

| System Code | Length | Breadth | Width | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028015 | 100 | 63 | 16 | 0 |
| A0028016 | 160 | 100 | 20 | 0 |
| A0028017 | 250 | 160 | 25 | 0 |



A0001097

**Granite Parallels**

| System Code | Length | Height | Width | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0001097 | 160 | 25 | 16 | 0 |
| A0029085 | 250 | 40 | 25 | 0 |



A0028019

**Granite Straight Edges**

| System Code | Length | Height | Width | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028019 | 400 | 60 | 25 | 0 |
| A0028020 | 630 | 100 | 35 | 0 |
| A0028018 | 1000 | 160 | 50 | 0 |



A0020648

**Granite Dial Comparator Stands**

| System Code | Base Width | Base Length | Base Height | Column Ø | Column Length | Measuring Range |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm |
| A0020648 | 150 | 100 | 40 | 18 | 150 | 0-100 |



A0027993

**Steel Dial Comparator Stands**

| System Code | Base Width | Base Length | Base Height | Column Ø | Column Length | Measuring Range |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm |
| A0027993 | 140 | 85 | 40 | 25 | 220 | 0-100 |



A0028868

Used for affixing a dial test indicator to a pedestal drill or spindle

**Universal Indicator Holders**

| System Code | To Clamp on Quill Ø | Test Indicator Clamp |
|---|---|---|
| | mm | mm |
| A0028868 | ±48 | Dovetail |



A0028879



A0028880

**Centering Arms**

| System Code | Stem Ø | Bottom Arm | Top Arm |
|---|---|---|---|
| | mm | mm | mm |
| A0028879 | 8 | 56 | 51 |

**Mini Magnetic Base with Central Clamping**

| System Code | Magnetic Force | Clamp Ø | Base Width | Base Length | Height |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0028880 | 280N | 8.0 | 16 | 60 | 32 |



A0028866



A0028871

**Flexible Stem Magnetic Bases**

| System Code | Magnetic Force | Clamp Ø | Base Width | Base Length | Base Height |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0028866 | 588N | 8 | 54 | 70 | 50 |

**Magnetic Bases**

| System Code | Magnetic Force | Post | Arm | Attachment |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028871 | 800N | 14x20 | 12x190 | 6, 8, 3/4" Dovetail & Back Lug |



A0028875



A0028863

Without fine adjustment.

**Magnetic Bases with Central Clamping**

| System Code | Magnetic Force | Clamp Ø | Base Width | Base Length | Height |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0028875 | 800N | 8.0 | 50 | 60 | 55 |

**Magnetic Bases**

| System Code | Magnetic Force | Clam ø | Base Width | Stem Length | Arm | ø |
|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | ø | |
| A0028863 | 588N | 8.0 | 50 | 65 | 12 | 10 |

 Pictures may vary from the actual product.



A0028864

With fine adjustment.

**Magnetic Bases**

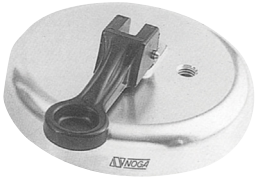
| System Code | Magnetic Force | Clamp Ø | Base Width | Base Length | Height |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0028864 | 588N | 8.0 | 50 | 65 | 54 |



A0028776

**Small Magnetic Stands**

| System Code | Base Ø | Base Height | Overall Height | Magnetic Force |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0028776 | 25 | 25 | 125 | 60N |



A0028873

**Vacuum Bases**

| System Code | Force (N) | Thread | Ø |
|---|---|---|---|
| | mm | mm | mm |
| A0028873 | 350 | M8 | 92 |



A0029686

**Pocket Rules**

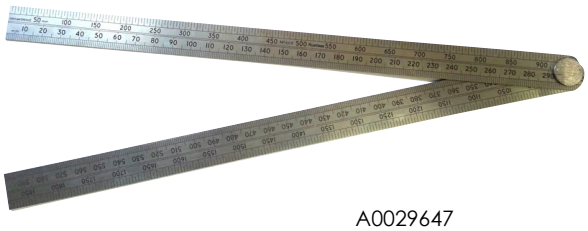
| System Code | Magnetic Force | Graduation | Width | Thickness |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029686 | 150 | 1 | 7 | 0.1 |



A0027826

**Stainless Steel Rules**

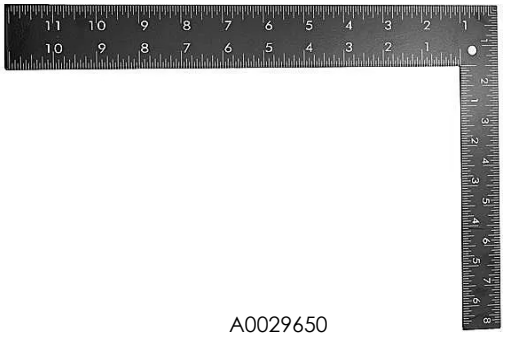
| System Code | Measuring Range | Graduation | Width | Thickness |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0027826<br>A0029665 | 100<br>150 | 0.5/1.0<br>0.5/1.0 | 16<br>20 | 0.5<br>0.7 |
| A0029648<br>A0029687 | 300<br>300 | 0.5/1.0<br>1.0/1/32 | 28<br>28 | 1.0<br>1.0 |
| A0029665<br>A0029649<br>A0027827 | 500<br>600<br>1000 | 1.0<br>1.0<br>1.0 | 26<br>28<br>30 | 1.0<br>1.0<br>1.0 |



A0029647

**Folding Steel Rules**

| System Code | Dimensions |
|---|---|
| | mm |
| A0029647 | 300 x 300 |



A0029650

**Steel Square Rules**

| System Code | Dimensions |
|---|---|
| | mm |
| A0029650 | 400 x 600 |

Pictures may vary from the actual product.



A0029663

DIN 874

**Knife Straight Edges**

| System Code | Length | Width | Grade |
|---|---|---|---|
| | mm | mm | mm |
| A0029663 | 75 | 5 | 0 |
| A0029660 | 100 | 5 | 0 |
| A0029661 | 150 | 6 | 0 |
| A0029662 | 200 | 6 | 0 |



A0029674

Ungraduated

**Bevelled Straight Edges**

| System Code | Length | Width | Thickness | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029674 | 1000 | 40 | 5 | 2 |
| A0029675 | 1500 | 40 | 5 | 2 |
| A0029676 | 2000 | 40 | 5 | 2 |



A0029666

Ungraduated

**Straight Edges**

| System Code | Length | Width | Thickness | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029666 | 500 | 30 | 6 | 2 |
| A0029683 | 750 | 40 | 8 | 2 |
| A0028018 | 1000 | 40 | 8 | 2 |
| A0029675 | 1500 | 50 | 10 | 2 |
| A0029676 | 2000 | 60 | 12 | 2 |
| A0029681 | 2500 | 60 | 12 | 2 |
| A0029682 | 3000 | 80 | 15 | 2 |
| SE4000 | 4000 | 100 | 16 | 2 |

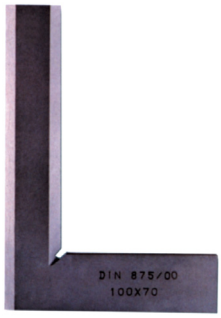


A0029684

Bevel edge

**Graduated Straight Edges**

| System Code | Length | Width | Thickness | Grade |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029684 | 1000 | 40 | 5 | 2 |
| A0029667 | 1500 | 40 | 5 | 2 |

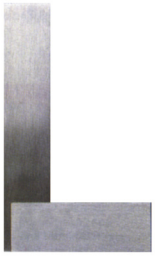



A0029658

DIN 875

**Precision Knife Edges Squares**

| System Code | Height | Base Length | Width | Grade |
|---|---|---|---|---|
| | mm | mm | mm | |
| A0029658 | 50 | 40 | 4 | 0 |
| A0029659 | 75 | 50 | 4 | 0 |
| A0029655 | 100 | 70 | 5 | 0 |
| A0029656 | 150 | 100 | 6 | 0 |
| A0029657 | 200 | 130 | 6 | 0 |



A0029645

Wide base

**Engineers Squares**

| System Code | Nominal Size | Overall Height | Base Length | Base Height | Base Width |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029645 | 50 | 72 | 52 | 19 | 13 |
| A0029646 | 75 | 100 | 63 | 19 | 13 |
| A0029640 | 100 | 125 | 75 | 19 | 13 |
| A0029643 | 150 | 180 | 100 | 25 | 16 |
| A0029644 | 200 | 145 | 125 | 32 | 16 |
| A0029641 | 250 | 300 | 150 | 36 | 16 |
| A0029642 | 300 | 350 | 200 | 36 | 18 |



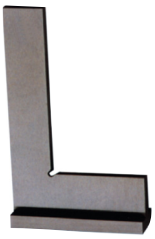
A0029654

Wide base. Dimension to DIN 875. Tolerances Grade 1.

**Precision Engineer Squares**

| System Code | Height | Base Length | Base Height | Base Width | Grade DIN |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm |
| A0029654 | 75 | 50 | 15 | 8 | 1 |
| A0029651 | 100 | 70 | 20 | 12 | 1 |
| A0029652 | 150 | 100 | 25 | 15 | 1 |
| A0029653 | 200 | 130 | 28 | 18 | 1 |

 Pictures may vary from the actual product.

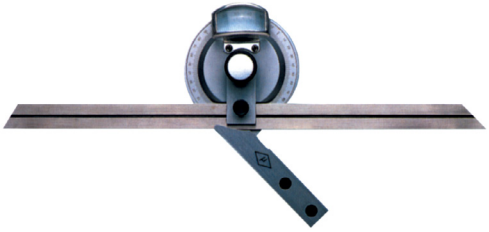


A0029637

Din 875 Stainless Steel

**Flat Base Precision Squares**

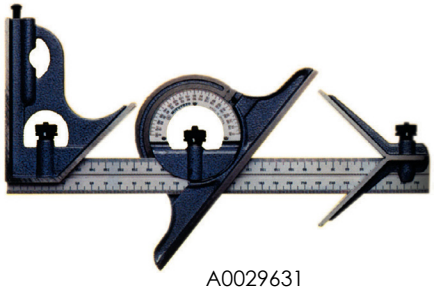
| System Code | Height | Base Length | Grade | Section |
|---|---|---|---|---|
| | mm | mm | | |
| A0029637 | 50 | 40 | 0 | 12x5 |
| A0029639 | 75 | 50 | 0 | 15x5 |
| A0029632 | 100 | 70 | 0 | 20x5 |
| A0029633 | 150 | 100 | 0 | 25x5 |
| A0029634 | 200 | 130 | 0 | 30x6 |
| A0029677 | 250 | 160 | 0 | 35x7 |
| A0029635 | 300 | 200 | 0 | 40x8 |
| A0029636 | 400 | 265 | 0 | 45x10 |
| A0029638 | 500 | 330 | 0 | 50x10 |



A0001664

**Bevel Protractors**

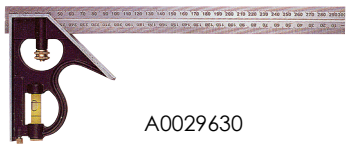
| System Code | Reading Arc Minute | Accuracy | Division | Length of Ruler |
|---|---|---|---|---|
| | | | | mm |
| A0001664 | 5 | ±5' | 4x90° | 300 |



A0029631

**Combination Sets**

| System Code | Protractor Reading | Accuracy | Range | Length of Ruler |
|---|---|---|---|---|
| | | | | mm |
| A0029631 | 1° | ±15' | 0-180° | 300 |



A0029630

**Combination Squares**

| System Code | Dimensions |
|---|---|
| A0029630 | 300 |



A0034106

**Sliding Bevel**

| System Code | Size | Handle |
|---|---|---|
| | mm | |
| A0034106 | 250 | Wood |
| A0028942 | 300 | Aluminium |



A0028959

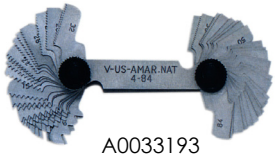
**Feeler Gauges**

| System Code | No. of Leafs | Leaf Length | Sizes |
|---|---|---|---|
| | | | mm |
| A0028959 | 14 | 100 | 0.05 0.06 0.07 0.08 0.09 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.75 1.00 |
| A0028938 | 17 | 100 | 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 |
| A0028939 | 20 | 100 | 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 |
| A0029257 | 26 | 100 | 0.03 0.04 0.05 0.06 0.08 0.09 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 |

Pictures may vary from the actual product.

## Feeler Gauges - Imperial

| System Code | No. of Leafs | Leaf Length | Sizes (Inches) | | |
|---|---|---|---|---|---|
| A0033193 | 15 | 90 | 0.002<br>0.005<br>0.011<br>0.014<br>0.020 | 0.003<br>0.006<br>0.012<br>0.016<br>0.022 | 0.004<br>0.008<br>0.013<br>0.018<br>0.025 |
| A0028960 | 26 | 90 | 0.0015<br>0.003<br>0.064<br>0.009<br>0.012<br>0.015<br>0.018<br>0.021<br>0.024 | 0.002<br>0.004<br>0.007<br>0.010<br>0.013<br>0.016<br>0.019<br>0.022<br>0.025 | 0.0025<br>0.005<br>0.008<br>0.011<br>0.014<br>0.0017<br>0.020<br>0.023 |




A0033193

## Thread Pitch Gauges

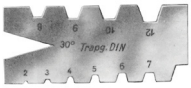
| System Code | Thread Form | Angle | Pitch Range | No. of Blocks |
|---|---|---|---|---|
| A0024249<br>A0029250<br>A0029251 | Metric<br>Unified<br>Whitworth | 60˚<br>60˚<br>55˚ | 0.4-6.0 mm<br>40-13 TPI<br>48-4 TPI | 20<br>10<br>22 |
| A0029249 | Metric/<br>Whitworth | 60˚<br>55˚ | 0.25-6.0 mm<br>62-4 TPI | 52<br>52 |



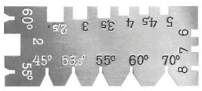
A0028946

## Screw Cutting Gauges

| System Code | Thread | Angle |
|---|---|---|
| A0028946<br>A0028943 | Metric<br>Withworth | 55˚<br>60˚ |




A0000671




A0028944



A0028947

Trapezoidal and Acme

## Screw Cutting Gauges

| System Code | Thread | Angle | Pitch Range (mm) |
|---|---|---|---|
| A0000671<br>A0028947<br>A0028944 | Trapezodial<br>Square/Trapezodial<br>Acme | 30˚<br>55˚, 60˚, 30˚<br>29˚ | 2-12<br>2-12<br>1-10 |



A0028941

## Radius Gauges

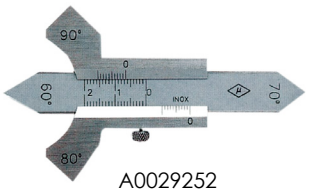
| System Code | Measuring Range | Increments | No. of Leafs | Length of Leafs |
|---|---|---|---|---|
| | | mm | mm | mm |
| A0028941<br>A0029241<br>A0029240 | 1-7<br>7.5-15<br>15-25 | 0.5<br>0.5<br>0.5 | 34<br>32<br>31 | 35<br>40<br>40 |



A0029239

## Radius Gauge Sets

| System Code | Range | No. of Gauges | No. of Convex + Concave Measuring Faces/Gauge |
|---|---|---|---|
| A0029239 | 0.5-13 | 26 | 5 |




A0029252

## Weld Seam Gauges

| System Code | Measuring Range | Reading | Angles |
|---|---|---|---|
| | mm | mm | |
| A0029252 | 0-20 | 0.01 | 60˚, 70˚, 80˚, 90˚ |



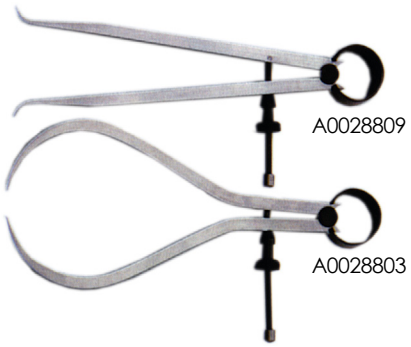
A0028805

## Firm Joint Calipers - Outside

| System Code | Length (mm) |
|---|---|
| A0028805 | 100 |
| A0028851 | 150 |
| A0028806 | 200 |

## Firm Joint Calipers - Inside

| System Code | Length (mm) |
|---|---|
| A0028796 | 100 |
| A0028849 | 150 |
| A0028798 | 200 |



A0028809

A0028803

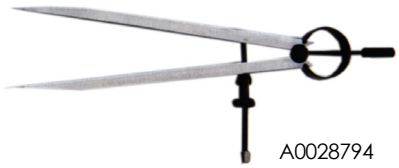
## Spring Joint Calipers - Outside

| System Code | Length (mm) |
|---|---|
| A0028809 | 75 |
| A0028788 | 100 |
| A0028807 | 150 |
| A0028789 | 200 |
| A0028790 | 250 |
| A0028808 | 300 |

## Spring Joint Calipers - Inside

| System Code | Length (mm) |
|---|---|
| A0028803 | 75 |
| A0028799 | 100 |
| A0028800 | 150 |
| A0028801 | 200 |
| A0028802 | 250 |
| A0028850 | 300 |

 Pictures may vary from the actual product.



A0028794

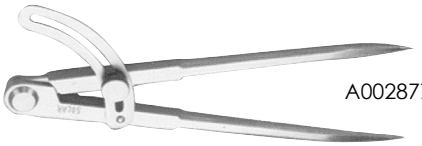
| Spring Joint Dividers | |
|---|---|
| System Code | Length |
| | mm |
| A0028794 | 75 |
| A0028786 | 100 |
| A0028783 | 150 |

| Spring Joint Dividers | |
|---|---|
| System Code | Length |
| | mm |
| D200 | 200 |
| D250 | 250 |
| D300 | 300 |

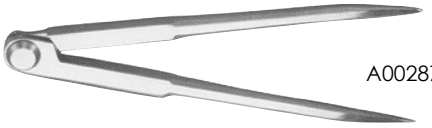


A0028804

| Jenny Calipers | |
|---|---|
| System Code | Length |
| | mm |
| A0028804 | 150 |

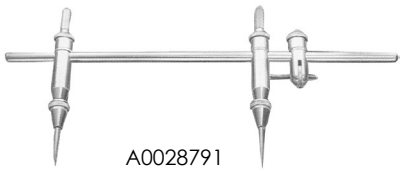


A0028777



A0028772

| Compasses | | |
|---|---|---|
| System Code | Description | Scribe Circle Diameter |
| | mm | mm |
| A0028772 | Plain Heavy-Duty Compass | 150 |
| A0028773 | Plain Heavy-Duty Compass | 200 |
| A0028774 | Plain Heavy-Duty Compass | 250 |
| A0028775 | Plain Heavy-Duty Compass | 300 |
| A0028777 | Heavy-Duty Compass with Wing | 150 |
| A0028778 | Heavy-Duty Compass with Wing | 200 |
| A0028779 | Heavy-Duty Compass with Wing | 250 |
| A0027992 | Heavy-Duty Compass with Wing | 300 |



A0028791

| Steel Beam Trammels | | |
|---|---|---|
| System Code | Size of Beam | Scribe Circle Diameter |
| | mm | mm |
| A0028791 | 365 | 650 |



A0028781

| Toolmaker Surface Gauges | | | | |
|---|---|---|---|---|
| System Code | Length of Spindle | Length | Base Width | Height |
| | | | mm | mm |
| A0028781 | 100 & 175 | 55 | 40 | 20 |
| A0028782 | 225 & 300 | 82 | 63 | 25 |



A0028780

| Double End Scribers | | |
|---|---|---|
| System Code | Description | Length |
| | mm | mm |
| A0028780 | Hardened steel points | 250 |



A0028940

| Plastic Handle Double End Scribers | | |
|---|---|---|
| System Code | Description | Length |
| | mm | mm |
| A0028940 | Hardened steel points with plastic handle | 250 |



A0005734

| Pocket Scriber | | |
|---|---|---|
| System Code | Description | Length |
| | mm | mm |
| A0005734 | Carbide tip pocket scriber | 160 |



A0029277

Measuring faces hardened, ground and scraped. Body enameled with a flat base and cross prisms.

| Precision Block Spirit Levels | | | | |
|---|---|---|---|---|
| System Code | Length | Width | Height | Accuracy |
| | mm | mm | mm | mm |
| A0029277 | 100 | 40 | 32 | 0.2 mm/1000 mm |
| A0029226 | 150 | 40 | 32 | 0.2 mm/1000 mm |



A0029273

Measurinfg faces hardened, ground and scraped. Body enameled. With flat and prismic base.

**Precision Horizontal Spirit Levels**

| System Code | Length | Width | Height | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029273 | 150 | 42 | 40 | 0.05 / 1000 |
| A0029267 | 200 | 42 | 40 | 0.05 / 1000 |
| A0029274 | 250 | 42 | 40 | 0.05 / 1000 |
| A0029275 | 300 | 42 | 40 | 0.05 / 1000 |



A0029266

Measurinfg surfaces hardened, ground and scraped. Body enameled. With insulating handle. Two surfaces flat and two surfaces prismic.

**Precision Frame Spirit Levels**

| System Code | Length | Width | Height | Accuracy |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| A0029266 | 150 | 40 | 150 | 0.02 / 1000 |
| A0029270 | 200 | 42 | 200 | 0.02 / 1000 |
| A0029271 | 250 | 42 | 250 | 0.02 / 1000 |
| A0029272 | 300 | 42 | 300 | 0.02 / 1000 |



A0029751

Conform to ISO 3804-1966 and 135891-1962 parts I and II for Rockwell hardness testing

**Rockwell Hardness Tester**

| System Code | Test Range Rockwell | Penetrators for A+C Scale | Penetrators for Other Scale | Max. Test Height | Throat |
|---|---|---|---|---|---|
| | | | | mm | mm |
| A0029751 | A to K | 120° diamond | 1/16" steel ball | 150 | 130 |



A0023115

For measuring hardness on a variety of materials. With RS232 port for down loading data to PC or printer.

**Portable Hardness Tester**

| System Code | HB | Measuring Range-Steel | | HV | Accuracy Mean Uncertainty |
|---|---|---|---|---|---|
| | | | | | mm |
| A0023115 | 80-850 | 20-68 | 39-99 | 80-977 | 0.8% |



A0027997

Measuring range varies slightly dependant on material tested.

**Digital Shore Durometers**

| System Code | Range | Resolution | Contact Point ø |
|---|---|---|---|
| A0027997 | 0-100HA | 0.5HA | 0.79 |
| A0027999 | 0-100HD | 0.5HD | SR0.1 |
| A0027998 | 0-1100HC | 0.5HC | SR2.5 |

**Shore A Durometer:** It is designed for testing the hardness of soft rubber, printer rollers and other elastomer materials.

**Shore D Durometer:** It is designed for testing the hardness of hard rubber, such as thermoplastics, plastic floor etc.

**Shore C Durometer:** It is designed for measuring foam, sponge.



Knob twist reset

A0028943

**Stroke Counters**

| System Code | No. of Digits | Overall Height | Shaft Height | Overall Length | Max. Counting Speed |
|---|---|---|---|---|---|
| | | mm | mm | mm | c/min. |
| A0028943 | 5 | 32 | 18.8 | 79.8 | 500 |



G0007964

**Length Counter**

| System Code | No. of Digits | Figure Size | Reading Meter | Reading Meter | Max. Speed per Minute |
|---|---|---|---|---|---|
| | | mm | Min. | Max. | c/min. |
| G0007964 | 5 | 3.8x6.5 | 0.1 | 9999.9 | 200 |



Pictures may vary from the actual product.



A0028031

| Hand Tally Counters | | | |
|---|---|---|---|
| System Code | No. of Digits | Base | Max. Display |
| A0028031 | 4 | Without | 9999 |



A002835

| Mechanical Rev Counters | | | | |
|---|---|---|---|---|
| System Code | Figure Size | No. of Digits | RPM | Rotation Torque |
| | | | | g/cm |
| A002835 | 3x4.4 | 5 | 300 | 80 |



A0027439

| Digital Tachometers | | | |
|---|---|---|---|
| System Code | Surface Speed | Rotation | Accuracy |
| | | RPM | |
| A0027439 | 0.1-1999.9m/min | 1-99999 | ±0.05% of reading + 1 digit |



A0027946

Used for determining the concentration of oil in water emulsions.

| Portable Refractometer | | | |
|---|---|---|---|
| System Code | Measuring Range | Min. Scale | Accuracy |
| A0027946 | Brix 0-15% | 0.2% | 0.2% |

## Measuring Tape

| Stock Code | System Code | Blade | Type | Case | W | L | Uom | Brand |
|---|---|---|---|---|---|---|---|---|
| MS1035 | A0010476 | Rope | Diameter | - | - | 2 m | EA | Haggie |
| MX0400 | A0011077 | Steel | Engineers | Rubber | 16 mm | 3 m | EA | Maxpower |
| SN0640 | A0014069 | Tylon Coated Steel | Pocket | Rubber | 13 mm | 3 m | EA | Stanley |
| MS2250 | A0002093 | Steel | Pocket | Rubber | 16 mm | 3 m | EA | Octo |
| SN0615 | A0014065 | Steel | Powerlock | Chrome Plated | 13 mm | 3 m | EA | Stanley |
| RB0095 | A0011927 | - | Diameter | - | 13 mm | 3.5 m | EA | Ross |
| MX0407 | A0011079 | Steel | Engineers | Rubber | 25 mm | 5 m | EA | Maxpower |
| SN0635 | A0016373 | Steel | Handyman | Abs Plastic | 19 mm | 5 m | EA | Stanley |
| MX0405 | A0011078 | Steel | Pocket | Chrome Plated | 19 mm | 5 m | EA | Maxpower |
| SN0641 | A0014070 | Tylon Coated Steel | Pocket | Rubber | 19 mm | 5 m | EA | Stanley |
| SN0645 | A0014072 | Steel | Pocket | Chrome Plated | 32 mm | 5 m | EA | Stanley |
| SN0616 | A0014066 | Steel | Powerlock | Chrome Plated | 19 mm | 5 m | EA | Stanley |
| MX0408 | A0011080 | Steel | Engineers | Rubber | 25 mm | 8 m | EA | Maxpower |
| SN0646 | A0014073 | Steel | Fatmax XI | Chrome Plated | 32 mm | 8 m | EA | Stanley |
| SN0642 | A0014071 | Tylon Coated Steel | Pocket | Rubber | 25 mm | 8 m | EA | Stanley |
| SN0617 | A0014067 | Steel | Powerlock | Chrome Plated | 25 mm | 8 m | EA | Stanley |
| SN0600 | A0014058 | Woven Fibre Glass | Closed Frame | Abs Plastic | 12.7 mm | 10m | EA | Stanley |
| MX0410 | A0011081 | Steel | Engineers | Rubber | 13 mm | 10 m | EA | Maxpower |
| SN0647 | A0016116 | Steel | Fatmax XI | Chrome Plated | 32 mm | 10 m | EA | Stanley |
| SN0618 | A0014068 | Steel | Powerlock | Chrome Plated | 25 mm | 10 m | EA | Stanley |
| WB0030 | A0015193 | Nylon Coated Steel | Surveyor | Abs Plastic | - | 10 m | EA | Webco |
| WB0011 | A0015190 | Steel | Engineers | Abs Plastic | 10 mm | 15 m | EA | - |
| WB0050 | A0015195 | Woven Fibreglass | Mining | Abs Plastic | - | 15 m | EA | Webco |
| SN0601 | A0014059 | Woven Fibreglass | Closed Frame | Abs Plastic | 12.7 mm | 20 m | EA | Stanley |
| SN0604 | A0014062 | Steel | Closed Frame | Abs Plastic | 9.5 mm | 20 m | EA | Stanley |
| WB0012 | A0015191 | Steel | Engineers | Abs Plastic | 10 mm | 20 m | EA | - |
| MX0415 | A0011082 | Steel | Engineers | Rubber | 13 mm | 20 m | EA | Maxpower |
| WB0068 | A0015199 | Woven Fibreglass | Engineers | Abs Plastic | 13 mm | 20 m | EA | - |
| SN0602 | A0014060 | Woven Fibreglass | Closed Frame | Abs Plastic | 12.7 mm | 30 m | EA | Stanley |
| SN0605 | A0014063 | Steel | Closed Frame | Abs Plastic | 9.5 mm | 30 m | EA | Stanley |
| MS1036 | A0010477 | Woven Fibreglass | Dipping | Abs Plastic | 13 mm | 30 m | EA | Freeman |
| WB0013 | A0015192 | Steel | Engineers | Abs Plastic | 10 mm | 30 m | EA | - |
| MX0420 | A0011083 | Steel | Engineers | Rubber | 13 mm | 30 m | EA | Maxpower |
| WB0100 | A0038131 | Spring Steel | Fish Tape | Abs Plastic | 3 mm | 30 m | EA | - |
| SN0606 | A0014064 | Woven Fibreglass | Mining | Open Frame | 12.7 mm | 30 m | EA | Stanley |
| WB0055 | A0015196 | Woven Fibreglass | Mining | Abs Plastic | - | 30 m | EA | Webco |
| SN0603 | A0014061 | Woven Fibreglass | Closed Frame | Abs Plastic | 12.7 mm | 50 m | EA | Stanley |
| WB0114 | A0015205 | Steel | Engineers | Open Frame | 13 mm | 50 m | EA | Webco |
| WB0060 | A0015197 | Woven Fibreglass | Mining | Abs Plastic | - | 60 m | EA | Webco |
| WB0110 | A0015204 | Nylon Coated Steel | Surveyor | Open Frame | - | 60 m | EA | - |
| WB0115 | A0015206 | Steel | Engineers | Open Frame | - | 100 m | EA | - |


A0014069


A0014070


A0014071


A0011077


A0011079


A0011080


WB0000


A0014072


A0014073


A0016116


A0014065


A0014066


A0014067


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