



# Promotions.

B Y L I N E A R T O O L S



**New Product  
Noga Inner -  
Outer Reamer  
Page 19**

**New Year  
New Savings**

All offers valid until  
**March 31st 2018**

**Electronic Micrometer IP54 Splash Proof DIN 863** 



SAVE 33%

DIN 863

- Ingress protection rating: IP54 Dust & Splash proof
- Metric/Inch Conversion
- Resolution: Metric: 0.001mm, Inch: 0.00005"
- Accuracy: ±0.004mm
- Repeatability: 0.001mm
- Spindle diameter 6.5mm
- Marked with serial number
- Power: 1 x LR44 - 1.5v Battery
- **1 year warranty**

CLICK FOR PDF 1010

Order Code <b>50-700-001</b>	Description/Size 0-25mm/0-1"
List Price £119.90	<b>Offer Price £79.95</b>

**Electronic Micrometer IP40 DIN 863** 



SAVE 33%

DIN 863

- Ingress protection rating: IP40
- Metric/Inch Conversion
- Resolution: Metric: 0.001mm, Inch: 0.00005"
- Accuracy: ±0.004mm
- Repeatability: 0.001mm
- Spindle diameter 6.5mm
- Marked with serial number
- Power: 1 x LR44 - 1.5v Battery
- **1 year warranty**

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Order Code <b>50-715-025</b>	Description/Size 0-25mm/0-1"
List Price £87.90	<b>Offer Price £58.90</b>

**Electronic Micrometer DIN 863** 



SAVE 30%

DIN 863

- Resolution: Metric: 0.001mm, Inch: 0.00005"
- Accuracy: ±0.004mm
- Repeatability: 0.001mm
- Spindle diameter 6.5mm
- Supplied with Ball Anvil accessory
- Marked with serial number
- Power: 1 x LR44 - 1.5v Battery
- **1 year warranty**

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Order Code <b>50-730-001</b>	Description/Size 0-25mm/0-1"
List Price £79.90	<b>Offer Price £55.90</b>

**Electronic Digital Measuring Set** 



SAVE 40%

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- 2 piece kit consisting of:
- 1 x 150mm/6" electronic digital caliper
- 1 x 0-25mm electronic splash proof micrometer
- Both instruments 0.01mm/0.0005" resolution
- Kit supplied with 2 spare LR44 batteries
- Housed in a specially fitted deluxe case

Order Code <b>50-700-150</b>	Description/Size Digital Measuring Set
List Price £169.90	<b>Offer Price £101.90</b>

**Electronic Digital Measuring Set** 



SAVE 40%

CLICK FOR PDF 1368

- 2 piece kit consisting of:
- 1 x 49-923-150 150mm/6" electronic digital caliper
- 1 x 50-715-025 0-25mm/0-1" electronic micrometer
- Both instruments 0.01mm/0.0005" resolution
- Kit supplied with 2 spare LR44 batteries
- Housed in a specially fitted deluxe case

Order Code <b>50-715-150</b>	Description/Size Digital Measuring Set
List Price £139.90	<b>Offer Price £83.90</b>

**Electronic Digital Measuring Set** 



SAVE 40%

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- 4 piece measuring kit contains::
- 1 x 150mm/6" Electronic Digital Caliper
- 1 x 50-730-001 0-25mm/0-1" Electronic Micrometer
- 1 x SS678-006F Stainless Steel Rule 150mm/6"
- 1 x Eye Loupe 4x mag with LED Illumination
- Kit supplied with 2 spare LR44 batteries

Order Code <b>50-730-150</b>	Description/Size Digital Measuring Set
List Price £149.90	<b>Offer Price £89.90</b>

**Electronic Interchangeable Anvil Micrometer IP54 Splash Proof DIN 863** 



SAVE 30%

DIN 863

- Ingress protection rating: IP54 Dust & Splash proof
- Supplied with 6 Interchangeable anvils and 5 setting rods
- Resolution: Metric: 0.001mm, Inch: 0.00005"
- Accuracy: ±0.003mm
- Repeatability: 0.001mm
- Spindle diameter 6.5mm
- Power: 1 x LR44 - 1.5v Battery
- **1 year warranty**

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Order Code <b>50-450-150</b>	Description/Size 0-150mm/0-6"
List Price £348.00	<b>Offer Price £243.00</b>

**Electronic Digital Micrometers DIN 863** 



SAVE 32%

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- Clear LCD display
- Inch / Metric conversion
- Tolerance, relative & absolute modes
- Resolution: .001mm & .0005"
- Satin chrome frame & thimble
- Diameter of spindle 6.5mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code	Description/Size	List Price	Offer Price
<b>50-800-001</b>	0-25mm/0-1"	£158.00	<b>£107.40</b>
<b>50-800-002</b>	25-50mm/1-2"	£186.00	<b>£126.50</b>
<b>50-800-003</b>	50-75mm/2-3"	£203.00	<b>£138.00</b>
<b>50-800-004</b>	75-100mm/3-4"	£220.00	<b>£149.60</b>

**Electronic Digital Micrometers DIN 863** 



SAVE 32%

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- Dual reading: Inch/metric
- Ratchet style thimble
- Barrel marked 0-25/0.01mm
- Resolution: 0.001mm/0.0001"
- Inch/Metric conversion
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code	Description/Size	List Price	Offer Price
<b>50-900-001</b>	0-25mm/0-1"	£139.90	<b>£95.10</b>
<b>50-900-002</b>	25-50mm/1-2"	£175.80	<b>£119.50</b>
<b>50-900-003</b>	50-75mm/2-3"	£217.00	<b>£147.60</b>
<b>50-900-004</b>	75-100mm/3-4"	£264.00	<b>£179.50</b>

### Electronic Point Micrometers



SAVE 32%

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- Fitted with 30° tungsten carbide measuring tip
- Tolerance, relative & absolute modes
- Resolution: .001mm & .0005"
- Diameter of spindle 6.5mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code <b>50-810-001</b>	Description/Size 0-25mm/0-1"
List Price £212.00	<b>Offer Price £144.20</b>
Order Code <b>50-810-002</b>	Description/Size 25-50mm/1-2"
List Price £228.00	<b>Offer Price £155.00</b>

### Electronic Disc Micrometers DIN 863



SAVE 32%

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- Fitted with 20mm diameter non rotating hardened steel discs
- Tolerance, relative & absolute modes
- Resolution: .001mm & .0005"
- Diameter of spindle 6.5mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code <b>50-820-001</b>	Description/Size 0-25mm/0-1"
List Price £229.00	<b>Offer Price £155.70</b>
Order Code <b>50-820-002</b>	Description/Size 25-50mm/1-2"
List Price £251.00	<b>Offer Price £170.70</b>

### Electronic Spline Micrometers DIN 863



SAVE 32%

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- Spline Anvils: 2mm dia x 5mm
- Resolution: .001mm & .0005"
- Satin chrome frame & thimble
- Diameter of spindle 6.5mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code <b>50-830-001</b>	Description/Size 0-25mm/0-1"
List Price £194.60	<b>Offer Price £132.40</b>
Order Code <b>50-830-002</b>	Description/Size 25-50mm/1-2"
List Price £211.40	<b>Offer Price £148.00</b>

### Electronic Blade Micrometers



SAVE 30%

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- Blade Anvils: 0.75mm wide x 6mm high x 7mm long
- Clear LCD display
- Inch / Metric conversion
- Tolerance, relative & absolute modes
- Resolution: .001mm & .0005"
- Satin chrome frame & thimble
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code	Description/Size	List Price	Offer Price
<b>50-840-001</b>	0-25mm/0-1"	£227.00	<b>£158.90</b>
<b>50-840-002</b>	25-50mm/1-2"	£244.00	<b>£170.80</b>
<b>50-840-003</b>	50-75mm/2-3"	£262.00	<b>£183.40</b>

### Electronic Universal Multi-Anvil Micrometers



SAVE 30%

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- Clear LCD display
- Inch / Metric conversion
- Tolerance, relative & absolute modes
- Resolution: .001mm & .0005"
- Satin chrome frame & thimble
- Includes the following pairs of measuring anvils: Flat, Spherical, Blade, Spline, Disc, Conical Point, & Knife
- Power: 1 x LR44 - 1.5v Battery

Order Code	Description/Size	List Price	Offer Price
<b>50-860-001</b>	0-25mm/0-1"	£338.00	<b>£236.60</b>
<b>50-860-002</b>	25-50mm/1-2"	£352.00	<b>£246.40</b>
<b>50-860-003</b>	50-75mm/2-3"	£359.00	<b>£251.30</b>

### Electronic Pocket Thickness Gauge



SAVE 35%

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- Light weight electronic pocket thickness gauge
- Supplied complete in fitted case with instructions & spare battery
- Anvil Dia: 9mm
- Range: 0-15mm/0-0.6"
- Resolution: 0.01mm/0.0005"
- Accuracy: 0.03mm/0.001"
- Power Supply: 1 x LR44 Battery

Order Code <b>55-399-000</b>	Description/Size Pocket Gauge
List Price £139.80	<b>Offer Price £90.90</b>

### Electronic Inside Micrometers DIN 863



SAVE 30%

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- Large easy to read LCD display
- Absolute & Relative measuring modes
- Resolution: 0.001mm/0.00005"
- Accuracy: 0.007mm
- Repeatability: 0.001mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code <b>50-885-001</b>	Description/Size 5-30mm
List Price £204.00	<b>Offer Price £142.80</b>
Order Code <b>50-885-002</b>	Description/Size 25-50mm
List Price £215.00	<b>Offer Price £150.50</b>

### Electronic IP54 Splash Proof Depth Micrometer DIN 863



DIN 863

SAVE 32%

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- IP54 Splash Proof Micrometer
- Range: 0-150mm/0-6"
- Base size: 100mm wide
- Complete with 6 flat end depth rods
- Diameter of rods 4.5mm
- Resolution: .001mm & .0005"
- Accuracy: 0-50mm: +/- .002mm / 50-100mm: +/- .003mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

Order Code <b>50-890-006</b>	Description/Size 0-150mm/0-6"
List Price £232.00	<b>Offer Price £157.80</b>

### Digital Thickness Gauge



SAVE 30%

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- Lightweight digital thickness gauge
- Clear LCD display
- Manufactured from extra strong carbon fibre composites
- Complete with spindle retraction lever
- Range: 0 - 12mm/0 - 0.5"
- Resolution: 0.01mm / 0.0005"
- Accuracy: +/- 0.1mm 0.004"
- Power: 1 x LR44 - 1.5v Battery

Order Code <b>49-850-012</b>	Description/Size Thickness Gauge
List Price £17.60	<b>Offer Price £12.30</b>



Digital Calipers

Electronic Digital Calipers DIN 862



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PDF  
1021

SAVE UP TO  
47%

- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Hardened stainless steel frame & measuring jaws
- Power: 1 x LR44 - 1.5v Battery
- Serialised with 1 year warranty

Order Code <b>49-923-150</b>	Description 150mm/6"	Order Code <b>49-923-200</b>	Description 200mm/8"	Order Code <b>49-923-300</b>	Description 300mm/12"
List Price £49.90	<b>Offer Price £26.40</b>	List Price £75.40	<b>Offer Price £39.90</b>	List Price £147.80	<b>Offer Price £78.30</b>

Three Function Electronic Digital Caliper DIN 862



SAVE  
40%

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1241

- Three Function Electronic Caliper: Metric, Inch & Fractional
- Hardened stainless steel frame and measuring jaws
- Resolution: Metric 0.01mm, Inch 0.0005", Fractional 1/64"
- Repeatability: 0.01mm
- Power: 1 x Alkaline button cell LR44 - 1.5v
- One year warranty

DIN  
862

Order Code <b>49-900-152</b>	Description/Size 0-150mm/0-6"
List Price £49.80	<b>Offer Price £29.80</b>

Digital Caliper Promotion

Large Capacity Electronic Digital Calipers DIN 862

- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Accuracy: 49-900-600: ±0.02mm + [0.0005 x L]  
49-900-999: ±0.02mm + [0.0005 x L]  
(L = length from origin to given position)
- Hardened stainless steel frame & measuring jaws
- Power: 1 x CR 3032 - 3v Battery
- Serialised with 1 year warranty



SAVE  
25%

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1022

Order Code <b>49-900-600N</b>	Description 600mm/24"	Order Code <b>49-900-999N</b>	Description 1000mm/40"
List Price £332.00	<b>Offer Price £249.00</b>	List Price £719.00	<b>Offer Price £539.00</b>

Electronic Digital Gear Tooth Caliper DIN 862



SAVE  
22%

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1093

- 1-30 gear module
- Digit size: 5mm
- Mode, hold, abs & tol function buttons
- Power: 1 x LR44 - 1.5v Battery
- Measuring Range (w) 45mm
- Measuring Range (h) 28mm
- Serial identification number
- One year warranty

DIN  
862

Order Code <b>49-400-126</b>	Description/Size Gear Tooth Caliper
List Price £238.00	<b>Offer Price £167.00</b>

Electronic Digital Caliper With Pointed Jaws DIN 862



SAVE  
30%

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1242

- Pointed Jaw Electronic Caliper
- Hardened stainless steel frame and measuring jaws
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Digit size: 7.5mm
- Power: 1 x Alkaline button cell LR44 - 1.5v
- Marked with serial number
- One year warranty

DIN  
862

Order Code <b>49-150-141</b>	Description/Size 0-150mm/0-6"
List Price £78.00	<b>Offer Price £54.60</b>

Electronic Digital Tube Caliper DIN 862



SAVE  
30%

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1243

- For measuring Tube Wall thickness
- Hardened stainless steel frame and measuring jaws
- Pin diameter: 4.0mm
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Power: 1 x Alkaline button cell LR44 - 1.5v
- Marked with serial number
- One year warranty

DIN  
862

Order Code <b>49-150-171</b>	Description/Size Tube Caliper
List Price £122.00	<b>Offer Price £85.40</b>

IP 67 Water Proof Electronic Digital Caliper DIN 862



SAVE  
30%

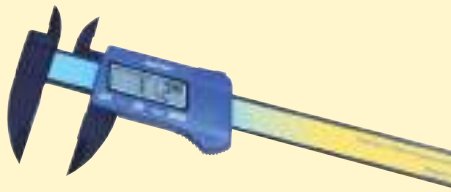
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1218

- Waterproof Electronic Caliper IP 67
- Hardened stainless steel frame and measuring jaws
- Knurled locking screw
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Power: 1 x Alkaline button cell LR44 - 1.5v
- Marked with serial number
- One year warranty

DIN  
862

Order Code <b>49-165-150</b>	Description/Size 0-150mm
List Price £168.00	<b>Offer Price £117.60</b>

### Electronic Digital Carbon Fibre Composite Caliper



- Carbon Fibre Composite Body
- Range: 0-150mm/0-6"
- Digit size: 8.3mm
- Resolution: 0.1mm/0.01"
- Repeatability: 0.1mm/0.01"
- Accuracy: ±0.2mm
- Inch/metric conversion
- Power: 1 x LR44 - 1.5v Battery

SAVE 37%

Order Code <b>48-500-150</b>	Description/Size 0-150mm/0-6"
List Price £16.80	<b>Offer Price £10.60</b>

### Electronic Plastic Caliper Metric / Inch / Fractional



- Plastic Caliper Frame and Measuring Jaws
- Range: 150mm / 6"
- Resolution: 0.01mm / 0.0005" / 1/64"
- Accuracy: ±0.2mm / 0.008" / 1/64"
- Metric / Inch / Fraction: Conversion Button
- Depth Gauge:  
(Plastic Maximum Section 3.65mm x 1.40mm)
- Power: 1 x 3V Lithium Battery CR2032

SAVE 33%

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Order Code <b>48-600-151</b>	Description/Size 0-150mm/0-6"
List Price £19.60	<b>Offer Price £13.10</b>

### Electronic Plastic Caliper



- Plastic Caliper Frame and Measuring Jaws
- Range: 150mm / 6"
- Resolution: 0.01mm / 0.001"
- Accuracy: ±0.2mm / 0.008"
- Metric / Inch : Conversion Button
- Depth Gauge:  
(Plastic Maximum Section 3.65mm x 1.40mm)
- Power: 1 x Lithium Battery CR 2032 – 3V

SAVE 33%

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Order Code <b>48-700-152</b>	Description/Size 0-150mm/0-6"
List Price £24.60	<b>Offer Price £16.50</b>

### ROHS Compliant Electronic Digital Caliper



- Fully compliant with RoHS specifications
- Hardened stainless steel frame and measuring jaws
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Digit size: 10mm
- Power: 1 x Lithium battery CR2032 - 3v
- Marked with serial number
- **One year warranty**

SAVE 40%

CLICK FOR PDF 1217

DIN 862

Order Code <b>49-900-153</b>	Description/Size 0-150mm/0-6"
List Price £55.00	<b>Offer Price £33.00</b>

### Electronic Digital Depth Gauge With Hook DIN 862



- Electronic Depth gauge with Hook
- Hardened stainless steel base and frame
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Base Size: Width 100mm, Thickness 6.65mm
- Hook: Length 5mm, Thickness 2mm
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

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DIN 862

SAVE 30%

Order Code <b>49-900-161</b>	Description/Size 0-150mm/0-6"
List Price £82.60	<b>Offer Price £57.80</b>

### Metric Only Electronic Digital Caliper DIN 862



- Metric reading only
- Hardened stainless steel frame and measuring jaws
- Resolution: 0.01mm
- Repeatability: 0.01mm
- Digit size: 11mm
- Power: 1 x Alkaline button cell LR44 - 1.5v
- Marked with serial number
- **One year warranty**

SAVE 45%

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DIN 862

Order Code <b>49-923-155</b>	Description/Size 0-150mm
List Price £49.90	<b>Offer Price £27.40</b>

### Electronic Digital Caliper



- Fully compliant with RoHS specifications
- Full ABS/Origin feature
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Digit size: 8mm
- Response Speed: Unlimited
- Operating temperature: 5-40°
- Power: 1 x Lithium battery CR1632 - 3v
- Marked with serial number
- **One year warranty**

SAVE 30%

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Order Code <b>49-950-157</b>	Description/Size 0-150mm/0-6"
List Price £65.00	<b>Offer Price £45.50</b>

### Digital Caliper & Mechanical Micrometer Set



- Digital caliper & mechanical micrometer set
- 1 x 49-923-150 digital caliper
- 1 x 50-100-025 outside micrometer
- Housed in a specially fitted deluxe case
- **One year warranty**

SAVE 42%

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Order Code <b>50-100-900</b>	Description/Size Caliper & Mic Set
List Price £81.90	<b>Offer Price £48.95</b>

### 3 Piece Digital Measuring Kit



- Set contains 3 of our popular tools
- 1 x Large Face Digital Caliper: 49-923-150
- 1 x Electronic Digital Indicator: EDI-25
- 1 x Magnetic Base: MB-2

SAVE 38%

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Order Code <b>MB-EDI-151</b>	Description/Size Measuring Set
List Price £148.40	<b>Offer Price £92.00</b>



Micrometers

Mechanical Outside Micrometers DIN 863



SAVE 35%

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- Graduations: 0.01mm & 0.001"
- Accuracy conforms to BS 870 & DIN 863
- Tungsten carbide measuring faces
- Spindle locking lever
- Standard models have ratchet thimble
- Micrometers above 25mm & 1" supplied with setting rod

Order Code	Description/Size	List Price	Offer Price
50-100-025	0-25mm	£32.80	£21.30
50-100-050	25-50mm	£37.40	£24.30
50-100-075	50-75mm	£44.50	£28.90
50-100-100	75-100mm	£50.80	£33.00
50-100-125	100-125mm	£58.80	£38.20
50-100-150	125-150mm	£67.00	£43.50
50-100-175	150-175mm	£75.20	£48.90
50-100-200	175-200mm	£90.10	£58.50
50-100-225	200-225mm	£98.70	£64.10
50-100-250	225-250mm	£102.50	£66.60
50-100-275	250-275mm	£110.40	£71.80
50-100-300	275-300mm	£120.10	£78.10

Order Code	Description/Size	List Price	Offer Price
50-100-001	0-1"	£32.80	£21.30
50-100-002	1-2"	£37.40	£24.30
50-100-003	2-3"	£44.50	£28.90
50-100-004	3-4"	£50.80	£33.00
50-100-005	4-5"	£58.80	£38.20
50-100-006	5-6"	£67.00	£43.50
50-100-007	6-7"	£75.20	£48.90
50-100-008	7-8"	£90.10	£58.50
50-100-009	8-9"	£98.70	£64.10
50-100-010	9-10"	£102.50	£66.60
50-100-011	10-11"	£110.40	£71.80
50-100-012	11-12"	£120.10	£78.10

Digit Micrometers DIN 863



SAVE 35%

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- Digits read to 0.01mm or 0.001"
- Barrel reads 0.01mm or 0.001"
- Models above 25mm/1" supplied with setting standard

Order Code	Description/Size	List Price	Offer Price
50-110-025	0-25mm	£79.00	£51.40
50-110-050	25-50mm	£86.90	£56.50
50-110-075	50-75mm	£102.30	£66.50
50-110-100	75-100mm	£117.90	£76.60
50-110-001	0-1"	£79.00	£51.40
50-110-002	1-2"	£86.90	£56.50
50-110-003	2-3"	£102.30	£66.50
50-110-004	3-4"	£117.90	£76.60

Depth Micrometers DIN 863



SAVE 42%

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- Satin Chrome heads fitted to hardened and ground depth gauge bases
- Anvil Diameter. = 4.5mm (0.177"). With flat end

Order Code	Description/Base Size	Length	List Price	Offer Price
50-170-025	0-25mm	65mm	£85.20	£55.40
50-175-100	0-100mm	100mm	£128.00	£83.20
50-175-150N	0-150mm	100mm	£168.80	£109.70
50-170-001	0-1"	2½"	£85.20	£55.40
50-175-004	0-4"	4"	£128.00	£83.20
50-175-006	0-6"	4"	£168.80	£109.70

Blade Micrometers



SAVE 30%



- Suitable for groove measurement
- Fixed & moving blades ground 0.75mm x 6.5mm
- Models above 25mm supplied with setting standards
- Graduations: Metric: .01mm Inch: .001"

Order Code	Description/Size	List Price	Offer Price
50-150-025	0-25mm	£184.60	£129.20
50-150-050	25-50mm	£213.00	£149.10
50-150-075	50-75mm	£237.40	£166.00
50-150-100	75-100mm	£274.50	£192.00
50-150-001	0-1"	£184.60	£129.20
50-150-002	1-2"	£213.00	£149.10
50-150-003	2-3"	£237.40	£166.00
50-150-004	3-4"	£274.50	£192.00

Spline Micrometers



SAVE 30%



CLICK FOR PDF 1187

- Suitable for measuring splines & grooves
- Spline anvils are tungsten carbide tipped
- Spline anvil diameter: .079" (2mm)
- Spline anvil length: .197" (5mm)
- Graduations: Metric: .01mm Inch: .001"

Order Code	Description/Size	List Price	Offer Price
50-130-025	0-25mm	£111.00	£77.70
50-130-050	25-50mm	£125.40	£87.70
50-130-001	0-1"	£111.00	£77.70
50-130-002	1-2"	£125.40	£87.70

Black Dial Measuring Sets



SAVE 30%



CLICK FOR PDF 1365

- Metric set comprises:
  - Black Face Dial Caliper 150mm, Outside Micrometer 0-25mm & Black Rule 150mm/6"
- Imperial set comprises:
  - Black Face Dial Caliper 6", Outside Micrometer 0-1" & Black Rule 6"/150mm

Order Code	Description/Size	List Price	Offer Price
50-610-BFM	Metric Set	£84.60	£59.20
50-610-BFI	Imperial Set		

Micrometer Sets

Outside Micrometers Boxed Sets DIN 863



SAVE 32%

- Graduations: 0.01mm & 0.001"
- Accuracy conforms to BS 870 & DIN 863
- Tungsten carbide measuring faces
- Spindle locking lever
- Standard models have ratchet thimble
- Micrometers above 25mm & 1" supplied with setting rod

CLICK FOR PDF 1181

Order Code	Description/Size	List Price	Offer Price
50-200-150	0-150mm 6 Mics	£290.00	£197.00
50-200-200	150-300mm 6 Mics	£596.00	£405.00
50-200-300	0-300mm 12 Mics	£876.00	£595.00
50-200-006	0-6" 6 Mics	£290.00	£197.00
50-200-009	6-12" 6 Mics	£596.00	£405.00
50-200-012	0-12" 12 Mics	£876.00	£595.00

### Fine Adjustment Vernier Calipers



SAVE 30%

CLICK FOR PDF 1016

- Hardened stainless steel body, Satin chrome plated
- Four way measurement for outside, inside, depth and step
- Graduations: 0.001" and 0.02mm
- Depth rod, sliding surfaces raised to prevent wear to scale

Order Code	Description/Size	List Price	Offer Price
51-100-004	100mm/4"	£29.90	£20.90
51-100-006	5-1/2" (145mm)	£29.90	£20.90
51-100-008	8" (200mm)	£48.20	£33.70
51-100-012	12" (300mm)	£80.00	£56.00

### Carbon Fibre Dial Caliper



SAVE 30%

CLICK FOR PDF 1099

- Manufactured from Carbon Fibre
- Range: 0-150mm
- Graduations: 0.1mm
- Travel per rev: 10mm
- Caliper Beam marked in 10mm steps
- Convenient Thumb Adjuster
- Rotating Dial Bezel

Order Code	Description/Size	List Price	Offer Price
51-220-150	Carbon Fibre Caliper	£11.60	£8.10

### Master Vernier Calipers



SAVE 35%

CLICK FOR PDF 1016

- Micro-fine graduations
- Jaw depths: 3" for 12" model and 4" for the 24" model, 6" for the 40" model
- Dual reading: Inch grads. = 0.001", Metric grads. = 0.02mm
- Minimum internal measurement 10mm

Order Code	Description/Size	List Price	Offer Price
51-110-012	Master Vernier 12"	£97.30	£65.20
51-110-024	Master Vernier 24"	£188.00	£125.90
51-110-040	Master Vernier 40"	£604.00	£404.00

### Thumb Lock Caliper



SAVE 30%

CLICK FOR PDF 1016

- Measuring Range: 6"/150mm
- Hardened stainless steel body
- 4 way measurement
- Graduations: 0.001" or 0.02mm
- Depth rod
- Sliding surfaces raised to prevent wear to scale

Order Code	Description/Size	List Price	Offer Price
51-101-006	Thumb Lock Caliper	£29.90	£20.90

### Black Face Dial Calipers



SAVE 30%

CLICK FOR PDF 1246

- 4-way measurement, outside, inside, depth & step
- Thumb roll for easy setting and adjustment.
- Jaw depth: 1.6" for 6", 1.9" for 8" and 2.5" for the 12" model

Order Code	Description/Size	List Price	Offer Price
51-200-150B	150mm	£44.80	£31.40
51-200-200B	200mm	£66.80	£46.80
51-200-300B	300mm	£89.30	£62.50
51-200-006B	6"	£44.80	£31.40
51-200-008B	8"	£66.80	£46.80
51-200-012B	12"	£89.30	£62.50

### Metric Vernier Depth Gauge DIN 862



DIN 862

SAVE 30%

- Hardened Stainless Steel beam and base
- Microlapped measuring faces
- Beam lock screw
- Engraved graduations
- Range 0 - 300mm, graduation 0.02mm
- Base size 100mm wide x 8mm thick

Order Code	Description/Size	List Price	Offer Price
51-120-300	0-300mm	£52.20	£36.60

### Vernier Caliper DIN 862



SAVE 33%

- Hardened stainless steel body
- Satin chrome plated
- Four way measurement for outside, inside, depth and step
- Graduations: 0.001" and 0.02mm
- Depth rod, sliding surfaces raised to prevent wear to scale

Order Code	Description/Size	List Price	Offer Price
51-105-150	0-150mm/0-6"	£21.90	£14.70

### Dual Reading Dial Calipers DIN 862



SAVE 30%

CLICK FOR PDF 1246

- 'Two tools in one'
- Red hand & numbers = Inch
- Black hand & numbers = Metric
- 51-150-006: 150mm/6"
- 51-150-012: 300mm/12"

Order Code	Description/Size	List Price	Offer Price
51-150-006	150mm/6"	£57.00	£39.90
51-150-012	300mm/12"	£113.60	£79.50

### Vernier Measuring Sets



SAVE 30%

CLICK FOR PDF 1363

- Metric set comprises: Vernier Caliper 145mm, Outside Micrometer 0-25mm & Steel Rule 150mm/6"
- Imperial set comprises: Vernier Caliper 5-1/2", Outside Micrometer 0-1" & Steel Rule 6"/150mm

Order Code	Description/Size	List Price	Offer Price
50-600-025	Metric Set	£69.90	£48.95
50-600-001	Imperial Set	£69.90	£48.95



### Electronic Digital Dial Indicators



#### EDI-25 Electronic Digital Indicator

- Measuring Range: 0-25mm/0-1"
- Resolution: 0.01mm / 0.001"
- Repeatability: 0.01mm / 0.001"
- Accuracy: +/- 0.02mm



SAVE 35%

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#### EDI-125 Electronic Digital Indicator with Fine Reading

- Measuring Range: 0-12.5mm/0-1/2"
- Resolution: 0.001mm/0.00005"
- Repeatability: 0.001mm/0.00005"
- Accuracy: +/- 0.005mm

Order Code	Description/Size	List Price	Offer Price
EDI-25	Digital Indicator	£58.50	£38.00
EDI-125	With Fine Reading	£126.00	£81.90

### 40mm Dial Face Dual-Dial Test Indicator



SAVE 33%

CLICK FOR PDF 1015

- Provides both Metric & Inch readings
- Fully jewelled movements
- Adjustable bezel
- Supplied with 6 & 8mm Spigots
- Satin chrome body with dovetail on 3 sides

Order Code	Description/Size	List Price	Offer Price
55-100-200	Dual-Dial Indicator	£99.90	£66.90

### 60mm White Dial Face Plunger Indicators



- Adjustable dial
- Hardened & ground racks
- 60mm dial face
- Dial Graduation: 0.01mm/0.001"
- Bezel lock
- Tolerance pointers
- Lug back fitting
- Stem diameter: 8mm



SAVE 30%

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Order Code	Description/Size	List Price	Offer Price
DG-M	10mm Dial Indicator	£26.40	£18.50
DG-25M	25mm Dial Indicator	£41.80	£29.30
DG-1/2S	1/2" Dial Indicator	£26.40	£18.50
DG-1S	1" Dial Indicator	£28.80	£20.20

### Multiple Function Electronic Digital Indicator



- Range: 0-12.7mm/0-0.5"
- Resolution: 0.002mm/0.00005"
- Dia of outer ring: 64mm
- Accuracy: 0.02mm
- Anvil thread M2.5mm
- Stem Diameter: 8mm
- 1 x 3V CR2032 Lithium Cell

SAVE 20%

CLICK FOR PDF 1103

Order Code	Description/Size	List Price	Offer Price
EDI-13	Multi Function Indicator	£136.00	£109.00

### 32mm Dial Face Lever Test Indicators



- Fully jewelled movements
- Adjustable bezel
- Supplied with 6 & 8mm Spigots
- Satin chrome body with dovetail on 3 sides
- Resolution: 55-100-010: Metric 0.01mm 55-100-005: Inch 0.0005"
- Range: 55-100-010: 0.8mm 55-100-005: 0.03"

CLICK FOR PDF 1015

SAVE 30%

Order Code	Description/Size	List Price	Offer Price
55-100-010	Metric DTI	£77.80	£54.50
55-100-005	Imperial DTI		

### Micron Dial Indicator



- Range: 0-1mm
- Resolution: 0.001mm
- 40mm dial face
- Adjustable dial
- Lug back fitting
- Anvil thread M2.5mm
- Stem Diameter: 8mm

SAVE 30%

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Order Code	Description/Size	List Price	Offer Price
DG-1MM	Micro Dial Indicator	£84.40	£59.00

### 32mm Dial Face Vertical Dial Test Indicators



- Fully jewelled movements
- Adjustable bezel
- Supplied with 6 & 8mm Spigots
- Satin chrome body with dovetail on 3 sides
- Resolution: 55-150-010: Metric 0.01mm 55-150-005: Inch 0.0005"
- Range: 55-150-010: 0.8mm 55-150-005: 0.03"

SAVE 33%

CLICK FOR PDF 1015

Order Code	Description/Size	List Price	Offer Price
55-150-010	Metric Vertical DTI		
55-150-005	Imperial Vertical DTI		
		£78.80	£52.80

### Extra Long Travel Dial Indicator



- Range: 0-100mm
- Resolution: 0.01mm
- 80mm Dial face
- Adjustable dial
- Bezel lock
- Flat back fitting
- Anvil thread M2.5
- Fitted with ball anvil
- Stem dia: 8mm
- Hardened & ground racks

SAVE 30%

CLICK FOR PDF 1006

Order Code	Description/Size	List Price	Offer Price
DG-100M	Long Travel Indicator	£284.00	£198.00

### 40mm Dial Face Plunger Indicators



- Adjustable dial
- 40mm dial face
- Dial Graduation: 0.01mm/0.001"
- Hardened & ground racks
- Bezel lock
- Lug back fitting
- Tolerance pointers
- Fitted with ball anvil
- Anvil thread M2.5mm
- Stem Diameter(both models): 8mm
- Scale Reading(both models): 0-100

SAVE 30%

CLICK FOR PDF 1006

Order Code	Description/Size	List Price	Offer Price
DG-5M	Dial Indicator 5mm		
DG-1/4	Dial Indicator 1/4"		
		£29.30	£20.50



### Magnetic Base with Solid Cross Arm



SAVE 35%

- Magnetic Base with solid cross arm
- Plunger Indicators held by lug back or up to 8mm dia. stem
- Lever Indicators held by spigot
- Overall height 230mm
- Upright arm is 12mm diameter with M8 x 1.25 thread
- Cross arm is 10mm dia
- Switchable magnetic has 80 kilo force

CLICK FOR PDF 1340

Order Code <b>MB-1</b>	Description/Size MB-1 Magnetic Base
List Price £35.60	Offer Price <b>£23.10</b>

### DG1030 Articulated Arm with Magnetic Base



SAVE 20%

- Lower arm: 110mm
- Upper arm: 101mm
- Mag Base Force: 80kg/f
- Gauge holder: 44mm
- Base/switch: on/off
- Base Dimensions: W50 x L60 x H55
- Holds 8mm & dovetail

Order Code <b>DG 1030</b>	Description/Size DG 1030
List Price £90.80	Offer Price <b>£72.60</b>

### DG 1040 Powerful Vacuum Base 350N Force

- Fine adjustment.
- Holds indicator with 6 & 8mm, 3/8" stem & dovetail
- Powerful on/off vacuum base
- DG arm is manufactured from aluminium alloy with a black oxide finish.
- Vacuum base adheres to any smooth flat surface.
- Bottom arm thread: M8 x 1.25mm
- Base size: 100mm x 20mm
- 35kg (350N) Pull



SAVE 20%

Order Code <b>DG 1040</b>	Description/Size Vacuum Base
List Price £131.40	Offer Price <b>£105.10</b>

### Holding

#### Medium Duty Magnetic Base



SAVE 30%

- Medium duty push button magnetic base
- Three precision ground contact surfaces
- Base dimensions: L:48, W:40, H:50mm
- Clamping force: 290(N)
- Upright: ø12mm chrome plated steel
- Cross arm: ø10mm chrome plated steel

Order Code <b>MB-4</b>	Description/Size Medium Duty Base
List Price £45.80	Offer Price <b>£32.10</b>

### Sets

#### Minor Mag Dti Sets

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Sets contain a Mini Mag Base with accessories and a choice of indicator.

Set Includes:

- Cylindrical Pot Magnet Base fitted with Fine adjustable multi-position Indicator arm, complete with dovetail indicator mounting.

Additional accessories include:

- Steel Spigot, which attaches to the magnet base, & can be clamped in a machine chuck/collet when using the instrument as a centring attachment.
- Indicator Extension Arm 90mm long, suitable for holding the indicator by its spigot
- Choice of Lever Dial Indicator, complete with 3 dovetail faces and supplied with 6 & 8mm diameter accessory Spigots

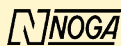


SAVE 35%

Order Code	Dial Indicator Choice/ (Product Code)	Indicator Type	Dial Dia.	Indicator Grads.	List Price	Offer Price	
<b>55-100-SET</b>	Minor Magnetic Base Only with accessories					£32.40	<b>£24.10</b>
<b>55-100-SET1</b>	55-100-010	Metric	32mm	0.01mm	£108.00	<b>£69.90</b>	
<b>55-100-SET2</b>	55-100-005	Inch	32mm	0.0005"	£108.00	<b>£69.90</b>	
<b>55-100-SET3</b>	55-105-010	Metric	40mm	0.01mm	£123.60	<b>£79.90</b>	
<b>55-100-SET4</b>	55-105-005	Inch	40mm	0.0005"	£123.60	<b>£79.90</b>	
<b>55-100-SET5</b>	55-100-200	Metric & Inch	40mm	0.01mm & 0.0005"	£132.00	<b>£85.80</b>	

### MB-2 Magnetic Base

CLICK FOR PDF 1340



SAVE 35%

- Magnetic Base with fine adjustment arm
- Plunger Indicators held by lug back or up to 8mm dia stem
- Lever Indicators held by spigot
- Overall height 230mm
- Upright arm is 12mm diameter with M8 x 1.25 thread
- Cross arm is 10mm dia
- Switchable magnetic has 800N force

Order Code <b>MB-2</b>	Description/Size MB-2 Mag Base
List Price £38.00	Offer Price <b>£24.70</b>

### Holding System

#### Adjustable Centering Arms

These machine attachments provide a simple & precise method for locating holes and spigot diameters when setting machine tools

- Mounting Stem diameter: 8mm x 40mm long
- Arm Lengths: Upper 56mm Lower 51mm
- 2 swivel joints allow universal positioning
- Central locking mechanism provides easy clamping
- Holds dovetail, 6 or 8mm dia Spigots

SAVE 15%



Order Code <b>NF 1015</b>	Description Arm Only	Order Code <b>NF 1022</b>	Description Arm Only
List Price £58.20	Offer Price <b>£49.40</b>	List Price £80.60	Offer Price <b>£68.50</b>

CLICK FOR PDF 1036

Height Gauges

Mechanical Vernier Height Gauges



CLICK FOR PDF 1079

SAVE 25%

- Beam & slide manufactured from hardened stainless steel
- Main and vernier scales are Satin Chrome
- Sliding scale raised to prevent wear
- Swing away scale magnifier
- Fine adjustment mechanism
- Carbide tipped scriber
- Adjustable main scale, 3/4" full adjustment
- Inch and Metric reading
- Supplied in fitted case

Order Code <b>51-300-012</b>	Description/Size 300mm/12"
List Price £189.00	<b>Offer Price £141.80</b>
Order Code <b>51-300-024</b>	Description/Size 600mm/24"
List Price £289.00	<b>Offer Price £216.80</b>

Electronic

Electronic Double Column Height Gauges



SAVE 30%

- Robust twin column construction
- Large hand wheel for fast and fine adjustment
- Accuracy:  
12"/300mm 0.0015"/0.04mm  
24"/600mm 0.002"/0.05mm
- Metric/Inch conversion
- Tolerance setting
- Memory max/min
- On/Off button
- Column locking lever
- Tungsten tipped scriber
- Powered by one LR44 battery
- Large 8mm high LCD digits

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Order Code <b>51-350-012</b>	Description/Size 300mm/12"
List Price £456.00	<b>Offer Price £319.00</b>
Order Code <b>51-350-024</b>	Description/Size 600mm/24"
List Price £798.00	<b>Offer Price £558.00</b>

Electronic

Electronic Single Column Height Gauges



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SAVE 33%

- Robust single column construction
- Clear LCD display with 14mm digits
- Fine adjustment mechanism.
- Contoured base provides improved handhold.
- Tungsten carbide tipped scriber.
- Measuring range: 300mm/12" & 600mm/24"
- Resolution: 0.01mm/0.0005"
- Repeatability: 0.01mm
- Power supply: 1 x LR44, 1.5V battery cell

Order Code <b>51-360-012</b>	Description/Size 300mm/12"
List Price £376.00	<b>Offer Price £251.90</b>
Order Code <b>51-360-024</b>	Description/Size 600mm/24"
List Price £552.00	<b>Offer Price £369.00</b>

Electronic Digital Brake Drum Caliper DIN 862



SAVE 30%

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- Suitable for measuring the internal diameter of Brake Drums and setting the correct Brake Shoe dimension
- Range: 0-300mm/0-12"
- Resolution: 0.01mm/0.0005"
- Accuracy over 300mm: ± 0.03mm/0.0012"
- Power: 1 x Alkaline button cell LR44 - 1.5v
- **One year warranty**

Order Code <b>49-700-012</b>	Description/Size 0-300mm/0-12"
List Price £164.00	<b>Offer Price £114.80</b>

Tyre Tread Depth Gauge



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SAVE 30%

- Gauge Probe & Base manufactured from Carbon Fibre Composite
- Total Range 25mm / 1"
- Resolution: 0.01mm / 0.0005"
- Accuracy: +/- 0.2mm
- 3 Button operation:  
On/Off, Inch/Metric & Zero Set
- Also suitable for brake shoe and pad wear
- Power: 1 x LR44 - 1.5v Battery

Order Code <b>49-850-025</b>	Description/Size 25mm/1"
List Price £13.40	<b>Offer Price £9.40</b>

Electronic Digital Brake Disc Caliper DIN 862



SAVE 30%

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- Suitable for measuring and setting Disc Brake components
- Internal jaws for Pad wear
- External jaws for Pad and Disc Wear
- Range: 0-150mm / 0-6"
- Resolution: 0.01mm/0.0005"
- Accuracy: ± 0.015mm / 0.001"
- Power: 1 x LR44 - 1.5v Battery
- **One year warranty**

DIN 862

Order Code <b>49-700-006</b>	Description/Size 0-150mm/0-6"
List Price £106.00	<b>Offer Price £74.20</b>

## Gauge Block Sets

### Metric & Imperial - Inspection & Workshop Grades

**FREE**

**Electronic Digital Caliper**



**FREE**

**150mm/6"**  
Electronic Digital Caliper  
with every  
Gauge Block Set purchased



- Manufactured from specially selected high quality age hardened alloy steel
- Each block is heat treated to HRC65/HV820 for high resistance to wear
- High quality surface finish
- Available in 2 grades: Inspection & Workshop
- Each set is supplied with a 5 point UKAS Certificate of accuracy
- Steel gauges must be cleaned after use to avoid corrosion
- Sets are supplied in high quality fitted wooden box

SAVE  
**10%**

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PDF  
**1227**

#### Metric Gauge Blocks: BS EN ISO 3650:1999

Order Code	Set Pieces	BS Grade	List Price	Offer Price
53-670-047	47	WKS 2	£444.00	£399.00
53-670-087	87	WKS 2	£664.00	£598.00
53-671-047	47	INSP 1	£564.00	£508.00
53-671-087	87	INSP 1	£870.00	£783.00

#### Imperial Gauge Blocks: BS 4311:Part 1:2007

Order Code	Set Pieces	BS Grade	List Price	Offer Price
53-670-036	36	WKS 2	£398.00	£358.00
53-670-081	81	WKS 2	£574.00	£516.00
53-671-036	36	INSP 1	£502.00	£452.00
53-671-081	81	INSP 1	£784.00	£706.00

## Pin Gauge Sets

### Metric & Imperial Sets

SAVE  
**10%**



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PDF  
**1250**

- High Precision Metric & Imperial Pin Gauge sets
- Gauges are cylindrical, 50mm in length
- Increments of 0.02mm/0.001"
- Gauges are accurate to 0.005mm/0.0002"
- Tolerance: +.005/-0.000mm/ +0.0003"/-0.0000

Order Code	Description/ Size	Set Pieces	List Price	Offer Price
53-882-000	0.20-1.28mm	55	£158.00	£142.00
53-882-010	1.30-4.98mm	185	£340.00	£306.00
53-882-020	5.0-9.98mm	250	£518.00	£466.00
53-882-030	10.0-13.98mm	200	£468.00	£421.00
53-885-100	Pin Gauge Handle		£27.80	£25.00

Order Code	Description/ Size	Set Pieces	List Price	Offer Price
53-880-060	.011"-.060"	50	£129.00	£116.00
53-880-250	.061"-.250"	190	£298.00	£268.00
53-880-500	.251"-.500"	250	£434.00	£390.00
53-880-620	.501"-.625"	125	£512.00	£461.00
53-880-750	.626"-.750"	125	£566.00	£509.00
53-880-830	.751"-.832"	82	£1004.00	£904.00
53-880-920	.833"-.916"	84	£1202.00	£1082.00
53-880-980	.917"-.1.000"	84	£1238.00	£1114.00

## Refractometer



SAVE  
**20%**



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PDF  
**1352**

- Provides quick analysis of concentration of water mix cutting fluids.
- Enables easy and accurate dilution control.
- Scale Range: 0 -18% Brix
- Minimum Division: 0.1% Brix
- Accuracy: ±0.1%
- Supplied with:  
Plastic Specimen Dropper, Calibration Adjustment Tool & Fitted Instrument Case

Order Code	Description/Size
59-732-025	Refractometer
List Price	£98.00
Offer Price	£78.40

## Photo/Contact Tachometer



SAVE  
**30%**

CLICK FOR  
PDF  
**1029**

- Photo/Contact type Tachometer
- Automatic test range selection
- Test range,Photo: 2.5 to 99,999 RPM(r/min)
- Test range,Touch: 2.5 to 99,999 RPM(r/min)
- Resolution: 0.1 RPM (2.5 to 999.9 RPM)
- Resolution: 1 RPM (over 1,000 RPM)
- Accuracy: ± 0.05% + RPM
- Sampling Time: 1 second (over 60 RPM)

Order Code	Description/Size
59-800-236	Photo Tachometer
List Price	£176.00
Offer Price	£123.00

## Digital Touch Tachometer



SAVE  
**30%**

CLICK FOR  
PDF  
**1028**

- Provides accurate measurement of spindle speeds in RPM & surface speed in m/min
- Clear LCD display 5 digits x 10mm high
- Resolution: 0.1 RPM (2.5 to 999.9 RPM)
- Resolution: 1 RPM (over 1,000 RPM)
- Accuracy: ± 0.05% + RPM
- Sampling Time: 1 second (over 15 RPM)
- Time base: quartz crystal

Order Code	Description/Size
59-800-838	Digital Tachometer
List Price	£89.00
Offer Price	£62.30

### Microscope

#### Stereo Microscope

CLICK FOR  
PDF  
1007

SAVE  
22%

- High quality stereo microscope
- Used exclusively for surface inspection
- 2x & 4x objective lenses
- 2 x 10x eyepiece
- 12v incident illuminator with 220v on/off switch
- Eyepiece mounted in 45° inclined eye tube
- Interpupillary distance adjustable from 2" to 3" (50mm to 75mm)
- Objectives mounted in 180° revolving turret with positive click stop, par focal & par centred
- 2.5" (60mm) reversible white/black stage plate provided
- Pair of rubber eye cups provided
- 1 Year Guarantee**

Order Code <b>59-020-040</b>	Description/Size Microscope
List Price £374.00	<b>Offer Price £291.70</b>

### Microscope

#### Long Reach Microscope

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PDF  
1007

SAVE  
22%

- For viewing surface of items which will not fit onto conventional plate
- 2x objective lens (giving x20 magnification)
- 10x eyepiece with adjustable centres & rubber eye cups
- Top swivelling light source, 12v lamp, 220v supply
- Positive rack & pinion focussing
- Articulated 290mm long extension arm
- Heavy base plate 120 x 200 x 65mm houses transformer
- Overall column height 290mm
- 1 Year Guarantee

Order Code <b>59-020-100</b>	Description/Size Microscope
List Price £352.00	<b>Offer Price £275.00</b>

### Handheld Magnifier

#### 3x Magnification

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PDF  
1041

SAVE  
40%

- Rectangular head hand held magnifier with 3x mag. aspheric lens
- Lens size 100mm x 50mm

Order Code <b>59-620-003</b>	Description/Size Rectangular Mag 3x
List Price £5.80	<b>Offer Price £3.50</b>

### Hand Held Illuminated Magnifier

#### x14 Mag

CLICK FOR  
PDF  
1334

SAVE  
20%

- Magnification: 14X
- Glass Lens: 30mm diameter
- Illumination: 1 x White LED and 1 x UV LED
- Switch 1: Selects, White or UV LED
- Switch 2: Light source On/Off
- Overall Length: 100mm
- Construction: Rigid plastic
- Power: 2 x CR2016 Batteries (included)
- Supplied with leatherette pouch

Order Code <b>59-685-050</b>	Description/Size Illuminated Magnifier
List Price £5.90	<b>Offer Price £4.70</b>

### Hand Held Illuminated Magnifier

#### x4 Mag

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PDF  
1333

SAVE  
30%

- Magnification: 4X
- Glass Lens: 48mm x 48mm
- Illumination: 5 x White LED and 1 x UV LED
- 3 Position Switch: OFF, White only, UV only
- Overall Length: 205mm
- Construction: Rigid plastic with a soft feel rubberised coating
- Power: 2 x AAA Batteries (not supplied)

Order Code <b>59-620-002</b>	Description/Size Hand Held Magnifier
List Price £10.20	<b>Offer Price £7.10</b>

### Illuminated Zoom Microscope

#### 60x to 100x Mag

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1335

SAVE  
40%

- Microscope used without the stand sits directly on the component surface
- Microscope used with the stand has a maximum working height of 2.6mm between the microscope and the stand surface
- Magnification: 60 to 100X
- Zoom Slider Control
- Focus Wheel
- Illumination Switch
- Single LED illumination
- Power: 2 x AAA Batteries (not supplied)

Order Code <b>59-625-600</b>	Description/Size Illuminated Microscope
List Price £14.60	<b>Offer Price £8.70</b>

### Telescopic Pick-Up With Light & Mirrors

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1297

SAVE  
25%

- 1 x Handle complete with Torch and Extending Aluminium Shaft
- Handle length: with shaft in closed position 190mm, shaft extended 870mm
- 3 x Viewing Mirrors: 18 x 60mm, 45 x 68mm, 60 x 90mm
- 1 x Plastic Magnifier
- 2 x Magnetic Pickup Heads: 12mm & 20mm dia

Order Code <b>59-690-125</b>	Description/Size Pick Up Set
List Price £41.00	<b>Offer Price £30.70</b>

### Pocket Microscope x20 & x40 mag

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- Main body: aluminum, silver anodised
- Focus stop: clear acrylic for light penetration
- Overall length: 120mm x 13mm diameter
- Model: 59-675-025
- Magnification: 20X
- Measuring Scale: 4.5mm long x 0.05mm grads
- Model: 59-020-640
- Magnification: 40X
- Measuring Scale: 2mm long x 0.02mm grads

Order Code <b>59-675-025</b>	Description/Size Microscope 20x
Order Code <b>59-675-040</b>	Description/Size Microscope 40x
List Price £46.40	<b>Offer Price £30.20</b>

### Optical

#### Illuminated Inspection Mirror with Pick-Up

**SAVE 30%**



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- Designed for viewing inaccessible & poorly lit areas
- Consists of a 350mm flexible, chrome-plated arm fitted with a 1.5V lamp and threaded boss which retains any 1 of the 3 mirrors provided (14 & 23mm dia. concave magnifying, 30mm dia, plain, all set on 25mm arm)
- Blue anodised aluminium handle
- Powered by AA battery (not supplied)
- Also includes threaded magnetic pick up

Order Code <b>59-630-100</b>	Description/Size Inspection Set
List Price £29.60	<b>Offer Price £20.70</b>

### Illuminated Magnifier 7x Mag



CLICK FOR PDF 1095 **SAVE 35%**

- Robust hand held magnifier with 7x mag. aspheric lens
- Lens size 65mm dia.
- Illumination switched on by rotating handle
- Power: 2 x AAA 1.5V batteries (not supplied)

Order Code <b>59-620-007</b>	Description/Size Illuminated Magnifier
List Price £8.10	<b>Offer Price £5.30</b>

### Optical

#### 3 Diopter 80 LED Bench Magnifier

- LED illuminated Bench Magnifier
- Lens material: glass
- Magnification: 3 Diopter
- Lens Size: 190mm x 155mm
- Number of LED's: 80
- Luminance: 1000 Lux
- LED Life: 20000h
- Input voltage 100-240v
- Power: 6.5w
- Bench clamp capacity: 5mm-60mm
- Lower arm length: 400mm
- Upper arm length: 400mm



**SAVE 22%**



Table Stand 59-855-003

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Order Code <b>59-875-800</b>	Description LED Magnifier	Order Code <b>59-855-003</b>	Description Table Stand
List Price £109.90	<b>Offer Price £85.70</b>	List Price £30.60	<b>Offer Price £23.90</b>

### Illuminated LED Eye Glasses



**SAVE 40%**

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- Illuminated eye glasses with LED light
- 3 Interchangeable magnification lenses: 1.5x, 2.5x & 3.5x mag
- Bright LED light built in, with on/off button
- Spectacle style frame
- Black finish
- Powered by 3 x LR1130 Button cell batteries

Order Code <b>59-615-455</b>	Description/Size Eye Glasses
List Price £20.60	<b>Offer Price £12.40</b>

### Optical

#### Head Band Illuminated Magnifier

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**SAVE 30%**

- This Superior Head Band Magnifier provides the following features:
- Multi-coated Acrylic Lenses offer a choice of 4 magnification powers via combination of fixed, flip-up and monacle lenses: 1.5, 3.0, 9.0 and 10.5
- Bright dual LED illumination
- Tilt and Swivel LED adjustment
- Visor can be lifted and lowered as required
- Magnifier can be used when wearing glasses
- Fixed lens: 1.5X
- Flip-up lens: 1.5X
- Monocle lens: 7.5Xw

Order Code <b>59-650-747</b>	Description/Size Head Band Magnifier
List Price £15.40	<b>Offer Price £10.80</b>

### Engineers Squares Sets BS 939 Grade B (Squareness)

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1233



SAVE  
25%

- Manufactured from high quality steel.
- Conform to BS 939 grade B for squareness.
- Choice of two sets
- Supplied in a rugged blow moulded case

Order Code <b>7000-54B</b>	Description/Size 4 Piece Set, 2,3,4 & 6"
List Price £93.40	<b>Offer Price £70.00</b>
Order Code <b>7000-55</b>	Description/Size 4 Piece Set, 4,6,9 & 12"
List Price £202.00	<b>Offer Price £151.50</b>

### Engineers Square BS 939 Grade B



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- Manufactured from high quality steel
- Beam & blade ground & lapped for accuracy
- Blade is hardened & tempered
- Conform to BS 939, grade B for squareness

SAVE  
40%

Order Code	Blade Length	List Price	<b>Offer Price</b>
<b>7000-002</b>	50mm/2"	£18.60	<b>£11.20</b>
<b>7000-003</b>	75mm/3"	£19.50	<b>£11.70</b>
<b>7000-004</b>	100mm/4"	£23.30	<b>£14.00</b>
<b>7000-006</b>	150mm/6"	£27.20	<b>£16.30</b>
<b>7000-009</b>	225mm/9"	£63.60	<b>£38.20</b>
<b>7000-012</b>	300mm/12"	£91.90	<b>£55.10</b>
<b>7000-018</b>	450mm/18"	£398.00	<b>£238.80</b>
<b>7000-024</b>	600mm/24"	£618.00	<b>£370.80</b>

### Audio Edge Finder



- Invaluable for precisely positioning tool holder relative to the workpiece on C.N.C. and standard type machine tools.
- When in contact with the workpiece edge this highly sensitive tool emits a clear 'beep' together with highly visible LED red light
- Contact Ball Dia: 10mm ± .001mm
- Ball Stem Length: 46mm
- Mounting Shank 20mm Dia: ± 0.012mm X 72mm long
- Overall length: 153mm
- Repeatability: Within .006mm
- Powered by 12v 23-A battery

SAVE  
30%

Order Code <b>AUD-EF</b>	Description/Size Audio Edge Finder
List Price £159.00	<b>Offer Price £111.30</b>

### Round Bar Centre Finder



SAVE  
30%

- Accurately and quickly locates centre on round work pieces.
- 3/8" shank located in drill chuck or collet.
- Centre obtained when pointer lines up with line on shaft.
- Satin Chrome Finish.

Order Code <b>4200-100</b>	Description/Size Centre Finder
List Price £24.40	<b>Offer Price £17.10</b>

### Imperial Electronic Edge Finder



SAVE  
30%

- 6 light ports visible at any angle
- Read off of any electrically conductive material
- Edge finder lights instantly when probe touches work edge
- Repeatability: .0002"
- Probe Diameter: 0.200"
- Shank Diameter: 0.500"
- Overall length: 100mm/4"
- Power: 1 x 12V, 23A Alkaline battery

Order Code <b>4200-520</b>	Description/Size Imperial Edge Finder
List Price £40.60	<b>Offer Price £28.40</b>

### Wiggler Set



SAVE  
30%



- Made from precision ground tool steel
- Includes offset indicator holder & improved chuck design for holding attachments
- Attachments readily interchangeable
- Tool adapts to countless applications
- Attachments snap into chuck & clamp to ball swivel joint which permits adjustments to angular positions or true concentricity

Order Code <b>4100-004</b>	Description/Size Wiggler Set
List Price £30.00	<b>Offer Price £21.00</b>

### Edge & Centre Finders



SAVE  
30%

- Accurately locates starting point for all types of machine work & jig boring.
- Made from precision ground tool steel, Hardened and ground all over.

Order Code	Product Description	List Price	<b>Offer Price</b>
<b>4200-038</b>	Edge finder 3/8" x .200"	£16.00	<b>£11.20</b>
<b>4200-076</b>	Edge finder 1/2" x .200"	£19.80	<b>£13.90</b>
<b>4200-073</b>	Combination 3/8" x .200"	£18.80	<b>£13.20</b>
<b>4200-074</b>	Combination 1/2" x .200"	£19.80	<b>£13.90</b>
<b>4200-081</b>	Edge finder 3/8" x 10mm	£19.80	<b>£13.90</b>
<b>4200-080</b>	Edge finder 10mm x 10mm	£19.80	<b>£13.90</b>
<b>4200-039</b>	Edge finder 1/2" x .200"	£16.60	<b>£11.60</b>
<b>4200-077</b>	Edge finder 1/2" x .500"	£18.80	<b>£13.20</b>

### Electronic

### Steel Straight Edges DIN 874/2

SAVE  
10%



- Steel Straight Edges manufactured in Germany
- Deviations of flatness to: DIN 874 & VDI/VDE/DGQ 2618
- Marked with supporting points on side face
- Both working surfaces & side faces are fine ground
- Each straight edge is individually serialised

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\*Carriage Charge Applies

Order Code <b>59-010-050</b>	Description/Size 500mm
List Price £59.40	<b>Offer Price £53.50</b>
Order Code <b>59-010-075</b>	Description/Size 750mm
List Price £94.40	<b>Offer Price £85.00</b>
Order Code <b>59-010-100</b>	Description/Size 1000mm
List Price £116.20	<b>Offer Price £104.60</b>
Order Code <b>59-010-150*</b>	Description/Size 1500mm
List Price £230.00	<b>Offer Price £207.00</b>
Order Code <b>59-010-200*</b>	Description/Size 2000mm
List Price £307.00	<b>Offer Price £276.30</b>

### Metric & Inch 2 Sided Black Finish Steel Rules EEC Class 1



SAVE 33%



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- Metric & inch two sided
- Black chrome finish, D-end style
- Front side: 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100thsths
- Reverse side: 1.0mm, 0.5mm

Order Code	Description/Size	Rule Type	List Price	Offer Price
678-006FEZ	150mm/6"	Rigid	£10.80	<b>£7.20</b>
678-012FEZ	300mm/12"	Rigid	£18.50	<b>£12.30</b>
851-006FEZ	150mm/6"	Flexi	£9.90	<b>£6.60</b>
851-012FEZ	300mm/12"	Flexi	£16.70	<b>£11.10</b>

### Universal Bevel Protractor



SAVE 30%



CLICK FOR PDF 1283

- Dial face & vernier in satin chrome.
- Magnifier for easy reading of vernier scale.
- Protractor dial graduated 360 x 1 degree.
- Vernier scale reads to 5 minutes of arc.
- Accuracy +/- 5 mins.
- Supplied with 6,8 & 12" blades.
- Blades made from alloy steel, hardened & ground.
- 1 x right angle accessory.

Order Code	Description/Size
51-550-012	Uni Bevel Protractor
List Price	£97.00
Offer Price	<b>£67.90</b>

### Carpenters Square



SAVE 30%



- Square head & 12"/300mm steel blade
- Square head includes a spirit level & scribing point
- Steel blade is powder coated & oil resistant
- Steel blade is 2mm thick 25.5mm wide

Order Code	Description/Size
7111-012	Carpenters Square
List Price	£31.80
Offer Price	<b>£22.30</b>

### Metric Rules Two Sided Satin Chrome Finish



SAVE 30%



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- Graduations: both sides 1.0mm, 0.5mm
- Width: 470-150F: 19mm, 470-300F: 25mm
- Thickness: 470-150F: 0.5mm, 470-300F: 1.0mm
- Rule Type: 470-150F: Rigid, 470-300F: Rigid

Order Code	Description/Size	List Price	Offer Price
470-150F	150mm D End style rule	£8.30	<b>£5.80</b>
470-300F	300mm D End style rule	£14.20	<b>£9.90</b>

### Round & Square End Protractors



SAVE 30%



- For drawing radical lines, transferring angles and setting
- Made of tempered steel with satin chrome finish
- Measures angles from 0-180°
- Head measures 3-5/16" x 2"
- Accuracy ± 1/2°

Order Code	Description/Size
5170	Square End Protractor
5180	Round End Protractor
List Price	£39.00
Offer Price	<b>£27.30</b>

### Double Squares



SAVE 33%



- Blade is hardened, tempered and satin chrome plated for longer life.
- Graduation Readings:  
7104-264: F:32nds & 0.5mm R:64ths & 1.0mm  
7104-754: Both sides 0.5mm & 1.0mm  
7105-756: Both sides 0.5mm & 1.0mm  
7105-266: F:32nds & 0.5mm R:64ths & 1.0mm

Order Code	Description/Size	List Price	Offer Price
7104-264	100mm/4"	£46.20	<b>£30.80</b>
7104-754	100mm	£46.20	<b>£30.80</b>
7105-756	150mm	£51.50	<b>£34.30</b>
7105-266	150mm/6"	£51.50	<b>£34.30</b>

### Metric & Inch 2 Sided TIN Finish Steel Rules EEC Class 1



SAVE 33%



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- Metric & inch two sided
- TIN Coated finish, D-end style
- Front side: 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100thsths
- Reverse side: 1.0mm, 0.5mm

Order Code	Description/Size	Rule Type	List Price	Offer Price
678-006FTN	150mm/6"	Rigid	£24.00	<b>£16.10</b>
678-012TN	300mm/12"	Rigid	£42.20	<b>£28.10</b>
851-006FTN	150mm/6"	Flexi	£24.00	<b>£16.00</b>
851-012TN	300mm/12"	Flexi	£41.40	<b>£27.60</b>

### Universal Precision Protractor



SAVE 30%



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- Allows internal & external angle measurement
- Outer angle range: 0-180°
- Inner angle range: 40-180°
- Protractor scale graduated 320 x 1 degree
- Vernier scale reads in 2 minute divisions
- Blade length is 150mm
- Blades made from alloy steel, hardened & ground
- Accuracy ± 2 minutes

Order Code	Description/Size
51-500-000	Universal Protractor
List Price	£92.80
Offer Price	<b>£65.00</b>

### Combination Square



SAVE 33%



- 4 Piece Combination Set
- Blade, Square Head, Centre Head & Protractor
- Blade is fully hardened and tempered
- Hardened steel square head 90 & 45 angles
- Hardened centre head
- Inch/Metric Rule
- Double indexed protractor is graduated 180 degrees in both directions

Order Code	Description/Size
7127-012H	Combination Square
List Price	£199.00
Offer Price	<b>£132.60</b>

### Magnetic Vee Blocks



SAVE 30%

- Vee block will hold itself to work on any flat ferrous surface
- Holds varied shaped workpieces so that light machining operations such as grinding, boring & tapping can be carried out saving time
- Faces and Vee are accurately ground
- Maximum dia capacity: 60mm

Order Code <b>59-900-000</b>	Description/Size Magnetic Vee Blocks
List Price £199.90	Offer Price <b>£139.90</b>

### Toolmakers Parallel Clamps



SAVE 33%



- Designed for maximum strength and rigidity
- Jaws are case hardened for optimum strength and wear resistance
- Knurled screw heads have cross holes for use with tommy bar for secure tightening
- Clamps equipped with a spring clip located in a retaining groove on the screw head
- Ends of jaws are chamfered

Order Code	Jaw Opening	Jaw Length	List Price	Offer Price
<b>6100-002</b>	31mm	50mm	£14.80	<b>£9.90</b>
<b>6100-025</b>	44.5mm	63mm	£16.80	<b>£11.20</b>
<b>6100-003</b>	56.5mm	75mm	£18.20	<b>£12.20</b>
<b>6100-004</b>	69.5mm	100mm	£22.40	<b>£15.00</b>
<b>6100-005</b>	88.5mm	125mm	£57.40	<b>£38.50</b>

### Magnetic Welders Clamps



SAVE UPTO 30%

- For clamping light steel together at any angle
- MAG-1: angles available: 90° & 45°
- MAG-2: angles available: 90°, 75°, 60°, 45° & 30°
- MAG-3: angles available: 90° & 45°

Order Code	Description/Size	List Price	Offer Price
<b>MAG-1</b>	Mag Welders Square	£12.40	<b>£8.70</b>
<b>MAG-2</b>	Magnetic Quick Clamp	£8.80	<b>£6.20</b>
<b>MAG-3</b>	Heavy duty Clamp	£13.40	<b>£9.40</b>
<b>MAG-SET</b>	1 of each of the above	£34.20	<b>£23.90</b>

### 'G' Clamp Vice



SAVE 33%

- Lightweight portable mini vice
- Can be easily mounted to any convenient working surface
- Maximum jaw Opening: 60mm
- Jaw width: 65mm
- Jaw height: 30mm
- Maximum table clamping: 40mm
- Rotating vice head: 360 degrees

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Order Code <b>52-192-875</b>	Description/Size 'G' Clamp Vice
List Price £26.80	Offer Price <b>£17.95</b>

### Drill Press Vice



SAVE 30%

- Ideal for safe drilling and light milling operations
- Jaws & lead screw are made of high quality steel, hardened & ground

Order Code <b>52-191-120</b>	Description/Size Drill Press Vice
List Price £63.60	Offer Price <b>£44.50</b>

### Shaft Vice



SAVE 30%

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- Suitable for gripping shafts & pipes 10mm - 80mm
- Precision ground, parallelism to 0.0008"
- Parallelism of sliding surface to base 0.0005"
- Reversible centre vee for small shaft/pipes
- Jaw width: 100mm
- Jaw opening: 10-80mm
- Weight: 21kg

Order Code <b>52-485-100</b>	Description/Size Shaft Vice
List Price £332.00	Offer Price <b>£233.00</b>

### Extra Long Drive Pin Punch Set



SAVE 30%

- Manufactured from tool steel
- Hardened and tempered at each end between 45 - 52 Rockwell
- Knurled body for better grip
- Each punch is 8" in length, Drive pin section is 3-1/2" long
- Black Oxide finish
- 5 piece set includes sizes: 1/8", 3/16", 1/4", 5/16", 3/8"

Order Code <b>6301-058</b>	Description/Size Pin Punch Set
List Price £29.20	Offer Price <b>£20.40</b>

### Centre Punch Set



SAVE 30%

- 5 piece set includes sizes: 1/16", 5/64", 3/32", 9/64", 5/32"
- Hardened and tempered at each end between 45-52 Rockwell
- Each punch is 4" in length, 1/16" dia punch is 3" in length
- Black Oxide finish
- Points are precision ground
- Set supplied in fitted case with clear size markings

Order Code <b>6200-005</b>	Description/Size Centre Punch Set
List Price £19.80	Offer Price <b>£13.90</b>

### Toolmakers Vice



SAVE 25%

- Manufactured from high carbon steel to a tolerance of 0.005mm
- Vice is HRC 58-62
- Dimensions: 175 x 63 x 63mm
- Jaw width: 63mm
- Jaw height: 32mm
- Jaw opening: 85mm

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Order Code <b>52-466-175</b>	Description/Size Toolmakers Vice
List Price £132.00	Offer Price <b>£99.00</b>



### Swivel Base Milling Vice



SAVE 30%



- Heavy duty precision milling vice with swivel base
- Used in milling, shaping & drilling machines
- Swivel base can be removed to use as standard vice
- Swivel base has fine graduations through 360°
- Parallelism of sliding surface to base: 0.04mm/100mm
- Parallelism of jaws 0.05mm/100mm

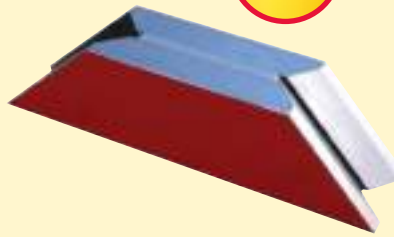
CLICK FOR PDF 1054

Order Code <b>52-873-101</b>	Description/Size Swivel Base Vice
List Price £149.00	<b>Offer Price £104.30</b>

### Magnetic Vee Mitre Clamp



SAVE 30%



- Magnetic Mitre Clamp with Vee faces provides very strong clamping for both rods and tubes up to 57mm dia when making 45 degrees joints
- Length: 185mm
- Height: 45mm
- Width: 45mm

Order Code <b>52-585-020</b>	Description/Size Mitre Clamp
List Price £93.80	<b>Offer Price £65.60</b>

### Contour Profile Gauge



SAVE 35%



- Gauge accurately reproduces complex profiles.
- Enables fast and easy fitting of various materials flush to required profile
- Manufactured from tough plastic
- Maximum profile width: 260mm
- Maximum profile depth: 30mm

Order Code <b>52-470-260</b>	Description/Size Contour Profile Gauge
List Price £22.40	<b>Offer Price £14.60</b>

### Vee Block Set



SAVE 30%



- Set contains 2 sizes of steel Vee Blocks with clamps
- Accuracy:  
Surfaces: Square and parallel within 0.0005"  
Vee Grooves: Square and parallel within 0.0005"  
All other dimensions of matched pair are within 0.0005"

Size Small	Length 1-1.2"	Width 1-1/4"	Height 1-1/4"	Capacity 1"
Size Large	Length 2"	Width 1-1/2"	Height 1-1/2"	Capacity 1-1/2"

Order Code <b>4900-54</b>	Description/Size Vee Block Set
List Price £148.20	<b>Offer Price £103.80</b>

### 1-2-3 Toolmakers Block Set



SAVE 35%



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- Supplied in precision ground matched pairs
- Blocks measure 1" x 2" x 3" & incorporate 31 holes
- Squareness .0002"
- Surface finish 6-10 microinches
- Size accuracy ± .0005"
- Matched accuracy ± .0002"
- Size of holes: 3/8" x 16 BSW

Order Code <b>52-439-007</b>	Description/Size 1-2-3 Blocks
List Price £32.60	<b>Offer Price £21.20</b>

### 2-4-6 Toolmakers Block Set



SAVE 30%



- Blocks measures 2" x 4" x 6"
- Incorporates 31 holes
- 5 Tapped holes are 5/8" x 11 BSW
- Manufactured from tool steel
- Squareness .0002"
- Surface finish 6-10 microinches
- Size accuracy ± .0005"
- Matched accuracy ± .0002"

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Order Code <b>52-439-009</b>	Description/Size 2-4-6 Blocks
List Price £129.80	<b>Offer Price £91.00</b>

### Parallel Set



SAVE 30%



- 10 pairs of hardened & ground parallels
- 1/2, 5/8, 3/4, 7/8, 1, 1-1/2, 1-1/4, 1-3/8, 1-1/2 & 1-5/8"
- Length: 6" • Width: 1/8"
- Parallelism accuracy: .0002"
- Matched pair accuracy: .0003"
- Supplied in fitted case

Order Code <b>52-437-010U</b>	Description/Size Parallel Set
List Price £67.00	<b>Offer Price £46.90</b>

### Workshop

### Parallel Sets



- Sets include 4 pairs of hardened & ground parallel
- Parallelism accuracy .0002"
- Matched pair accuracy .0003"
- 52-437-030  
Length: 6"  
Width: 3/16"  
Height: 1", 1-1/4", 1-1/2", 1-3/4"
- 52-437-040  
Length: 6"  
Width: 1/2"  
Height: 1", 1-1/4", 1-1/2", 1-3/4"
- Supplied in deluxe fitted case

SAVE 30%



Order Code <b>52-437-030</b>	Description 3/16" x 6"	Order Code <b>52-437-040</b>	Description 1/2" x 6"
List Price £69.60	<b>Offer Price £48.70</b>	List Price £82.00	<b>Offer Price £57.40</b>



### Angle Gauge Set



SAVE 30%

- Angle Gauge Set
- 18 Leave per set
- Angles included are: 1,2,3,4,5,6,7,8,9,10,14,14.5,15,20,25,30,35, & 45
- Manufactured from spring tempered steel
- Complete gauge is 9/32" thick x 1 1/16" wide x 4-3/16" long

Order Code <b>52-470-180</b>	Description/Size Angle Gauge Set
List Price £99.80	<b>Offer Price £69.90</b>

### Universal Angle Block Set



SAVE 30%

- Provides fast and accurate angular set up in 1° increments.
- Combination of 10°, 15° & 30° vee blocks and 1°, 2°, 3°, 4° & 5° angle plates.
- Accuracy of angles ± 30 seconds.
- Dimensions of vee block.
- 3" long, 1-3/16 wide, 1-13/16" high.
- Set supplied in deluxe fitted case.

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Order Code <b>53-690-008</b>	Description/Size Angle Block Set
List Price £128.00	<b>Offer Price £89.60</b>

### Screw Pitch Gauges



SAVE 30%

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**1460**

- Penknife style screw pitch gauges have accurately milled blades
- Sets include Unified, American National and Whitworth thread profiles

Order Code <b>52-472-800</b>	Description/Size 4-42 60 Degree
Order Code <b>52-472-820</b>	Description/Size 4-60 55 Degree
List Price £15.20	<b>Offer Price £10.60</b>

### Hi-Viz Measuring Tapes



SAVE 25%

- Tough plastic cases, bright colours for high visibility
- Power return lock, sliding tape lock
- Yellow wear resistant tape coating
- Self aligning end hook for internal / external measurement
- Marked: feet, inches, 1/32", 1/16" & 1/8", cm & mm

Order Code	Description/Size	List Price	Offer Price
<b>LT-3M</b>	Hi-Viz Tape 3m	£2.40	<b>£1.80</b>
<b>LT-5M</b>	Hi-Viz Tape 5m	£5.40	<b>£4.05</b>
<b>LT-7M</b>	Hi-Viz Tape 7.5m	£9.60	<b>£7.20</b>

### Adjustable Angle Gauge

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SAVE 25%

- Manufactured from chrome steel hardened and micro lapped
- 90° vee located in precision tee slot
- Vee movement:- 60° anti clockwise, 30° clockwise
- Vernier scale on vee reads in 10 sec. divisions
- Vee locked in place by 2 tee nuts
- Length:- 102mm, height 48mm, width 30mm

Order Code <b>53-150-000</b>	Description/Size Adj Angle Gauge
List Price £92.00	<b>Offer Price £69.00</b>

### Acme Screw Pitch Gauge



SAVE 33%

- For use when grinding or setting tools for acme screw thread production.
- The gauge has 14 1/2 and 29° (included) angles precision ground.
- Manufactured from hardened steel with black anodised finish.

Order Code <b>5640</b>	Description/Size Acme Screw Gauge
List Price £22.00	<b>Offer Price £14.70</b>

### Angle Block Set



SAVE 33%

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- Set of 10 blocks consisting of 1,2,3,4,5,10,15, 20,25 & 30°
- For setting & checking angles in production & inspection areas
- Manufactured from hardened steel:
- Precision ground blocks 3" long x 1/4" thick
- Accuracy is 0.0001" per inch:
- Set of 10 blocks supplied in a fitted plastic case

Order Code <b>53-666-021</b>	Description/Size Angle Block Set
List Price £70.00	<b>Offer Price £46.90</b>

### File Sets One & Two



SAVE 30%

- Supplied in a fitted vinyl wallet
- Consist of 12 shaped Swiss pattern needle files:
- Round • Square • Triangle • Half-round
- Flat/warding • Knife • Hand • Oval
- Barrette • Round-edge • Slitting • Pippin

Order Code <b>FILESET 1</b>	Description/Size 165mm Long
List Price £9.80	<b>Offer Price £6.90</b>

Order Code <b>FILESET 2</b>	Description/Size 145mm Long
List Price £9.30	<b>Offer Price £6.50</b>

### Centre Gauges

SAVE 30%



- Invaluable for checking ground 60° tool points & setting screw cutting tools.
- Gauging surfaces are precision ground for accuracy.
- **5031:** F:14ths & 20ths R:24ths & 32nds
- **5032:** Both sides 1.0mm & 0.5mm

Order Code <b>5031</b>	Description/Size Centre Gauge
Order Code <b>5032</b>	Description/Size Centre Gauge
List Price £11.90	<b>Offer Price £8.30</b>

**NEW from Noga**

**Inner - Outer Reamer**



SAVE 25%

- Works on different plastic pipes and tubes such as UPVC, PVC, PP, PE, CPVC, ABS etc.
- Working range: 25 - 75 mm
- Works best with standard electric/cordless drills - 14V and up.
- For best performance run the drill at a low RPM.
- Use the drill position setting
- External Range: 25-75mm
- Internal Range: 40-75mm

**New**

Order Code <b>PC6000</b>	Description/Size Inner - Outer Reamer
List Price £109.99	<b>Offer Price £82.40</b>



**Noga Trio Set**



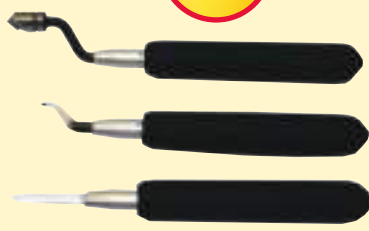
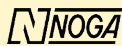
SAVE 35%

- Set Includes:
- RB Handle with red sleeve & S20 blade (Brass & Cast Iron)
  - RB Handle with blue sleeve & S10S blade (Steel & Aluminium)
  - RB Handle with yellow sleeve & S150 blade (Steel, Aluminium & Plastic)

Order Code <b>RB 3000</b>	Description/Size Trio Set
List Price £16.50	<b>Offer Price £10.70</b>

**Noga Micro Burr Set**

SAVE 35%



- Micro Burr set provides extra fine deburring
- 3 micro handles fitted with:
  - 1 x S150 blade
  - 1 x 3.2mm triangular scraper blade
  - 1 x 6.3mm countersink
- Supplied in a fitted case

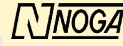
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Order Code <b>FT 3002</b>	Description/Size Micro Burr Set
List Price £23.60	<b>Offer Price £15.40</b>

**Maintenance Kit**



SAVE 35%

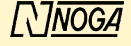


- Sets consists of:
  - Cranked countersink bit 16.5mm x 90°
  - External roto-drive, 4-18mm dia
  - S100 heavy duty blade
  - S150 extra fine blade
  - 'O' Ring blade
  - Thread cleaning blade
  - 95mm long aluminium handle
  - Complete in fitted box

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Order Code <b>SP 1007</b>	Description/Size Maintenance Kit
List Price £54.60	<b>Offer Price £35.50</b>

**Option One Deburring Promotion**



SAVE 35%

- **FREE** Noga handle with 10 x S10 deburring blades
- Order 10 x S10 blades and get free NB handle
- For use on steel, aluminium & plastics

Order Code <b>OPTION-1</b>	Description/Size Option One Set
List Price £25.80	<b>Offer Price £16.80</b>

**Cutting & Trimming**

**50 Piece Knife Set**

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SAVE 30%

- 7 various handles
- 37 various precision cutting blades
- 5 various pointed picks
- 1 sharpening stone

Order Code <b>TK-9000</b>	Description/Size 50 Piece Set
List Price £26.40	<b>Offer Price £18.50</b>

**Noga Deburring**

**The Set**

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SAVE 35%

The 7 most popular deburring tools you need to carry for any deburring application, packed in one handy case.

- The set includes:
- Adjustable Scraper (SC 8000)
  - Keyway Burr (NG3300)
  - V Cut (NG3200)
  - Mini Scraper (NG3700)
  - Countersink (NG3100)
  - Internal Scraper (NG3710)
  - Super Burr (NG3003)



Order Code <b>SP 7700</b>	Description/Size The Set
List Price £135.00	<b>Offer Price £87.75</b>

**LINEAR-LOC**

**Modular Hose System**



**Interchangeable**  
with the leading brand

SAVE  
**25%**

**LINEAR-LOC 1/4" MODULAR HOSE SYSTEM**



Order Code	Product/Size	Pk Qty	List Price	Offer Price
CS-100-147	1/4" hose kit, 11" hose & fittings: 1/16", 1/8", 1/4" nozzles, 1/8" & 1/4" NPT		£10.30	<b>£7.20</b>
CS-100-149	1/4" hose, 11" long	1	£7.80	<b>£5.85</b>
CS-100-152	1/4" circle flow nozzle kit	1	£23.20	<b>£17.40</b>
CS-100-157	1/4" 90 degree nozzle kit, assorted: 1/16", 1/8", 1/4" & spray bar	4	£5.20	<b>£3.90</b>
CS-100-158	1/16" round nozzles	4	£5.20	<b>£3.90</b>
CS-100-160	1/8" round nozzles	4	£5.20	<b>£3.90</b>
CS-100-162	1/4" round nozzles	4	£5.20	<b>£3.90</b>
CS-100-174	1" flare nozzle	2	£7.20	<b>£5.40</b>
CS-100-178	1/8" NPT connectors	4	£5.20	<b>£3.90</b>
CS-100-182	1/4" NPT connectors	4	£4.80	<b>£3.60</b>
CS-100-184	1/4" Y fittings	2	£7.20	<b>£5.40</b>
CS-100-190	1/4" elbow fittings	2	£6.00	<b>£4.50</b>
CS-100-192	1/4" T fittings	2	£8.00	<b>£6.00</b>
CS-100-206	1/4" in-line valves	2	£10.80	<b>£8.10</b>
CS-100-210	1/4" male NPT valves	2	£10.80	<b>£8.10</b>
CS-100-218	1/4" in-line Check Valves	2	£12.80	<b>£9.60</b>
CS-100-220	1/4" manifold system, elbow, bracket, 3 x T fittings & 3 x screws		£15.20	<b>£11.40</b>
CS-100-223	Assembly Pliers to suit 1/4" system	1	£14.40	<b>£10.80</b>
CS-100-408	1/8" NPT Metal Ball Valve	1	£9.80	<b>£7.35</b>
CS-100-416	1/4" NPT Metal Ball Valve	1	£9.40	<b>£7.05</b>

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SAVE  
**25%**

**LINEAR-LOC 1/2" MODULAR HOSE SYSTEM**



Order Code	Product/Size	Pk Qty	List Price	Offer Price
CS-100-255	1/2" hose kit, 11" long with fittings, 1/4", 3/8", 1/2" nozzles, 3/8", 1/2" NPT		£11.80	<b>£8.85</b>
CS-100-257	1/2" hose pack, 11" long	1	£9.10	<b>£6.80</b>
CS-100-260	1/2" circle flow kit	1	£26.00	<b>£19.50</b>
CS-100-265	90 degree nozzle kit	1	£9.80	<b>£7.40</b>
CS-100-266	1/4" round nozzles	4	£5.80	<b>£4.30</b>
CS-100-268	3/8" round nozzles	4	£5.80	<b>£4.30</b>
CS-100-270	1/2" round nozzles	4	£5.80	<b>£4.30</b>
CS-100-280	1-1/4" flare nozzles	2	£8.70	<b>£6.50</b>
CS-100-284	2-1/2" flare nozzles	2	£10.10	<b>£7.50</b>
CS-100-288	3/8" NPT connectors	4	£5.80	<b>£4.10</b>
CS-100-292	1/2" NPT connectors	4	£5.80	<b>£4.10</b>
CS-100-294	1/2" Y fittings	2	£8.80	<b>£6.60</b>
CS-100-296	1/2" - 1/4" Y reducers	2	£8.80	<b>£6.60</b>
CS-100-298	1/2" - 1/4" reducer	2	£6.40	<b>£4.80</b>
CS-100-302	1/2" elbow fittings	2	£8.00	<b>£6.00</b>
CS-100-304	1/2" T fittings	2	£9.20	<b>£6.90</b>
CS-100-310	1/2" in-line valve	2	£15.80	<b>£11.80</b>
CS-100-314	1/2" male NPT valves	2	£15.80	<b>£11.80</b>
CS-100-322	1/2" in-line check valves	2	£15.80	<b>£11.80</b>
CS-100-327	1/2" Assembly pliers to suit 1/2" system	1	£14.60	<b>£10.95</b>
CS-100-424	3/8" NPT Metal Ball Valve	1	£11.40	<b>£8.55</b>
CS-100-432	1/2" NPT Metal Ball Valve	1	£14.40	<b>£10.80</b>

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**Accessories**

**Magnetic Distributor Base**



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- Kit supplied complete with
- Magnetic Base
- Supply Hose Connector
- 1 x Blanking Plug
- 2 x 1/4" NPT Connectors
- 2 x 1/4" Y Connectors
- With this unit you can have 1-4 delivery hoses

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Order Code	Description/Size
<b>MC-0199</b>	Magnetic Base
List Price	<b>Offer Price</b>
£31.50	<b>£23.60</b>

**Kits**

**Linear-Loc Kits 1/4" & 1/2"**



SAVE  
**25%**

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**1209**

- 1/4" Kit Contents:
- Hose Length: 32"
- Connectors: 2 each 1/8" and 1/4" NPT (male)
- 1 x Y Piece Hose Connector
- Round Nozzles: 2 each, 1/16" 1/8", 1/4"
- 90 deg. Nozzles: 1 each, 1/16" 1/8", 1/4" & Spray Bar
- 1 x Flared Nozzle 1" wide
- 1 x Non-Return Valve
- 1 x Shut-off Valve 1/4" NPT (male)
- 1 x In-Line Shut-off Valve (ball and Cup)
- 1 x Assembly Pliers

Order Code	Description/Size
<b>CS-200-016</b>	1/4" Hose Kit
List Price	<b>Offer Price</b>
£88.00	<b>£66.00</b>

- 1/2" Kit Contents:
- Hose Length: 32"
- Connectors: 2 each 3/8" & 1/2" NPT
- 1 x Y Piece Hose Connector
- Round Nozzles: 2 each, 1/4", 3/8" and 1/2"
- 90 deg. Nozzles: 1 each, 1/4" 1/8", 1/2" & Spray Bar
- 1 x Flared Nozzle 1-1/4" wide
- 1 x Non-Return Valve
- 1 x Shut-off Valve 1/2" NPT (male)
- 1 x In-Line Shut-off Valve (ball and Cup):
- 1 x Assembly Pliers

SAVE  
**25%**

Order Code	Description/Size
<b>CS-200-032</b>	1/2" Hose Kit
List Price	<b>Offer Price</b>
£116.00	<b>£87.00</b>

# Shim Stock

- Available in individual lengths supplied in boxes or in an assorted pack.
- Thicknesses vary from 0.001" to 0.031" and 0.05mm to 0.80mm.
- Rockwell hardness: RB90-100.
- Meets ASTM A-109, AISI 1010.
- Approx. tensile strength: 80,000 p.s.i.
- Shim size is marked continuously along its length.
- Please refer to [www.lineartools.co.uk](http://www.lineartools.co.uk) for additional range of Precision Brand products available from stock.



SAVE  
25%

Steel Shim Rolls 6" x 100"				
Box Quantity: 1 Piece				
Order Code	Thick (inch)	Thick (mm)	Price PER BOX	Offer PER BOX
77-316-130	.001	.025	£29.00	£21.75
77-316-155	.0015	.038	£26.80	£20.10
77-316-195	.002	.051	£15.20	£11.40
77-316-215	.0025	.064	£16.40	£12.30
77-316-245	.003	.076	£19.40	£14.55
77-316-280	.004	.102	£18.20	£13.65
77-316-320	.005	.127	£17.00	£12.75
77-316-345	.006	.152	£16.40	£12.30
77-316-370	.007	.178	£17.60	£13.20
77-316-395	.008	.203	£16.80	£12.60
77-316-415	.009	.229	£19.00	£14.25
77-316-450	.010	.254	£18.20	£13.65
77-316-480	.012	.305	£17.80	£13.35
77-316-500	.0135	.343	£18.60	£13.95
77-316-530	.015	.381	£17.80	£13.35
77-316-550	.0165	.419	£19.40	£14.55
77-316-560	.018	.457	£19.20	£14.40
77-316-590	.020	.508	£21.40	£16.05
77-316-610	.022	.559	£20.20	£15.15
77-316-630	.025	.635	£20.40	£15.30
77-316-660	.031	.787	£24.00	£18.00

SAVE  
25%

Steel Shim Metric Rolls 150mm x 2.5m			
Box Quantity: 1 Piece			
Order Code	Thick (mm)	Price PER BOX	Offer PER BOX
77-316-971	.05	£18.20	£13.65
77-316-972	.10	£22.20	£16.65
77-316-973	.15	£19.40	£14.55
77-316-974	.20	£20.00	£15.00
77-316-975	.25	£21.20	£15.90
77-316-976	.30	£24.40	£18.30
77-316-977	.40	£25.80	£19.35
77-316-978	.50	£26.20	£19.65
77-316-979	.65	£28.00	£21.00
77-316-980	.80	£29.20	£21.90

Metric Assortment Pack 150mm x 300mm		
Description/Size 10 Piece 150mm x 300mm Assortment Pack		
Pack Contents(1 of each) 05mm, .10mm, .15mm, .20mm, .25mm, .30mm, .40mm, .50mm, .65mm, .80mm		
Order Code 77-316-999	Price EACH £88.60	Offer EACH £66.45

SAVE  
25%

Brass Shim Rolls 6" x 100"				
Box Quantity: 1 Piece				
Order Code	Thick (inch)	Thick (mm)	Price PER BOX	Offer PER BOX
77-517-135	.001	.025	£43.60	£32.70
77-517-160	.0015	.038	£46.00	£34.50
77-517-195	.002	.051	£45.20	£33.90
77-517-240	.003	.076	£46.40	£34.80
77-517-265	.004	.102	£49.20	£36.90
77-517-305	.005	.127	£51.20	£38.40
77-517-330	.006	.152	£52.80	£39.60
77-517-355	.007	.178	£57.20	£42.90
77-517-370	.008	.203	£58.20	£43.60
77-517-390	.009	.229	£63.00	£47.20
77-517-415	.010	.254	£67.80	£50.80
77-517-445	.012	.305	£76.00	£57.00
77-517-475	.015	.381	£86.00	£64.50
77-517-477	.018	.457	£100.80	£75.60
77-517-495	.020	.508	£95.60	£71.70
77-517-515	.025	.635	£114.00	£85.50
77-517-535	.031	.787	£138.40	£103.80

SAVE  
25%

Steel Shim Assortment Pack 6" x 12"		
Description/Size 12 Piece 6" x 12" Assortment Pack		
Pack Contents(1 of each) .001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012 & .015"		
Order Code 77-316-680	Price EACH £52.20	Offer EACH £39.15

SAVE  
25%

Brass Shim Assortment Pack 6" x 12"		
Description/Size 12 Piece 6" x 12" Assortment Pack		
Pack Contents(1 of each) .001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012 & .015"		
Order Code 77-517-545	Price EACH £89.00	Offer EACH £66.70

## Everything you need to know is right on the Shim!

Branded™ Shim from Precision Brand allows you to immediately identify your Shim Stock with precise accuracy. Whether you are in the field or on the shop floor, the specifications are always clearly marked right on the stock. With the thickness printed directly on the Shim, there is no need for a micrometer should your stock stray into the wrong bin or package.

# Shim Stock

- Available in individual lengths supplied in boxes or in an assorted pack.
- Thicknesses vary from 0.001" to 0.031" and 0.05mm to 0.80mm.
- Rockwell hardness: RB90-100.
- Meets ASTM A-109, AISI 1010.
- Approx. tensile strength: 80,000 p.s.i.
- Shim size is marked continuously along its length.
- Please refer to [www.lineartools.co.uk](http://www.lineartools.co.uk) for additional range of Precision Brand products available from stock.



**PRECISION BRAND**

Brass Metric Shim Rolls 150mm x 2.5m			
Box Quantity: 1 Piece			
Order Code	Thick (mm)	Price PER BOX	Offer PER BOX
77-517-971	.05	£44.80	£33.60
77-517-972	.10	£46.80	£35.10
77-517-973	.15	£49.60	£37.20
77-517-974	.20	£54.00	£40.50
77-517-975	.25	£64.40	£48.30
77-517-976	.30	£72.80	£54.60
77-517-977	.40	£80.60	£60.40
77-517-978	.50	£91.00	£68.20
77-517-979	.65	£108.00	£81.00
77-517-980	.80	£136.00	£102.00

SAVE 25%

Stainless Steel 302 Shim Rolls 6" x 50"				
Box Quantity: 1 Piece				
Order Code	Thick (inch)	Thick (mm)	Price PER BOX	Offer PER BOX
77-422-110	.0005	.013	£144.80	£108.60
77-422-125	.001	.025	£70.20	£52.65
77-422-126	.0015	.038	£63.00	£47.25
77-422-150	.002	.051	£43.40	£32.55
77-422-175	.003	.076	£41.40	£31.05
77-422-195	.004	.102	£41.00	£30.75
77-422-220	.005	.127	£46.40	£34.80
77-422-240	.006	.152	£46.80	£35.10
77-422-260	.007	.178	£49.60	£37.20
77-422-285	.008	.203	£49.00	£36.75
77-422-305	.009	.229	£57.80	£43.35
77-422-320	.010	.254	£53.80	£40.35
77-422-340	.012	.305	£58.60	£43.95
77-422-365	.015	.381	£57.80	£43.35
77-422-390	.020	.508	£67.80	£50.85
77-422-410	.025	.635	£79.60	£59.70
77-422-430	.031	.787	£95.20	£71.40

SAVE 25%

Stainless Steel 302 Metric Shim Rolls 150mm x 1.25m			
Box Quantity: 1 Piece			
Order Code	Thick (mm)	Price PER BOX	Offer PER BOX
77-422-971	.05	£46.80	£35.10
77-422-972	.10	£41.80	£31.35
77-422-973	.15	£46.80	£35.10
77-422-974	.20	£49.20	£36.90
77-422-975	.25	£51.20	£38.40
77-422-976	.30	£53.60	£40.20
77-422-977	.40	£58.20	£43.65
77-422-978	.50	£71.20	£53.40
77-422-979	.65	£84.20	£63.15
77-422-980	.80	£91.60	£68.70

SAVE 25%

Metric Assortment Pack 150mm x 300mm		
Description/Size 10 Piece 150mm x 300mm Assortment Pack		
Pack Contents(1 of each) 05mm, .10mm, .15mm, .20mm, .25mm, .30mm, .40mm, .50mm, .65mm, .80mm		
Order Code 77-517-999	Price EACH £142.00	Offer EACH £106.50

SAVE 25%

Stainless Steel 302 Shim Metric Assortment Pack 150mm x 300mm		
Description/Size 8 Piece 150mm x 300mm Metric Assortment Pack		
Pack Contents(1 of each) .05, .10, .15, .20, .25, .30, .40, .50mm,		
Order Code 77-422-161	Price EACH £142.60	Offer EACH £106.95

SAVE 25%

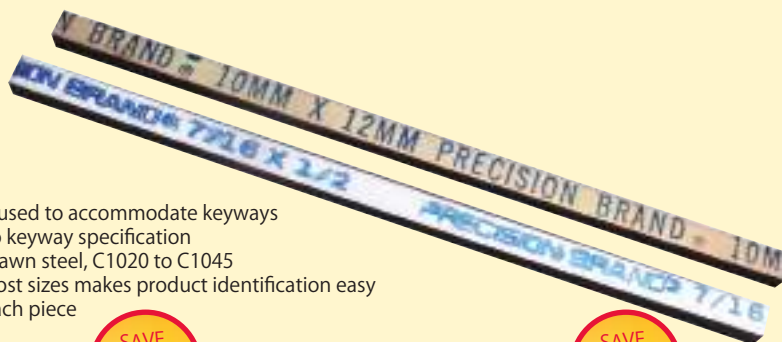
Stainless Steel 302 Shim Assortment Pack 6" x 12"		
Description/Size 8 Piece 6" x 12" Assortment Pack		
Pack Contents(1 of each) .001, .002, .003, .005, .008, .010, .015" & .020"		
Order Code 77-422-445	Price EACH £137.80	Offer EACH £103.40

SAVE 25%

## Everything you need to know is right on the Shim!

Branded™ Shim from Precision Brand allows you to immediately identify your Shim Stock with precise accuracy. Whether you are in the field or on the shop floor, the specifications are always clearly marked right on the stock. With the thickness printed directly on the Shim, there is no need for a micrometer should your stock stray into the wrong bin or package.

# Key Steel



- PRECISION BRAND Keystock is used to accommodate keyways
- True keystock that conforms to keyway specification
- Material is high quality, cold drawn steel, C1020 to C1045
- Gold dichromate plating on most sizes makes product identification easy
- Sizes are clearly stamped on each piece

## Keysteel Metric Square Gold Plated SAVE 25%

Size: 300mm Length

Order Code	Size (mm)	Bundle QTY	Price Per BUNDLE	Offer Per BUNDLE
80-604-005	3.0	6	£42.00	£31.50
80-604-010	4.0	6	£21.72	£16.30
80-604-015	5.0	6	£28.50	£19.98
80-604-020	6.0	6	£31.32	£23.50
80-604-025	7.0	6	£39.96	£29.96
80-604-030	8.0	6	£44.88	£33.66
80-604-035	10.0	4	£38.80	£29.10
80-604-040	12.0	4	£47.04	£32.92
80-604-045	14.0	4	£53.20	£39.90
80-604-050	16.0	4	£75.20	£56.40
80-604-055	18.0	4	£99.20	£74.40
80-604-060	20.0	1	£49.80	£37.30
80-604-065	22.0	1	£53.60	£40.20
80-604-070	25.0	1	£66.40	£49.80

## Keysteel Metric Rectangle Gold Plated SAVE 25%

Size: 300mm Length

Order Code	Size (mm)	Bundle QTY	Price Per BUNDLE	Offer Per BUNDLE
80-605-000	8 x 5	6	£60.84	£45.64
80-605-005	10 x 6	6	£69.12	£51.84
80-605-010	12 x 6	6	£56.76	£42.57
80-605-015	14 x 6	6	£91.68	£68.76
80-605-020	8 x 7	6	£43.32	£32.48
80-605-025	16 x 7	6	£108.60	£81.44
80-605-030	18 x 7	6	£120.60	£90.45
80-605-035	10 x 8	6	£55.92	£41.94
80-605-040	12 x 8	6	£93.30	£70.00
80-605-045	20 x 8	6	£135.60	£101.70
80-605-050	14 x 9	6	£75.00	£56.20
80-605-055	22 x 9	6	£141.60	£106.20
80-605-060	12 x 10	4	£74.80	£56.10
80-605-065	16 x 10	4	£95.60	£71.70
80-605-070	18 x 11	4	£113.60	£85.20
80-605-075	20 x 12	4	£129.60	£97.20
80-605-080	22 x 14	4	£166.00	£124.50
80-605-085	25 x 14	4	£189.20	£141.90
80-605-090	28 x 16	4	£237.60	£178.20
80-605-095	32 x 18	4	£306.00	£229.50
80-605-120	25 x 22	1	£97.60	£73.20
80-605-105	40 x 22	1	£99.80	£74.85
80-605-125	28 x 25	1	£102.60	£77.00

## Keysteel Square Zinc Plated SAVE 25%

Size: 12" Length

Order Code	Size (inch)	Bundle QTY	Price Per BUNDLE	Offer Per BUNDLE
80-614-125	3/32	10	£78.00	£58.50
80-614-150	1/8	10	£29.00	£21.75
80-614-175	5/32	10	£34.60	£25.95
80-614-200	3/16	6	£20.16	£15.12
80-614-225	7/32	6	£21.96	£16.47
80-614-250	1/4	6	£25.68	£19.26
80-614-275	9/32	6	£26.40	£19.80
80-614-300	5/16	6	£30.48	£22.86
80-614-325	3/8	6	£41.76	£31.32
80-614-350	7/16	4	£36.64	£27.48
80-614-375	1/2	4	£40.00	£30.00
80-614-400	9/16	4	£65.44	£49.08
80-614-425	5/8	4	£63.04	£47.28
80-614-430	11/16	4	£77.44	£58.08
80-614-450	3/4	4	£85.76	£64.32
80-614-460	13/16	4	£95.40	£71.55
80-614-475	7/8	4	£116.20	£87.15
80-614-500	1	4	£139.68	£104.76
80-614-525	1-1/8	2	£168.80	£126.60
80-614-550	1-3/16	2	£124.20	£93.15
80-614-575	1-1/4	2	£147.60	£110.70
80-614-600	1-3/8	2	£159.20	£119.40
80-614-625	1-1/2	2	£189.00	£141.75
80-614-635	1-5/8	1	£194.40	£145.80
80-614-650	1-3/4	1	£129.60	£97.20
80-614-655	1-7/8	1	£283.00	£212.25
80-614-675	2	1	£184.00	£138.00

### 300mm Square Gold Plated Assorted Pack

Pack Contents  
(6 of each) 4, 5, 6 & 8mm  
(4 of each) 10 & 12mm

Order Code	Price EACH	Offer EACH
80-604-680	£148.40	£111.30

### 12" Square Zinc Plated Assorted Pack

Pack Contents  
6 x 3/16, 1/4 & 5/16"  
4 x 7/16 & 1/2"

Order Code	Price EACH	Offer EACH
80-614-680	£106.20	£79.65

## SPECIAL PROMOTION

### TruPunch Punch & Die Set

- PRECISION BRAND TruPunch® makes perfect, custom washers, shims and gaskets in seconds
- Eliminates time and material wasted with conventional punch & dies
- No guess work needed to center the I.D.
- No need to scribe center lines
- Exclusive, patented punch, pilot and pin system
- Packaged in a durable plastic case
- Nine punch sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4"
- Eight I.D. sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8"
- Cuts steel, brass, copper, aluminum, rubber and plastic effortlessly up to .025" thick
- Cuts stainless & blue tempered shim upto .010" thick
- Complete with FREE Steel Shim Assortment Pack 77-316-680 worth £49.00



FREE  
ASSORTMENT  
PACK

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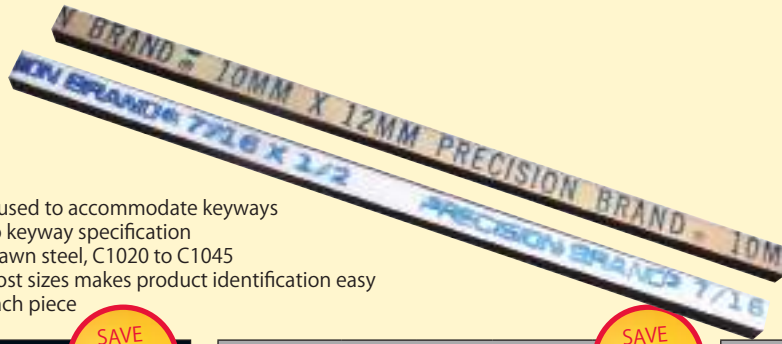
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Order Code	Description/Size
77-040-110	TruPunch Set
List Price	Offer Price
£366.00	£278.20



SAVE  
24%

# Key Steel



- PRECISION BRAND Keystock is used to accommodate keyways
- True keystock that conforms to keyway specification
- Material is high quality, cold drawn steel, C1020 to C1045
- Gold dichromate plating on most sizes makes product identification easy
- Sizes are clearly stamped on each piece

## Keysteel Rectangle Zinc Plated

SAVE 25%

Size: 12" Length Bundle Qty:6

Order Code	Size (W x T)	Price Per Bundle	Offer Per Bundle
80-615-125	1/8 x 3/16	£20.88	£15.66
80-615-150	1/8 x 1/4	£26.40	£19.80
80-615-175	1/8 x 3/8	£29.04	£21.78
80-615-200	3/16 x 1/4	£29.04	£21.78
80-615-225	3/16 x 5/16	£37.20	£27.90
80-615-250	3/16 x 3/8	£38.40	£28.80
80-615-275	3/16 x 1/2	£43.92	£32.94
80-615-300	1/4 x 5/16	£37.80	£28.35
80-615-325	1/4 x 3/8	£42.00	£31.50
80-615-350	1/4 x 1/2	£57.00	£42.75
80-615-375	5/16 x 3/8	£46.08	£34.56
80-615-385	5/16 x 7/16	£47.28	£35.46
80-615-400	5/16 x 1/2	£57.36	£43.02
80-615-425	5/16 x 5/8	£61.68	£46.26
80-615-445	3/8 x 7/16	£54.96	£41.22
80-615-475	3/8 x 5/8	£89.76	£67.32
80-615-500	3/8 x 3/4	£99.84	£74.88
80-615-515	7/16 x 1/2	£91.68	£68.76
80-615-510	7/16 x 5/8	£89.76	£67.32
80-615-520	1/2 x 9/16	£97.20	£72.90
80-615-525	1/2 x 5/8	£105.12	£78.84
80-615-550	1/2 x 3/4	£121.92	£91.44
80-615-555	1/2 x 7/8	£134.88	£101.16
80-615-570	9/16 x 1	£168.96	£126.72

Size: 12" Length Bundle Qty: 4

80-615-575	5/8 x 3/4	£85.60	£64.20
80-615-585	5/8 x 7/8	£105.60	£79.20
80-615-600	5/8 x 1	£160.60	£120.45
80-615-625	3/4 x 1	£171.20	£128.40
80-615-635	3/4 x 1-1/4	£171.20	£128.40
80-615-645	7/8 x 1	£171.20	£128.40
80-615-655	7/8 x 1-1/4	£199.60	£149.70
80-615-665	1 x 1-1/4	£215.20	£161.40
80-615-675	1 x 1-1/2	£230.00	£172.50

## Stainless Steel Square Key Steel

SAVE 25%

Size: 300mm Length Bundle Qty:1

Order Code	Size (mm)	Length (mm)	Price Per BUNDLE	Offer Per BUNDLE
80-604-800	4.0	300	£8.60	£6.45
80-604-801	5.0	300	£13.32	£9.99
80-604-802	6.0	300	£18.80	£14.10
80-604-803	7.0	300	£24.88	£18.66
80-604-804	8.0	300	£33.60	£25.20
80-604-805	12.0	300	£69.80	£52.35
80-604-806	25.0	300	£292.00	£219.00
80-604-807	14.0	300	£94.40	£70.80

## Stainless Steel Rectangular Key Steel

Size: 300mm Length Bundle Qty:1

Order Code	Size (mm)	Length (mm)	Price Per BUNDLE	Offer Per BUNDLE
80-605-801	7 x 8	300	£24.80	£18.60
80-605-802	8 x 10	300	£43.60	£32.70
80-605-803	8 x 12	300	£52.80	£39.60
80-605-804	9 x 14	300	£68.80	£51.60
80-605-805	10 x 12	300	£48.40	£36.30

## Stainless Steel Square Key Steel

Size: 12" Length Bundle Qty:1

Order Code	Size (inch)	Size (mm)	Price Per BUNDLE	Offer Per BUNDLE
80-657-501	1/8	3.18	£4.56	£3.42
80-657-502	3/16	4.76	£6.04	£4.53
80-657-503	1/4	6.35	£9.56	£7.17
80-657-504	5/16	7.94	£13.84	£10.38
80-657-505	3/8	9.53	£18.88	£14.16
80-657-506	7/16	11.11	£34.40	£25.80
80-657-507	1/2	12.70	£34.40	£25.80
80-657-508	5/8	15.88	£52.60	£39.45
80-657-509	3/4	19.05	£69.00	£51.75
80-657-510	7/8	22.23	£110.00	£82.50
80-657-511	1	25.40	£138.00	£103.50

## SPECIAL PROMOTION

### Punch & Die Set

FREE ASSORTMENT PACK

- Traditional style punch & die set
- Economical way to make washers, shims and gaskets
- Cut steel, brass, copper, aluminium, rubber & plastic up to .025" thick
- Cut stainless & blue tempered shim up to .010" thick
- Packaged in durable plastic case
- The base and punches are made of a hardened and ground A-2 tool steel
- Clear plastic top plate is marked with accurate center lines
- Mark center lines, align with center lines and hit with hammer
- Nine punch sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4"
- Complete with FREE Steel Shim Assortment Pack 77-316-680 worth £49.00



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SAVE 24%



Order Code 77-040-105	Description/Size Punch & Die Set
List Price £206.00	Offer Price £156.60



# Steel Feeler Gauges



- PRECISION BRAND Feeler Gauge is made from 1/2" wide spring steel stock, close grain C1095 high carbon steel
- Hardened and tempered to RC 48-62
- Thicknesses are clearly etched every 6" in decimal and metric
- Feeler Gauge stock is packaged in 12" flat lengths, 25 feet coils and in convenient assortments

12" Length Steel Feeler Gauge Strip				
Size: 1/2" x 12"				
Box Quantity: 12 Pieces				
Order Code	Thick (in)	Thick (mm)	Price PER BOX	Offer PER BOX
77-119-120	.001	.025	£32.80	£24.60
77-119-145	.0015	.038	£26.20	£19.65
77-119-170	.002	.064	£26.20	£19.65
77-119-185	.0025	.064	£26.20	£19.65
77-119-210	.003	.076	£26.20	£19.65
77-119-235	.004	.102	£26.20	£19.65
77-119-260	.005	.127	£23.60	£17.70
77-119-285	.006	.152	£23.60	£17.70
77-119-310	.007	.178	£23.60	£17.70
77-119-335	.008	.203	£23.60	£17.70
77-119-360	.009	.229	£23.60	£17.70
77-119-385	.010	.254	£23.60	£17.70
77-119-400	.011	.330	£23.60	£17.70
77-119-425	.012	.305	£23.60	£17.70
77-119-440	.013	.330	£23.60	£17.70
77-119-465	.014	.356	£23.60	£17.70
77-119-490	.015	.381	£23.60	£17.70
77-119-515	.016	.406	£23.60	£17.70
77-119-530	.017	.432	£23.60	£17.70
77-119-555	.018	.457	£23.60	£17.70
77-119-570	.019	.483	£23.60	£17.70
77-119-595	.020	.508	£23.60	£17.70
77-119-610	.021	.533	£23.60	£17.70
77-119-635	.022	.559	£23.60	£17.70
77-119-650	.023	.584	£23.60	£17.70
77-119-675	.024	.610	£23.60	£17.70
77-119-700	.025	.635	£23.60	£17.70
77-119-715	.028	.711	£26.20	£19.65
77-119-730	.030	.762	£26.20	£19.65
77-119-745	.031	.787	£26.20	£19.65
77-119-760	.032	.813	£26.20	£19.65
77-119-775	.034	.864	£26.20	£19.65
77-119-790	.040	1.016	£26.20	£19.65

25' Length Steel Feeler Gauge Coils				
Size: 1/2" x 25'				
Box Quantity: 1 Piece				
Order Code	Thick (in)	Thick (mm)	Price PER BOX	Offer PER BOX
77-119-125	.001	.025	£67.80	£50.80
77-119-150	.0015	.038	£45.80	£34.35
77-119-175	.002	.064	£45.80	£34.35
77-119-190	.0025	.076	£45.80	£34.35
77-119-215	.003	.102	£45.80	£34.35

Order Code	Thick (in)	Thick (mm)	Price PER BOX	Offer PER BOX
77-119-240	.004	.102	£41.60	£31.20
77-119-265	.005	.127	£41.60	£31.20
77-119-290	.006	.178	£41.60	£31.20
77-119-315	.007	.203	£41.60	£31.20
77-119-340	.008	.203	£41.60	£31.20
77-119-365	.009	.229	£35.00	£26.25
77-119-390	.010	.254	£35.00	£26.25
77-119-405	.011	.279	£35.00	£26.25
77-119-430	.012	.305	£35.00	£26.25
77-119-445	.013	.330	£35.00	£26.25
77-119-470	.014	.356	£35.00	£26.25
77-119-495	.015	.381	£35.00	£26.25
77-119-520	.016	.406	£35.00	£26.25
77-119-535	.017	.432	£35.00	£26.25
77-119-560	.018	.457	£35.00	£26.25
77-119-575	.019	.483	£35.00	£26.25
77-119-600	.020	.508	£35.00	£26.25
77-119-615	.021	.533	£35.00	£26.25
77-119-640	.022	.559	£35.00	£26.25
77-119-655	.023	.584	£41.20	£30.90
77-119-680	.024	.610	£41.20	£30.90
77-119-705	.025	.635	£41.20	£30.90
77-119-720	.028	.711	£43.60	£32.70
77-119-735	.030	.762	£46.00	£34.50
77-119-750	.031	.787	£48.00	£36.00
77-119-765	.032	.813	£49.20	£36.90
77-119-780	.032	.864	£52.40	£39.30

12.7mm Steel Feeler Gauge Strip			
Size: 12.7mm x 305mm			
Box Quantity: 12 Pieces			
Order Code	Thick (in)	Price PER BOX	Offer PER BOX
79-109-202	0.02	£39.20	£29.40
79-109-203	0.03	£32.80	£24.60
79-109-204	0.04	£32.80	£24.60
79-109-205	0.05	£32.80	£24.60
79-109-206	0.06	£32.80	£24.60
79-109-207	0.07	£32.80	£24.60
79-109-208	0.08	£32.80	£24.60
79-109-209	0.09	£32.80	£24.60
79-109-210	0.10	£32.80	£24.60
79-109-215	0.15	£29.40	£22.00
79-109-220	0.20	£29.40	£22.00
79-109-225	0.25	£29.40	£22.00
79-109-230	0.30	£29.40	£22.00
79-109-235	0.35	£29.40	£22.00

Order Code	Thick (in)	Price PER BOX	Offer PER BOX
79-109-240	0.40	£29.40	£22.00
79-109-245	0.45	£29.40	£22.00
79-109-250	0.50	£29.40	£22.00
79-109-255	0.55	£29.40	£22.00
79-109-260	0.60	£32.80	£24.60
79-109-265	0.65	£32.80	£24.60
79-109-270	0.70	£32.80	£24.60
79-109-275	0.75	£32.80	£24.60
79-109-280	0.80	£35.00	£26.20
79-109-285	0.85	£35.00	£26.20
79-109-290	0.90	£37.20	£27.80
79-109-295	0.95	£37.20	£27.80
79-109-300	1.00	£43.60	£32.80

7.6 Metre Steel Feeler Gauge Coils			
Size: 12.7mm x 7.6m			
Box Quantity: 1 Piece			
Order Code	Thickness (metric)	Price PER BOX	Offer PER BOX
79-109-102	0.02	£63.20	£47.40
79-109-103	0.03	£59.00	£44.20
79-109-104	0.04	£41.60	£31.20
79-109-105	0.05	£45.80	£34.30
79-109-106	0.06	£39.40	£29.50
79-109-107	0.07	£43.60	£32.70
79-109-108	0.08	£43.60	£32.70
79-109-109	0.09	£43.60	£32.70
79-109-110	0.10	£35.00	£26.20
79-109-115	0.15	£35.00	£26.20
79-109-120	0.20	£28.40	£21.30
79-109-125	0.25	£45.80	£34.30
79-109-130	0.30	£45.80	£34.30
79-109-135	0.35	£45.80	£34.30
79-109-140	0.40	£45.80	£34.30
79-109-145	0.45	£45.80	£34.30
79-109-150	0.50	£45.80	£34.30
79-109-155	0.55	£45.80	£34.30
79-109-160	0.60	£45.80	£34.30
79-109-165	0.65	£45.80	£34.30
79-109-170	0.70	£48.00	£36.00
79-109-175	0.75	£48.00	£36.00
79-109-180	0.80	£50.20	£37.60
79-109-185	0.85	£54.60	£41.00
79-109-190	0.90	£56.60	£42.40
79-109-195	0.95	£56.60	£42.40
79-109-200	1.00	£61.20	£45.90

# Slotted Shim



• P.B. Slotted Shim is the best way to solve alignment & leveling problems on motors, pumps, generators & other plant machinery



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Stainless Steel Slotted Shim				
Size: 50mm x 50mm				
Box Quantity: 10 Pieces (Size above 2.000 comes in two boxes)				
Order Code	Thickness (mm)	Slot Size	Price PER BOX	Offer PER BOX
90-881-205	0.025	16	£23.40	£17.60
90-881-210	0.050	16	£23.40	£17.60
90-881-215	0.100	16	£23.40	£17.60
90-881-220	0.200	16	£23.40	£17.60
90-881-225	0.250	16	£23.40	£17.60
90-881-230	0.400	16	£23.40	£17.60
90-881-235	0.500	16	£26.20	£19.70
90-881-240	0.700	16	£26.20	£19.70
90-881-245	1.000	16	£28.00	£21.00
90-881-250	2.000	16	£31.60	£23.70

SAVE 25%

Stainless Steel Slotted Shim Assortment Pack 50mm x 50mm		
Pack Contents(10 of each) 0.025, 0.05, 0.1, 0.2, 0.25, 0.4, 0.5, 0.7, 1.0 & 2.0mm		
Order Code	Price EACH	OFFER EACH
90-881-945	£164.80	£123.60

Stainless Steel Slotted Shim				
Size: 100mm x 100mm				
Box Quantity: 10 Pieces (Size above 2.000 comes in two boxes)				
Order Code	Thickness (mm)	Slot Size	Price PER BOX	Offer PER BOX
90-881-405	0.025	16	£37.00	£27.80
90-881-410	0.050	16	£37.00	£27.80
90-881-415	0.100	16	£37.00	£27.80
90-881-420	0.200	16	£37.00	£27.80
90-881-425	0.250	16	£37.00	£27.80
90-881-430	0.400	16	£37.00	£27.80
90-881-435	0.500	16	£40.20	£30.20
90-881-440	0.700	16	£40.20	£30.20
90-881-445	1.000	16	£49.40	£37.10
90-881-450	2.000	16	£68.60	£51.40

SAVE 25%

Stainless Steel Slotted Shim Assortment Pack 100mm x 100mm		
Pack Contents(10 of each) 0.025, 0.05, 0.1, 0.2, 0.25, 0.4, 0.5, 0.7, 1.0 & 2.0mm		
Order Code	Price EACH	OFFER EACH
90-881-965	£372.00	£279.00

Stainless Steel Slotted Shim				
Size: 75mm x 75mm				
Box Quantity: 10 Pieces (Size above 2.000 comes in two boxes)				
Order Code	Thickness (mm)	Slot Size	Price PER BOX	Offer PER BOX
90-881-305	0.025	22	£28.00	£21.00
90-881-310	0.050	22	£28.00	£21.00
90-881-315	0.100	22	£28.00	£21.00
90-881-320	0.200	22	£28.00	£21.00
90-881-325	0.250	22	£28.00	£21.00
90-881-330	0.400	22	£28.00	£21.00
90-881-335	0.500	22	£28.00	£21.00
90-881-340	0.700	22	£28.00	£21.00
90-881-345	1.000	22	£35.20	£26.40
90-881-350	2.000	22	£46.80	£35.10

SAVE 25%

Stainless Steel Slotted Shim Assortment Pack 75mm x 75mm		
Pack Contents(10 of each) 0.025, 0.05, 0.1, 0.2, 0.25, 0.4, 0.5, 0.7, 1.0 & 2.0mm		
Order Code	Price EACH	OFFER EACH
90-881-955	£241.20	£180.90

Stainless Steel Slotted Shim				
Size: 125mm x 125mm				
Box Quantity: 10 Pieces (Size above 2.000 comes in two boxes)				
Order Code	Thickness (mm)	Slot Size	Price PER BOX	Offer PER BOX
90-881-505	0.025	22	£49.60	£37.20
90-881-510	0.050	22	£49.60	£37.20
90-881-515	0.100	22	£49.60	£37.20
90-881-520	0.200	22	£49.60	£37.20
90-881-525	0.250	22	£49.60	£37.20
90-881-530	0.400	22	£49.60	£37.20
90-881-535	0.500	22	£56.80	£42.60
90-881-540	0.700	22	£56.80	£42.60
90-881-545	1.000	22	£75.80	£56.80
90-881-550	2.000	22	£108.00	£81.00

SAVE 25%

Stainless Steel Slotted Shim Assortment Pack 125mm x 125mm		
Pack Contents(10 of each) 0.025, 0.05, 0.1, 0.2, 0.25, 0.4, 0.5, 0.7, 1.0 & 2.0mm		
Order Code	Price EACH	OFFER EACH
90-881-975	£650.00	£487.50

### HSS Square Toolbits M2 ISO 5421

SAVE  
55%



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1053



**TECHNICAL:**

Provide a good general purpose ground tool bit that shows exceptional cutting results on mild steel, alloys and tool steels, These tool bits make superior finishing tools.

M2 ISO 5421				
Order Code	Diameter (Inch)	Pack Qty	Price EACH	Offer EACH
29-002-660	3/16 x 2	10	£3.90	£1.75
29-002-661	3/16 x 2-1/2	10	£5.20	£2.35
29-002-662	1/4 x 2-1/2	10	£8.10	£3.65
29-002-664	1/4 x 4	10	£12.00	£5.40
29-002-665	5/16 x 2-1/2	10	£10.20	£4.60
29-002-666	5/16 x 3	5	£12.50	£5.60
29-002-667	5/16 x 4	5	£15.80	£7.10
29-002-668	3/8 x 3	5	£15.80	£7.10
29-002-669	3/8 x 4	5	£20.20	£9.10
29-002-670	1/2 x 4	1	£28.40	£12.80
29-002-671	1/2 x 6	1	£43.30	£19.50
29-002-673	5/8 x 6	1	£60.20	£27.10
29-002-674	3/4 x 6	1	£83.60	£37.60
29-002-676	3/8 x 6	1	£26.10	£11.75

### HSS Square Toolbits M42 ISO 5421 with 8% Cobalt Content

SAVE  
55%



CLICK FOR  
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1053



**TECHNICAL:**

Provide a good general purpose ground tool bit that shows exceptional cutting results on mild steel, alloys and tool steels, These tool bits make superior finishing tools.

M2 ISO 5421				
Order Code	Diameter (Inch)	Pack Qty	Price EACH	Offer EACH
29-042-716	3/16 x 3	10	£13.00	£5.85
29-042-720	3/16 x 2	10	£9.10	£4.10
29-042-721	3/16 x 2-1/2	10	£10.50	£4.70
29-042-722	1/4 x 2-1/2	10	£13.60	£6.10
29-042-723	1/4 x 3	10	£15.70	£7.10
29-042-724	1/4 x 4	10	£19.90	£9.00
29-042-725	5/16 x 2-1/2	10	£17.00	£7.65
29-042-726	5/16 x 3	5	£20.90	£9.40
29-042-727	5/16 x 4	5	£27.60	£12.40
29-042-728	3/8 x 3	5	£27.60	£12.40
29-042-729	3/8 x 4	5	£36.40	£16.40
29-042-730	1/2 x 4	1	£60.20	£27.10
29-042-731	1/2 x 6	1	£89.00	£40.05
29-042-732	5/8 x 4	1	£91.50	£41.20
29-042-733	5/8 x 6	1	£133.00	£59.85
29-042-734	3/4 x 6	1	£186.00	£83.70
29-042-735	3/8 x 6	1	£54.60	£24.60
29-042-738	1/2 x 3	1	£45.30	£20.40

### HSS Round Toolbits M2 ISO 5421

SAVE  
55%



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1240



**TECHNICAL:**

Provide a good general purpose ground tool bit that shows exceptional cutting results on mild steel, alloys and tool steels, These tool bits make superior finishing tools.

M2 ISO 5421				
Order Code	Diameter (Inch)	Pack Qty	Price EACH	Offer EACH
29-003-382	3/16 x 2-1/2	10	£5.20	£2.35
29-003-383	1/4 x 2-1/2	10	£6.60	£3.00
29-003-384	1/4 x 4	10	£10.50	£4.70
29-003-385	5/16 x 4	5	£15.90	£7.15
29-003-386	3/8 x 3	5	£13.00	£5.85
29-003-387	1/2 x 4	1	£26.30	£11.80
29-003-389	3/8 x 4	1	£17.30	£7.80

### HSS Round Toolbits M42 ISO 5421 with 8% Cobalt Content

SAVE  
55%



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1240



**TECHNICAL:**

Provide a good general purpose ground tool bit that shows exceptional cutting results on mild steel, alloys and tool steels, These tool bits make superior finishing tools.

M2 ISO 5421				
Order Code	Diameter (Inch)	Pack Qty	Price EACH	Offer EACH
29-042-829	3/16 x 3-1/2	10	£16.40	£7.40
29-042-831	1/8 x 3	10	£12.60	£5.70
29-042-832	3/16 x 3-1/2	10	£14.30	£6.40
29-042-833	1/4 x 2-1/2	10	£13.70	£6.20
29-042-834	1/4 x 4	10	£20.30	£9.10
29-042-835	5/16 x 4	5	£32.70	£14.70
29-042-836	3/8 x 3	5	£24.00	£10.80
29-042-837	1/2 x 4	1	£48.90	£22.00



**Stub Drills Fully Ground  
HSS M2: DIN 338/BS 328  
cont.**



**Stub Drills Fully Ground Cobalt  
HSS-Co: DIN 1897**



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IMPERIAL BS 328				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
Pack Quantity: 10 Pieces				
20-935-903	3/64	30.0	£34.40	£8.60
20-935-904	1/16	34.0	£26.50	£6.60
20-935-905	5/64	38.0	£27.40	£6.90
20-935-906	3/32	43.0	£24.00	£6.00
20-935-907	7/64	46.0	£24.00	£6.00
20-935-908	1/8	46.0	£26.00	£6.50
20-935-909	9/64	52.0	£29.00	£7.20
20-935-910	5/32	55.0	£33.00	£8.30
20-935-911	11/64	58.0	£38.50	£9.60
20-935-912	3/16	62.0	£38.50	£9.60
20-935-913	13/64	62.0	£42.60	£11.80
20-935-914	7/32	66.0	£51.40	£14.00
20-935-915	15/64	66.0	£60.00	£15.00
20-935-916	1/4	70.0	£63.40	£16.00
20-935-917	17/64	74.0	£71.20	£18.00
20-935-918	9/32	74.0	£71.20	£18.00
20-935-919	19/64	79.0	£84.80	£23.00
20-935-920	5/16	79.0	£84.80	£23.00
20-935-921	21/64	79.0	£118.80	£33.00
Pack Quantity: 5 Pieces				
20-935-922	11/32	84.0	£118.80	£30.60
20-935-923	23/64	84.0	£144.80	£37.00
20-935-924	3/8	89.0	£144.80	£37.00
20-935-925	25/64	89.0	£148.20	£41.00
20-935-926	13/32	89.0	£148.20	£41.00
20-935-927	27/64	95.0	£202.80	£56.00
20-935-928	7/16	95.0	£205.00	£56.80
20-935-929	29/64	95.0	£230.00	£60.00
20-935-930	15/32	102.0	£230.00	£60.00
20-935-931	31/64	102.0	£236.00	£66.00
20-935-932	1/2	102.0	£236.00	£66.00
Pack Quantity: 1 Piece				
			EACH	EACH
20-935-934	17/32	107.0	£42.60	£10.60
20-935-936	9/16	111.0	£44.60	£11.80
20-935-940	5/8	115.0	£41.80	£11.80
20-935-942	21/32	119.0	£66.60	£16.80
20-935-944	11/16	123.0	£68.00	£18.00
20-935-946	23/32	127.0	£76.60	£21.50
20-935-948	3/4	131.0	£70.40	£19.80
20-935-952	13/16	136.0	£73.00	£20.50
20-935-956	7/8	141.0	£90.20	£25.30
20-935-960	15/16	151.0	£121.00	£33.90
20-935-964	1	156.0	£133.40	£37.40

METRIC DIN 340				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
Pack Quantity: 10 Pieces				
20-972-010	1.0	26.0	£66.00	£17.80
20-972-015	1.5	32.0	£56.00	£15.10
20-972-020	2.0	38.0	£45.00	£12.20
20-972-025	2.5	43.0	£50.00	£13.50
20-972-030	3.0	46.0	£50.00	£13.50
20-972-032	3.2	49.0	£68.00	£18.40
20-972-033	3.3	49.0	£55.40	£15.00
20-972-035	3.5	52.0	£58.00	£15.70
20-972-040	4.0	55.0	£65.40	£17.70

METRIC DIN 340				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
20-972-042	4.2	55.0	£76.60	£20.70
20-972-045	4.5	58.0	£78.60	£21.20
20-972-050	5.0	62.0	£81.00	£22.00
20-972-060	6.0	66.0	£100.00	£28.00
20-972-068	6.8	74.0	£182.00	£53.00
20-972-070	7.0	74.0	£145.00	£42.00
20-972-080	8.0	79.0	£176.00	£51.00
Pack Quantity: 5 Pieces				
20-972-090	9.0	84.0	£224.00	£65.00
20-972-100	10.0	89.0	£280.00	£81.00

**Technical**

HSS Co	M	DIN 1897	BS 328
ISO 235	RH	135°	Bronze Finish

**APPLICATION:**

Suitable for drilling high tensile strength and tough materials, on CNC and automatic machines where greater heat is generated.

**TECHNICAL:**

- Cobalt Fully Ground HSS-Co
- Bronze finish M35 Stub Drills
- Manufactured to DIN 1897RN/BS 328/ISO 235
- Material HSS 5% Cobalt
- 135 degree split point
- Right hand spiral, standard helix

**Spotting Drills Fully Ground  
HSS M2: DIN1897**



METRIC DIN 1897				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
Pack Quantity: 1 Piece				
20-929-031	3	46	£17.60	£3.90
20-929-041	4	55	£17.60	£3.90
20-929-051	5	62	£18.60	£4.00
20-929-061	6	66	£20.10	£4.20
20-929-081	8	79	£31.90	£6.90
20-929-101	10	89	£36.40	£7.90
20-929-121	12	102	£53.40	£11.50
20-929-161	16	115	£69.60	£15.00
20-929-201	20	131	£116.00	£25.80

**APPLICATION:**

For accurate positioning of holes, eliminates the need for centre drilling

**TECHNICAL:**

- Fully Ground HSS M2 Spotting Drills
- Overall length to DIN 1897/BS 328
- 90 degree point
- Right hand spiral, standard helix

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**Technical**

HSS	M	DIN 1897	BS 328
	RH	90°	Silver Finish

**SAVE UPTO 78%**



METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
<b>Pack Quantity: 5 Pieces</b>				
20-100-086	8.6	125.0	£89.40	<b>£25.10</b>
20-100-087	8.7	125.0	£92.10	<b>£25.80</b>
20-100-088	8.8	125.0	£88.60	<b>£24.90</b>
20-100-089	8.9	125.0	£94.60	<b>£26.50</b>
20-100-090	9.0	125.0	£87.60	<b>£24.50</b>
20-100-091	9.1	125.0	£94.60	<b>£26.50</b>
20-100-092	9.2	125.0	£100.60	<b>£28.20</b>
20-100-093	9.3	125.0	£97.10	<b>£27.20</b>
20-100-094	9.4	125.0	£101.40	<b>£28.40</b>
20-100-095	9.5	125.0	£95.00	<b>£26.60</b>
20-100-096	9.6	133.0	£104.10	<b>£29.20</b>
20-100-097	9.7	133.0	£108.50	<b>£30.40</b>
20-100-0975	9.75	133.0	£149.00	<b>£41.70</b>
20-100-098	9.8	133.0	£109.50	<b>£30.70</b>
20-100-099	9.9	133.0	£112.00	<b>£31.40</b>
20-100-100	10.0	133.0	£103.90	<b>£29.10</b>
20-100-101	10.1	133.0	£137.00	<b>£38.40</b>
20-100-102	10.2	133.0	£132.10	<b>£37.00</b>
20-100-103	10.3	133.0	£137.20	<b>£38.40</b>
20-100-104	10.4	133.0	£147.80	<b>£41.40</b>
20-100-105	10.5	133.0	£134.10	<b>£37.50</b>
20-100-106	10.6	133.0	£153.20	<b>£42.90</b>
20-100-107	10.7	142.0	£175.30	<b>£49.10</b>
20-100-108	10.8	142.0	£164.60	<b>£46.10</b>
20-100-109	10.9	142.0	£156.30	<b>£43.80</b>
20-100-110	11.0	142.0	£154.20	<b>£43.20</b>
20-100-111	11.1	142.0	£179.70	<b>£50.30</b>
20-100-112	11.2	142.0	£185.90	<b>£52.10</b>
20-100-113	11.3	142.0	£191.30	<b>£53.60</b>
20-100-114	11.4	142.0	£187.00	<b>£52.30</b>
20-100-115	11.5	142.0	£164.60	<b>£46.10</b>
20-100-116	11.6	142.0	£205.00	<b>£57.40</b>
20-100-117	11.7	142.0	£203.00	<b>£56.80</b>
20-100-1175	11.75	142.0	£227.00	<b>£63.60</b>
20-100-118	11.8	142.0	£207.00	<b>£58.00</b>
20-100-119	11.9	151.0	£228.00	<b>£63.80</b>
20-100-120	12.0	151.0	£179.30	<b>£50.20</b>
20-100-121	12.1	151.0	£250.50	<b>£70.10</b>
20-100-122	12.2	151.0	£250.50	<b>£70.10</b>
20-100-123	12.3	151.0	£250.50	<b>£70.10</b>
20-100-124	12.4	151.0	£251.50	<b>£70.40</b>
20-100-125	12.5	151.0	£195.40	<b>£54.70</b>
20-100-126	12.6	151.0	£277.00	<b>£77.60</b>
20-100-127	12.7	151.0	£202.00	<b>£56.60</b>
20-100-1275	12.75	151.0	£277.00	<b>£77.60</b>
20-100-128	12.8	151.0	£277.00	<b>£77.60</b>
20-100-129	12.9	151.0	£283.60	<b>£79.40</b>
20-100-130	13.0	151.0	£212.20	<b>£59.40</b>

METRIC DIN 338				
Pack Quantity: 1 Piece				
			EACH	EACH
20-100-131	13.1	151.0	£29.10	<b>£8.20</b>
20-100-132	13.2	151.0	£31.40	<b>£8.80</b>
20-100-133	13.3	160.0	£37.30	<b>£10.40</b>
20-100-134	13.4	160.0	£37.20	<b>£10.40</b>
20-100-135	13.5	160.0	£29.60	<b>£8.30</b>
20-100-136	13.6	160.0	£39.60	<b>£11.10</b>
20-100-137	13.7	160.0	£37.90	<b>£10.60</b>
20-100-138	13.8	160.0	£37.10	<b>£10.40</b>
20-100-139	13.9	160.0	£41.20	<b>£11.50</b>
20-100-140	14.0	160.0	£30.10	<b>£8.40</b>
20-100-145	14.5	169.0	£35.90	<b>£10.10</b>
20-100-150	15.0	169.0	£37.10	<b>£10.40</b>
20-100-155	15.5	169.0	£42.20	<b>£11.80</b>
20-100-160	16.0	169.0	£43.50	<b>£12.20</b>
20-100-165	16.5	184.0	£50.10	<b>£14.00</b>
20-100-170	17.0	184.0	£48.50	<b>£13.60</b>
20-100-175	17.5	191.0	£58.60	<b>£16.40</b>
20-100-180	18.0	191.0	£56.80	<b>£15.90</b>
20-100-185	18.5	198.0	£66.70	<b>£18.70</b>
20-100-190	19.0	198.0	£65.20	<b>£18.30</b>
20-100-195	19.5	205.0	£77.80	<b>£21.80</b>
20-100-200	20.0	205.0	£77.00	<b>£21.60</b>

IMPERIAL BS 328				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
<b>Pack Quantity: 10 Pieces</b>				
20-100-901	1/64	20.0	£41.80	<b>£10.50</b>
20-100-902	1/32	30.0	£28.00	<b>£7.00</b>
20-100-903	3/64	38.0	£25.90	<b>£6.50</b>
20-100-904	1/16	43.0	£21.30	<b>£5.30</b>
20-100-905	5/64	49.0	£22.80	<b>£5.70</b>
20-100-906	3/32	57.0	£20.30	<b>£5.10</b>
20-100-907	7/64	61.0	£22.40	<b>£5.60</b>
20-100-908	1/8	65.0	£20.30	<b>£5.40</b>
20-100-909	9/64	70.0	£25.70	<b>£6.60</b>
20-100-910	5/32	75.0	£26.10	<b>£6.80</b>
20-100-911	11/64	80.0	£30.60	<b>£8.00</b>
20-100-912	3/16	86.0	£29.20	<b>£7.90</b>
20-100-913	13/64	86.0	£37.30	<b>£10.40</b>
20-100-914	7/32	93.0	£35.60	<b>£10.00</b>
20-100-915	15/64	93.0	£49.70	<b>£13.20</b>
20-100-916	1/4	101.0	£46.40	<b>£13.00</b>
20-100-917	17/64	109.0	£57.20	<b>£15.60</b>
20-100-918	9/32	109.0	£63.30	<b>£17.20</b>
20-100-919	19/64	117.0	£72.50	<b>£20.20</b>
20-100-920	5/16	117.0	£70.40	<b>£19.60</b>
20-100-921	21/64	117.0	£95.20	<b>£25.80</b>
<b>Pack Quantity: 5 Pieces</b>				
20-100-922	11/32	125.0	£78.20	<b>£21.90</b>
20-100-923	23/64	125.0	£103.50	<b>£29.00</b>
20-100-924	3/8	133.0	£103.50	<b>£29.00</b>
20-100-925	25/64	133.0	£128.30	<b>£35.90</b>
20-100-926	13/32	133.0	£122.20	<b>£34.20</b>
20-100-927	27/64	142.0	£147.00	<b>£41.20</b>
20-100-928	7/16	142.0	£130.40	<b>£36.50</b>
20-100-929	29/64	142.0	£169.80	<b>£47.60</b>
20-100-930	15/32	151.0	£186.30	<b>£52.20</b>
20-100-931	31/64	151.0	£223.60	<b>£62.60</b>
20-100-932	1/2	151.0	£219.40	<b>£58.00</b>
<b>Pack Quantity: 1 Piece</b>				
			EACH	EACH
20-100-934	17/32	160.0	£31.00	<b>£8.70</b>
20-100-936	9/16	169.0	£33.70	<b>£9.40</b>
20-100-940	5/8	178.0	£46.40	<b>£13.00</b>

### Sets

Specification as per individual sizes, see left

SAVE UPTO  
73%

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1299

#### HSS JOBBER DRILL SETS

	Size Range	Price EACH	Offer EACH
20-150-060	1-6mm	£174.90	<b>£45.60</b>
20-150-100	6-10mm	£405.50	<b>£109.50</b>
20-150-000	1-13mm	£230.80	<b>£62.30</b>
20-150-190	1-10mm	£113.60	<b>£30.60</b>
20-150-975	1/16" - 3/8"	£123.20	<b>£33.30</b>
20-150-990	1/16" - 1/2"	£271.20	<b>£73.20</b>

**SAVE BETWEEN 72-75%**

## Jobber Drills Fully Ground Cobalt HSS-Co: DIN 338/BS 328

**APPLICATION:**  
Suitable for high tensile strength and tough materials where greater heat is generated

- TECHNICAL:**
- Cobalt Fully Ground HSS-Co M35 Jobber Drills
  - Fully Ground Flute
  - Manufactured to DIN 338RN/BS 328/ISO 235
  - Material HSS 5% Cobalt
  - 135 degree split point, Right hand spiral



**SAVE BETWEEN 73-75%**

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
<b>Pack Quantity: 10 Pieces</b>				
20-225-010	1.0	34.0	£74.50	£18.60
20-225-015	1.5	40.0	£65.00	£16.30
20-225-016	1.6	43.0	£62.50	£15.60
20-225-017	1.7	43.0	£67.50	£16.90
20-225-018	1.8	46.0	£66.20	£16.60
20-225-019	1.9	46.0	£65.40	£16.40
20-225-020	2.0	49.0	£53.80	£13.50
20-225-021	2.1	49.0	£62.50	£15.60
20-225-022	2.2	49.0	£64.00	£16.00
20-225-0225	2.25	53.0	£68.70	£17.20
20-225-023	2.3	53.0	£64.20	£16.10
20-225-024	2.4	53.0	£64.00	£16.00
20-225-025	2.5	53.0	£60.00	£15.00
20-225-026	2.6	53.0	£66.60	£17.00
20-225-027	2.7	61.0	£67.90	£17.30
20-225-028	2.8	61.0	£66.20	£17.00
20-225-029	2.9	61.0	£64.20	£16.20
20-225-030	3.0	61.0	£60.40	£16.30
20-225-031	3.1	65.0	£70.40	£19.00
20-225-0315	3.15	65.0	£70.40	£19.00
20-225-032	3.2	65.0	£70.40	£19.00
20-225-033	3.3	65.0	£62.50	£16.90
20-225-034	3.4	70.0	£71.60	£19.30
20-225-035	3.5	70.0	£72.40	£19.60
20-225-036	3.6	70.0	£77.20	£20.80
20-225-037	3.7	70.0	£73.30	£19.80
20-225-0375	3.75	75.0	£84.90	£22.90
20-225-038	3.8	75.0	£86.50	£23.30
20-225-039	3.9	75.0	£86.50	£23.30
20-225-040	4.0	75.0	£78.60	£21.20
20-225-041	4.1	75.0	£86.10	£23.20
20-225-042	4.2	75.0	£81.60	£22.10
20-225-043	4.3	75.0	£97.30	£26.30
20-225-044	4.4	75.0	£92.30	£24.90
20-225-045	4.5	80.0	£92.30	£24.90
20-225-046	4.6	80.0	£97.30	£26.30
20-225-047	4.7	80.0	£96.00	£25.90
20-225-048	4.8	86.0	£100.60	£27.20
20-225-049	4.9	86.0	£98.50	£26.60
20-225-050	5.0	86.0	£97.30	£26.30
20-225-051	5.1	86.0	£110.50	£29.80

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
20-225-052	5.2	86.0	£113.00	£30.50
20-225-053	5.3	86.0	£114.30	£30.90
20-225-055	5.5	93.0	£129.60	£35.00
20-225-057	5.7	93.0	£141.60	£38.20
20-225-058	5.8	93.0	£141.60	£38.20
20-225-060	6.0	93.0	£125.40	£33.90
20-225-061	6.1	101.0	£147.20	£39.70
20-225-062	6.2	101.0	£147.20	£39.70
20-225-063	6.3	101.0	£147.80	£39.90
20-225-064	6.4	101.0	£151.10	£40.80
20-225-065	6.5	101.0	£155.30	£41.90
20-225-066	6.6	101.0	£165.60	£44.70
20-225-067	6.7	109.0	£169.70	£45.80
20-225-068	6.8	109.0	£171.80	£46.40
20-225-069	6.9	109.0	£188.40	£50.90
20-225-070	7.0	109.0	£180.00	£48.60
20-225-072	7.2	109.0	£188.40	£50.90
20-225-073	7.3	109.0	£190.40	£51.40
20-225-075	7.5	109.0	£190.40	£51.40
20-225-076	7.6	117.0	£217.40	£58.70
20-225-077	7.7	117.0	£217.40	£58.70
20-225-078	7.8	117.0	£223.60	£60.40
20-225-079	7.9	117.0	£229.80	£62.00
20-225-080	8.0	117.0	£211.20	£57.00
20-225-081	8.1	117.0	£242.20	£65.40
20-225-082	8.2	117.0	£231.80	£62.60
20-225-083	8.3	117.0	£236.00	£63.70
20-225-084	8.4	117.0	£248.40	£67.10
20-225-085	8.5	117.0	£240.20	£64.90
20-225-087	8.7	125.0	£294.00	£79.40
20-225-088	8.8	125.0	£281.50	£76.00
<b>Pack Quantity: 5 Pieces</b>				
20-225-090	9.0	125.0	£277.40	£74.90
20-225-091	9.1	125.0	£302.20	£81.60
20-225-092	9.2	125.0	£320.80	£86.60
20-225-093	9.3	125.0	£308.40	£83.30
20-225-095	9.5	125.0	£302.20	£81.60
20-225-096	9.6	133.0	£333.30	£90.00
20-225-100	10.0	133.0	£331.20	£89.40
20-225-101	10.1	133.0	£436.80	£118.00
20-225-102	10.2	133.0	£422.30	£114.00
20-225-103	10.3	133.0	£455.40	£123.00

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
20-225-105	10.5	133.0	£428.50	£115.70
20-225-110	11.0	142.0	£493.00	£133.00
20-225-111	11.1	142.0	£578.00	£156.00
20-225-112	11.2	142.0	£590.00	£159.00
20-225-115	11.5	142.0	£526.00	£142.00
20-225-116	11.6	142.0	£652.00	£176.00
20-225-117	11.7	142.0	£652.00	£176.00
20-225-119	11.9	142.0	£669.00	£181.00
20-225-120	12.0	151.0	£571.00	£154.00
20-225-121	12.1	151.0	£797.00	£215.00
20-225-122	12.2	151.0	£797.00	£215.00
20-225-125	12.5	151.0	£622.00	£168.00
20-225-126	12.6	151.0	£802.00	£217.00
20-225-127	12.7	151.0	£644.00	£174.00
20-225-128	12.8	151.0	£882.00	£238.00
20-225-130	13.0	151.0	£672.00	£182.00

IMPERIAL BS 328				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
<b>Pack Quantity: 10 Pieces</b>				
20-225-908	1/8	65.0	£60.00	£16.20
20-225-912	3/16	80.0	£86.50	£23.40
20-225-916	1/4	101.0	£138.70	£37.40

**SAVE 75%**

**Sets**

Specification as above

Order Code <b>20-250-100</b>	Description/Size 1-10mm
List Price £310.00	<b>Offer Price</b> £77.50

Order Code <b>20-250-130</b>	Description/Size 1-13mm
List Price £664.00	<b>Offer Price</b> £166.00

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Technical

HSS  
Co

M

I

DIN  
338

BS  
328

ISO  
235

RH

135°

Bronze  
Finish



### Quick Spiral Drills Fully Ground HSS M2 for Aluminium: DIN 338/BS 328

**APPLICATION:**  
 • Suitable for drilling Aluminium, Copper, Magnesium and general light alloys

**TECHNICAL:**  
 • Fully Ground HSS M2 Quick Spiral Drills  
 • Fully Ground Flute  
 • Manufactured to DIN 338RW / BS 328 / ISO 2354  
 • 130 degree thinned point  
 • Right hand spiral, quick helix  
 • Silver finish  
 • Supplied in robust plastic packs



SAVE 77%

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
Pack Quantity: 1 Piece				
20-696-015	1.5	40.0	£4.55	£1.05
20-696-030	3.0	61.0	£4.30	£0.99
20-696-042	4.2	75.0	£5.80	£1.35
20-696-045	4.5	80.0	£6.60	£1.50
20-696-050	5.0	86.0	£6.75	£1.55
20-696-060	6.0	93.0	£8.80	£2.00
20-696-065	6.5	101.0	£10.80	£2.50

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
Pack Quantity: 1 Piece				
20-696-070	7.0	109.0	£12.60	£2.90
20-696-095	9.5	123.0	£20.30	£4.65
20-696-100	10	133.0	£22.35	£5.15
20-696-102	10.2	133.0	£26.90	£6.20
20-696-110	11.0	142.0	£33.50	£7.70
20-696-120	12.0	151.0	£39.10	£9.00
20-696-130	13.0	151.0	£46.00	£10.60

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Technical

HSS M I DIN 338

BS 328 ISO 2354 RH 130°

Silver Finish

### Long Series Drills Fully Ground Cobalt HSS-Co: DIN 338/BS 328

**APPLICATION:**  
 Suitable for high tensile strength and tough materials where greater heat is generated

**TECHNICAL:**  
 • Cobalt Fully Ground Long Series Drills  
 • Fully Ground Flute  
 • Manufactured to DIN 340RN / BS 328 / ISO 429  
 • Material HSS 5% M35 Cobalt  
 • 135 degree split point  
 • Right hand spiral, standard helix  
 • Bronze finish  
 • Supplied in robust plastic packs



METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price Per 10	Offer Per 10
Pack Quantity: 5 Pieces				
20-844-010	1.0	56.0	£81.00	£22.00
20-844-015	1.5	70.0	£81.00	£22.00
20-844-020	2.0	85.0	£81.00	£22.00
20-844-025	2.5	95.0	£87.00	£23.50
20-844-030	3.0	100.0	£104.00	£28.00
20-844-035	3.5	112.0	£127.00	£34.50
20-844-040	4.0	119.0	£153.00	£41.50
20-844-042	4.2	119.0	£170.00	£46.00
20-844-045	4.5	126.0	£170.00	£46.00
20-844-050	5.0	132.0	£193.00	£52.50
20-844-055	5.5	139	£238.00	£64.50

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price Per 10	Offer Per 10
Pack Quantity: 5 Pieces				
20-844-060	6.0	139	£265.00	£71.50
20-844-065	6.5	148	£308.00	£83.00
20-844-070	7.0	156	£352.00	£95.00
20-844-075	7.5	156	£422.00	£114.00
20-844-080	8.0	165.0	£518.00	£140.00
20-844-085	8.5	165.0	£632.00	£171.00
Pack Quantity: 1 Piece				
			EACH	EACH
20-844-090	9.0	175.0	£70.00	£18.90
20-844-095	9.5	175.0	£79.60	£21.50
20-844-100	10.0	184.0	£87.00	£23.50

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SAVE UP TO 74%

Technical

HSS Co M DIN 340 BS 328

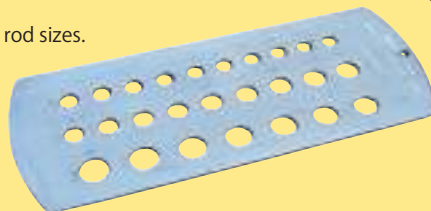
ISO 494 RH 135°

Bronze Finish

### Drill Gauges

#### High Quality Steel Drill Gauges

- Manufactured from high quality steel.
- Satin chrome finish.
- Offers a quick & accurate way of checking drill & rod sizes.



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SAVE 30%

Order Code	No. Of Holes	Size range	Increments	Price EACH	Offer Price
5075	57	1.0 - 5.9mm Metric Twist Drill	0.1mm	£31.40	£21.95
5076	30	1.5 - 12.5mm Metric Twist Drill	0.05"	£31.40	£21.95
5051	60	No.1 - 60 Twist Drill	No. Drill Sizes	£31.40	£21.95
5052	29	1/16 - 1/2" Fractional Size Drill	1/64ths	£30.00	£21.00
5053	26	A - Z Letter Drill	Letter Drill	£30.00	£21.00
5054	20	No. 61 - 80 Twist Drill	No. Drill Sizes	£30.00	£21.00

### Drill Storage Boxes

SAVE 25%



- Metric & imperial storage boxes
- Manufactured from heavy gauge, enamelled steel
- Each compartment has its own size identification
- Self lifting holders make the drill bits easily accessible yet secure when the boxes are closed.

Order Code	Stores Pieces	Size Range	List Price	Offer Price
20-BOX-060	51	1 - 6mm	£13.20	£9.90
20-BOX-100	41	6 - 10mm	£13.20	£9.90
20-BOX-190	19	1 - 10mm	£13.20	£9.90
20-BOX-975	21	1/16" - 3/8"	£13.20	£9.90
20-150-MET	25	1 - 12mm	£13.20	£9.90
20-150-IMP	29	1/16" - 1/2"	£13.20	£9.90



Jobber Drills Fully Ground  
TIN Coated: DIN 338/BS 328

SAVE BETWEEN 62-69%



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1302



METRIC DIN 338

Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
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Pack Quantity: 10 Pieces				
20-379-010	1.0	34.0	£25.90	£8.00
20-379-015	1.5	40.0	£22.80	£7.10
20-379-020	2.0	49.0	£19.20	£7.00
20-379-025	2.5	57.0	£20.70	£7.50
20-379-030	3.0	61.0	£22.40	£8.40
20-379-032	3.2	65.0	£23.80	£8.60
20-379-033	3.3	65.0	£21.70	£8.20
20-379-035	3.5	70.0	£24.20	£9.00
20-379-040	4.0	75.0	£26.90	£9.80
20-379-042	4.2	75.0	£28.60	£10.60
20-379-045	4.5	80.0	£32.20	£12.20
20-379-049	4.9	86.0	£33.90	£12.60
20-379-050	5.0	86.0	£33.30	£12.50
20-379-052	5.2	86.0	£39.30	£14.90
20-379-053	5.3	86.0	£40.20	£15.20
20-379-055	5.5	93.0	£43.90	£16.60
20-379-060	6.0	93.0	£43.50	£16.60
20-379-065	6.5	101.0	£53.80	£17.20
20-379-068	6.8	109.0	£58.80	£18.80
20-379-070	7.0	109.0	£62.10	£23.60
20-379-075	7.5	109.0	£65.80	£24.20
20-379-080	8.0	117.0	£72.40	£27.50
20-379-085	8.5	117.0	£82.80	£31.50
20-379-086	8.6	125.0	£98.50	£37.40

Pack Quantity: 5 Pieces

20-379-090	9.0	125.0	£96.50	£36.60
20-379-095	9.5	125.0	£104.70	£39.80
20-379-099	9.9	133.0	£124.00	£47.00
20-379-100	10.0	133.0	£115.00	£43.70
20-379-102	10.2	133.0	£147.00	£55.80
20-379-105	10.5	133.0	£147.80	£56.20
20-379-110	11.0	142.0	£170.00	£64.60
20-379-115	11.5	142.0	£182.00	£69.20
20-379-120	12.0	151.0	£196.60	£74.70
20-379-125	12.5	151.0	£215.20	£81.80
20-379-128	12.8	151.0	£304.00	£115.50
20-379-130	13.0	151.0	£236.00	£89.70

TECHNICAL:

- HSS Fully Ground TiN Coated Jobber Drills
- Manufactured to DIN 338RN/BS 328/ISO 235
- Fully Ground Flute, 118 degree point
- Right hand spiral, standard helix

Technical	HSS	M	I	DIN 338
	BS 328	ISO 235	RH	118°

IMPERIAL BS 328

Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
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Pack Quantity: 10 Pieces				
20-379-908	1/8	65.0	£21.90	£8.30
20-379-912	3/16	86.0	£30.20	£11.50
20-379-916	1/4	101.0	£47.60	£18.10
20-379-920	5/16	117.0	£72.00	£27.40

Pack Quantity: 5 Pieces

20-379-924	3/8	133.0	£104.70	£39.80
20-379-928	7/16	142.0	£133.30	£50.60
20-379-932	1/2	151.0	£223.60	£85.00

Sets

Specification as above

SAVE  
69%



Order Code 20-379-000	Description/Size 0-13mm
List Price £250.00	Offer Price £77.40

Order Code 20-379-190	Description/Size 1-10mm
List Price £122.50	Offer Price £38.00

Sets

Specification see right -->

- Metric set contains 6 drills: 14, 16, 18, 20, 22 & 25mm
- Inch set contains 5 drills: 9/16", 5/8", 3/4", 7/8" & 1"
- Supplied in robust plastic cylindrical cases



SAVE  
79%



Order Code 20-725-SET	Description/Size Metric 6 Piece Set
List Price £432.60	Offer Price £95.20

Order Code 20-725-IMP	Description/Size Inch 5 Piece Set
List Price £428.50	Offer Price £94.30

Fully Ground  
Blacksmiths Drills

SAVE UPTO  
80%



METRIC

Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
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Pack Quantity: 1 Piece				
20-725-130	13.0	150.0	£54.20	£10.80
20-725-135	13.5	150.0	£67.50	£13.50
20-725-140	14.0	150.0	£52.80	£11.60
20-725-145	14.5	150.0	£79.50	£15.90
20-725-150	15.0	150.0	£61.70	£13.60
20-725-155	15.5	150.0	£75.80	£15.20
20-725-160	16.0	150.0	£62.30	£14.30
20-725-165	16.5	150.0	£91.50	£18.30
20-725-170	17.0	150.0	£68.70	£15.80
20-725-175	17.5	150.0	£92.30	£18.50
20-725-180	18.0	150.0	£75.60	£17.40
20-725-185	18.5	150.0	£100.60	£20.10
20-725-190	19.0	150.0	£84.50	£19.40
20-725-195	19.5	150.0	£95.20	£19.60
20-725-200	20.0	150.0	£87.40	£20.10
20-725-210	21.0	150.0	£99.80	£22.00
20-725-220	22.0	150.0	£106.60	£24.50
20-725-230	23.0	150.0	£105.60	£24.30
20-725-240	24.0	150.0	£123.00	£28.30
20-725-250	25.0	150.0	£137.50	£31.60

IMPERIAL

Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
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Pack Quantity: 1 Piece				
20-725-936	9/16	150.0	£47.80	£11.20
20-725-940	5/8	150.0	£55.90	£12.90
20-725-944	11/16	150.0	£72.50	£16.70
20-725-948	3/4	150.0	£75.30	£17.30
20-725-952	13/16	150.0	£106.80	£24.60
20-725-956	7/8	150.0	£109.70	£25.20
20-725-960	15/16	150.0	£145.70	£33.50
20-725-964	1	150.0	£142.00	£32.70
20-725-980	1-1/4	150.0	£252.50	£53.00

TECHNICAL:

- HSS Fully Ground Blacksmiths Drills
- Overall Length 150mm
- Right hand spiral, standard helix
- 118 degree point
- Industrial quality black finish
- Metric and Inch sizes available

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Technical	HSS	M	I	RH
	1/2" shank diameter	Black Finish	118°	

### Metric Centre Drills DIN 333/ISO 866

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**TECHNICAL:**

- Centre Drills Metric
- Manufactured to DIN 333 / ISO 866
- Point geometry: 120 deg. with 60 deg. Countersink
- Right hand cutting
- Silver finish
- Supplied in robust plastic packs
- 5 Piece set contains: Codes 22-105-032, 040, 050, 063, & 080

**SAVE 79%**

Order Code	Pilot Dia	Body Dia	Price EACH	Offer EACH
22-105-032	1.00	3.15	£10.10	£2.12
22-105-035	1.25	3.15	£11.20	£2.35
22-105-040	1.60	4.00	£10.00	£2.10
22-105-050	2.00	5.00	£10.80	£2.27
22-105-063	2.50	6.30	£12.00	£2.52
22-105-080	3.15	8.00	£14.70	£3.10
22-105-100	4.00	10.00	£22.60	£4.70
22-105-120	5.00	12.50	£32.30	£6.80
22-105-160	6.30	16.00	£48.40	£10.20
22-105-250	10.0	25.00	£149.00	£31.30
22-105-MET	Centre Drill Set		£57.50	£12.10

### BS Style Centre Drills BS 328/DIN 333/ISO 866



**APPLICATION:**

Used to produce conical centre hole in components which require machining between centres

**TECHNICAL:**

- Centre Drills BS Style
- Manufactured to BS 328/DIN 333A/ISO 866
- Point geometry: 120 deg. with 60 deg. Countersink
- Right hand cutting
- Silver finish
- Supplied in robust plastic packs
- 5 Piece set contains: BS1, 2, 3, 4, & 5

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**SAVE BETWEEN 73-75%**

Order Code	Size No.	Pilot Dia	Price EACH	Offer EACH
22-100-001	BS1	3/64	£5.60	£1.40
22-100-002	BS2	1/16	£6.60	£1.65
22-100-003	BS3	3/32	£8.00	£2.00
22-100-004	BS4	1/8	£10.10	£2.55
22-100-005	BS5	3/16	£17.40	£4.70
22-100-006	BS6	1/4	£38.10	£10.30
22-100-007	BS7	5/16	£60.50	£15.20
22-100-SET	Centre Drill Set		£47.40	£11.80

### Short Series Centre Drills



SAVE  
75%

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**APPLICATION:**

Used to produce conical centre hole in components which require machining between centres

**TECHNICAL:**

- Centre Drills Short Series
- Point geometry: 120 deg. with 60 deg. Countersink
- Right hand cutting
- Silver finish
- Supplied in robust plastic packs

Order Code	Size	Pilot Dia	Price EACH	Offer EACH
22-165-300	0	1/32	£10.30	£2.57
22-165-301	1	3/64	£9.00	£2.25
22-165-302	2	5/64	£9.00	£2.25
22-165-303	3	7/64	£10.30	£2.57
22-165-304	4	1/8	£13.60	£3.40
22-165-305	5	3/16	£23.20	£5.80
22-165-306	6	7/32	£26.40	£6.60
22-165-307	7	1/4	£39.80	£9.95

### Bell Type Centre Drills DIN 333/BS 328/ISO 2540



SAVE  
75%

**APPLICATION:**

Used to produce protected centre holes

**TECHNICAL:**

- Centre Drills Bell Type
- Manufactured to DIN 333 / BS 328 / ISO 2540
- Point geometry: 120 deg. with 60 deg. Countersink with protected form
- Right hand cutting
- Silver finish



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Order Code	Body Dia	Size	Price EACH	Offer EACH
22-245-011	1/8	No. 11	£15.30	£3.83
22-245-012	3/16	No. 12	£18.20	£4.55
22-245-013	1/4	No. 13	£22.00	£5.50
22-245-014	5/16	No. 14	£27.40	£6.85
22-245-015	7/16	No. 15	£31.20	£7.80

### Radius Centre Drills DIN 333/BS 328/ISO 2541



**APPLICATION:**

Used to produce centre holes with a radius form, not suitable for use with revolving centres

**TECHNICAL:**

- Centre Drills Radius Type
- Manufactured to DIN 333 / BS 328 / ISO 2541
- Point geometry: 120 deg. with Radius Countersink
- Right hand cutting
- Silver finish
- Supplied in robust plastic packs

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**SAVE BETWEEN 70-75%**

Order Code	Size	Pilot Dia	Price EACH	Offer EACH
22-376-000	0	1/32	£13.00	£3.90
22-376-001	1	3/64	£11.20	£3.36
22-376-002	2	5/64	£11.00	£3.30
22-376-003	3	7/64	£13.00	£3.90
22-376-004	4	1/8	£15.80	£4.74
22-376-005	5	3/16	£24.80	£7.44
22-376-006	6	7/32	£33.60	£10.10
22-376-007	7	1/4	£50.80	£15.20
22-376-102	2-0	1/32	£13.00	£3.90
22-376-103	3-0	1/32	£14.30	£4.30

### Extra Length Centre Drills DIN 333/ISO 866



**APPLICATION:**

Used to produce conical centre hole in components which require machining between centres

**TECHNICAL:**

- Centre Drills Metric
- Manufactured to DIN 333 / ISO 866
- Point geometry: 120 deg. with 60 deg. Countersink
- Right hand cutting
- Silver finish
- Supplied in robust plastic packs

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**SAVE BETWEEN 70-74%**

Order Code	Size No.	Point Dia	Price EACH	Offer EACH
22-399-501	1	3/64	£21.10	£5.90
22-399-502	2	5/64	£21.10	£5.90
22-399-503	3	7/64	£21.70	£6.10
22-399-504	4	1/8	£26.10	£7.30
22-399-505	5	3/16	£31.50	£8.80

## Long Series Drills Fully Ground HSS M2: DIN 340/BS 328

**SAVE BETWEEN 75-80%**



**APPLICATION:**  
General purpose industrial use

**TECHNICAL:**

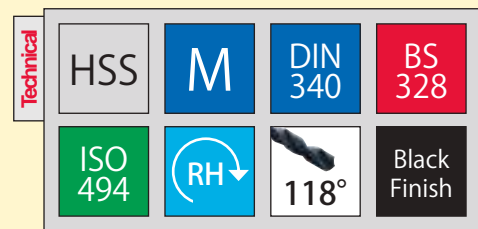
- HSS Fully Ground Long Series Drills
- Fully Ground Flute
- Manufactured to DIN 340RN / BS 328 / ISO 494
- 118 degree point
- Right hand spiral, standard helix, black finish



METRIC DIN 340				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
Pack Quantity: 5 Pieces				
20-810-010	1.0	56.0	£70.00	£14.00
20-810-012	1.2	65.0	£68.30	£13.60
20-810-013	1.3	65.0	£55.10	£13.60
20-810-014	1.4	70.0	£62.10	£15.40
20-810-015	1.5	70.0	£62.10	£15.40
20-810-016	1.6	76.0	£60.90	£15.30
20-810-017	1.7	76.0	£54.20	£13.60
20-810-018	1.8	80.0	£57.20	£14.30
20-810-019	1.9	80.0	£62.10	£15.50
20-810-020	2.0	85.0	£48.40	£12.10
20-810-021	2.1	85.0	£52.20	£13.10
20-810-022	2.2	90.0	£55.50	£13.90
20-810-023	2.3	90.0	£57.20	£14.30
20-810-024	2.4	95.0	£70.00	£17.40
20-810-025	2.5	95.0	£50.50	£12.60
20-810-026	2.6	95.0	£69.60	£17.40
20-810-027	2.7	100.0	£62.90	£15.70
20-810-028	2.8	100.0	£56.30	£14.10
20-810-029	2.9	100.0	£62.10	£15.50
20-810-030	3.0	100.0	£50.50	£12.60
20-810-031	3.1	106.0	£59.60	£14.90
20-810-032	3.2	106.0	£56.50	£14.10
20-810-033	3.3	106.0	£60.90	£15.20
20-810-034	3.4	112.0	£71.20	£17.80
20-810-035	3.5	112.0	£59.20	£14.80
20-810-036	3.6	112.0	£58.80	£14.70
20-810-037	3.7	112.0	£70.40	£17.60
20-810-038	3.8	119.0	£65.00	£16.30
20-810-039	3.9	119.0	£60.00	£15.00
20-810-040	4.0	119.0	£60.90	£15.20
20-810-041	4.1	119.0	£80.30	£20.10
20-810-042	4.2	119.0	£70.00	£17.50
20-810-043	4.3	126.0	£75.30	£18.80
20-810-044	4.4	126.0	£78.70	£19.70
20-810-045	4.5	126.0	£73.30	£18.30
20-810-046	4.6	126.0	£79.90	£20.00
20-810-047	4.7	126.0	£84.90	£21.20
20-810-048	4.8	132.0	£87.40	£21.80
20-810-049	4.9	132.0	£87.80	£22.00
20-810-050	5.0	132.0	£78.70	£19.70
20-810-051	5.1	132.0	£98.50	£24.60

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price PER 10	Offer PER 10
20-810-052	5.2	132.0	£92.70	£23.20
20-810-053	5.3	132.0	£100.60	£25.20
20-810-054	5.4	139.0	£84.50	£21.10
20-810-055	5.5	139.0	£99.40	£23.00
20-810-056	5.6	139.0	£107.20	£26.80
20-810-057	5.7	139.0	£97.70	£24.40
20-810-058	5.8	139.0	£99.40	£24.80
20-810-059	5.9	139.0	£111.00	£27.70
20-810-060	6.0	139.0	£98.50	£24.60
20-810-061	6.1	148.0	£117.20	£29.30
20-810-062	6.2	148.0	£116.00	£29.00
20-810-063	6.3	148.0	£116.00	£29.00
20-810-064	6.4	148.0	£138.70	£34.70
20-810-065	6.5	148.0	£120.50	£30.10
20-810-066	6.6	148.0	£120.00	£26.80
20-810-067	6.7	148.0	£142.80	£35.70
20-810-068	6.8	156.0	£139.50	£34.90
20-810-069	6.9	156.0	£150.30	£37.60
20-810-070	7.0	156.0	£133.70	£33.40
20-810-071	7.1	156.0	£220.60	£55.20
20-810-072	7.2	156.0	£196.60	£49.20
20-810-073	7.3	156.0	£203.00	£50.80
20-810-074	7.4	156.0	£227.70	£56.90
20-810-075	7.5	156.0	£164.40	£41.10
20-810-076	7.6	165.0	£240.10	£60.00
20-810-077	7.7	165.0	£223.60	£55.90
20-810-078	7.8	165.0	£194.60	£48.60
20-810-079	7.9	165.0	£182.20	£45.60
20-810-080	8.0	165.0	£164.40	£41.10
20-810-081	8.1	165.0	£246.00	£61.50
20-810-082	8.2	165.0	£230.00	£57.50
20-810-083	8.3	165.0	£234.00	£58.50
20-810-084	8.4	165.0	£219.40	£54.90
20-810-085	8.5	165.0	£188.40	£47.10
Pack Quantity: 1 Piece				
			EACH	EACH
20-810-086	8.6	175.0	£28.60	£7.15
20-810-087	8.7	175.0	£27.50	£6.90
20-810-088	8.8	175.0	£27.50	£6.90
20-810-089	8.9	175.0	£28.20	£7.05
20-810-090	9.0	175.0	£20.30	£5.10
20-810-095	9.5	175.0	£23.40	£5.85

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
20-810-097	9.7	175.0	£32.30	£8.10
20-810-100	10.0	184.0	£23.80	£5.95
20-810-102	10.2	184.0	£33.50	£8.40
20-810-105	10.5	184.0	£29.60	£7.40
20-810-110	11.0	195.0	£32.50	£8.15
20-810-115	11.5	195.0	£35.00	£8.75
20-810-120	12.0	205.0	£38.10	£9.50
20-810-125	12.5	205.0	£42.00	£10.50
20-810-130	13.0	205.0	£43.50	£10.90
20-810-135	13.5	214.0	£60.20	£15.10
20-810-140	14.0	214.0	£50.50	£12.60
20-810-145	14.5	220.0	£66.60	£16.70
20-810-150	15.0	220.0	£61.30	£15.30
20-810-155	15.5	227.0	£98.70	£24.70
20-810-160	16.0	227.0	£72.90	£18.20
20-810-165	16.5	235.0	£106.60	£26.60
20-810-170	17.0	235.0	£88.60	£22.20
20-810-175	17.5	241.0	£122.00	£30.50
20-810-180	18.0	241.0	£91.90	£23.00
20-810-185	18.5	247.0	£153.20	£38.30
20-810-190	19.0	247.0	£111.80	£28.00
20-810-195	19.5	254.0	£202.80	£50.70
20-810-200	20.0	254.0	£186.30	£46.60



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# Morse Taper Shank Drills Fully Ground HSS: DIN 345/BS 328

APPLICATION:  
General purpose industrial use

- TECHNICAL:
- Fully Ground HSS Morse Taper Shank Drills
  - Manufactured to DIN 345/BS 328/ISO 235
  - Fully Ground Flute
  - 118 degree point
  - Right hand spiral, standard helix



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**SAVE BETWEEN 75-80%**

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
<b>Morse Taper Shank 1</b>				
20-325-020	2.0	108.0	£47.60	£9.50
20-325-025	2.5	111.0	£40.20	£8.10
20-325-030	3.0	114.0	£30.40	£6.10
20-325-033	3.3	117.0	£48.00	£9.60
20-325-035	3.5	124.0	£37.50	£7.50
20-325-040	4.0	124.0	£29.80	£6.00
20-325-042	4.2	124.0	£44.10	£8.80
20-325-045	4.5	128.0	£35.00	£7.00
20-325-050	5.0	133.0	£28.60	£7.20
20-325-055	5.5	138.0	£30.40	£7.60
20-325-060	6.0	138.0	£26.90	£6.70
20-325-065	6.5	144.0	£28.80	£7.20
20-325-068	6.8	150.0	£43.50	£10.90
20-325-070	7.0	150.0	£29.40	£7.40
20-325-075	7.5	150.0	£32.90	£8.20
20-325-080	8.0	156.0	£28.80	£7.20
20-325-085	8.5	156.0	£31.30	£7.80
20-325-090	9.0	162.0	£32.90	£8.20
20-325-095	9.5	162.0	£37.10	£9.30
20-325-100	10.0	168.0	£33.50	£8.40
20-325-102	10.2	168.0	£46.80	£11.70
20-325-105	10.5	168.0	£37.90	£9.50
20-325-110	11.0	175.0	£37.50	£9.40
20-325-115	11.5	175.0	£40.20	£10.10
20-325-120	12.0	182.0	£38.90	£9.70
20-325-125	12.5	182.0	£43.10	£10.80
20-325-130	13.0	182.0	£42.80	£10.70
20-325-135	13.5	189.0	£49.30	£12.30
20-325-140	14.0	189.0	£47.00	£11.80
<b>Morse Taper Shank 2</b>				
20-325-145	14.5	212.0	£53.80	£13.50
20-325-150	15.0	212.0	£52.80	£13.20
20-325-155	15.5	218.0	£59.60	£14.90
20-325-160	16.0	218.0	£56.50	£14.10
20-325-165	16.5	223.0	£64.80	£16.20
20-325-170	17.0	223.0	£62.50	£15.60
20-325-175	17.5	228.0	£75.60	£18.90
20-325-180	18.0	228.0	£73.50	£18.40
20-325-185	18.5	233.0	£86.50	£21.60
20-325-190	19.0	233.0	£84.20	£21.00
20-325-195	19.5	238.0	£100.60	£25.20

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
20-325-200	20.0	238.0	£84.70	£21.20
20-325-205	20.5	243.0	£89.60	£22.40
20-325-210	21.0	243.0	£86.90	£21.70
20-325-215	21.5	248.0	£103.10	£25.80
20-325-220	22.0	248.0	£100.00	£25.00
20-325-225	22.5	253.0	£109.50	£27.40
20-325-230	23.0	253.0	£107.60	£26.90
<b>Morse Taper Shank 3</b>				
20-325-235	23.5	253.0	£119.60	£29.90
20-325-240	24.0	281.0	£118.80	£29.70
20-325-245	24.5	281.0	£131.40	£32.90
20-325-250	25.0	281.0	£123.20	£30.80
20-325-255	25.5	286.0	£149.70	£37.40
20-325-260	26.0	286.0	£146.10	£36.50
20-325-265	26.5	286.0	£152.40	£38.10
20-325-270	27.0	291.0	£152.40	£38.10
20-325-275	27.5	291.0	£161.50	£40.40
20-325-280	28.0	291.0	£161.50	£40.40
20-325-285	28.5	296.0	£186.30	£46.60
20-325-290	29.0	296.0	£174.90	£43.70
20-325-295	29.5	296.0	£191.50	£47.90
20-325-300	30.0	296.0	£184.20	£46.10
20-325-305	30.5	301.0	£231.80	£58.00
20-325-310	31.0	301.0	£209.10	£52.30
<b>Morse Taper Shank 4</b>				
20-325-320	32.0	334.0	£230.80	£57.70
20-325-330	33.0	334.0	£249.40	£62.40
20-325-340	34.0	339.0	£274.30	£68.60
20-325-350	35.0	339.0	£283.60	£70.90
20-325-360	36.0	344.0	£312.60	£78.20
20-325-370	37.0	344.0	£335.30	£83.80
20-325-380	38.0	349.0	£358.10	£89.50
20-325-390	39.0	349.0	£378.80	£94.70
20-325-400	40.0	349.0	£389.00	£97.30
20-325-410	41.0	354.0	£443.00	£111.00
20-325-420	42.0	354.0	£466.00	£116.00
20-325-430	43.0	359.0	£497.00	£124.00
20-325-440	44.0	359.0	£515.00	£129.00
20-325-450	45.0	359.0	£536.00	£134.00
20-325-460	46.0	364.0	£565.00	£141.00
20-325-470	47.0	364.0	£586.00	£147.00
20-325-480	48.0	369.0	£619.00	£155.00

METRIC DIN 338				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
20-325-490	49.0	369.0	£640.00	£160.00
20-325-500	50.0	369.0	£658.00	£165.00
<b>IMPERIAL BS 328</b>				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
<b>Morse Taper Shank 1</b>				
20-325-908	1/8	117.0	£28.40	£5.70
20-325-909	9/64	120.0	£30.40	£6.10
20-325-910	5/32	124.0	£30.40	£6.10
20-325-911	11/64	128.0	£29.60	£6.00
20-325-912	3/16	133.0	£27.90	£6.50
20-325-913	13/64	133.0	£29.80	£6.80
20-325-914	7/32	138.0	£29.80	£6.80
20-325-915	15/64	138.0	£30.20	£6.90
20-325-916	1/4	144.0	£22.80	£5.70
20-325-917	17/64	150.0	£29.20	£7.00
20-325-918	9/32	150.0	£31.90	£7.50
20-325-919	19/64	156.0	£34.20	£7.70
20-325-920	5/16	156.0	£29.80	£7.80
20-325-921	21/64	156.0	£26.90	£6.70
20-325-922	11/32	162.0	£34.20	£8.60
20-325-923	23/64	162.0	£38.30	£9.60
20-325-924	3/8	168.0	£29.00	£7.30
20-325-925	25/64	168.0	£38.50	£9.60
20-325-926	13/32	175.0	£33.70	£8.40
20-325-927	27/64	175.0	£45.20	£11.30
20-325-928	7/16	182.0	£33.90	£8.50
20-325-929	29/64	182.0	£48.60	£12.10
20-325-930	15/32	182.0	£39.10	£9.80
20-325-931	31/64	189.0	£53.40	£13.30
20-325-932	1/2	189.0	£40.40	£10.10
20-325-933	33/64	212.0	£54.20	£13.50
20-325-934	17/32	212.0	£45.70	£11.40
20-325-935	35/64	212.0	£57.50	£14.40
20-325-936	9/16	212.0	£47.80	£12.00
<b>Morse Taper Shank 2</b>				
20-325-937	37/64	212.0	£66.20	£16.50
20-325-938	19/32	218.0	£64.40	£16.10
20-325-939	39/64	218.0	£66.40	£16.60
20-325-940	5/8	218.0	£55.50	£13.90
20-325-941	41/64	223.0	£65.80	£16.40
20-325-942	21/32	223.0	£66.00	£16.50

**Morse Taper Shank Drills  
Fully Ground HSS: DIN 345/BS 328  
cont.**



**SAVE BETWEEN 72-80%**

IMPERIAL BS 328				
Order Code	Dia mm	Total Lgth	Price EACH	Offer EACH
<b>Morse Taper Shank 2</b>				
20-325-943	43/64	228.0	£94.40	£23.60
20-325-944	11/16	228.0	£64.80	£16.20
20-325-945	45/64	228.0	£85.30	£21.30
20-325-946	23/32	233.0	£88.80	£22.20
20-325-947	47/64	233.0	£92.10	£23.00
20-325-948	3/4	238.0	£75.60	£18.90
20-325-949	49/64	238.0	£92.90	£23.20
20-325-950	25/32	238.0	£103.50	£25.90
20-325-951	51/64	243.0	£114.90	£28.70
20-325-952	13/16	243.0	£89.00	£22.30
20-325-953	53/64	243.0	£121.30	£30.30
20-325-954	27/32	248.0	£115.90	£29.00
20-325-955	55/64	248.0	£120.70	£30.20
20-325-956	7/8	248.0	£100.20	£25.10
20-325-957	57/64	253.0	£142.80	£35.70
20-325-958	29/32	253.0	£135.20	£33.80
<b>Morse Taper Shank 3</b>				
20-325-959	59/64	253.0	£147.00	£36.80
20-325-960	15/16	281.0	£120.00	£30.00
20-325-961	61/64	281.0	£149.60	£37.40
20-325-962	31/32	281.0	£151.10	£37.80
20-325-963	63/64	286.0	£163.10	£40.80
20-325-964	1	286.0	£128.30	£32.10
20-325-970	1-3/32	292.0	£157.30	£39.30
20-325-972	1-1/8	296.0	£171.80	£43.00
20-325-980	1-1/4	334.0	£225.60	£56.40
<b>Morse Taper Shank 4</b>				
20-325-984	1-5/16	334.0	£265.00	£66.30
20-325-988	1-3/8	339.0	£319.00	£79.80
20-325-996	1-1/2	349.0	£350.00	£87.50
20-325-997	1-5/8	355.0	£511.00	£128.00
20-325-998	1-3/4	359.0	£518.00	£130.00
20-325-999	2	374.0	£733.00	£183.00

**Morse Taper Sleeves DIN 2185**



**SAVE 55%**

**APPLICATION:**  
Morse taper Sleeves allow Morse Taper cutting tools to be fitted to machine spindles which have a different Morse Taper to that of the tool

**TECHNICAL:**

- Manufactured from carbon steel
- External & internal tapers hardened & ground
- Accurate to DIN 2185

DIN 2185			
Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
MT 100	MT 1(ext)-0(int)	£19.10	£8.60
MT 201	MT 2(ext)-1(int)	£19.50	£8.70
MT 301	MT 3(ext)-1(int)	£22.80	£10.20
MT 302	MT 3(ext)-2(int)	£22.80	£10.20
MT 401	MT 4(ext)-1(int)	£44.00	£19.80
MT 402	MT 4(ext)-2(int)	£44.00	£19.80
MT 403	MT 4(ext)-3(int)	£44.00	£19.80
MT 501	MT 5(ext)-1(int)	£106.00	£47.70
MT 502	MT 5(ext)-2(int)	£106.00	£47.70
MT 503	MT 5(ext)-3(int)	£106.00	£47.70
MT 504	MT 5(ext)-4(int)	£106.00	£47.70
MT 605	MT 6(ext)-5(int)	£106.00	£47.70
MT SET	1 x MT 2-1, 3-2 & 4-3	£86.00	£38.60

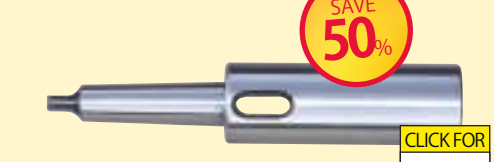
**Adjustable Reamers**

**SAVE 35%**

- Suitable for accurately finishing previously drilled holes to an exact size.
- The 6 hardened steel blades sit in tapered keyways and expand as they are repositioned along the length of the reamer body. Adjustment progress of the reamer is checked by the use of a micrometer.
- Screwed end caps finally clamp the blades in the required position.
- Blade Hardness: HRC 62-66

Order Code	Size mm	Price EACH	Offer EACH
20-543-070	6.50-7.00	£44.00	£27.70
20-543-077	7.00-7.75	£44.00	£27.70
20-543-085	7.75-8.50	£44.00	£27.70
20-543-092	8.50-9.25	£44.00	£27.70
20-543-100	9.25-10.00	£55.00	£34.60
20-543-107	10.00-10.75	£55.00	£34.60
20-543-127	11.75-12.75	£59.00	£37.20
20-543-137	12.75-13.75	£59.00	£37.20
20-543-152	13.75-15.25	£65.00	£41.00
20-543-170	15.25-17.00	£65.00	£41.00
20-543-190	17.00-19.00	£71.00	£44.70
20-543-210	19.00-21.00	£74.00	£46.60
20-543-230	21.00-23.00	£84.00	£52.90
20-543-260	23.00-26.00	£89.00	£56.10
20-543-295	26.00-29.50	£105.00	£66.20

**Morse Taper Extension Sleeves DIN 2187**



**SAVE 50%**

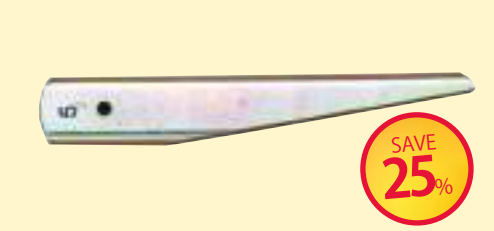
**APPLICATION:**  
Morse Taper Extensions allow machine spindles with Morse tapers to be extended when using cutting tools with a Morse taper

**TECHNICAL:**

- Manufactured from carbon steel
- External & internal tapers hardened & ground
- Accurate to DIN 2187

DIN 2187			
Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
EXT 101	MT 1(ext)-1(int)	£32.20	£16.10
EXT 102	MT 1(ext)-2(int)	£35.40	£17.70
EXT 201	MT 2(ext)-1(int)	£33.60	£16.80
EXT 202	MT 2(ext)-2(int)	£38.20	£19.10
EXT 203	MT 2(ext)-3(int)	£52.00	£26.00
EXT 301	MT 3(ext)-1(int)	£44.00	£22.00
EXT 302	MT 3(ext)-2(int)	£38.20	£19.10
EXT 303	MT 3(ext)-3(int)	£52.00	£26.00
EXT 304	MT 3(ext)-4(int)	£59.00	£29.50
EXT 401	MT 4(ext)-1(int)	£78.00	£39.00
EXT 402	MT 4(ext)-2(int)	£67.60	£33.80
EXT 403	MT 4(ext)-3(int)	£67.60	£33.80
EXT 404	MT 4(ext)-4(int)	£82.00	£41.00
EXT 405	MT 4(ext)-5(int)	£123.20	£61.60
EXT 501	MT 5(ext)-1(int)	£118.00	£59.00
EXT 502	MT 5(ext)-2(int)	£123.40	£61.70
EXT 503	MT 5(ext)-3(int)	£121.20	£60.60
EXT 504	MT 5(ext)-4(int)	£117.00	£58.50

**Drill Drifts**



**SAVE 25%**

- Drill Drifts provide a simple method of ejecting Morse taper tools from a machine spindle or sleeve
- Manufactured from high quality tool steel

Order Code	For ejecting Morse Taper	Price EACH	Offer EACH
DD-0	0	£7.00	£5.25
DD-1	1 & 2	£8.00	£6.00
DD-3	3 & 4	£9.80	£7.30
DD-5	4 & 5	£12.80	£9.60



### HSS 90 Degree Hex Shank Countersinks



SAVE 45%

CLICK FOR PDF 1081

- Countersink 90 deg Hex Shank 3 Flute
- Manufactured to DIN 335C
- Material: HSS
- Silver Finish

Order Code	Head Size	Shank Dia	Price EACH	Offer EACH
28-328-263	6.3	31	£10.90	£6.00
28-328-283	8.3	31	£14.20	£7.80
28-328-304	10.4	34	£17.50	£9.60
28-328-324	12.4	35	£22.30	£12.20
28-328-365	16.5	40	£26.50	£14.60
28-328-405	20.5	41	£33.90	£18.60

### HSS Counterbore Set



SAVE 78%

- 4 flute capscrew counterbores
- Straight shank
- Includes M3, M4, M5, M6, M8, M10
- Manufactured to DIN 373

Order Code	Description/Size
28-650-SET	M3-M10 Set
List Price	£293.00
Offer Price	£64.50

### HSS Straight Shank Counterbores DIN 373



SAVE 73%

- 4 flute HSS capscrew counterbores
- Straight shank
- Manufactured to DIN 373

Order Code	Cap Dia	Cut Dia	Price EACH	Offer EACH
28-650-003	M3	6.0	£37.90	£10.20
28-650-004	M4	8.0	£35.40	£9.60
28-650-005	M5	10.0	£38.10	£10.30
28-650-006	M6	11.0	£40.40	£10.90
28-650-008	M8	15.0	£65.40	£17.70
28-650-010	M10	18.0	£79.50	£21.50
28-650-012	M12	20.0	£84.20	£22.70
28-650-014	M14	24.0	£90.70	£24.50
28-650-016	M16	26.0	£96.00	£25.90
28-650-020	M20	32.5	£159.00	£42.90

### Countersinks

#### HSS Countersink Sets



SAVE 50%

- 3 countersink sets:
- 28-321-SET, 90 degree 3 flute: 6.3, 8.3, 10.4, 12.4, 16.5, 20.5mm
- 28-325-SET, 90 degree 0 flute: 2-5, 5-10, 10-15, 15-20mm
- 28-328-SET, 90 degree hex shank: 6.3, 8.3, 10.4, 12.4, 16.5, 20.5mm
- Sets supplied in fitted box
- 28-321-SET: Six piece set
- 28-325-SET: Four piece set
- 28-328-SET: Six piece set

CLICK FOR PDF 1081

Order Code	Description	Order Code	Description	Order Code	Description
28-321-SET	6.3-20.5 Set	28-325-SET	2.0-20.0 Set	28-328-SET	6.3-20.5 Set
List Price	£107.60	List Price	£106.60	List Price	£124.00
Offer Price	£53.80	Offer Price	£53.30	Offer Price	£62.00

### HSS 90 Degree 3 Flute Countersinks



CLICK FOR PDF 1081

- Countersink 90 deg Straight Shank 3 Flute
- Manufactured to DIN 335C-90 deg.
- Material: HSS
- Silver Finish

SAVE 45%

Order Code	Head Size	Shank Dia	Price EACH	Offer EACH
28-321-063	6.3	5	£10.80	£5.90
28-321-083	8.3	6	£12.70	£7.00
28-321-104	10.4	6	£14.60	£8.00
28-321-124	12.4	8	£17.30	£9.50
28-321-165	16.5	10	£23.00	£12.65
28-321-205	20.5	10	£29.40	£16.20
28-321-250	25.0	10	£59.00	£32.40

### HSS 90 Degree Zero Flute Countersinks



SAVE 45%

CLICK FOR PDF 1081

- Countersink 90 deg Straight Shank Zero Flute
- Manufactured to DIN 335C
- Material: HSS
- Silver Finish

Order Code	Head Size	Shank Dia	Price EACH	Offer EACH
28-325-050	2-5	45	£13.60	£7.50
28-325-100	5-10	48	£18.10	£9.95
28-325-150	10-15	65	£33.60	£18.50
28-325-200	15-20	85	£41.60	£22.90
28-325-250	20-25	102	£62.30	£34.20

### HSS 90 Degree Tapershank Countersinks



SAVE 45%

CLICK FOR PDF 1081

- Countersink 90 deg Taper Shank 3 Flute
- Manufactured to DIN 335D-90 deg.
- Morse Taper Shanks
- Material: HSS
- Silver Finish

Order Code	Head Size	Shank Dia	Price EACH	Offer EACH
28-343-165	16.5	85.0	£42.40	£23.30
28-343-205	20.5	100.0	£54.40	£29.90
28-343-250	25.0	105.0	£58.60	£32.20
28-343-310	31.0	115.0	£85.60	£47.00
28-343-400	40.0	140.0	£153.00	£84.20
28-343-500	50.0	150.0	£232.00	£127.60
28-343-630	63.0	175.0	£352.00	£193.60

### 60° Three Flute Countersinks DIN 334C



SAVE 45%

CLICK FOR PDF 1081

- Countersink 60 deg Straight Shank 3 Flute
- Manufactured to DIN 334C-60 deg.
- Material: HSS
- Silver Finish

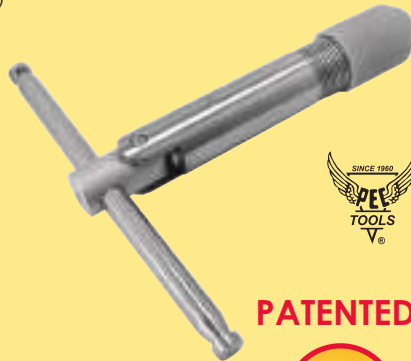
Order Code	Head Size	Shank Dia	Price EACH	Offer EACH
28-324-063	6.3	45	£11.60	£6.40
28-324-083	8.3	50	£12.90	£7.10
28-324-104	10.4	50	£15.30	£8.40
28-324-124	12.4	56	£17.70	£9.70
28-324-165	16.5	63	£23.80	£13.10
28-324-205	20.5	67	£61.00	£33.55
28-324-250	25.0	71	£104.60	£57.50



**Accessories**

**Cam Lock Tap Wrench with Reversible Colet**

- Widest range available for tap size: 1/8" - 1/2" (M3-M12)
- Equivalent to at least two conventional tap wrenches**
- Patented revolutionary cam lock system
- Quick action clamping for easy replacement
- Tap will never release during use
- Heavy duty design for extra long life
- Capable of handling extreme torque
- Can also be used as a hand drill for sizes 5/64" - 5/16"
- A/F range: 2-9mm



**PATENTED**

**SAVE 30%**

CLICK FOR  
**PDF 1033**

Order Code <b>4300-350</b>	Description Cam Lock Tap Wrench
List Price £35.60	<b>Offer Price £24.90</b>

**HSS Tap & Die Set  
M3-M12: ISO-529 / 965**



**SAVE 70%**

- 7 x HSS 3 Piece Tap Sets: ISO-529
- 7 x HSS Split Dies: ISO-965 (BS-1127)
- 1 x Straight Adjustable Tap Wrench
- 1 x Adjustable Die Stock
- 1 x Screwdriver for Die Stock Adjustment
- Supplied in a Deluxe Fitted Case

CLICK FOR  
**PDF 1377**

Order Code <b>21-599-SET</b>	Description/Size HSS Tap & Die Set
List Price £294.00	<b>Offer Price £88.20</b>

**Accessories**

**Chuck Type Tap Wrenches**

- T-handles slide both ways for tightening
- Hardened & tempered split collet chucks for positive grip
- Knurled & hardened clamping nut
- Spring tension holds handle in desired position
- Wrench body has machined centre for use with lathe centres



**SAVE 30%**

Order Code	Jaw Type	Tap Size (mm)	Tap Size (Inch)	A/F Range	Price Each	<b>Offer Price</b>
<b>4300-210</b>	Solid	1.5 - 4.0	1/16-5/32"	2.5-4mm	£9.90	<b>£6.90</b>
<b>4300-220</b>	Solid	4.0 - 6.25	5/32-1/4"	3-5mm	£11.20	<b>£7.80</b>
<b>4300-230</b>	Solid	6.25 - 12.50	1/4-1/2"	5-7mm	£13.30	<b>£9.30</b>
<b>4300-215</b>	Ratchet	1.5 - 4.0	1/16-5/32"	2-4mm	£23.90	<b>£16.70</b>
<b>4300-225</b>	Ratchet	4.0 - 6.25	5/32-1/4"	3-5mm	£26.20	<b>£18.30</b>
<b>4300-235</b>	Ratchet	6.25 - 12.50	1/4-1/2"	5-7mm	£31.20	<b>£21.80</b>

**HSS Tap and Tapping Drill Set  
ISO-529 / DIN-338**



**SAVE 77%**

- HSS Metric Coarse Hand Taps, Ground Threads
- M3-M12 in sets of 3 pieces
- HSS Twist Drills in recommended tapping sizes: 2.5, 3.3, 4.2, 5.0, 6.8, 8.5 & 10.2mm
- 1 x Tap Wrench

CLICK FOR  
**PDF 1380**



Order Code <b>21-550-SET</b>	Description/Size HSS Drill & Tap Set
List Price £362.00	<b>Offer Price £83.30</b>

**Accessories**

**Adjustable Tap Wrenches**



**SAVE 25%**



CLICK FOR  
**PDF 1101**

- Holds taps for hand tapping use
- Knurled handles for better grip
- Die cast alloy body, Bright chrome finish

Order Code	Tap Size (mm)	Tap Size (Inch)	A/F Range	List Price	<b>Offer Price</b>
<b>TW-065</b>	2.0-6.0	1/16-1/4"	2.0-6.5	£7.50	<b>£5.60</b>
<b>TW-013</b>	4.0-9.0	1/16-1/2"	2.2-8.0	£10.60	<b>£7.95</b>
<b>TW-020</b>	6.0-20.0	1/4-3/4"	4.0-12.5	£15.80	<b>£11.80</b>
<b>TW-SET</b>	2.0-9.0	1/16-1/2"	2.0-8.0	£17.90	<b>£13.45</b>

**Accessories**

**Heavy Duty Tap Wrenches**



**SAVE 25%**



CLICK FOR  
**PDF 1101**

- All steel construction
- Tap and Reamer Wrenches are suitable for continuous and heavy-duty use.
- Bar type handles are chrome plated with knurled ends

Order Code	Tap Size	A/F Range (mm)	List Price	<b>Offer Price</b>
<b>STW-M12</b>	M1.4-M12	2.6-9.5	£8.80	<b>£6.60</b>
<b>STW-M14</b>	M5-M14	2.6-11.5	£12.00	<b>£9.00</b>
<b>STW-M20</b>	M6-M20	4.5-14	£21.20	<b>£15.90</b>
<b>STW-M42</b>	M14-M42	7.0-26	£94.00	<b>£70.50</b>

**HSS Tap Set  
M3-M12: ISO-529**



CLICK FOR  
**PDF 1376**

- Industrial Quality Tap Set
- Material: HSS
- Manufactured to: ISO-529
- Range: M3- M12 Metric Coarse Straight Flute Taps
- 3 Pieces of each size: First, Second and Plug
- Thread Sizes: M3, M4, M5, M6, M8, M10 and M12
- Supplied in a fitted Index Box

**SAVE 79%**



Order Code <b>21-500-SET</b>	Description/Size HSS Tap Set M3-M12
List Price £313.00	<b>Offer Price £65.70</b>

## Metric Coarse Taps Singles, ISO-529



### APPLICATION:

Suitable for hand and machine tapping of through and blind holes

### TECHNICAL:

- Taps Metric Fine Straight Flute
- Manufactured to ISO 529
- Tolerance Class 2 for 6H fit
- Silver finish

### Metric Coarse Taps - Set of 3

ISO-529

[CLICK FOR PDF 1150](#)
**SAVE BETWEEN 78-82%**
**SAVE BETWEEN 78%-82%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-500-020	M2 x 0.4	£75.50	£13.60
21-500-025	M2.5 x 0.45	£65.40	£11.80
21-500-030	M3 x 0.5	£47.80	£8.60
21-500-035	M3.5 x 0.6	£52.20	£9.40
21-500-040	M4 x 0.7	£42.20	£7.60
21-500-050	M5 x 0.8	£47.20	£8.50
21-500-060	M6 x 1.0	£46.60	£8.40
21-500-080	M8 x 1.25	£54.00	£10.80
21-500-100	M10 x 1.5	£63.30	£13.40
21-500-120	M12 x 1.75	£86.60	£19.10
21-500-140	M14 x 2.0	£113.80	£21.20
21-500-160	M16 x 2.0	£130.00	£24.20
21-500-200	M20 x 2.5	£207.00	£41.40

### BSW Taps - Set of 3

ISO-529

[CLICK FOR PDF 1154](#)
**SAVE BETWEEN 80-81%**
**SAVE BETWEEN 80-81%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-502-612	5/32 x 32	£60.40	£10.90
21-502-613	3/16 x 24	£64.60	£11.60
21-502-614	1/4 x 20	£60.40	£10.90
21-502-615	5/16 x 18	£70.00	£12.60
21-502-616	3/8 x 16	£85.70	£15.40
21-502-617	7/16 x 14	£126.30	£22.70
21-502-618	1/2 x 12	£111.00	£20.00
21-502-619	9/16 x 12	£149.00	£26.80
21-502-620	5/8 x 11	£168.00	£30.20
21-502-621	3/4 x 10	£246.00	£44.20

### BSF Taps - Set of 3

ISO-529

[CLICK FOR PDF 1155](#)
**SAVE BETWEEN 80-82%**
**SAVE BETWEEN 80-82%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-503-322	1/4 x 26	£66.20	£11.90
21-503-323	5/16 x 22	£78.80	£14.20
21-503-324	3/8 x 20	£95.20	£17.20
21-503-325	7/16 x 18	£142.80	£25.70
21-503-326	1/2 x 16	£124.20	£22.40
21-503-327	9/16 x 16	£212.00	£38.20
21-503-328	5/8 x 14	£186.00	£33.50
21-503-329	3/4 x 12	£274.00	£49.30

### Metric Coarse Taps - Individuals

ISO-529

[CLICK FOR PDF 1150](#)
**SAVE UP TO 82%**
**SAVE UP TO 82%**

Order Code	Size & Pitch	Type	Price EACH	Offer EACH
21-500-031	3 x 0.5	Taper	£16.00	£2.90
21-500-032	3 x 0.5	2nd	£16.00	£2.90
21-500-033	3 x 0.5	Plug	£16.00	£2.90
21-500-041	4 x 0.7	Taper	£14.10	£2.55
21-500-042	4 x 0.7	2nd	£14.10	£2.55
21-500-043	4 x 0.7	Plug	£14.10	£2.55
21-500-051	5 x 0.8	Taper	£15.80	£2.85
21-500-052	5 x 0.8	2nd	£15.80	£2.85
21-500-053	5 x 0.8	Plug	£15.80	£2.85
21-500-061	6 x 1.0	Taper	£15.60	£2.80
21-500-062	6 x 1.0	2nd	£15.60	£2.80
21-500-063	6 x 1.0	Plug	£15.60	£2.80
21-500-081	8 x 1.25	Taper	£18.00	£3.60
21-500-082	8 x 1.25	2nd	£18.00	£3.60
21-500-083	8 x 1.25	Plug	£18.00	£3.60
21-500-101	10 x 1.5	Taper	£21.20	£4.50
21-500-102	10 x 1.5	2nd	£21.20	£4.50
21-500-103	10 x 1.5	Plug	£21.20	£4.50
21-500-121	12 x 1.75	Taper	£28.90	£6.50
21-500-122	12 x 1.75	2nd	£28.90	£6.50
21-500-123	12 x 1.75	Plug	£28.90	£6.50
21-500-141	14 x 2.0	Taper	£38.00	£7.10
21-500-142	14 x 2.0	2nd	£38.00	£7.10
21-500-143	14 x 2.0	Plug	£38.00	£7.10
21-500-161	16 x 2.0	Taper	£43.50	£8.20
21-500-162	16 x 2.0	2nd	£43.50	£8.20
21-500-163	16 x 2.0	Plug	£43.50	£8.20
21-500-201	20 x 2.5	Taper	£69.20	£14.00
21-500-202	20 x 2.5	2nd	£69.20	£14.00
21-500-203	20 x 2.5	Plug	£69.20	£14.00

### Metric Fine Second Taps

ISO-529

[CLICK FOR PDF 1151](#)
**SAVE BETWEEN 83-84%**
**SAVE BETWEEN 83-84%**

Order Code	Size & Pitch	Type	Price EACH	Offer EACH
21-505-652	5.0 x 0.5	2nd	£22.60	£3.60
21-505-667	6.0 x 0.75	2nd	£22.40	£3.60
21-505-682	8.0 x 0.75	2nd	£31.00	£4.95
21-505-687	8.0 x 1.0	2nd	£25.90	£4.15
21-505-702	10.0 x 1.0	2nd	£30.20	£4.85
21-505-707	10.0 x 1.25	2nd	£30.20	£4.85
21-505-722	12.0 x 1.25	2nd	£41.40	£6.60
21-505-727	12.0 x 1.5	2nd	£41.40	£6.60
21-505-742	14.0 x 1.5	2nd	£54.40	£8.70
21-505-752	16.0 x 1.5	2nd	£62.10	£9.90
21-505-762	18.0 x 1.0	2nd	£108.00	£17.30
21-505-772	18.0 x 1.5	2nd	£90.90	£14.50
21-505-782	20.0 x 1.5	2nd	£98.70	£15.80
21-505-792	25.0 x 1.5	2nd	£144.00	£23.00
21-505-802	30.0 x 1.5	2nd	£220.00	£35.20

### UNF Taps - Set of 3

ISO-529

[CLICK FOR PDF 1153](#)
**SAVE BETWEEN 80-82%**
**SAVE BETWEEN 80-82%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-504-462	1/4 x 28	£60.00	£10.80
21-504-463	5/16 x 24	£68.30	£12.30
21-504-464	3/8 x 24	£84.90	£15.30
21-504-465	7/16 x 20	£124.00	£22.30
21-504-466	1/2 x 20	£110.00	£19.80
21-504-467	9/16 x 18	£186.00	£33.50
21-504-468	5/8 x 18	£168.00	£30.20
21-504-469	3/4 x 16	£244.00	£43.90

### UNC Taps - Set of 3

ISO-529

[CLICK FOR PDF 1152](#)
**SAVE BETWEEN 80-81%**
**SAVE BETWEEN 80-81%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-507-742	1/4 x 20	£51.80	£9.80
21-507-743	5/16 x 18	£60.00	£11.40
21-507-744	3/8 x 16	£73.70	£14.00
21-507-745	7/16 x 14	£107.60	£20.40
21-507-746	1/2 x 13	£95.20	£18.10
21-507-747	9/16 x 12	£161.50	£30.70
21-507-748	5/8 x 11	£145.00	£27.60
21-507-749	3/4 x 10	£213.00	£40.50

### Metric Fine Taps - Set of 3

ISO-529

[CLICK FOR PDF 1151](#)
**SAVE 84%**
**SAVE 84%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-505-630	3.0 x 0.35	£64.00	£10.20
21-505-640	4.0 x 0.5	£57.40	£9.20
21-505-650	5.0 x 0.5	£62.00	£9.90
21-505-660	6.0 x 0.5	£71.40	£11.40
21-505-665	6.0 x 0.75	£59.00	£9.40
21-505-680	8.0 x 0.75	£82.80	£13.20
21-505-685	8.0 x 1.0	£67.70	£10.80
21-505-700	10.0 x 1.0	£80.10	£12.80
21-505-705	10.0 x 1.25	£82.80	£13.20
21-505-720	12.0 x 1.25	£109.70	£17.50
21-505-725	12.0 x 1.5	£109.70	£17.50

### NPT Taps Ansi 94.9

ISO-529

[CLICK FOR PDF 1156](#)
**SAVE 78%**
**SAVE 78%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-508-901	1/16 x 27	£46.00	£10.10
21-508-902	1/8 x 27	£40.40	£8.90
21-508-903	1/4 x 18	£53.80	£11.80
21-508-904	3/8 x 18	£79.50	£17.50
21-508-905	1/2 x 1/4	£114.00	£25.10
21-508-907	1 x 11	£282.00	£62.00

### HSS Spiral Point Taps

#### ISO-529 - Individual



**SAVE 80%**



#### HSS Spiral Point Taps

##### ISO-529

**SAVE 79%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-511-030	3 x 0.5	£18.80	£3.80
21-511-035	3.5 x 0.50	£18.80	£3.80
21-511-040	4 x 0.7	£18.00	£3.60
21-511-050	5 x 0.8	£19.90	£4.00
21-511-060	6 x 1.0	£20.30	£4.10
21-511-070	7 x 1.0	£29.60	£5.90
21-511-080	8 x 1.25	£23.40	£4.70
21-511-090	9 x 1.25	£26.30	£5.30
21-511-100	10 x 1.5	£27.30	£5.50
21-511-120	12 x 1.75	£36.40	£7.30
21-511-140	14 x 2.0	£50.90	£10.20
21-511-160	16 x 2.0	£59.60	£11.90

### HSS Spiral Flute Taps

#### ISO-529 - Individual



**SAVE 80%**



#### HSS Spiral Flute Taps

##### ISO-529

**SAVE 80%**

Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-522-031	3 x 0.5	£27.30	£5.20
21-522-035	3.5 x 0.6	£30.00	£5.70
21-522-041	4 x 0.7	£24.60	£4.70
21-522-051	5 x 0.8	£27.70	£5.30
21-522-061	6 x 1.0	£27.30	£5.20
21-522-081	8 x 1.25	£31.70	£6.00
21-522-101	10 x 1.5	£35.40	£6.70
21-522-121	12 x 1.75	£50.70	£9.60

## Metric Coarse Dies BS 1127

**APPLICATION:**  
Used for threading bolts, studs, rods and other applications that require external threads

**TECHNICAL:**  
• HSS Circular Split Dies • Manufactured to BS 1127  
• Tolerance 6g • Silver finish



**SAVE UP TO 80%**

#### Metric Coarse Circular Split Dies

Order Code	Size & Pitch (mm)	Out-side Dia (")	Price EACH	Offer EACH
21-600-025	2.5 x 0.45	13/16	£65.40	£13.10
21-600-030	3 x 0.5	13/16	£38.10	£7.60
21-600-035	3.5 x 0.6	13/16	£47.80	£9.60
21-600-040	4 x 0.7	13/16	£38.10	£7.60
21-600-045	4.5 x 0.75	13/16	£47.80	£9.60
21-600-050	5 x 0.8	13/16	£38.10	£7.60
21-600-060	6 x 1.0	1	£45.50	£9.10
21-600-070	7 x 1.0	1	£57.50	£11.50
21-600-080	8 x 1.25	1	£45.50	£9.10
21-600-100	10 x 1.5	1	£45.50	£9.10
21-600-125	12 x 1.75	1	£46.80	£9.40
21-600-120	12 x 1.75	1-5/16	£66.60	£13.30
21-600-140	14 x 2.0	1-5/16	£81.60	£16.30
21-600-160	16 x 2.0	1-1/2	£77.80	£15.60
21-600-180	18 x 2.5	1-1/2	£114.80	£28.70
21-600-200	20 x 2.5	1-1/2	£114.80	£28.70
21-600-220	22 x 2.5	2	£114.80	£28.70
21-600-240	24 x 3.0	2	£114.80	£28.70
21-600-270	27 x 3.0	2	£114.80	£28.70
21-600-300	30 x 3.5	2	£114.80	£28.70

#### UNF Dies BS1127

Order Code	Size & Pitch (mm)	Out-side Dia (")	Price EACH	Offer EACH
21-630-011	1/4 x 28	13/16	£48.40	£9.70
21-630-012	5/16 x 24	1	£57.50	£11.50
21-630-013	3/8 x 24	1	£57.50	£11.50
21-630-014	7/16 x 20	1-5/16	£84.00	£16.80
21-630-015	1/2 x 20	1-5/16	£84.00	£16.80
21-630-016	5/8 x 18	2	£145.00	£36.20
21-630-017	3/4 x 16	2	£145.00	£36.20

#### UNC Dies BS1127

Order Code	Size & Pitch (mm)	Out-side Dia (")	Price EACH	Offer EACH
21-620-001	1/4 x 20	13/16	£42.60	£8.50
21-620-002	5/16 x 18	1	£50.90	£10.20
21-620-003	3/8 x 16	1	£50.90	£10.20
21-620-004	7/16 x 14	1-5/16	£74.50	£14.90
21-620-005	1/2 x 13	1-5/16	£74.50	£14.90
21-620-007	5/8 x 11	2	£129.60	£32.40
21-620-008	3/4 x 10	2	£129.60	£32.40

#### Metric Fine Circular Split Dies

Order Code	Size & Pitch (mm)	Out-side Dia (")	Price EACH	Offer EACH
21-610-030	3 x 0.35	13/16	£79.30	£15.90
21-610-040	4 x 0.5	13/16	£51.30	£10.30
21-610-050	5 x 0.5	13/16	£51.30	£10.30
21-610-060	6 x 0.75	13/16	£51.30	£10.30
21-610-065	6.0 x 0.5	13/16	£51.30	£10.30
21-610-070	7 x 0.75	13/16	£51.30	£10.30
21-610-080	8 x 1.0	1	£60.90	£12.20
21-610-085	8 x 0.75	1	£77.40	£15.50
21-610-100	10 x 1.0	1	£60.90	£12.20
21-610-102	10.0 x 0.75	1	£77.40	£15.50
21-610-105	10 x 1.25	1	£60.90	£12.20
21-610-120	12 x 1.0	1-5/16	£90.30	£18.10
21-610-125	12 x 1.25	1-5/16	£90.30	£18.10
21-610-128	12 x 1.5	1-5/16	£90.30	£18.10
21-610-140	14 x 1.5	1-5/16	£90.30	£18.10
21-610-145	14 x 1.0	1-5/16	£90.30	£18.10
21-610-148	14 x 1.25	1-5/16	£90.30	£18.10
21-610-160	16 x 1.5	1-1/2	£105.20	£21.10
21-610-165	16 x 1.0	1-1/2	£105.20	£21.10
21-610-180	18 x 1.5	1-1/2	£105.20	£21.10
21-610-185	18 x 1.0	1-1/2	£105.20	£21.10
21-610-200	20 x 1.5	1-1/2	£105.20	£21.10
21-610-205	20 x 1.0	1-1/2	£105.20	£21.10
21-610-220	22 x 1.5	2	£154.80	£38.70
21-610-240	24 x 1.5	2	£154.80	£38.70
21-610-245	24 x 2.0	2	£154.80	£38.70
21-610-300	30 x 2.0	2	£154.80	£38.70

#### BSW Dies BS1127

Order Code	Size & Pitch (mm)	Out-side Dia (")	Price EACH	Offer EACH
21-640-031	1/4 x 20	13/16	£53.80	£10.80
21-640-032	5/16 x 18	1	£62.90	£12.60
21-640-033	3/8 x 16	1	£62.90	£12.60
21-640-034	7/16 x 14	1-5/16	£90.70	£18.10
21-640-035	1/2 x 12	1-5/16	£90.70	£18.10
21-640-036	9/16 x 12	1-5/16	£90.70	£18.10
21-640-037	5/8 x 11	1-1/2	£110.50	£22.10
21-640-038	3/4 x 10	2	£140.30	£35.10

#### BSF Dies BS1127

Order Code	Size & Pitch (mm)	Out-side Dia (")	Price EACH	Offer EACH
21-650-041	1/4 x 26	13/16	£55.90	£11.20
21-650-042	5/16 x 22	1	£65.80	£13.20
21-650-043	3/8 x 20	1	£65.80	£13.20
21-650-044	7/16 x 18	1-5/16	£96.90	£19.40
21-650-045	1/2 x 16	1-5/16	£96.90	£19.40
21-650-046	9/16 x 16	1-5/16	£96.90	£19.40
21-650-047	5/8 x 14	1-1/2	£114.70	£22.90
21-650-048	3/4 x 12	2	£140.80	£35.20



### Metric Coarse Die Nuts

- For reclamation of screw threads
- Tolerance 6g
- BS 1127:1950
- Chamfer lead: 1.5 threads
- Cutting rake 3°



SAVE UPTO **85%**

BS 1127			
Order Code	Size & Pitch (mm)	Price EACH	Offer EACH
21-690-030	M3 x 0.5	£76.60	£10.70
21-690-040	M4 x 0.7	£70.40	£9.90
21-690-050	M5 x 0.8	£64.20	£9.00
21-690-060	M6 x 1.00	£43.90	£6.80
21-690-080	M8 x 1.25	£52.60	£7.40
21-690-100	M10 x 1.5	£59.60	£9.40
21-690-120	M12 x 1.75	£72.50	£11.80
21-690-140	M14 x 2.00	£89.80	£20.60
21-690-160	M16 x 2.00	£89.80	£20.60
21-690-180	M18 x 2.5	£110.00	£27.50
21-690-200	M20 x 2.5	£110.00	£27.50

### Metric Coarse Die Nuts Sets

- 2 sets available
- For reclamation of screw threads
- Tolerance 6g
- BS 1127:1950
- Chamfer lead: 1.5 threads
- Cutting rake 3°
- Supplied in deluxe fitted case

CLICK FOR PDF **1078**

SAVE **85%**



Order Code 21-690-SET	Description/Size 5 Piece Set
List Price £292.80	Offer Price £43.90
Order Code 21-699-SET	Description/Size 7 Piece Set
List Price £439.80	Offer Price £64.80

### HSS Die Set

- TECHNICAL:
- 7 individual HSS split HSS dies, metric coarse threads
  - M3, M4, M5, M6, M8, M10 & M12
  - Two Die Stocks (13/16" & 1") Suitable for holding above dies
  - Complete in fitted deluxe case

SAVE **80%**



Order Code 21-650-SET	Description/Size M3-M12 Die Set
List Price £308.40	Offer Price £61.70

### HSS-Co Disposable Short Series End Mills BS 122/4

- 3 flute short series end mills
- BS 122/4
- M35 5% cobalt content
- Flatted shank



SAVE **53%**

CLICK FOR PDF **1381**

Order Code	Size	Flute Lgth	O/A Lgth	Price EACH	Offer EACH
31-068-010	1.0	2.0	24.5	£13.70	£6.40
31-068-015	1.5	2.5	24.5	£10.70	£5.00
31-068-020	2.0	3.0	25.5	£9.80	£4.60
31-068-025	2.5	4.0	26.0	£9.80	£4.60
31-068-030	3.0	4.5	28.0	£9.30	£4.40
31-068-035	3.5	5.5	30.0	£9.30	£4.40
31-068-040	4.0	6.5	32.5	£9.30	£4.40
31-068-045	4.5	7.5	36.0	£9.30	£4.40
31-068-050	5.0	7.5	36.0	£9.30	£4.40
31-068-055	5.5	7.5	36.0	£9.30	£4.40
31-068-060	6.0	9.5	36.0	£9.30	£4.40
31-068-080	8.0	11.0	47.5	£20.10	£9.40
31-068-100	10.0	13.0	51.5	£20.10	£9.40
31-068-120	12.0	23.0	70.0	£27.70	£13.00

### HSS Screwed Shank End Mills BS 122/4

- 4 flute screwed shank end mills
- BS 122/4
- Centre cutting upto 12mm dia



SAVE **70%**

CLICK FOR PDF **1381**

Order Code	Size	Flute Lgth	O/A Lgth	Price EACH	Offer EACH
31-425-020	2.0	3.0	49.0	£21.80	£6.60
31-425-025	2.5	6.5	51.0	£21.80	£6.60
31-425-030	3.0	9.5	54.0	£16.60	£5.00
31-425-035	3.5	12.5	57.0	£16.60	£5.00
31-425-040	4.0	12.5	57.0	£16.60	£5.00
31-425-050	5.0	16.0	60.5	£16.60	£5.00
31-425-060	6.0	16.0	60.5	£16.60	£5.00
31-425-070	7.0	16.0	60.5	£21.80	£6.60
31-425-080	8.0	18.0	63.5	£21.80	£6.60
31-425-090	9.0	21.0	66.5	£21.80	£6.60
31-425-100	10.0	21.0	66.5	£31.30	£9.40
31-425-110	11.0	21.0	66.5	£31.30	£9.40
31-425-120	12.0	24.0	70.0	£31.30	£9.40
31-425-140	14.0	28.5	73.0	£37.80	£11.30
31-425-160	16.0	26.5	77.0	£50.30	£15.10
31-425-180	18.0	35.0	80.0	£60.40	£18.20
31-425-200	20.0	38.0	83.5	£80.10	£24.00

### HSS-Co Disposable Long Series End Mills BS 122/4

- 3 flute disposable long series end mills
- BS 122/4
- M35 5% cobalt content
- Flatted shank



SAVE **53%**

CLICK FOR PDF **1381**

Order Code	Size	Flute Lgth	O/A Lgth	Price EACH	Offer EACH
31-043-015	1.5	4.0	28.0	£10.70	£5.00
31-043-020	2.0	4.5	29.0	£10.00	£4.70
31-043-025	2.5	6.5	32.0	£10.00	£4.70
31-043-030	3.0	7.5	34.0	£9.50	£4.50
31-043-035	3.5	8.5	36.0	£9.50	£4.50
31-043-040	4.0	9.5	39.0	£9.50	£4.50
31-043-045	4.5	11.5	42.0	£9.50	£4.50
31-043-050	5.0	12.5	44.0	£9.50	£4.50
31-043-055	5.5	14.5	46.0	£9.50	£4.50
31-043-060	6.0	16.0	48.0	£9.50	£4.50
31-043-080	8.0	19.0	55.0	£18.20	£8.50
31-043-100	10.0	22.5	61.0	£18.20	£8.50

### HSS Screwed Shank Slot Drills BS 122/4

- 2 flute screwed shank slot drills
- BS 122/4
- Centre cutting



SAVE **70%**

CLICK FOR PDF **1381**

Order Code	Size	Flute Lgth	O/A Lgth	Price EACH	Offer EACH
31-122-020	2.0	3.0	49.0	£16.60	£5.00
31-122-030	3.0	7.0	51.0	£16.60	£5.00
31-122-040	4.0	9.5	52.5	£16.60	£5.00
31-122-050	5.0	9.5	52.5	£16.60	£5.00
31-122-060	6.0	11.0	56.5	£16.60	£5.00
31-122-070	7.0	11.0	58.5	£23.30	£7.00
31-122-080	8.0	12.5	59.5	£23.30	£7.00
31-122-100	10.0	14.5	60.5	£23.30	£7.00
31-122-120	12.0	19.0	66.5	£31.60	£9.50
31-122-140	14.0	22.0	68.5	£37.60	£11.30
31-122-160	16.0	22.0	72.0	£45.80	£13.70
31-122-180	18.0	24.0	74.0	£54.90	£16.50
31-122-200	20.0	25.5	77.0	£70.80	£21.20

### Revolving Centres



**SAVE 30%**



- Manufactured from high quality tool steel
- Hardened & tempered
- Precision ground externally
- 60 degree point
- Maximum runout: 0.005mm

CLICK FOR  
**PDF 1044**

Order Code	Morse Taper	Point Dia	Max Lgth	Max Speed	Max Point Dia	List Price	Offer Each
RC-02	MT2	26	5000	18	£51.30	<b>£35.90</b>	
RC-03	MT3	36	4000	25	£61.30	<b>£42.90</b>	
RC-04	MT4	41	3000	27.5	£68.90	<b>£48.20</b>	

### Carbide Tipped Dead Centres Din 806



**SAVE 35%**



- Manufactured from high quality tool steel
- Hardened & ground
- Carbide Tipped 60 degree point
- Mounting tapers accurate to DIN 806
- Tolerance Class AT5

PDF  
**1046**

DIN 806			
Order Code	Description/Size	Price EACH	Offer EACH
DC-1CT	MT 1	£17.60	<b>£11.40</b>
DC-2CT	MT 2	£19.90	<b>£12.90</b>
DC-3CT	MT 3	£27.00	<b>£17.50</b>
DC-4CT	MT 4	£40.20	<b>£26.10</b>
DC-5CT	MT 5	£82.00	<b>£53.30</b>

### Screw Extractor/HSS Drills 12 Piece Set M3-M25



**SAVE 40%**



- 12 piece set, includes:
- 6 screw extractors, 3mm-25mm, M3-M18 Alloy Steel, M18-M25 Carbon Steel
- 6 HSS Fully Ground Jobber Drills: 2.5, 3.3, 4.2, 5, 6.8 & 9.5mm
- Housed in a plastic box

CLICK FOR  
**PDF 1205**

Order Code	Description/Size
21-740-KIT	Screw Extractor Set
List Price	<b>Offer Price</b>
£34.80	<b>£20.90</b>

### Extended Revolving Centres



**SAVE 25%**



- Manufactured from high quality tool steel
- Hardened & ground
- 60 degree point
- Fully sealed bearings

CLICK FOR  
**PDF 1044**

Order Code	Morse Taper	Point Dia	Max Lgth	Max Speed	Max Point Dia	List Price	Offer Each
RCE-02	MT2	32	5000	17.5	£81.20	<b>£60.90</b>	
RCE-03	MT3	42	4000	24.5	£93.60	<b>£70.20</b>	

### External Dead Centres



**SAVE 35%**



- Manufactured from high quality tool steel
- Hardened & ground
- 60 degree point
- Mounting tapers accurate to DIN 806
- Tolerance Class AT5

DIN 806			
Order Code	Description/Size	Price EACH	Offer EACH
DC-1	MT 1	£6.40	<b>£4.20</b>
DC-2	MT 2	£7.30	<b>£4.80</b>
DC-3	MT 3	£9.00	<b>£5.80</b>
DC-4	MT 4	£16.00	<b>£10.40</b>
DC-5	MT 5	£28.00	<b>£18.20</b>

### Screw Extractor Set 5 piece M3-M18 Alloy Steel



**SAVE 40%**



- For extracting screws and studs of medium tensile strength
- 5 piece set, includes:
- 5 Screw Extractors Nos. 1 – 5, Range M3 – M18: Fast Spiral
- Material: Alloy Steel GCR15
- Hardness: HRC 50-60

CLICK FOR  
**PDF 1204**

Order Code	Description/Size
21-740-SETR	Screw Extractor Set
List Price	<b>Offer Price</b>
£14.00	<b>£8.40</b>

### HSS Screwed Shank End Mill Sets BS 122/4



**SAVE 70%**



- Screwed shank end mills
- Full specification, see above 31-425 Range
- 4 flute BS 122/4 centre cutting
- 5 piece set includes sizes: 8/10/12/16&20mm
- 10 piece set includes sizes: 3/4/6/8/10/12/14/16/18 & 20mm

CLICK FOR  
**PDF 1381**

Order Code	Description/Size
31-425-SET	5 Piece Set
List Price	<b>Offer Price</b>
£210.00	<b>£63.20</b>
31-425-BOX	10 Piece Set
List Price	<b>Offer Price</b>
£354.00	<b>£106.80</b>

### HSS Screwed Shank Slot Drill Sets BS 122/4



**SAVE 70%**



- BS 122/4 screwed shank slot drills
- Full specification, see above 31-122 Range
- 6 piece set includes sizes: 3/4/6/8/10 & 12mm
- 10 piece set includes sizes: 4/5/6/8/10/12/14/16/18 & 20mm

CLICK FOR  
**PDF 1381**

Order Code	Description/Size
31-122-BOX	6 Piece Set
List Price	<b>Offer Price</b>
£124.80	<b>£37.70</b>
31-122-SET	10 Piece Set
List Price	<b>Offer Price</b>
£331.20	<b>£100.60</b>

### Screw Extractor Set 5 piece M3-M18 Carbon Steel



**SAVE 40%**



- For extracting screws and studs of medium tensile strength
- 5 piece set, includes:
- 5 Screw Extractors Nos. 1 – 5, Range M3 – M18: Slow Spiral
- Material: 45# Carbon Steel
- Hardness: HRC 35-40

CLICK FOR  
**PDF 1204**

Order Code	Description/Size
21-740-SET	Screw Extractor Set
List Price	<b>Offer Price</b>
£6.60	<b>£3.95</b>

## Bar Turning Tools ISO 1



SAVE 30%

- Carbide Tipped Brazed Bar Turning Tools
- Similar to BHMA 130-147
- Grade P30, suitable for machining steel in low to moderate cutting speeds

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-842-100	10 x 10 x 90	R/H	P30	£5.00	£3.50
29-842-101	12 x 12 x 100	R/H	P30	£6.50	£4.50
29-842-103	16 x 16 x 110	R/H	P30	£8.80	£6.20
29-842-105	20 x 20 x 125	R/H	P30	£11.30	£7.90



ISO 1

DIN 4971

P30

PDF 1160

## Cranked Turning & Facing Tools ISO 2



SAVE 30%

- Carbide Tipped Brazed Cranked Turning & Facing Tools
- Similar to BHMA 190-207
- Grade P30, suitable for machining steel in low to moderate cutting speeds
- Grade K20, suitable for machining cast iron and short chip materials under moderate speeds and feeds

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-843-200	10 x 10 x 90	R/H	P30	£5.40	£3.80
29-843-202	12 x 12 x 100	R/H	P30	£8.20	£5.70
29-843-203	12 x 12 x 100	L/H	P30	£8.20	£5.70
29-843-205	16 x 16 x 110	R/H	P30	£9.80	£6.90
29-843-210	20 x 20 x 125	R/H	P30	£15.40	£10.80
29-843-221	20 x 20 x 125	L/H	P30	£15.40	£10.80
29-843-211	20 x 20 x 125	R/H	K20	£15.40	£10.80
29-843-225	25 x 25 x 140	R/H	P30	£23.60	£16.50
29-843-226	25 x 25 x 140	L/H	P30	£23.60	£16.50



ISO 2

DIN 4972

P30

K20

PDF 1161

## Cranked Knife Tools ISO 3



SAVE 30%

- Carbide Tipped Brazed Cranked Knife Tools
- Similar to BHMA 162-177
- Grade P30, suitable for machining steel in low to moderate cutting speeds
- Grade K20, suitable for machining cast iron and short chip materials under moderate speeds and feeds

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-846-571	12 x 12 x 100	R/H	P30	£8.60	£6.00
29-846-570	12 x 12 x 100	L/H	P30	£8.60	£6.00
29-846-572	12 x 12 x 100	R/H	K20	£8.60	£6.00
29-846-573	16 x 10 x 110	R/H	P30	£8.60	£6.00
29-846-575	20 x 12 x 140	R/H	P30	£12.90	£9.00
29-846-576	20 x 20 x 125	R/H	K20	£12.90	£9.00
29-846-577	20 x 20 x 140	L/H	P30	£12.90	£9.00



ISO 3

DIN 4978

P30

K20

PDF 1162

## Recessing Tools ISO 4



SAVE 30%

- Carbide Tipped Brazed Recessing Tools
- Grade P30, suitable for machining steel in low to moderate cutting speeds

Order Code	Size (mm) H x W x L	Grade	Price EACH	Offer EACH
29-850-934	10 x 10 x 90	P30	£6.60	£4.60
29-850-936	12 x 12 x 100	P30	£7.60	£5.30
29-850-940	16 x 16 x 110	P30	£11.90	£8.30
29-850-942	20 x 20 x 125	P30	£18.20	£12.70
29-850-944	25 x 25 x 140	P30	£30.10	£21.00



ISO 4

DIN 4976

P30

PDF 1163

## Cranked Facing Tools ISO 5



SAVE 30%

- Carbide Tipped Brazed Cranked Facing Tools
- Grade P30, suitable for machining steel in low to moderate cutting speeds

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-841-002	16 x 16 x 110	R/H	P30	£10.80	£7.60
29-841-003	16 x 16 x 110	L/H	P30	£10.80	£7.60
29-841-004	20 x 20 x 125	R/H	P30	£15.80	£11.10
29-841-006	20 x 20 x 125	L/H	P30	£15.80	£11.10
29-841-010	25 x 25 x 140	R/H	P30	£26.80	£18.80



ISO 5

DIN 4977

P30

PDF 1164

## Cranked Knife Tools ISO 6



SAVE 30%

- Carbide Tipped Brazed Cranked Knife Tools
- Similar to BHMA 2130-2147

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-848-765	10 x 10 x 90	R/H	P30	£6.50	£4.50
29-848-767	10 x 10 x 90	L/H	P30	£6.50	£4.50
29-848-769	10 x 10 x 90	R/H	K20	£6.50	£4.50
29-848-771	12 x 12 x 100	R/H	P30	£7.80	£5.40
29-848-782	12 x 12 x 100	L/H	P30	£7.80	£5.40
29-848-772	12 x 12 x 100	R/H	K20	£7.80	£5.40
29-848-775	16 x 16 x 110	R/H	P30	£9.10	£6.40
29-848-784	16 x 16 x 110	L/H	P30	£9.10	£6.40
29-848-774	16 x 16 x 110	R/H	K20	£9.10	£6.40
29-848-779	20 x 20 x 125	R/H	P30	£14.20	£9.90
29-848-786	20 x 20 x 125	L/H	P30	£14.20	£9.90
29-848-776	20 x 20 x 125	R/H	K20	£14.20	£9.90
29-848-777	25 x 25 x 140	R/H	P30	£24.90	£17.40
29-848-778	25 x 25 x 140	L/H	P30	£24.90	£17.40



ISO 6

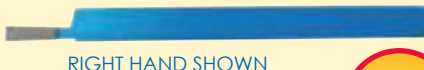
DIN 4960

P30

K20

PDF 1165

### Brazed Parting Off Tools ISO 7



RIGHT HAND SHOWN

- Carbide Tipped Brazed Parting Off Tools
- Similar to BHMA 260-274

SAVE  
**30%**

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-844-325	12 x 8 x 100	R/H	P30	£8.20	<b>£5.70</b>
29-844-326	12 x 8 x 100	L/H	P30	£8.20	<b>£5.70</b>
29-844-327	12 x 8 x 100	R/H	K20	£8.20	<b>£5.70</b>
29-844-331	16 x 10 x 110	R/H	P30	£9.20	<b>£6.40</b>
29-844-330	16 x 10 x 110	L/H	P30	£9.20	<b>£6.40</b>
29-844-332	16 x 10 x 110	R/H	K20	£9.20	<b>£6.40</b>
29-844-333	20 x 12 x 125	R/H	P30	£11.90	<b>£8.30</b>
29-845-461	20 x 12 x 125	L/H	P30	£11.90	<b>£8.30</b>
29-844-334	20 x 12 x 125	R/H	K20	£11.90	<b>£8.30</b>
29-844-335	25 x 16 x 140	R/H	P30	£17.70	<b>£12.40</b>
29-845-463	25 x 16 x 140	L/H	P30	£17.70	<b>£12.40</b>
29-844-336	25 x 16 x 140	R/H	K20	£17.70	<b>£12.40</b>

ISO  
7

DIN  
4981

P30

K20

PDF  
1166

### Rough Boring Tools ISO 8



RIGHT HAND SHOWN

- Carbide Tipped Brazed Rough Boring Tools
- Grade P30, suitable for machining steel in low to moderate cutting speeds
- Grade K20, suitable for machining cast iron and short chip materials under moderate speeds and feeds

SAVE  
**30%**

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-863-682	8 x 8 x 125	R/H	P30	£9.20	<b>£6.40</b>
29-863-684	10 x 10 x 150	R/H	P30	£10.10	<b>£7.10</b>
29-863-712	16 x 16 x 210	R/H	P30	£11.20	<b>£7.80</b>
29-863-713	16 x 16 x 210	R/H	K20	£11.20	<b>£7.80</b>
29-863-714	20 x 20 x 250	R/H	P30	£18.20	<b>£12.70</b>

ISO  
8

DIN  
4973

P30

K20

PDF  
1167

### Inside Corner Tools ISO 9



RIGHT HAND SHOWN

- Carbide Tipped Inside Corner Tools
- Grade P30, suitable for machining steel in low to moderate cutting speeds

SAVE  
**30%**

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-863-715	8 x 8 x 125	R/H	P30	£9.20	<b>£6.40</b>
29-863-716	10 x 10 x 150	R/H	P30	£10.00	<b>£7.00</b>
29-863-717	12 x 12 x 180	R/H	P30	£10.80	<b>£7.50</b>
29-863-718	16 x 16 x 210	R/H	P30	£11.20	<b>£7.80</b>
29-863-719	20 x 20 x 250	R/H	P30	£18.20	<b>£12.70</b>

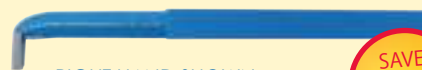
ISO  
9

DIN  
4974

P30

PDF  
1168

### Internal Undercutting Tools ISO 11



RIGHT HAND SHOWN

- Carbide Tipped Brazed Internal Undercutting Tools
- Grade P30, suitable for machining steel in low to moderate cutting speeds
- Grade K20, suitable for machining cast iron and short chip materials under moderate speeds and feeds

SAVE  
**30%**

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-875-360	10 x 10 x 150	R/H	P30	£9.20	<b>£6.40</b>
29-875-362	10 x 10 x 150	R/H	K20	£9.20	<b>£6.40</b>
29-875-366	12 x 12 x 180	R/H	P30	£13.40	<b>£9.40</b>
29-875-370	16 x 16 x 210	R/H	P30	£18.20	<b>£12.70</b>
29-875-372	16 x 16 x 210	R/H	K20	£18.20	<b>£12.70</b>
29-875-376	20 x 20 x 250	R/H	P30	£26.20	<b>£18.30</b>
29-875-380	25 x 25 x 300	R/H	P30	£35.60	<b>£24.90</b>

ISO  
11

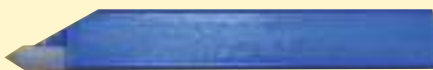
DIN  
263

P30

K20

PDF  
1169

### External Threading Tools ISO 12



RIGHT HAND SHOWN

- Carbide Tipped Brazed External Threading Tools
- 60 degrees for metric and unified threads
- Grade P30, suitable for machining steel in low to moderate cutting speeds

SAVE  
**30%**

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-877-100	10 x 10 x 90	R/H	P30	£7.70	<b>£5.40</b>
29-877-101	12 x 12 x 100	R/H	P30	£11.10	<b>£7.80</b>
29-877-102	16 x 16 x 110	R/H	P30	£13.60	<b>£9.50</b>
29-877-103	20 x 20 x 125	R/H	P30	£19.60	<b>£13.70</b>
29-877-104	25 x 25 x 140	R/H	P30	£34.10	<b>£23.90</b>

ISO  
12

DIN  
283

P30

PDF  
1170

### Internal Threading Tools ISO 13



RIGHT HAND SHOWN

- Carbide Tipped Brazed Internal Threading Tools
- 60 degrees for metric and unified threads
- Grade P30, suitable for machining steel in low to moderate cutting speeds

SAVE  
**30%**

Order Code	Size (mm) H x W x L	Cut	Grade	Price EACH	Offer EACH
29-878-452	10 x 10 x 150	R/H	P30	£9.20	<b>£6.40</b>
29-878-456	12 x 12 x 180	R/H	P30	£13.40	<b>£9.40</b>
29-878-460	16 x 16 x 210	R/H	P30	£24.50	<b>£17.20</b>
29-878-464	20 x 20 x 250	R/H	P30	£25.60	<b>£17.90</b>
29-878-470	25 x 25 x 300	R/H	P30	£34.30	<b>£24.00</b>

ISO  
13

DIN  
283

P30

PDF  
1171

## RECENT INTRODUCTION

### Reversible Electronic Digital Caliper 150mm/6"



- Unique flip up display that enables you to use the Caliper either left or right hand
- Simply flip the screen over and press the digit rotate button to use as a left handed Caliper
- Versatile Caliper for many applications
- Measures 0-150mm / 0-6" Resolution 0.01mm / 0.0005"
- 1 x CR2032 battery (included)
- Complete in a fitted case with a spare battery

Order Code <b>49-205-150</b>	Description 150mm/6"
List Price £129.90	<b>Offer Price</b> £89.95

CLICK FOR  
**PDF**  
**1498**

SAVE  
**30%**

## Recent Introduction

### Bifocal Magnification Illuminated Pull-Out Magnifier

CLICK FOR  
**PDF**  
**1504**



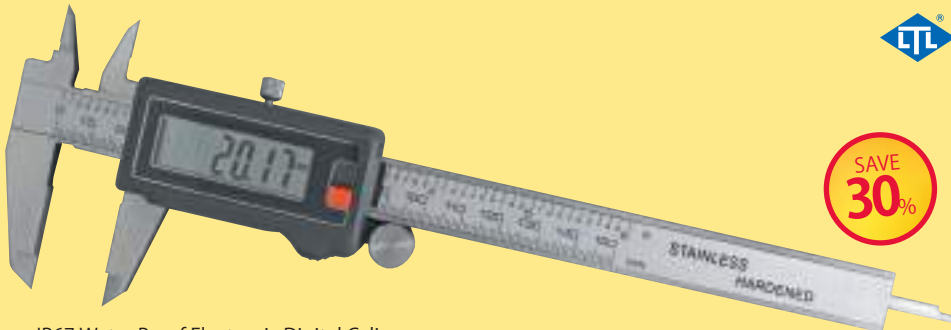
- Primary Acrylic Lens Mag (3x) & Dimensions (2" x 2")
- Secondary Acrylic Spot Lens Mag (6x) & Dia (3/4")
- Bright White LED
- Sliding ON/OFF Switch
- Closed dimensions: 2-1/2" x 3-3/4"
- Fully opened dimensions: 2-1/2" x 6-1/2"
- 3 x AG10 Batteries & Lanyard Included

Order Code <b>59-680-030</b>	Description/Size Bifocal Magnifier
List Price £4.90	<b>Offer Price</b> £2.95

SAVE  
**40%**

## RECENT INTRODUCTION

### IP67 Water Proof Electronic Digital Caliper 150mm/6"



- IP67 Water Proof Electronic Digital Caliper
- Range: 150mm/6"
- Resolution: 0.01mm
- Working Temperature: 0 - 40°
- Storage Temperature: Minus 10° - 60°
- Auto Power off
- Zero-setting at any position
- Mm and inch conversion at any position
- 1 x CR2032 battery (included)

Order Code <b>49-170-155</b>	Description 150mm/6"
List Price £115.00	<b>Offer Price</b> £79.95

CLICK FOR  
**PDF**  
**1497**

SAVE  
**30%**

## Recent Introduction

### 10x Illuminated Desk Magnifier

CLICK FOR  
**PDF**  
**1502**



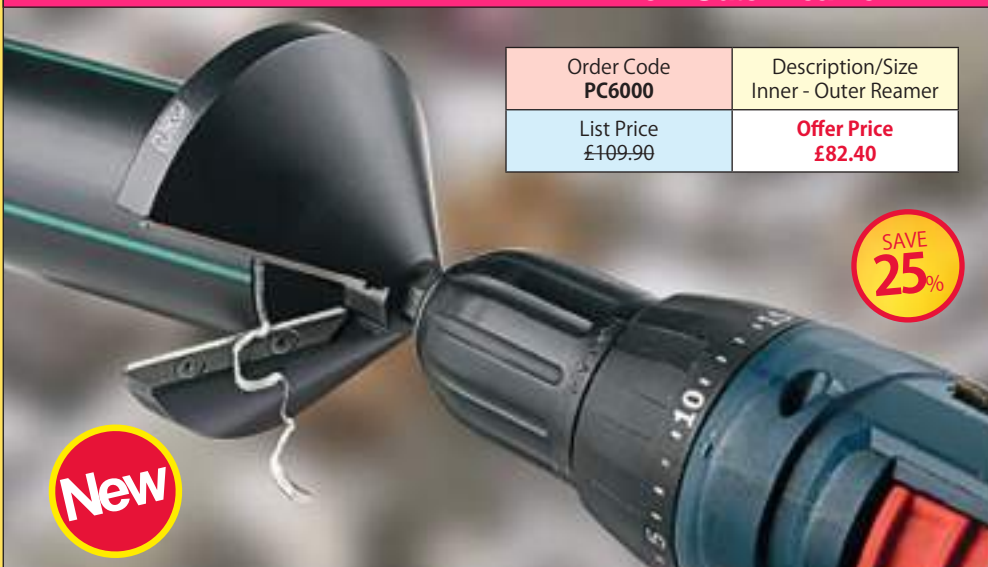
- Optical Glass Lens
- Magnification: 10x
- Lens Diameter: 1"
- Dimensions: 1-13/16" x 2-5/16" x 2-7/16"
- 3 Super Bright White LEDs
- 30mm Fold Out Ruler; 1mm Increments
- Self Standing Design
- Black Zinc Alloy Body
- Leather Pouch
- Requires 4 x AG7 Batteries (Included)

Order Code <b>59-625-008</b>	Description/Size Desk Magnifier
List Price £12.00	<b>Offer Price</b> £7.20

SAVE  
**40%**

## NEW from Noga

### Inner - Outer Reamer



Order Code <b>PC6000</b>	Description/Size Inner - Outer Reamer
List Price £109.90	<b>Offer Price</b> £82.40

SAVE  
**25%**



- Works on different plastic pipes and tubes such as UPVC, PVC, PP, PE, CPVC, ABS etc.
- Working range: 25 - 75 mm
- Works best with standard electric/cordless drills - 14V and up.
- For best performance run the drill at a low RPM.
- Use the drill position setting
- External Range: 25-75mm
- Internal Range: 40-75mm

**New**