

2024-2025

# PRODUCT CATALOGUE

# SIMRAN TOOLS INTERNATIONAL



AN ISO 9001 : 2015 CERTIFIED COMPANY



**Simran Tools International**, a trusted name in Tools Manufacturing in India, has made a tremendous progress as a manufacturer and exporter of Machine Tool Accessories, Industrial Tools, Tools for CNC Machines, Hand Tools, Wood Working Tools, and Precision Tools for Workshop Engineers & Technicians since its inception. Our innovative range of tools depicts our commitment to promote high quality tools after research and modifications.

**Simran Tools International's** constant quest for excellence and a will to scale new heights has made it a name to reckon with. The company is today internationally known as one of the leading manufacturers and exporters of tools from India.

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**Simran Tools International** come into existence in the year 1992. Since its inception the Company has been in the business of manufacturing and exporting Industrial Tools, Lathe tools, Machine Tool Accessories, Tools for CNC Machines, Hand Tools, Wood Working Tools and Precision Tools for Workshop Engineers & Technicians.

We are a highly professional company managed by experienced people from the tools industry in India. The success story of the company lies in the hard work and dedication of the entire team of skilled professionals and the support of customers all around the world.

Our speciality to develop new products (with our R & D Department backed by Team of Professional Engineers) differentiates us from other manufacturers. We are also capable to Design and Develop the products as per customer's specifications.

Our products are inspected at every stage of production to maintain the best quality consistently. We understand the importance of quality and believe in it as our best salesman.

The Motto of the Company is to deliver the best products and services to the customers at most competitive prices. We ensure Quick, Prompt and Timely Delivery.

We also provide the facility of packing our products in the customer's brand name.



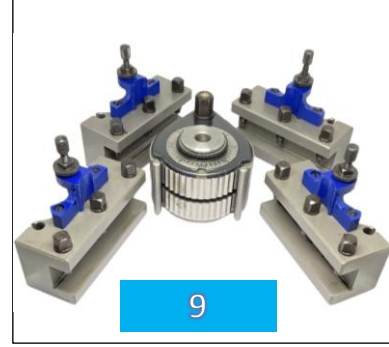
The aim of the company is to develop new and innovative quality products with the help of advanced technology to meet the varied demands of the customers worldwide. Our R&D Department is fully capable to foresee the future needs of the International Market, which helps us to carry on with various researches in design, and technology that gives us an edge in this competitive market.

The company has a state-of-the-art production unit equipped with CNC Lathes, CNC Millings, Grinders, Lathe machines, Shapers, Milling machines, Power Presses and various other machines. We strictly follow the instructions of our valued buyers. We never compromise with quality and follow International Standards with the help of various Inspection Instruments like Profile Projector, Master Gauges, Cylindrical Bore Gauges, Ring Gauges, Tensile Tester, Torch Tester, Surface Tester, Izod Impact Tester, 3D Coordinate Measuring Machines, etc.



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## TOP SELLING PRODUCTS





### VERTICAL MILLING ATTACHMENT SLIDE – FIXED BASE

DAIMENSION	
ITEM NO.	MVM-0001
Table size is 4" x 5" (100mm x 125mm)	
Slide Travel 80mm Approx.	
Footprint – 105 x 95 mm	
Height inc Handle – 250 mm	
Mounting Holes 10 mm dia – 40 mm between centre.	

- Vertical Milling Slide for Myford ML7 Series Lathes, Boxford & Super 7 Lathes
- This is an accessory item compatible for Myford ML7 Lathes and other smaller minilathes.



### VERTICAL MILLING ATTACHMENT SLIDE – SWIVEL BASE

DAIMENSION	
ITEM NO.	MVM-0004
Table size is 4" x 5" (100mm x 125mm)	
Slide Travel 80mm Approx.	
Footprint – 140 x 100 mm	
Height inc Handle – 250 mm	
Mounting Studs 30 mm between centres.	

- This Vertical Milling Slide is a direct fit on your Myford 7 or Super 7 and can be fitted to many other popular machines. It has a useful double swivel action and is fully graduated (metric).
- Vertical Milling Slide for Myford ML7 Series Lathes, Boxford, & Super 7 Lathes.



### MINI VERTICAL MILLING SLIDES

DAIMENSION	
ITEM NO.	MMV-0006
Base Dimension: 50 x 55 mm.	
Sliding Table: 90 x 50 mm.	
Vertical Travel 40 mm.	
Tee- Slot width 9.5 mm Maximum.	
Jaw Opening: 70 mm.	
Adjustable Vice Jaws & Brass Gib.	
Dial Graduated to 0-50.	
Fixing hole centres is 22mm at 90° to slide face.	
High Grade Casting and Smooth Finish	

- Mini Vertical Slide (90 x 50 mm) for instant Milling Operation on Lathe Machine.
- Small Vertical Milling Slide for Bench Small Lathes Suitable for Bench Lathes up to 150mm Swing.



### MINI STEEL VICE

DAIMENSION	
ITEM NO.	MMS-0009
Jaw Length – 2" / 50 mm	
Jaw Depth – 18 mm	
Jaw Opening – 50 mm	

- 4 Holes provided for mounting on Mini Vertical Slide
- Horizontal and Vertical Vee's in the moving jaws for holding Round jobs in this vice



### T- Slotted Table

ITEM NO MTS-0010



- Precision Tee-Slotted Table.
- Close Grain Cast Iron.
- 5" x 4" x 3/4"
- Many uses for this plate in the workshop
- You drill to suit its use
- Can be used to mount rear tool posts/ milling tools etc

### Vertical Sliding Table



ITEM NO MVS-0012

- Precision Sliding Tables are meant for accurate boring, drilling grinding and milling operations.
- Grey iron casting properly machined and grinded process provides accuracy well within 0.01mm/100mm tolerance.
- Toughened lead screw having acme threads running smoothly in phosphorus Bronze Nut.
- Dovetail slides have adjustable steel ribs for smooth running and adjustment.
- Precision ACME feed screw is running in a hot stamped phosphor Bronze Nut thrust color for smooth operation and minimum back lash.
- Designed to fit on any Lathe, will enable you to mill slots, Keyways, grooves, flats, squares, also drilling at any angle.
- The T-Slots are machined from Solid.
- Equipped with two axis positioning.
- Dovetailed slides have adjustable steel gibs to compensate for wear.
- The surface table can swivel all round and 0° is marked to show the angular movement.
- Base have bolt slots for machine mounting

### 85MM GRINDING VICE

ITEM NO MGV-0011



- Suitable for Horizontal and Vertical use.
- Jaw width - 86mm
- Jaw opening - 43mm
- Distance between mounting holes - 52mm
- Height when horizontal - 46mm
- Overall size - 112mm x 86mm
- Ideal for fitting to a range of different vertical slides on lathes.

### Small Milling Vice 2-3/8"

ITEM NO MSM-0013



- Small Milling Vice suitable for Myford Type Milling Slide for Myford Lathes.
- This new small machine vice is suitable for many small lathes and ideal for anyone with a Myford milling slide etc.
- The fixed jaw has horizontal and vertical vees for ease of use when holding round material.
- It can be mounted using either the 2 milled outer slots or the 2 inner drilled holes.
- Suitable T nuts included. It can also be used as a standalone vice in either a horizontal or vertical position.
- Jaw Width – 60mm
- Jaw Opening – 45mm
- Distance between slots – 75mm
- Distance Between Holes – 45mm
- Overall Height when HZ – 45mm
- Overall Height When VT – 110mm (not inc screw)
- Footprint when HZ – 110 x 85mm

### SELF CENTERING VICE- FIXED



- 
- **Body made out of special graded casting.**
- Hardened Steel Jaws provided "V" grooves for round jobs both Horizontal & Vertically.
- Special Steel is provided for long life.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
MSC-0014	2	50	2	50	1-3/16	30	3	75

- NEW & HEAVY DUTY QUALITY VICE
- Made from close grained high tensile Cast Iron
- Alloy Steel Jaws Plates-Hardened & Ground.
- Polychromatic Stoving Light Grey Paint.
- Mounted on a Detachable swivel Base calibrated 0 to 360 degrees.
- Remove the base, the vice alone can be mounted on Lathe milling vertical slide

### SELF CENTERING VICE- SWIVEL BASE



ITEM NO. MSC-0016	
Jaw Width	2" Inches ( 50 mm )
Jaw Depth	24 mm
Maximum Opening	50 mm
Overall Height	85 mm
Base Dimensions	146 x 100 mm
Base Hole Center Distance	128 mm
Vice Hole Center distance	68.75 mm

### Z TYPE CAST IRON ANGLE PLATE

ITEM NO MZP-0017

- Small Vertical Slide Mounting Bracket for Mini Lathes.
- This Unit is 63mm across then 55mm down then 53mm across
- The fixing slot is 11mm x 30mm (this is the slot the toolpost stud goes through)
- Then on the opposing face is the 2 holes for the vertical slide to fit.



### 50MM DIA PLATE M14X1 THREAD

ITEM NO MDP-0018

- This small vertical milling slide is suitable for smaller lathes
- Height – 4"
- Width – 2"
- T slot – 3/8
- Base – 2 3/4 Sq
- Attaches via 2 Tee Nuts
- supplied with sliding backplate( Thread size 14 x 1) which mounts directly on the above milling slide.
- This backplate can be used to mount any lathe chuck on mini vertical slide.
- Attaches via 4 T nuts and studs.



### KNURLING TOOL HOLDER – SIX KNURLS

- The revolving head is fitted with standard left and right pattern knurls in fine, medium and coarse pitch.
- Any pair can be brought to bear on the work-piece, thus 3 different knurling patterns are obtainable without changing the tool.
- Industrial Quality Tool.
- Large 6 Head Knurling Tool.
- Robust construction
- Self Centering
- Lock Knob.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		NO. OF PAIRS
	INCH	MM	INCH	MM	
MKT-0019	5/16 X 3/4 X 5	8 X 19 X 125	5/8 X 5/16 X 7/32	16 X 7.90 X 5.55	3 Pair
MKT-0020	3/8 x 7/8 x 5-1/2	9.5 x 22 x 138	5/8 X 5/16 X 7/32	16 X 7.90 X 5.55	3 Pair
MKT-0021	1/2 x 1-1/8 x 6-1/2	12.7 x 28 x 163	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	3 Pair
MKT-0022	5/8 x 1-3/8 x 7-1/2	16 x 35 x 188	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35	3 Pair
MKT-0023	1 x 1 x 7-1/5	25 x 25 x 165	3/4 x 3/8 x 1/4	19 x 9.5 x 6.35	3 Pair
MKT-0024	1/2 x 7/8 x 6-1/2	12 x 22 x 165	3/4 x 3/8 x 1/7	16 x 6.4 x 4.5	3 Pair
MKT-0025	1/2 x 1/2 x 7	12 x 12 x 175	5/8 X 3/16 X 3/16	16 x 5 x 5	3 Pair
MKT-0026	5/8 x 5/8 x 7	16 x 16 x 175	5/8 X 3/16 X 3/16	16 x 5 x 5	3 Pair



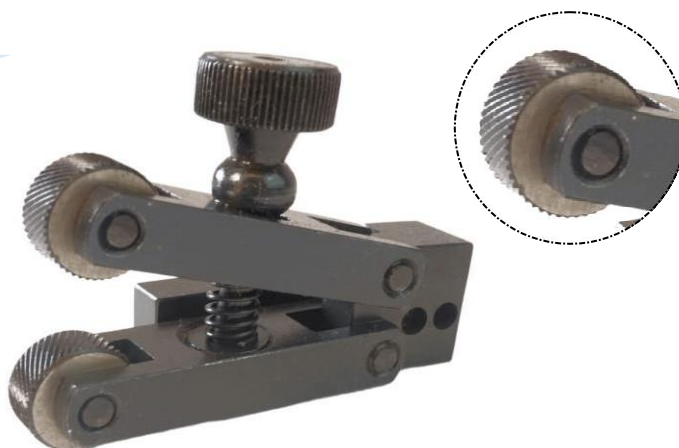
### KNURLING TOOL HOLDER SCISSOR TYPE

- These knurling tools fit regular tool posts and square tool post turrets of any lathes including CNC lathes and chucks.
- Since knurling pressure is absorbed between the two knurls there is no pressure on the lathe, compound, centers or cross feed screw.
- Fast set-up. Knurling pattern is clean and sharp, with no double tracking.
- Depth of knurling can be pre-set for production work before start of operation.
- Easily removable pins make it simple to change knurls.
- Hardened Steel Knurls for longer life comes fitted in Knurling holders.

ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		WORKING CAPACITY
	INCH	MM	INCH	MM	
MKT-0027	6 X 1/2 X 5/8	150 X 12.7 X 15.87	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	1.6 - 56mm
MKT-0028	8-1/4 X 5/8 X 3/4	210 X 15.87 X 19.05	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	63 – 112mm

### KNURLING TOOL HOLDER V - TYPE

- Fully adjustable, spring loaded / clamp type knurling tools for reduced load when knurling.
- Can be clamped in standard holder of the quick change tool post on lathe.
- Also compatible with Myford, Boxford, ML7 series & other similar size lathes
- The v-clamp design allows each knurl to contact the work piece on opposite sides so that minimum force is exerted onto the work piece. Adjustable Spring loaded v-clamp type knurling tool.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		WORKING CAPACITY
	INCH	MM	INCH	MM	
MKT-0029	3/8 X 3/8 X 2-1/4	9.5 X 9.5 X 56	3/4 X 3/8 X 4	19 X 9.52 X 6.53	5-20mm

### KNURLING TOOL HOLDER LINEAR

- This scissors style knurling tool is design for the mini lathe users.
- Knurling Tool Holders are manufactured from fine quality steel & finely black oxidized.
- The knurl fits in standard tool post of the mini lathe without anymodification.
- It also works with any quick change tool posts as well.
- Great design helps reducing the load on the lathe spindle bearings compared to any other standard knurling tool.
- Apply pressure by rotating the screw instead of the lathe cross slide, which allows you to easily complete the rotating screw with effort, giving you great convenience.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		WORKING CAPACITY
	INCH	MM	INCH	MM	
MKT-0030	3/4 X 3/8 X 4	10 X 10 X 100	3/4 X 3/8 X 1/4	14 X 9.52 X 6.35	5 - 33mm

### KNURLING TOOL HOLDER CLAMP TYPE

- Suitable for Mini Lathe Machine, Small lathe Machine and Medium size lathes.
- Adjustable Spring loaded clamp type knurling type.
- With medium diamond pattern knurls.
- Tool Steel / HSS Knurl LH and RH Medium.
- Pressure is applied by turning screw instead of the lathe crossslide.
- Helps reducing the load on the lathe spindle bearings compared to any other standard knurling tool.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		WORKING CAPACITY
	INCH	MM	INCH	MM	
MKT-0031	5/8 X 3/8 X 3	16 X 9.5 X 75	3/4 X 3/8 X 1/4	19 X 9.52 X 6.53	3 - 25mm
MKT-0032	3/8 X 3/8 X 5-3/4	9.5 X 9.5 X 145	3/4 X 3/8 X 1/4	19 X 9.52 X 6.53	3 - 25mm

### KNURLING TOOL HOLDER SPRING LOADED CLAMP TYPE

- Knurling clamp arms can be moved to increase or reduce the maximum capacity.
- The clamp design allows each knurl to contact the work piece on opposite sides so that minimum force is exerted onto the work piece.
- Spare spring to reduce the clamping capacity.
- Suitable for Mini Lathe Machine.
- Adjustable Spring loaded clamp type knurling type.
- Flexible and adjustable Knurling Tool Holder System.
- Tool Steel / HSS Knurl LH and RH Medium.
- Knurling pressure absorbed by Tool Holder



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		WORKING CAPACITY
	INCH	MM	INCH	MM	
MKT-0033	3/8 X 3/8 X 5-3/4	9.5 x 9.5 x 147 mm	3/4 X 3/8 X 1/4	19 x 9.5 x 6.35 mm	3 – 25mm
MKT-0034	3/8 X 3/8 X 5-3/8	9.5 x 16 x 135 mm	3/4 X 3/8 X 1/4	19 x 9.5 x 6.35 mm	3 – 25mm

### KNURLING TOOL HOLDER KIT 7 PC

- KNURLS INCLUDED – FINE 0.5MM / MEDIUM 1.0MM / COARSE 2.0MM (LEFT + RIGHT)



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS	
	INCH	MM	INCH	MM
MKT-0035	3/4X5/32X5.3/8	20X18X135MM	1.1/32X5/16X5/16	26X8X8

### KNURLING TOOL HOLDER – 3 INTERCHANGEABLE HEADS

- THIS KNURLING TOOL HOLDER HAVE 3 INTERCHANGEABLE HEAD HEIGHT UP TO 12 & 16MM.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS	
	INCH	MM	INCH	MM
MKT-0037	5/8X5/8X4-7/8	16X16X120	5/8X5/16X1/4	16X8X6

### KNURLING TOOL HOLDER – SINGLE WHEEL



- Single knurl holders, these are useful for light duty applications.
- They come complete with one straight knurl
- Linear Pattern Single Knurl Tool EN 31 Alloy Steel Knurl Quality
- Carbon Steel knurl.
- Shiny Black Finish.

ITEM NO	HOLDER SIZE		SIZE OF KNURLS		KNURL PATTERN
	INCH	MM	INCH	MM	
<b>MKT-0038</b>	1/2 X 1/2 X 4-1/2	12.7x 12.7 X 115	3/4 X 1/4 X 1/4	19X6.35X6.35	Medium
<b>MKT-0039</b>	3/4 X 3/4 X 5	19 x 19 x 125	3/4 X 3/8 X 1/4	19X9.52X6.35	Medium

### KNURLING TOOL HOLDER DOUBLE ENDED



- Ideal Knurling tool for a small to medium size lathes.
- Features medium straight pattern knurls.
- Available with Tool Steel Knurls & HSS Knurls.
- Machined ground steel in Shiny Black Finish.

ITEM NO	HOLDER SIZE		SIZE OF KNURLS		KNURL PATTERN
	INCH	MM	INCH	MM	
<b>MKT-0040</b>	1/2X1/2X5	12.7x12.7X125	3/4X1/4X1/4	19X6.35X6.35	Fine & Medium

### KNURLING TOOL HOLDER SINGLE WHEEL WITH 6 DIFFERENT KNURL

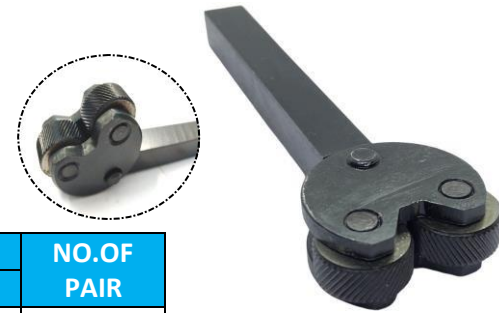
- The knurling wheel set has six interchangeable knurling wheels that you can use to make different types of knurling.
- USEFULL - Ideal for replacing your damaged linear & diamond knurl wheel. Used for processing the work piece surface pattern.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS	
	INCH	MM	INCH	MM
<b>MKT-0041</b>	3/8 X 3/8 X 4	10 X 10 X 100	5/8 x 5/32 x 5/32	16 X 4 X 4
<b>MKT-0042</b>	1/2 X 1/2 X 4	12 X 12 X 100	3/4 X 1/4 X 1/4	19X6.35X6.35

### KNURLING TOOL HOLDER – PIVOT HEAD

- Ideal knurling tool for a small to medium sized lathes.
- Hardened Alloy steel Knurls.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		NO.OF PAIR
	INCH	MM	INCH	MM	
MKT-0043	1/2 X 1/2 X 4-1/2	12.7 X 12.7 X 115	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	1 Pair
MKT-0044	1/2 X 1/2 X 5	12.7 X 12.7 X 127	3/4 X 1/4 X 1/4	19 X 6.35 X 6.35	1 Pair
MKT-0045	5/8 x 5/8 x 4-1/2	16 X 16 X 112	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	1 Pair
MKT-0046	3/4 X 3/4 X 5	19 X 19 X 125	1 X 3/8 X 1/4	19 X 9.52 X 6.35	1 Pair

### KNURLING TOOL HOLDER – SELF ADJUSTING HEAD

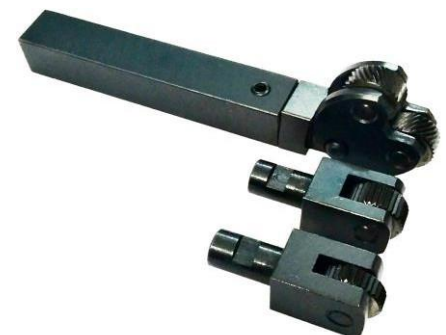
- Double ended knurling Tool Holder HSS knurls Straight, Fine and Medium.Comes in pairs.
- Available with Tool Steel Knurls & HSS Knurls.  
Machined ground steel in Shiny Black Finish.
- While Placing order please mention Tool Steel Knurls or HSS Knurls



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		NO.OF PAIR
	INCH	MM	INCH	MM	
MKT-0047	5/16 X 3/4 X 4-1/2	8 X 19 X 127	5/8 X 5/16 X 7/32	16 X 7.90 X 5.55	1 Pair
MKT-0048	3/8 X 7/8 X 5-1/2	9.5 X 22 X 140	5/8 X 5/16 X 7/32	16 X 7.90 X 5.55	1 Pair
MKT-0049	1/2 X 1-1/8 X 6-1/2	12.7 X 28 X 165	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	1 Pair
MKT-0050	5/8 X 1-3/8 X 7-1/2	16 X 35 X 190	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	1 Pair

### KNURLING TOOL HOLDER – MULTI HEAD ATTECHMENT

- Knurling Tool Holder comes with Straight, Fine and Medium Knurl Pair.
- Comes in pairs.
- Available with Tool Steel Knurls & HSS Knurls.
- Machined ground steel in Shiny Black Finish.
- Multi head Knurling Tool holder provides flexibility of using 3 Knurling heads with a single shank.
- 2 Single Knurl Head comes with fitted knurls with medium pattern Straight Line.
- Pivot head knurl head comes fitted with 2 Knurls with Left & Right medium pattern.
- Heads are interchangeable and firmly held with screw in the shank.
- Weldon Shank at the heads provides no slip grip into the shanks.
- While Placing order please mention Tool Steel Knurls or HSS Knurls



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		NO.OF PAIR
	INCH	MM	INCH	MM	
MKT-0051	3/4 X 3/4 X 4	19 X 19 X 100	3/4 X 3/8 X 1/4	19 X 9.52 X 6.35	2 Pair

### KNURLING TOOL HOLDER – REVOLVING HEAD 3 KNURL

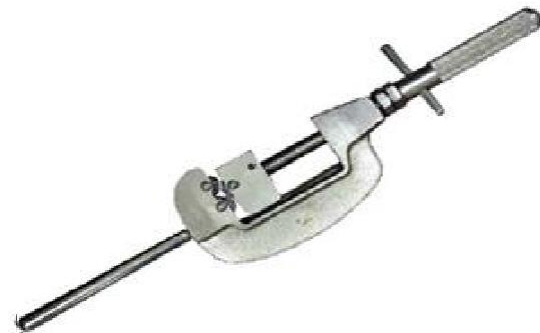
- With the revolving head it prevents the wastage of time in changing knurls every time when required.
- Three knurls are mounted on a single tool which gives high productivity.
- Provides ease of use to operator with its revolving head.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS	
	INCH	MM	INCH	MM
MKT-0052	1/2 x 1 x 6	12.7 x 25 x 150	3/4 x 3/8 x 1/4	19 x 9.52 x 6.35

### HAND KNURLING TOOL HOLDER

- This tool puts vertical line knurls into the steel. Set Straight Medium Pitch Knurls.
- The knurls it does make are very crisp and clear.
- Available with Tool Steel Knurls & HSS Knurls.
- Machined ground steel in Shiny Black Finish.



ITEM NO.	HOLDER SIZE		SIZE OF KNURLS		WORKING CAPACITY
	INCH	MM	INCH	MM	
MKT-0053	9/16 x 2-3/4 x 8	14 x 69 x 200 mm	1/2 x 1/4 x 3/16	12.7 x 6.35 x 4.95mm	3-25 mm

### KNURLING WHEELS – SPARE KNURL

- Available in Tool Steel Knurls & HSS Knurls.
- Knurls are individually cut to obtain sharp, perfectly formed teeth.
- Heat Treated, Tempered and Tested.
- Knurls are finished in pairs to fit all standard makes of knurling Tools.
- Knurls available with us in many shapes like Extra Fine, Medium, Coarse, Left, Right, Straight and Checkered.
- Diamond pattern knurls are provided as a set of right hand and Left Hand knurl.
- Machined ground steel in Shiny Black Finish.



DIAMOND PATTERN	STRAIGHT LINE PATTERN	KNURLS DIMENSIOONS			
ITEM NO.	ITEM NO.	DIA.	WIDTH	HOLE DIS.	PITCH
MKW-0054D	MKW-0054S	5/8	5/16	7/32	14
MKW-0055D	MKW-0055S	5/8	5/16	7/32	21
MKW-0056D	MKW-0056S	5/8	5/16	7/32	33
MKW-0057D	MKW-0057S	3/4	3/8	1/4	14
MKW-0058D	MKW-0058S	3/4	3/8	1/4	21
MKW-0059D	MKW-0059S	3/4	3/8	1/4	33
MKW-0060D	MKW-0060S	1	3/8	5/16	14
MKW-0061D	MKW-0061S	1	3/8	5/16	21
MKW-0062D	MKW-0062S	1	3/8	5/16	33



### TAPER TURNING ATTACHMENT

- Made from Alloy Steel.
- Fully Hardened and Ground.
- Easiest way to do Taper Turning, without offsetting the Tailstock.
- Calibrated 6" to the left or right.
- Adjustable Screws on both sides for fine adjustment.
- Easiest way to do Taper Turning, without offsetting the Tailstock.

ITEM NO.	SHANK	CAPACITY
MTT-0063	MT2	40-165 MM
MTT-0064	MT3	40-165 MM



### TAPER TURNING ATTACHMENT WITH REVOLVING CENTER FOR MACHINE LATHE

- Improved and precise quality of taper turning attachment than our previous model.
- Gives you the freedom from old traditional method of off-setting the tailstock of your lathe, when you wanted to do the metal turning in a taper profile.
- Has a double bearing revolving live center with hardened point.
- This attachment has a much better control, precision and quality.
- Slide can be shifted 25 mm left & right.
- Handle rotation will off set the attachment by 1 mm.
- Also available in imperial specifications.

ITEM NO.	SHANK
MTT-0065	MT2
MTT-0066	MT3



### UNIVERSAL CIRCLE CUTTER

- Handy Tool that enables drilling of small holes with high precision.
- Drill can be moved easily and Precisely with Lever Mechanism.
- Allows approx 25 mm (1") of Travel
- To be used with drill chuck either Key Type or Keyless.

ITEM NO.	SHANK	CAPACITY
MUC-0070	12 mm	40 - 165 mm
MUC-0071	Spare Cutter Size 1/4" x 2" (5% Cobalt)	

## SENSITIVE DRILL ATTACHMENT



- The manual control on the drilling force helps reducing the breakage in fine holes with high accuracy.
- Can fit to any lathe's tailstock and is available in 2 & 3 Morse Taper.
- The Front mounting can be provided by us with Taper or Thread for chuck mounting as required by any customer depending on his market needs.
- Shank is precisely ground.
- A Very Handy Tool that enables drilling of Small holes with High Precision
- Drill Can be Moved Easily and Precisely with Lever Mechanism
- Allows approx 25mm (1") of Travel
- To be used with Drill Chuck either Keyless or Key Type

ITEM NO.	SIZE	ITEM NO.	SIZE	ITEM NO.	SIZE	ITEM NO.	SIZE
MSD-0072	MT2 x B16	MSD-0075	MT3 x B16	MSD-0078	MT2 x JT2	MSD-0081	MT3 x JT2
MSD-0073	MT2 x B18	MSD-0076	MT3 x B18	MSD-0079	MT2 x JT3	MSD-0082	MT3 x JT3
MSD-0074	MT2 x B22	MSD-0077	MT3 x B22	MSD-0080	MT2 x JT33	MSD-0083	MT3 x JT33

## BALL TURNING ATTACHMENT DOUBLE BIT

ITEM NO MBT-0084

- Ball Turning Attachment For Lathe-Turns Round Concave and Convex Metal-Sphere
- Fits directly on the Cross Slide direct of your Myford Lathe.
- However Can fit to Larger Machines by using Packing to Adjust Center Height
- Can turn up-to a 42 mm diameter Metal or Wood Ball.
- Can be Adjusted for Various Sizes of Balls.
- Supplied with 2 Pcs x 3 Sided Indexable TNMG16 Tips Design For Internal & External Turning.
- Bearing Base Smooth Rotation.



## BALL TURNING ATTACHMENT SINGLE BIT

ITEM NO MBT-0085

- Designed for the Lathes having Center Height 3-1/2"
- This fits straight onto the cross slide of your lathe machine for Quick Turning of Cones and Balls.
- Comes with a 1 Indexable TNMG16 Insert for best turning finish and results.
- Maximum Ball Diameter possible is 38 mm
- The Head can be adjusted for different Ball Sizes.



### BALL TURNING ATTACHMENT DOUBLE BIT (2")

ITEM NO MBT-0086

- **2" Ball Turning Attachment** – Accurate radius and ball turning with built-in size scale.
- **Strong Steel Build** – Smooth, stable cutting with long service life.
- **Easy to Use** – Ideal for lathes, workshops, and professional machining.



### BALL TURNING ATTACHMENT SINGLE BIT (2")

ITEM NO MBT-4000



- This fits straight onto the cross slide of your Myford & similar size lathe machine.
- Comes with a 1 Indexable TNMG16 Insert for best turning finish and results with 6 edges of this single insert to use while working.
- The insert tip should be adjusted to the given reading for achieving the desired size of the ball.

### BALL TURNING ATTACHMENT SINGLE BIT (1.5")

ITEM NO MBT-4001

- This fits straight onto the cross slide of your Myford & similar size lathe machine.
- Comes with a 1 Indexable TNMG16 Insert for best turning finish and results with 6 edges of this single insert to use while working.
- The insert tip should be adjusted to the given reading for achieving the desired size of the ball.



## FLY TOOL CUTTER HOLDER WITH SUITABLE TOOL BITS

- Fly cutter set , used primarily on a milling machine for machining large, flat surface areas.
- The fly cutter is a single-point cutting tool similar to a lathe tool mounted in a special holder.
- Counter balanced to get smoother finish.
- Shiny Black Finish.
- Sets supplied on wood stand.
- Supplied with and without Tool Bit.



ITEM NO.	DIAMETER		HOLDER SIZE OF BIT	ITEM NO.	DIAMETER		HOLDER SIZE OF BIT
	HEAD	SHANK			HEAD	SHANK	
MFC-0091A	3/4	1/2	3/16	MFC-0091B	2-1/2	3/4	5/16
MFC-0092A	1-1/8	1/2	1/4	MFC-0092B	2-1/2	3/4	5/16
MFC-0093A	1-1/2	1/2	5/16	MFC-0093B	2-1/2	R8	5/16
MFC-0094A	1-1/4	3/4	5/16	MFC-0094B	2	R8	5/16
MFC-0095A	1-1/2	3/4	5/16	MFC-0095B	2	MT2	5/16
MFC-0096A	2	3/4	5/16	MFC-0096B	2	MT3	5/16
MFC-0097A	3 Pcs Set (3/4", 1-1/8" , 1-1/2")						
MFC-0098A	5 Pcs Set Consists of 4 pcs with 1/2" (12.7 mm) shank suitable for 3/16" (4.50 mm), 1/4" (6mm), 5/16" (8 mm), 3/8" (9.5 mm) tool bits and 1 pc with 5/8" (15.8 mm) shank suitable for 1/2" (12.7 mm) tool bits						

## FLY TOOL CUTTER HOLDERTAPER SHANK

- A fly cutter usually has two cutting heads and it is able to cut with a constant depth to face any surface to obtain a uniform surface.
- Fly cutters are used in automobile industry for various facing jobs.
- In motor industry fly cutters are used extensively.
- In almost all occasions they are used for the facing.



ITEM NO.	DESCRIPTION	STYLE	DRAWBAR
MFC-0100	Metric	MT2	M10
MFC-0101	Metric	MT3	M12
MFC-0102	Inches	MT2	3/8" BSW
MFC-0103	Inches	MT3	1/2" BSW
MFC-0104	Inches	R8	7/16" UNF

## R-8 FLY TOOL CUTTER

- Counter balanced to get smoother finishes.
- Made from Hardened Steel.
- Uses inexpensive standard tool bits.
- To Suit Bridgeport milling machines



ITEM NO.	HEAD DIA.		HOLDER SIZE OF BIT	
	INCH	MM	INCH	MM
MFC-0110	2-1/2	63.5	5/16	8

## FLY TOOL CUTTER HOLDER SET ROUND TOOL BITS

- For Round Tool Bit also available separately.
- Set of 3 Pcs packed in plastic pouch plus 3 Cutting bits.
- Very handy milling machine tools.
- Quality hard wearing fly cutters.



ITEM NO.	HEAD DIA		SHANK DIA		TOOL BIT SIZE	
	INCH	MM	INCH	MM	INCH	MM
MFC-0111	9/16	14	3/8	10	1/4	6
MFC-0112	3/4	19	3/8	10	5/16	8
MFC-0113	7/8	22	3/8	10	3/8	10
MFC-0114	3 Pcs above Size with Suitable Tool Bits					

## INDEXABLE END MILLS

ITEM NO.	NO. OF FLUTES	SHANK	HAED DIA	INSERT	DRAWBAR
MIM-0115	2	R8	30	TPKN 1606	7/16" UNF
MIM-0116	2	MT-2	25	TPKN 1103	M10
MIM-0117	2	MT-3	30	TPKN 1606	M12
MIM-0118	2	20mm St	25	TPKN 1103	-
MIM-0119	2	20mm St	32	TPKN 1606	-
MIM-0120	3	MT-2	50	TPKN 1606	M10
MIM-0121	3	MT-3	50	TPKN 1606	M12
MIM-0122	3	MT-3	60	TPKN 1606	M12
MIM-0123	3	ISO30	50	TPKN 1606	M12
MIM-0124	3	ISO30	60	TPKN 1606	M12



## FLY CUTTER 100MM WITH ARBORS

- Cutter Diameter: **100 mm**
- Body Material: High Grade Alloy Steel
- Tool Type: Compatible with **Indexable Tool Bit & HSS Tool Bit**
- Mounting Options Available:
  - R8 Arbor
  - Straight Shank Arbor
  - MT2 Arbor
  - MT3 Arbor
- Application: Face Milling / Surface Finishing
- Balanced body for vibration-free operation

ITEM NO.	ARBOR TYPE
MFC-0124	FLY CUTTER 100MM
MFC-0125	R8 Arbor
MFC-0126	Straight Shank Arbor
MFC-0127	MT2 Arbor
MFC-0128	MT3 Arbor



## SAW HOLDER CIRCULAR

- Offer flexibility in sawing operations.
- Spring load mechanism accepts Saw Blades with hole diameter 1/2" to 1"(12/16/22/27MM)
- Blades are firmly secured in position with Hex screw.

ITEM NO.	SHANK DIA	Overall Length
MSH-0130	12mm	63.5mm
MSH-0131	1/2"	2-1/2"



## SAW & GEAR CUTTER HOLDER

- Offer flexibility.
- Blades & Gear Cutting are Firmly secured in position with hex head counter screw.
- Supplied in a combination of grounded & black epoxy finish.

ITEM NO.	SHANK	BORE	DRAWBAR
MSG-0132	MT-2	16mm	M10
MSG-0133	MT-2	22mm	M10
MSG-0134	MT-3	16mm	M12
MSG-0135	MT-3	22mm	M12



## CIRCULAR SAW HOLDER SET



ITEM NO.	HEAD DIA INCH	SHANK SIZE	SAW BLADE HOLE DIAMETER
MCS-0140	1/2	1/2"	1/4"
MCS-0141	5/8	1/2"	3/8"
MCS-0142	3/4	1/2"	1/2"
MCS-0143	1	5/8"	5/8"
MCS-0144	3Pc set of 1/2", 5/8 & 3/4"		
MCS-0145	4Pc set of 1/2", 5/8, 3/4" & 1"		

- Manufactured from fine quality tool steel.
- Far saw blades from .001" to 3/16".
- Shanks are hardened & Ground.
- Supplied in fine finished wooden stand & with 2 suitable Allen Keys.



## SAW HOLDER MINI

- Offer flexibility in sawing operations.
- Supplied in grinded plus black epoxy finish.

ITEM NO.	SHANK DIA	SUITABLE BORE
MSH-0150	10mm	16mm
MSH-0151	10mm	22mm
MSH-0152	Saw Holder 10mm + 3 Pc slitting saw (45mm)	

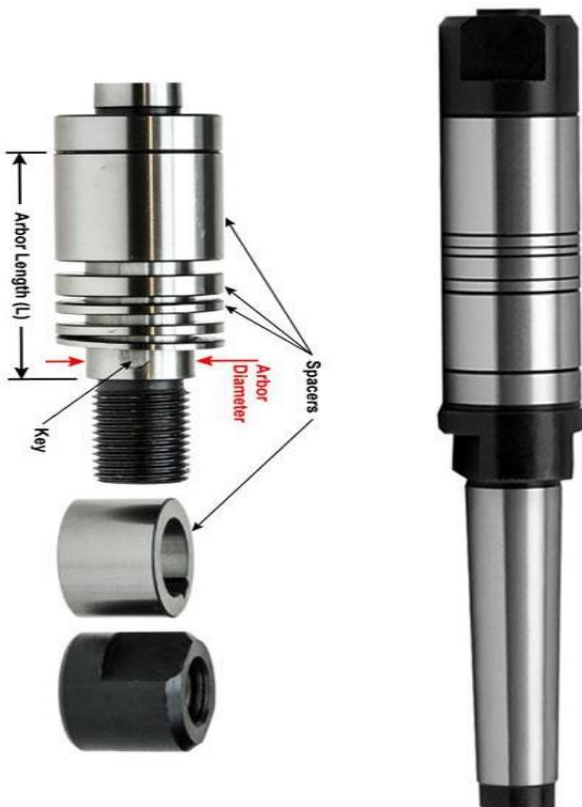
## SAW HOLDER - TAPER SHANK



- Offer flexibility in sawing operations.
- Accepts saw blades from 1/2" till 1" (12/16/27mm).
- Blades are firmly secured in position with Hex Head Screw.
- Supplied in grinded plus black epoxy finish.

ITEM NO	DESCRIPTION	STYLE	DRAWBAR
MSH-0155	METRIC	MT-2	M10
MSH-0156	METRIC	MT-3	M12
MSH-0157	INCHES	R8	7/16 UNF
MSH-0158	INCHES	MT-2	3/8"
MSH-0159	INCHES	MT-3	1/2"

## STUB MILLING ARBORS FOR GEAR CUTTERS



- Available in MT2/MT3/MT4.
- Three Versatile Design.
- Gives Rigidity & Stability needed in Milling Operations.
- Each stub milling arbor has its own significance.

ITEM NO.	SHANK	BORE	DRAWBAR
MSM-0160	MT-2	16mm	M10
MSM-0161	MT-2	22mm	M10
MSM-0162	MT-2	27mm	M10
MSM-0163	MT-2	32mm	M10
MSM-0164	MT-3	16mm	M12
MSM-0165	MT-3	22mm	M12
MSM-0166	MT-3	27mm	M12
MSM-0167	MT-3	32mm	M12
MSM-0168	MT-4	16mm	M16
MSM-0169	MT-4	22mm	M16
MSM-0170	MT-4	27mm	M16
MSM-0171	MT-4	32mm	M16

### TURNING TOOL HOLDERS – AMERICAN PATTERN

- Supplied in three shapes; Straight, Left & right Hand.
- Manufactured from fine quality special steel & finely blackodized.
- Supplied with one key & bolt.
- Properly hardened & grinded.
- Also Available with Suitable Tool bit on request.



ITEM NO. STRAIGHT	ITEM NO. LEFT	ITEM NO. RIGHT	HOLDER SIZE		SUITABLE TOOL BIT	
			INCH	MM	INCH	MM
MTT-0091S	MTT-0091L	MTT-0091R	5/16 X 3/4 X 4-1/2	8 X 19 X 114	3/16	4.76
MTT-0092S	MTT-0092L	MTT-0092R	3/8 X 7/8 X 5	9.5 X 22 X 127	1/4	6.35
MTT-0093S	MTT-0093L	MTT-0093R	1/2 X 1-1/8 X 6	13 X 28 X 152	5/16	7.93
MTT-0094S	MTT-0094L	MTT-0094R	5/8 X 1-3/8 X 7	16 X 35 X 178	3/8	9.52
MTT-0095S	MTT-0095L	MTT-0095R	3/4 X 1-5/8 X 8	19 X 41 X 203	7/16	11.11
MTT-0096S	MTT-0096L	MTT-0096R	7/8 X 1-3/4 X 9	22 X 44 X 228	1/2	12.7
MTT-0097S	MTT-0097L	MTT-0097R	1 X 2 X 11	25 X 50 X 280	5/8	15.87
MTT-0098S	MTT-0098L	MTT-0098R	1-1/4 X 2-1/4 X 13	32 X 57 X 330	3/4	19.05

### TURNING TOOL HOLDERS – ENGLISH PATTERN

- Accurately Machined.
- Heat Treated & Hardened.
- Provided with one Wrench.
- Supplied with and without Tool Bits.
- Available in ST (Straight), LT (Left) and RT (Right) Hand Shanks.
- Please specify ST, LT or RT with order



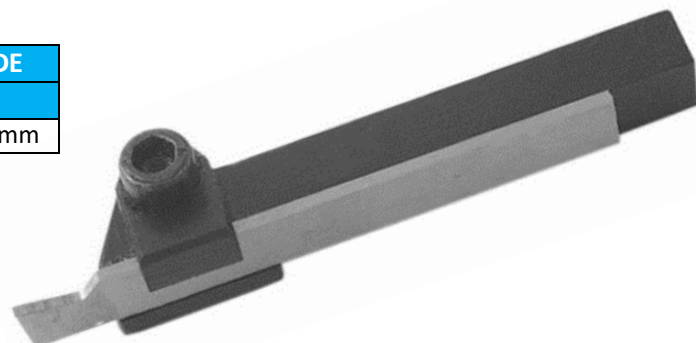
ITEM NO.	ITEM NO.	ITEM NO.	MM	INCH
MTT-0110S	MTT-0110L	MTT-0110R	12 X 16 X 100	1/8
MTT-0111S	MTT-0111L	MTT-0111R	14 X 18 X 145	3/16
MTT-0112S	MTT-0112L	MTT-0112R	16 X 20 X 190	1/4
MTT-0113S	MTT-0113L	MTT-0113R	18 X 22 X 215	5/16
MTT-0114S	MTT-0114L	MTT-0114R	20 X 25 X 235	3/8
MTT-0115S	MTT-0115L	MTT-0115R	22 X 28 X 260	7/16
MTT-0116S	MTT-0116L	MTT-0116R	25 X 30 X 275	1/2

### PARTING TOOL HOLDER (MINI) CLAMP TYPE

ITEM NO	SHANK
MPT-0120M	8X8X70MM
MPT-0121M	10X10X80MM
MPT-0122M	12X12X80MM

SPARE HSSPARTING BLADE	
ITEM NO.	SIZE
MPT-0147S	1.5 X 8.25 X 73mm

- SUPPLIED WITH BLADE.
- POSITIVE LOCKING OF BLADE WITH THICKER CLAMP TO HOLD BLADE.



### TURNING TOOL HOLDERS / ADJUSTABLE

- These tool holders offer maximum effectiveness by means of carefully machined groove with relieved corners which enables the tool bit to rest on a really flat surface.
- Properly hardened & grinded & finely blackodized.



ITEM NO.	MODEL #	CAPACITY		OVERALL LENGTH	
		INCH	MM	INCH	MM
MTT-0130A		3/16 to 1/4	4.76 to 6.35	5	127
MTT-0131A		1/4 to 5/16	6.35 to 7.93	5-1/2	140
MTT-0132A		5/16 to 3/8	7.93 to 9.32	6	152
MTT-0133A		3/8 to 1/2	9.52 to 12.7	8	203

### UNIVERSAL TOOL HOLDERS

- Manufactured from high-grade steel, fully hardened.
- Supplied with suitable Allen keys, & nuts but without tool bit.
- Tool bit can be hold in three different directions.

ITEM NO. STRAIGHT	CAPACITY (SQUARE TOOL)		HOLDER SIZE
	INCH	MM	MM
MUT-0134S	1/4	6	110 X 12 X 16
MUT-0135S	3/8	9.5	120 X 14 X 18
MUT-0136S	1/2	12.7	145 X 18 X 20
MUT-0137S	5/8	16	175 X 20 X 25
MUT-0138S	3/4	19	250 X 25 X 32



### PARTING TOOL HOLDER – ECLIPSE TYPE

- Manufactured from high-grade steel, fully hardened.
- Supplied with suitable wrench.

ITEM NO.	REF #	SHANK	CAPACITY
MPT-0140E		1/2 X 1 X 6"	1/2" – 5/8"
MPT-0141E		5/8 X 1-3/8 X 7"	3/4" – 7/8"
MPT-0142E		3/4 X 1-11/16 X 7-1/2"	1" – 1-1/8"



### MINI TURNING TOOL – 3 PC SET

- Grounded & Black Oxidized Surface.
- Small & popular holder for Model Makers, Watchmakers & Small lathes.
- Set of 3 Pcs of Turning Tool Holders consisting Straight, Left & Right.
- Consists of HSS Square Tool Bits 1/8" (3mm) x 1" (25 mm).
- Shank Size 5/16" (8 mm)
- SPARE HSS BLADE ALSO AVAILABLE 3 x 3 x 25 (1/8 x 1/8 x 1").



ITEM NO.	SHANK	TOOLBIT SIZE
MMT-0143T	8mm (5/16")	3.15mm (1/8")

## PARTING TOOL HOLDERS – MINI CLAMP

ITEM NO.	SHANK
MPT-0144H	8mm
MPT-0145H	10mm
MPT-0146H	12mm

- Supplied with Blade.
- Positive locking of blade with thicker clamp to hold blade.



## CUT-OFF TOOL HOLDERS

### PARTING TOOL HOLDERS

- Supplied in three shapes; Straight, Left & Right Hand.
- Manufactured from fine quality special steel, Hardened & Ground and finely black oxidised.
- Grooves are properly manufactured to avoid play & breakage of blades.



ITEM NO. STRAIGHT	ITEM NO. LEFT	ITEM NO. RIGHT	HOLDER SIZE		SUITABLE TOOL BIT	
			INCH	MM	INCH	MM
MCT-0148S	MCT-0148L	MCT-0148R	5/16 X 9/16 x 3-1/2	8 x 14 x 90	1/16 x 5/16	1.58 x 7.93
MCT-0149S	MCT-0149L	MCT-0149R	5/16 X 3/4 X 4-1/2	8 X 19 X 114	3/32 x 1/2	2.38 x 12.7
MCT-0150S	MCT-0150L	MCT-0150R	3/8 X 7/8 X 5	9.5 X 22 X 127	3/32 x 5/8	2.38 x 15.87
MCT-0151S	MCT-0151L	MCT-0151R	1/2 X 1-1/8 X 6	13 X 28 X 152	1/8 x 3/4	3.17 x 19.05
MCT-0152S	MCT-0152L	MCT-0152R	5/8 X 1-3/8 X 7	16 X 35 X 178	1/8 x 7/8	3.17 x 22.22
MCT-0153S	MCT-0153L	MCT-0153R	3/4 X 1-5/8 X 8	19 X 41 X 203	3/16 x 1	4.76 x 25.4
MCT-0154S	MCT-0154L	MCT-0154R	7/8 X 1-3/4 X 9	22 X 44 X 228	3/16 x 1-1/8	4.76 x 28.57
MCT-0155S	MCT-0155L	MCT-0155R	1 X 2 X 10	25 X 50 X 280	1/4 x 1-1/4	6.35 x 31.75
MCT-0156S	MCT-0156L	MCT-0156R	1-1/4 X 2-1/4 X 11	32 X 57 X 330	1/4 x 1-3/8	6.35 x 34.92

## PARTING & GROOVING HOLDERS

- Supplied with Spare Insert & Ejecting Key



ITEM NO.	SHANK MM	SHANK INCHES,	INSERT
MPG-0157G	8	5/16"	Spare Insert (3mm)
MPG-0158G	10	3/8"	Spare Insert (3mm)
MPG-0159G	12	1/2"	Spare Insert (3mm)
MPG-0160G	14	9/16"	Spare Insert (3mm)
MPG-0161G	16	5/8"	Spare Insert (3mm)
MPG-0162G	20	3/4"	Spare Insert (3mm)



## PARTING TOOL BLOCKS - INDEXABLE

- Hardened Alloy steel rigid construction to provide no vibration and chatterless parting.
- 2 inserts will be provided if ordered with blade.

SPARE INSERT	
ITEM NO.	TYPE
MPT-0163S	2mm
MPT-0164S	3mm



SPARE BLADE		
ITEM NO. WITH INSERT	ITEM NO. WITHOUT INSERT	SUITABLE FOR SHANK
MPT-0165W	MPT-0165WO	8,10,12 & 14mm
MPT-0166W	MPT-0166WO	16mm
MPT-0167W	MPT-0167WO	20 & 25mm

ITEM NO. HOLDER	ITEM NO. WITH BLADE + 2 INSERT	SHANK SIZE MM	SUITABLE BLADE MM	SUITABLE CARBIDE INSERT
MPT-0168H	MPT-0168BI	8 X 31 X 65	1.7 X 20 X 90	
MPT-0169H	MPT-0169BI	10 X 31 X 65	1.7 X 20 X 90	
MPT-0170H	MPT-0170BI	12 X 31 X 65	1.7 X 20 X 90	
MPT-0171H	MPT-0171BI	14 X 31 X 65	1.7 X 25X 100	
MPT-0172H	MPT-0172BI	16 X 38 X 90	1.7 X 25X 100	
MPT-0173H	MPT-0173BI	20 X 50 X 100	2.3 X 32 X 150	
MPT-0174H	MPT-0174BI	25 X 50 X 100	2.3 X 32 X 150	

## PARTING TOOL HOLDERS – MINI

ITEM NO.	SHANK	SUITABLE BLADE
MPT-0175M	6 X 6 X 80mm	1.45 X 5 X 62mm
MPT-0176M	8 X 8 X 80mm	1.45 X 5 X 62mm
MPT-0177M	10 X 10 X 80mm	1.45 X 5 X 62mm

SPARE BLADE	
ITEM NO.	MPT-0178S



## PARTING TOOL HOLDERS – CLAMP TYPE

ITEM NO	SHANK	LENGTH	SUITABLE BLADE	
			METRIC	INCH
MPT-0179C	10MM (3/8")	55MM (2-3/16")	2.5 X 12.7 MM	3/32 X 1/2
MPT-0180C	12MM (1/2")	55MM (2-3/16")	3 X 19 MM	1/8 X 3/4
MPT-0181C	12MM (1/2")	55MM (2-3/16")	4 X 24 MM	5/32 X 15/16
MPT-0182C	16MM (5/8")	88MM (3-1/2")	5 X 25 MM	3/16 X 1
MPT-0183C	19MM (3/4")	98MM (3-7/8")	5 X 25 MM	3/16 X 1
MPT-0184C	25MM (1")	110MM (4-5/16")	5 X 32 MM	3/16 X 1-1/4



## 9PC TURNING/BORING/PARTING AND GROOVING TOOL SET 16MM SHANK

9PC Turning / Boring / Parting and Grooving Tool Set  
16mm SHANK TURNING TOOLS

ITEM NO. MBH-0190A

COMES WITH PARTING, GROOVING (INTERNAL AND EXTERNAL), TURNING TOOLS AND BORING BARS AT DIFFERENT DEGREES  
THIS SET SHOULD LET YOU BE ABLE TO DO EVERYTHING YOU NEED COMPLETE IN FITTED BOX

Tools Included:

SSSCR1616H09, SSBCR1616H09, SWGCR1616H06, SSSCR1216J09, SSKCR1216J09, SWUCR1216J06, LW1616R-04, LN16R-04, QA1616R-03  
THESE TOOLS COME WITH ONE TIP EACH. IF YOU NEED ANY MORE TIPS.



## INDEXABLE TOOL HOLDER & BORING BARS

### SCLCR/L

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4300	SCLCR/L 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4301	SCLCR/L 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4302	SCLCR/L 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4303	SCLCR/L 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4304	SCLCR/L 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4305	SCLCR/L 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4306	SCLCR/L 2525 H09	25 X 25 X 150MM	CCMT1204



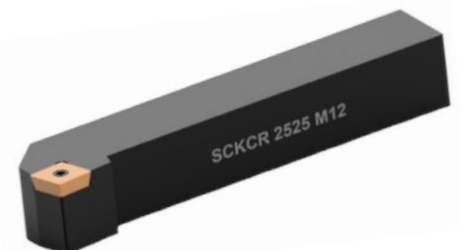
### SCBCR

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4307	SCBCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4308	SCBCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4309	SCBCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4310	SCBCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4311	SCBCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4312	SCBCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4313	SCBCR 2525 H09	25 X 25 X 150MM	CCMT1204



### SCKCR

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4314	SCKCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4315	SCKCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4316	SCKCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4317	SCKCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4318	SCKCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4319	SCKCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4320	SCKCR 2525 H09	25 X 25 X 150MM	CCMT1204



## INDEXABLE TOOL HOLDER & BORING BARS

### SCMCN

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4321	SCMCN 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4322	SCMCN 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4323	SCMCN 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4324	SCMCN 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4325	SCMCN 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4326	SCMCN 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4327	SCMCN 2525 H09	25 X 25 X 150MM	CCMT1204



### SCSCR

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4328	SCSCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4329	SCSCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4330	SCSCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4331	SCSCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4332	SCSCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4333	SCSCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4334	SCSCR 2525 H09	25 X 25 X 150MM	CCMT1204



### SCLCR/L

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4328	SCSCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4329	SCSCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4330	SCSCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4331	SCSCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4332	SCSCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4333	SCSCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4334	SCSCR 2525 H09	25 X 25 X 150MM	CCMT1204



### 7 PC SET OF TOOL HOLDEERS & BORING BAR

ITEM NO	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4342	6MM	CCMT 060204
MIT-4343	8MM	CCMT 060204
MIT-4344	10MM	CCMT 060204
MIT-4345	12MM	CCMT 060204
MIT-4346	16MM	CCMT 09034
MIT-4347	20MM	CCMT 1204
MIT-4348	25MM	CCMT 1204

### SPARE HOLDER INSERT



ITEM NO	ISO DESIGNATION
MIT-4349	CCMT 060204
MIT-4350	CCMT 090304
MIT-4351	CCMT 1204

ALL ABOVE ARE SUPPLIED COMPLETE WITH SUITABLE INSERT, SCREW & TORX KEY.

## MINI TURNING TOOL CNC PROFILE 60°

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MMT-4360	SDJCR 0808 E07	8 X 8 X 125MM	DCMT 070204
MMT-4362	SDJCR 1010 E07	10 X 10 X 125MM	DCMT 070204
MMT-4363	SDJCR 1212 E07	12 X 12 X 150MM	DCMT 070204
MMT-4364	SDJCR 1616 E07	16 X 16 X 150MM	DCMT 11T304
MMT-4365	SDJCR 2020 E07	20 X 20 X 150MM	DCMT 11T304

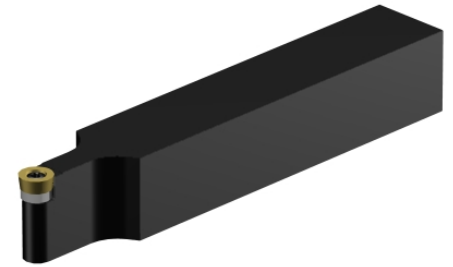


### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MMT-4366	DCMT 070204
MMT-4367	DCMT 11T304

## PROFILING TOOL STRAIGHT

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MRT-4368	SRDCN 0606	6 X 6 X 60MM	RCMT 0602
MRT-4369	SRDCN 0808	8 X 8 X 125MM	RCMT 0602
MRT-4370	SRDCN 1010	10 X 10 X 125MM	RCMT 0602
MRT-4371	SRDCN 1212	12 X 12 X 150MM	RCMT 0602
MRT-4372	SRDCN 1616	16 X 16 X 150MM	RCMT 1003



### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MRT-4373	RCMT 0602 MO
MRT-4374	RCMT 0602 MO

## EXTERNAL TURNING TOOL HOLDER

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MET-4380	SDNCN 0808 E07	8 X 8 X 125MM	DCMT 070204
MET-4381	SDNCN 1010 E07	10 X 10 X 125MM	DCMT 070204
MET-4382	SDNCN 1212 E07	12 X 12 X 150MM	DCMT 070204
MET-4383	SDNCN 1616 E07	16 X 16 X 150MM	DCMT 11T304
MET-4384	SDNCN 2020 K11	20 X 20 X 150MM	DCMT 11T304



### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MET-4385	DCMT 070204
MET-4386	DCMT 11T304

## EXTERNAL TURNING TOOL HOLDER EXTRA LONG LENGTH

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MET-4390	SRLCR 0606	6 X 6 X 125MM	CCMT 060204
MET-4391	SRLCR 0808	8 X 8 X 125MM	CCMT 060204
MET-4392	SRLCR 1010	10 X 10 X 125MM	CCMT 060204
MET-4393	SRLCR 1212	12 X 12 X 150MM	CCMT 060204
MET-4394	SRLCR 1414	14 X 14 X 150MM	CCMT 090304
MET-4395	SRLCR 1616	16 X 16 X 150MM	CCMT 090304
MET-4396	SRLCR 2020	20 X 20 X 200MM	CCMT 1204



## PROFILING TOOL RIGHT

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MET-4397	SRGCR 0808 E07	6 X 6 X 60MM	DCMT 070204
MET-4398	SRGCR 1010 E07	8 X 8 X 60MM	DCMT 070204
MET-4399	SRGCR 1212 E07	10 X 10 X 70MM	DCMT 070204
MET-4400	SRGCR 1616 E07	12 X 12 X 80MM	DCMT 11T304
MET-4401	SRGCR 2020 K11	16 X 16 X 10MM	DCMT 11T304



### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MET-4402	RCMT 0602 MO
MET-4403	RCMT 1003 MO

## EXTERNAL THREADING TOOL HOLDER

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
BET-4404	SER 1010	10 X 10 X 100MM	ER11 A60
BET-4405	SER 1212	12 X 12 X 100MM	ER11 A60
BET-4406	SER 1414	14 X 14 X 125MM	ER11 A60
BET-4407	SER 1616	16 X 16 X 125MM	ER11 A60
BET-4408	SER 2020	20 X 20 X 125MM	ER11 A60



### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
BET-4409	ER11 A60
BET-4410	ER11 A60

## INTERNAL THREADING TOOL HOLDER

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
BET-4411	SER 1010	10 X 10 X 125MM	IR11 A60
BET-4412	SER 1212	12 X 12 X 125MM	IR11 A60
BET-4413	SER 1414	14 X 14 X 150MM	IR11 A60
BET-4414	SER 1616	16 X 16 X 150MM	IR11 A60
BET-4415	SER 2020	20 X 20 X 175MM	IR11 A60

### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
BET-4416	IR11 A60
BET-4417	IR11 A60



## INDEXABLE THREADING TOOL SET 11PC

ITEM NO	SHANK SIZE	INSERT	PITCH
BET-4418	8MM	1 x ER11A60 1 x IR11A60	0.5-1.5mm
BET-4419	10MM	1 x ER11A60 1 x IR11A60	0.5-1.5mm
BET-4420	12MM	1 x ER11A60 1 x IR11A60	0.5-1.5mm
BET-4421	14MM	1 x ER11A60 1 x IR11A60	0.5-3.0mm
BET-4422	16MM	1 x ER11A60 1 x IR11A60	0.5-3.0mm
BET-4423	20MM	1 x ER11A60 1 x IR11A60	0.5-3.0mm



### SET INCLUDES:

- 1 x External Threading Tool Holder (ER).
- 1 x Internal Threading Tool Holder (IR).
- 2 x Internal Threading Insert.
- 2 x External Threading Insert.
- 4 x Torx Screws & 1 x Suitable Torx Key.

### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
BET-4424	ER11 A60
BET-4425	ER11 A60

### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
BET-4426	IR11 A60
BET-4427	IR11 A60

## INDEXABLE TURNING & PARTING TOOL SET 7PC

ITEM NO.	SIZE
BET-4428	8MM
BET-4429	10MM
BET-4430	12MM
BET-4431	14MM
BET-4432	16MM
BET-4433	20MM

- SCLCL - 1 Pc
- SDJCR - 1 Pc
- SCLCR - 1 Pc
- SCKCR - 1 Pc
- Boring Bar - 1 Pc
- Parting & Grooving Holder - 1 Pc
- External Threading Tool SER - 1 Pc



## INDEXABLE BORING BAR MINI

ITEM NO.	ISO DESIGNATION	SIZE	SUITABLE CARBIDE INSERT
BET-4433	S06H SELPR 04	6MM	EPMW 040204

- Perfect for holes less than 6.8 mm.
- Length 100mm.



### SPARE CARBIDE INSERT

ITEM NO.	ISO DESIGNATION
BET-4434	EPMW 040204

## INDEXABLE TURNING TOOL SET 5PC

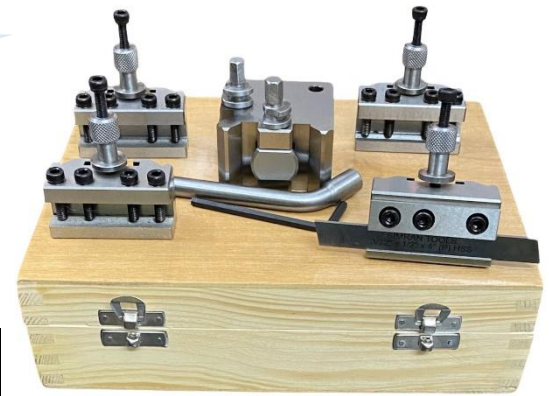
ITEM NO.	SIZE	SUITABLE CARBIDE INSERT
BET-4435	6mm (1/4")	TCMT 090204
BET-4436	8mm (5/16")	TCMT 090204
BET-4437	10mm (3/8")	TCMT 110204
BET-4438	12mm (1/2")	TCMT 110204
BET-4439	16mm (5/8")	TCMT 16T308

- STJCR - 1 Pc
- STJCL - 1 Pc
- STECN - 1 Pc
- STBCR - 1 Pc
- STBCL - 1 Pc



### T37 QUICK CHANGE TOOL POST – 5 PC

- Premium Quality Quick Change Tool Post for Lathe.
- All Parts Hardened & precisely ground.
- Suitable for MYFORD ML7 super seven lathes & similar sized



ITEM NO	MQC-0200
BLOCK DIMENSION (L X W X H)	58mm x 58mm x 37mm
MOUNTING BORE	7-1/6" (11.3mm)
CENTER HEIGHT	90-115mm
STANDARD HOLDER	12mm Capacity
VEE (BORING ) HOLDER	12mm Capacity
PARTING HOLDER	Holder Size- 3/23" x 5/8" x 5" Blade Size - 3/32" x 1/ 2" x 4"
CONTENTS	1xmounting block, 2xstandard holder, 1xparting holder, 1x boring bar, 1xparting blade

### T51 QUICK CHANGE TOOL POST – 5 PC SET

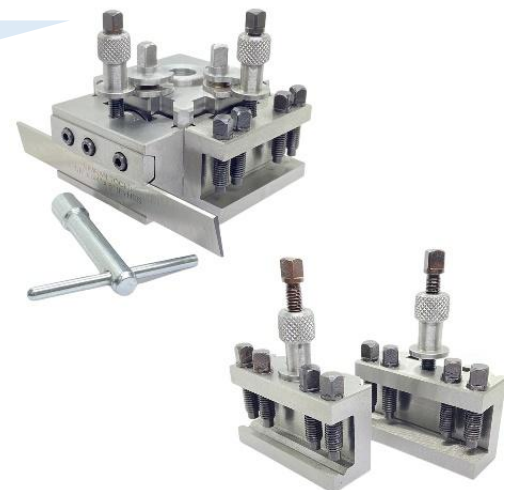


- This is a Quality made Tool-Post set which is fully Hardened & Ground and manufactured from Alloy Steel.
- Used on machines liked Boxfords & small Harrisons.

ITEM NO	MQC-0201
BLOCK DIMENSION (L X W X H)	73mm x 73mm x 51mm
MOUNTING BORE	3/4" (19mm) can be reduced
CENTER HEIGHT	125-150mm
STANDARD HOLDER	16mm Capacity
VEE (BORING ) HOLDER	16mm Capacity
PARTING HOLDER	Holder Size- 3/23" x 5/8" x 5" Blade Size – 1/8" x 3/ 4" x 6"

### T63 QUICK CHANGE TOOL POST – 5 PC SET

- Suitable for Harrison/Colchester/Chipmasters/Bantams or similarsized.



ITEM NO	MQC-0202
BLOCK DIMENSION (L X W X H)	73MM X 73MM X 63MM
MOUNTING BORE	3/4" (19MM) CAN BE REDUCED
CENTER HEIGHT	125-150MM
STANDARD HOLDER	24MM & 25MM CAPACITY
VEE (BORING ) HOLDER	24MM CAPACITY
PARTING HOLDER	HOLDER SIZE- 3/23" X 5/8" X 5" BLADE SIZE – 1/8" X 3/ 4" X 6"

### T2 QUICK CHANGE TOOL POST – 5 PC SET



ITEM NO	MQC-0203
BLOCK DIMENSION (L X W X H)	97MM X 97MM X 72MM
MOUNTING BORE	1" (25.4MM)
STANDARD HOLDER	26MM CAPACITY

### T3 QUICK CHANGE TOOL POST – 5 PC SET

Used on machines such as Colchester Mascot 1600, Harrison M450

ITEM NO	MQC-0204
Block Dimension (L x W x H)	125mm x 125mm x 95mm
Standard Holder	35mm Capacity
Vee (Boring ) Holder	35mm Capacity



### QUICK CHANGE TOOL POST- WEDGE TYPE

ITEM NO.	MODEL NO.	BLOCK SIZE	FOR LATHE SWING	SET INCLUDES THE FOLLWING
MQC-0254	OXA	1.75" x 2.5"	6" – 9" (150-230mm)	1 x Main Block 2 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 1/2" or 3/8" 1 x Boring Holder (V) 13mm 1 x Cut-off Holder 1/2"
MQC-0255	AXA	2.5" x 2.5" x 3.5"	7" – 12" (180-300mm)	1 x Main Block 1 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 5/8" or 3/4" 1 x Boring Holder (V) 14mm 1 x Cut-off Holder 1/2" 1 x Knurling Holder

STANDARD HOLDER FOR OXA	STANDARD HOLDER FOR AXA
ITEM NO.	ITEM NO.
MQC-02560	MQC-0256A
CAPACITY 13MM	CAPACITY 15MM

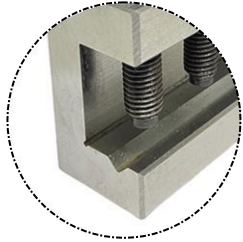


### SPARE HOLDER



### STANDARD HOLDERS

ITEM NO	CAPACITY	SUITABLE FOR
MCQ-0230S	12mm	T37
MCQ-0231S	16mm	T51
MCQ-0232S	25mm	T63
MCQ-0233S	26mm	T2
MCQ-0234S	35mm	T3



### BORING HOLDERS

ITEM NO	CAPACITY	SUITABLE FOR
MCQ-0230B	12mm	T37
MCQ-0231B	16mm	T51
MCQ-0232B	25mm	T63
MCQ-0233B	26mm	T2
MCQ-0234B	35mm	T3



### PARTING HOLDERS

ITEM NO	CAPACITY	SUITABLE FOR
MCQ-0230P	3/32 X 1/2"	T37
MCQ-0231P	1/8 X 3/4"	T51
MCQ-0232P	1/8 X 3/4"	T63
MCQ-0233P	1/8 X 7/8"	T2

### QUICK CHANGE TOOL POST- 3PC SET

- Suitable for Unimate 3, Unimate 4 & similar size lathes.

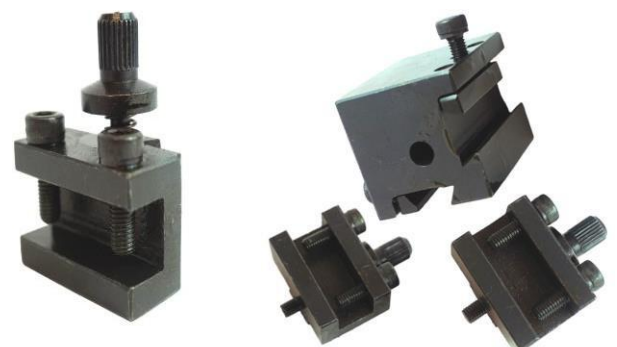
ITEM NO.	BLOCK DIMENSION L X W X H	MOUNTING BORE	CONTENTS
MQC-0235	34 X 34 X 43 mm	1/4" (6mm)	1 X Mounting Block 2 X Standard Holders



### SPARE HOLDERS

STANDARD HOLDER	
ITEM NO.	CAPACITY
MSH-0236S	13mm

SPARE TURNING HOLDER			
ITEM NO.	CAPACITY	HOLDER BORE	T NUT SIZE
MSH-0236T	10mm	6mm	12mm



### QUICK CHANGE TOOL POST- 4PC SET

ITEM NO.	BLOCK DIMENTION	MOUNTING BORE	CONTENTS
	L X W X H		
<b>MQC-0237</b>	60x50x30MM	10MM	1 X MOUNTING BLOCK 3 X VEE HOLDER
<b>MQC-0238</b>	67x67x50MM	11MM (TOP) 16MM (BOTTOM)	1 X MOUNTING BLOCK 3 X VEE HOLDER

**SPARE HOLDER**

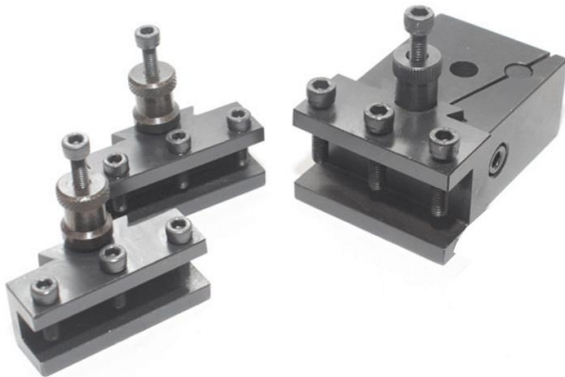


STANDARD HOLDER	STANDARD HOLDER
ITEM NO.	ITEM NO.
<b>MQC-0239</b>	<b>MQC-0240</b>
CAPACITY 20MM	CAPACITY 10MM

### QUICK CHANGE TOOL POST- 4PC SET

ITEM NO.	BLOCK DIMENTION L X W X H	MOUNTING BORE	CONTENTS
<b>MQC-0241</b>	70X70X35MM	10MM( TOP) 20MM (BOTTOM)	1 X MOUNTING B 3 X STANDARD HC

**SPARE HOLDER**



STANDARD HOLDER
ITEM NO.
<b>MQC-0241S</b>
CAPACITY 16MM

### QUICK CHANGE TOOL POST- 5PC SET

ITEM NO.	BLOCK DIMENTION L X W X H	MOUNTING BORE	CONTENTS
<b>MQC-0242</b>	60X55X30MM	10MM (TOP) 8MM (BOTTOM)	1 X MOUNTING BLOCK 3 X STANDARD HOLDERS 12MM 1 X STANDARD HOLDERS 24MM

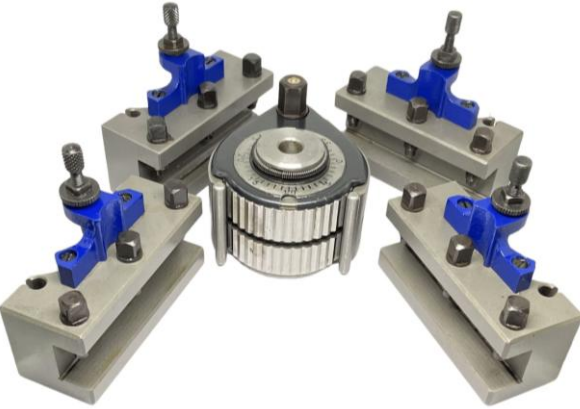
**SPARE HOLDER**

STANDARD HOLDER	STANDARD HOLDER
ITEM NO.	ITEM NO.
<b>MQC-0243</b>	<b>MQC-0244</b>
CAPACITY 12MM	CAPACITY 24MM





### QUICK CHANGE TOOL POST SET MULTI FIX 40 POSITION 5 PC SET



ITEM NO.	MODEL NO.	BLOCK HEIGHT	MOUNTING BORE	FOR LATHE SWING	SET INCLUDES THE FOLLOWING
MQC-0245	A0	33MM	2033 (10.2MM)	120-200MM	1 X MAIN BLOCK 3 X TURNING AND FACING HOLDERS (STANDERD) 1 X BORING HOLDER (V)
MQC-0246	A1	54MM	13MM (6MM)	150-300MM	1 X MAIN BLOCK 3 X TURNING AND FACING HOLDERS (STANDERD) 1 X BORING HOLDER (V)
MQC-0247	AE	70MM	20MM (10.2MM)	200-400MM	1 X MAIN BLOCK 3 X TURNING AND FACING HOLDERS (STANDERD) 1 X BORING HOLDER (V)

#### SPARE HOLDER

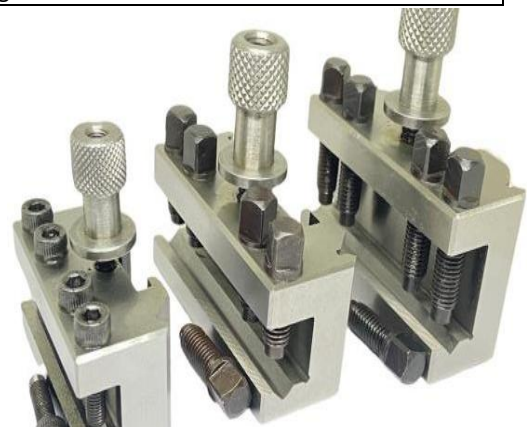
STANDARD HOLDER FOR A0	STANDARD HOLDER FOR A1	STANDARD HOLDER FOR AE
ITEM NO.	ITEM NO	ITEM NO
MQC-0248	MQC-0249	MQC-0250
CAPACITY 12MM	CAPACITY 20MM	CAPACITY 20MM

BORING HOLDER FOR A0	BORING HOLDER FOR A1	BORING HOLDER FOR AE
ITEM NO	ITEM NO	ITEM NO
MQC-0251	MQC-0252	MQC-0253
CAPACITY 12MM	CAPACITY 20MM	CAPACITY 30MM

### QUICK CHANGE TOOL POST- WEDGE TYPE

ITEM NO.	MODEL NO.	BLOCK SIZE	FOR LATHE SWING	SET INCLUDES THE FOLLWING
MQC-0254	OXA	1.75" x 2.5"	6" – 9" (150-230mm)	1 x Main Block 2 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 1/2" or 3/8" 1 x Boring Holder (V) 13mm 1 x Cut-off Holder 1/2"
MQC-0255	AXA	2.5" x 2.5" x 3.5"	7" – 12" (180-300mm)	1 x Main Block 1 x Turning and Facing Holder (Standard) 1 x Boring Holder (O) 5/8" or 3/4" 1 x Boring Holder (V) 14mm 1 x Cut-off Holder 1/2" 1 x Knurling Holder

STANDARD HOLDER FOR OXA	STANDARD HOLDER FOR AXA
ITEM NO.	ITEM NO.
MQC-02560	MQC-0256A
CAPACITY 13MM	CAPACITY 15MM



### DIE STOCK HANDLES / HOLDERS – M.S.

- For holding adjustable round split Dies.
- Made from Mild steel , Black Finish.
- Three Set Screws pattern.
- Single piece Construction.
- Die holders have a rugged construction with heavy duty set screws that hold the die firmly in place. The inside screw ,tighten to make thread on screw or rod larger. Tighten the two outside screws to make thread on rod narrower.

ITEM NO.	OUTSIDE DIA. OF DIE	LENGTH (INCH)
MDS-0257	5/8"	5-1/2"
MDS-0258	13/16"	6-1/2"
MDS-0259	1"	8-1/2"
MDS-0260	1-5/16"	10"
MDS-0261	1-1/2"	12"
MDS-0262	2"	15"
MDS-0263	2-1/2"	19"
MDS-0264	3"	22"
MDS-0265	3-1/2"	24"
MDS-0266	4"	29"
MDS-0267	5"	33"
MDS-0268	3 Pc Set consisting of 1", 1-5/16" and 1-1/2"	
MDS-0269	4 Pc Set consisting of 13/16", 1", 1-1/2" and 2"	



### DIE HOLDERS / HANDLES – (ZINC)

- Range of die stock handles/ holders, used for making external/ internal threads.
- Round die inverted in die stock, to make clean cutting of external threads.
- Die holders have a rugged construction with heavy duty set screws that hold the die firmly in place.
- The inside screw, tighten to make thread on screw or rod larger.
- Tighten the two outside screws to make thread on rod narrower.
- Zinc dies casted body with screws for tightening the dies.
- Chrome plated handles.

ITEM NO.	OUTSIDE DIA. OF DIE	LENGTH (INCH)
MDH-0270	20 x 5	200
MDH-0271	20 x7	220
MDH-0272	25 x 9	224
MDH-0273	30 x 11	280
MDH-0274	38 x 14	315

### CONDUIT DIE SET

- Made from fine quality tool steel.
- Stocks & Dies made from high quality steel for longer life.

ITEM NO.	SET CONTENTS
MCD-0275	M20 , M25
MCD-0276	M20 , M25 & M32



### SELF ALIGNING TAP & REAMER HOLDER

- Hold tap and reamer true, preventing breakage.
- Hardened and replaceable jaws.
- Set consists of tapping guide, tap holder and jaw A for capacity 1/4" / M8 Tap and Jaw B for capacity 1/4" – 1/2" / M6 – M12 Tap.
- 85% Tap breakage eliminated
- Holds tool true-perfect alignment.
- Center drill or stem for floating center.

ITEM NO.	DESCRIPTION
MSA-0277	Complete Set
MSA-0277J	Set of Replacement Jaws (A + B)



### TAP WRENCHES

- Double-end adjustable tap wrenches , also known as bar wrenches, have one threaded handle which is attached to one of the clamps.
- The clamp opened to insert the tool and then tightened down against the tool to secure it.
- This type of tap wrenches, used with larger taps and where there is room for a larger wrench.
- Hardened and tempered jaws.
- High Quality Tool for Hand Tapping Operation.
- Available in Zinc Casting Body, Drop Forged and MS casting Body.
- Small Sizes upto 1-1/8" available in Drop Forged Steel body and Large Size in Casting Body.
- Also Available in color Body and with Insulation Sleeves.

simran tools



ITEM NO.	TAP CAPACITY		TOTAL LENGTH	
	INCH	MM	INCH	MM
MTW-0278	1/16" to 1/4"	1.5 to 6	7"	175
MTW-0279	1/16" to 3/8"	1.5 to 10	9"	225
MTW-0280	5/32" to 1/2"	4 to 12	11"	275
MTW-0281	5/32" to 3/4"	4 to 18	15"	375
MTW-0282	1/4" to 1-1/8"	6 to 27	19"	475
MTW-0283	3/4" to 1-1/2"	18 to 35	40"	1000
MTW-0284	1" to 2-1/2"	25 to 60	54"	1350

## DIE ADAPTERS

- Easily converts round die into hex dies.
- Just set the correct size die into adapter and tighten the screw.
- Great tool to use where conventional die stocks cannot swing due to lack of space.

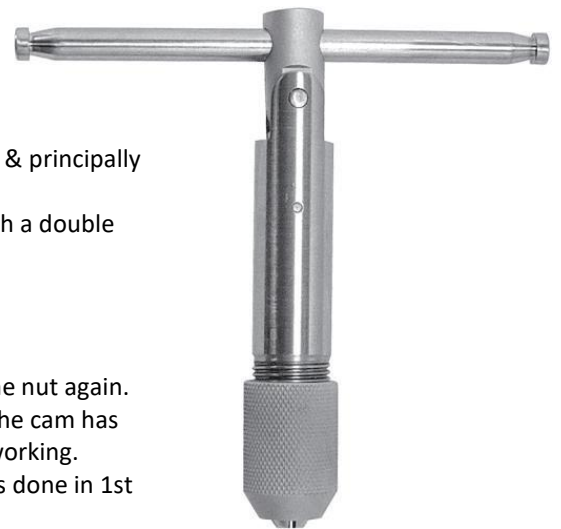
ITEM NO.	SIZE OF CUTTER	ITEM NO.	SIZE OF CUTTER
MDA-0285	13/16"	MDA-0288	2"
MDA-0286	1"	MDA-0289	2-1/2"
MDA-0287	1-1/2"	MDA-0290	3"



## T-TAP WRENCH CAM LOCK

ITEM NO MTW-0291

- Quality robust design T-Handle Tap Wrench for handling extreme torque , & principally based on a revolutionary cam lock system.
- Wide range of Tap holding capacity from 1/8" to 1/2" (M3 to M12) through a double size collet inside.
- Can also be used as a hand drill for sizes 1/8" – 5/16"
- **HOW TO USE :**
  1. Position the T-handle parallel to the body of the tap wrench.
  2. Loosen the knurled nut, hold the desired tap & then re-tighten tighten the nut again.
  3. Reposition the T-handle 90° to the body as it was during first step, now the cam has locked the tap securely in place., which will never let the tap fall off while working.
  4. To take out/ change the tap, just turn the T-handle parallel to the body as done in 1st step and the tap can be released easily.



## T-TAP WRENCHS (SOLID JAW)

- T handle tap wrenches, ideal for holding taps, reamers, screw extractors and other such small hand turned tools.
- T-handle tap wrench allows you to turn taps to help make screw threads.
- Fixed wrench has an extended shank for hard-to-reach tapping jobs.
- Fixed "T" handle for tapping in open areas.
- Used in Hand Tapping.
- Can be used on other tools with a square head, such as screw extractors and reamers.
- Heavy knurled Cap for better grip.
- Ideal tool for general tapping application.



ITEM NO	MODEL NO	TAP CAPACITY		O.A.L
		INCH	MM	(MM)
<b>SOLID JAWS</b>				
MTH-0292A	A	1/16-5/32"	1.6-4	60
MTH-0293B	B	5/32-1/4"	4-6.3	70
MTH-0294C	C	3/16-5/16"	4.5-8	80
MTH-0295D	D	1/4-1/2"	6-12	88
MTH-0296	4 PC SET OF A/B/C/D			
MTH-0295	3PC SET OF A/B/D			

### T-TAP WRENCHS (REPLACEABLE JAW)

- Tap wrenches, ideal for holding taps, reamers, screw extractors and other such small hand turned tools.
- These wrenches have sliding T handle friction ally held, that allows these tap wrenches used even in confined spaces.
- Jaws are hardened and tempered, Jaws are replaceable.
- Shiny Ground Finish.
- Used in hand tapping.
- Can also be used with drills and reamers.



Pull the pin up and adjust right or left to control movement

ITEM NO.	TAP CAPACITY	
	INCH	MM
MTW-0297	1/16" to 5/32"	1.5 to 4
MTW-0298	5/32" to 1/4"	4 to 6
MTW-0299	1/4" to 1/2"	6 to 12
MTW-0300	Set of 3 Pcs	

### RACHET TAP WRENCH - T HANDLE

- Sliding T-Handle for fitting into tight spaces with greater leverage.
- Jaws are hardened and tempered, Jaws are replaceable.
- Shiny Ground Finish.
- Used in hand tapping.
- Can also be used with taps, reamers, screw extractors and other tools with a square shank.
- Ratchet action is reversible by changing the position of the upper knob.



	CAPACITY	
	INCH	INCH
MRT-0301	1/16" to 5/32"	1.5 to 4
MRT-0302	5/32" to 1/4"	4 to 6
MRT-0303	1/4" to 1/2"	6 to 12
MRT-0304	Set of 3 Pcs	

### PILOTED SPINDLE TAP WRENCH

ITEM NO.	TAP CAPACITY (INCH)	SQUARE SIZE (MM)
MPS-0305	1/16" to 1/4"	3 - 5.0
MPS-0306	1/4" to 1/2"	5 - 7.0
MPS-0307	2 Pcs Set Consisting 1 each in a Box	

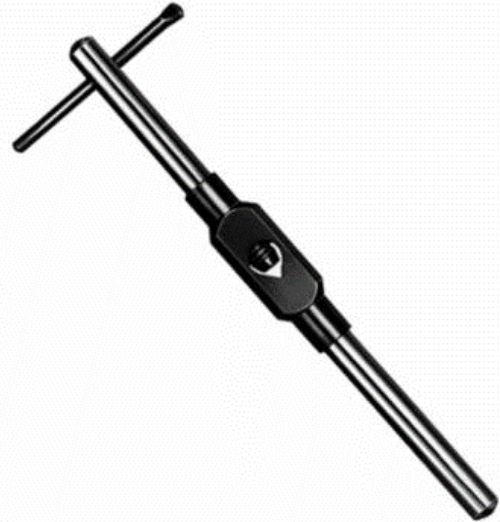
- Hardened and Tempered Replaceable Jaws.
- Tapping accessory for drill presses or lathes.
- Used for threading a drilled hole manually at one machine location, without moving the work piece
- Ensures identical centreline of the Tap and drilled hole.
- Can also be used as an ordinary Tap Wrench.



### MINI TAP WRENCH / HANDLE

- Handy Tapping tool.
- Ideal for Jeweller's, Watch Maker's and for small Tapping applications.
- They are ideal for small scale models, clocks, instruments, watches, business machines and much more.
- Can be used for a wide range of materials such as low carbon steels, stainless steel, copper, brass, aluminum, and plastics.

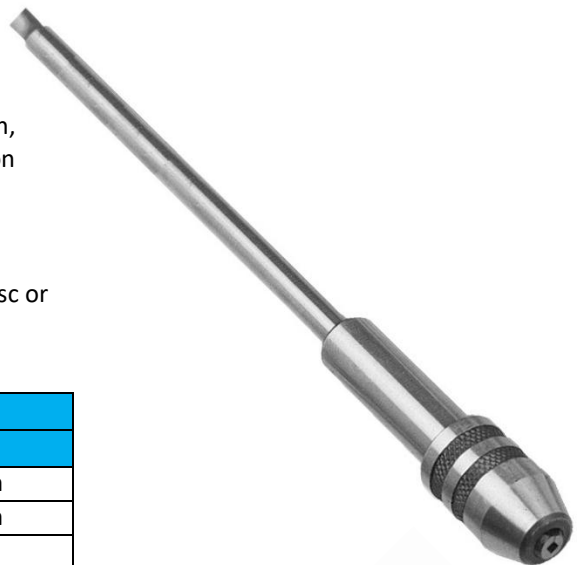
ITEM NO.	TAP CAPACITY	
	INCH	MM
MMT-0308	1/4"	6mm
MMT-0309	1/2"	12mm
MMT-0310	Pc Set consisting of 1 each	



### TAP EXTENSIONS

- The tap, supported by the close-fitting deep socket of the extension, held firmly in position by two socket set screws bearing 90° apart on the square of the tap.
- Eliminates need for expensive, hard to get extension taps.
- All steel construction with knurled grip chuck .
- The perfect option for reaching taps into pockets or the hub of a disc or wheel For taps.
- Attractive Finish.

ITEM NO.	TAP CAPACITY INCH	LENGTH	
		INCH	MM
MTE-0311	No. 0 to 12	7"	180 mm
MTE-0312	No. 12 to 1/2"	10-3/4"	275 mm
MTE-0313	2 Pcs Set Consisting 1 each in a Box		



### EXTRA LONG T-TAP WRENCHES/HANDLE

- Extra long tap wrenches are just what you need to tap those hard to reach holes.
- Wrenches have an extended shank for hard-to-reach tapping jobs.
- Fixed "T" handle for tapping in open areas. Adjust for right- or left-hand ratchet action, or lock in a non ratchet position.
- Hardened and Tempered Replaceable Jaws 6" (150 mm) Long, 9" (225 mm) & 12" (300 mm)
- Shiny Ground Finish.
- Available in Solid Jaws, Replaceable Jaws and Ratchet Jaws.

ITEM NO.	TYPE	TAP CAPACITY INCH	SQUARE SIZE MM
MEL-0314	Solid Jaws	5/32 - 1/4	3 - 5.0
MEL-0315	Solid Jaws	1/4 - 1/2	5 - 7.0
MEL-0316	Replaceable Jaws	5/32 - 1/4	3 - 5.0
MEL-0317	Replaceable Jaws	1/4 - 1/2	5 - 7.0
MEL-0318	Ratchet Type	5/32 - 1/4	3 - 5.0
MEL-0319	Ratchet Type	1/4 - 1/2	5 - 7.0
MEL-0320	Solid Jaws	Set of 2 Pcs (One from Each Size)	
MEL-0321	Replaceable Jaws	Set of 2 Pcs (One from Each Size)	
MEL-0322	Ratchet Type	Set of 2 Pcs (One from Each Size)	



## ROTARY TABLE 3" PLAIN 4 SLOT

- Diameter 3" (80 mm)
- Table Height: 1- 5/8"
- Base Dimensions: 4. 1/8" x 3. 1/4"
- Center Height in Vertical Position: 1. 11/16"
- T-Slots: 5/16"
- Operates in the Horizontal or Vertical position



ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	GEAR RATIO
		INCH	MM	INCH	MM		
<b>MRT-0340</b>	H & V	3	75	1-3/4	45	13	36:1
<b>MRT-0341</b>	Rotary Table + Clamping Kit						
<b>MRT-0342</b>	Rotary Table + 3 Jaw 65mm Self Centering Lathe Chuck + Back Plate						
<b>MRT-0343</b>	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						



## ROTARY TABLE 3" TILTING 4 SLOT

- Type: Tilting
- Gear Table Diameter 3" (75 mm)
- Overall Height : 2-3/8" (60 mm)
- T Slot Width 13 mm
- Ration 36 : 1

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	GEAR RATIO
		INCH	MM	INCH	MM		
<b>MRT-0344</b>	TILTING	3	75	2-1/8	55	13	36:1
<b>MRT-0345</b>	Rotary Table + Clamping Kit						
<b>MRT-0346</b>	Rotary Table + 3 Jaw 65mm Self Centering Lathe Chuck + Back Plate						
<b>MRT-0347</b>	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						

## ROTARY TABLE 4" PLAIN 4 SLOT

- Diameter 4" (100 mm)
- Vertical Center Height 2-1/16" (Approx. 51 mm)
- 36 : 1 ratio



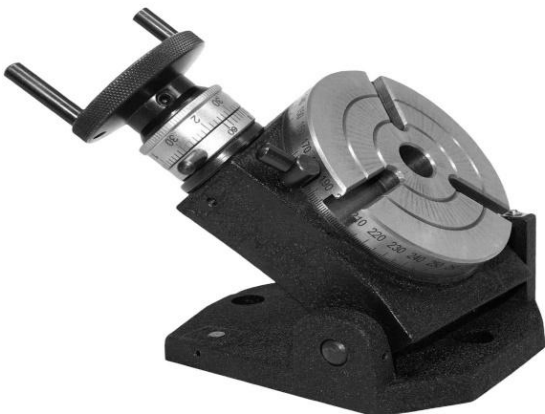
ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	GEAR RATIO
		INCH	MM	INCH	MM		
<b>MRT-0348</b>	H & V	4	100	1-1/4	57	13	36:1
<b>MRT-0349</b>	Rotary Table + Clamping Kit						
<b>MRT-0350</b>	Rotary Table + 3 Jaw 65mm Self Centering Lathe Chuck + Back Plate						
<b>MRT-0351</b>	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						

### ROTARY TABLE 4" TILTING 4 SLOT

- Chuck Diameter 4" (100 mm)
- 66mm overall height in flat position
- This relatively low height increases the working capacity for machines.
- Base Dimension 145 mm x 126 mm
- Two 10 mm Mounting slots on the base
- Table surface has 4 Radial T Slots for 8 mm T Nuts
- Graduated 0 – 360° in 5 increments
- Winding Handle is Graduated 0 – 10 in 5 min divisions



ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	GEAR RATIO
		INCH	MM	INCH	MM		
<b>MRT-0352</b>	TILTING	4	100	2-5/8	67	13	36:1
<b>MRT-0353</b>	Rotary Table + Clamping Kit						
<b>MRT-0354</b>	Rotary Table + 3 Jaw 65mm Self Centering Lathe Chuck + Back Plate						
<b>MRT-0355</b>	Rotary Table + 4 Jaw 70mm Independent Lathe Chuck + Back Plate						



### ROTARY TABLE 4" TILTING/100MM WITH MT2 BORE

- Can be Tilted from 0 to 180°
- 1. Engage & Disengage Function for manual indexing

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	CENTER SLEEVE	VERTICAL CENTER HEIGHT
		INCH	MM	INCH	MM			
<b>MRT-0356</b>	TILTING	4	100	2-1/2	66	14	72:1	85MM
<b>MRT-0357</b>	Rotary Table + Clamping Kit							
<b>MRT-0358</b>	Rotary Table + Clamping Kit + Tailstock							

### ROTARY TABLE HORIZONTAL & VERTICAL 3/8"/110MM

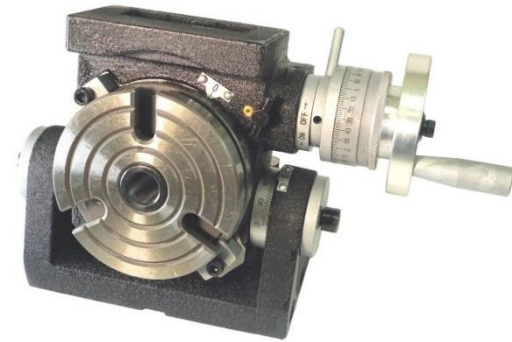
- Engage & Disengage Function for manual indexing

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	CENTER SLEEVE	VERTICAL CENTER HEIGHT
		INCH	MM	INCH	MM			
<b>MRT-0359</b>	H & V	4-3/8	110	3-1/8	80	17	MT2	86MM
<b>MRT-0360</b>	Rotary Table + Clamping Kit							
<b>MRT-0361</b>	Rotary Table + Dividing Plate Set							
<b>MRT-0362</b>	Rotary Table + Dividing Plate Set + Tailstock							



## ROTARY TABLE

TILTING 4-3/8"/110MM



ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		INCH	MM	INCH	MM			
MRT-0363	TILTING	4-3/8	110	5	126	17	MT2	90:1
MRT-0364	Rotary Table + Clamping Kit							
MRT-0365	Rotary Table + Dividing Plate Set							
MRT-0366	Rotary Table + Dividing Plate Set + Tailstock							

## ROTARY TABLE

HORIZONTAL & VERTICAL -6"/150MM



### 3 SLOT

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH (MM)	GEAR RATIO	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		INCH	MM	INCH	MM				
MRT-0367	H & V	6	150	3-1/4	80	16	90:1	MT2	102
MRT-0368	Rotary Table + Clamping Kit								
MRT-0369	Rotary Table + Dividing Plate Set								
MRT-0370	Rotary Table + Dividing Plate Set + Tailstock								

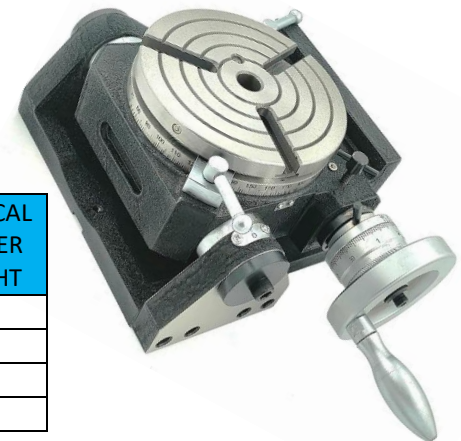
### 4 SLOT

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH (MM)	GEAR RATIO	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		INCH	MM	INCH	MM				
MRT-0371	H & V	6	150	3-1/4	80	16	90:1	MT2	102
MRT-0372	Rotary Table + Clamping Kit								
MRT-0373	Rotary Table + Dividing Plate Set								
MRT-0374	Rotary Table + Dividing Plate Set + Tailstock								

- Engage & Disengage Function for Manual indexing

## ROTARY TABLE

TILTING - 6"/150MM



ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH(MM)	GEAR RATIO	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		INCH	MM	INCH	MM				
MRT-0375	TILTING	6	150	5	125	16	90:1	MT-2	97
MRT-0376	Rotary Table + Clamping Kit								
MRT-0377	Rotary Table + Dividing Plate Set								
MRT-0378	Rotary Table + Dividing Plate Set + Tailstock								

- Can be Tiled from 0 to 180°.
- Engage & Disengage Function for Manual indexing

### ROTARY TABLE HORIZONTAL & VERTICAL -8"/200MM

- Engage & Disengage Function for Manual indexing

#### 3 SLOT

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH (MM)	GEAR RATIO	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		MM	INCH	MM	INCH				
MRT-0379	H & V	8	200	4-1/4	108	24	90:1	MT-3	135
MRT-0380		Rotary Table + Clamping Kit							
MRT-0381		Rotary Table + Dividing Plate Set							
MRT-0382		Rotary Table + Dividing Plate Set + Tailstock							



#### 4 SLOT

ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH (MM)	GEAR RATIO	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		INCH	MM	INCH	MM				
MRT-0383	H & V	8	200	4-1/4	108	24	90:1	MT-3	135
MRT-0384		Rotary Table + Clamping Kit							
MRT-0385		Rotary Table + Dividing Plate Set							
MRT-0386		Rotary Table + Dividing Plate Set + Tailstock							



### ADJUSTABLE TAILSTOCK FOR ROTARY TABLES



ITEM NO.	ADJ. HEIGHT (MIN- MAX)
MAT-0387	108-142



ITEM NO.	ADJ. HEIGHT (MIN- MAX)	
	INCH	MM
MAT-0388	3.1/4 – 4.1/4	78 - 107

### ADJUSTABLE TAILSTOCK FOR ROTARY TABLES



ITEM	HEIGHT	
	INCH	MM
<b>MAT-0389</b>	1.1/2 - 2.1/2	38 - 63



ITEM	ADJ. HEIGHT (MIN - MAX)	
	INCH	MM
<b>MAT-0390</b>	3 - 4	75 - 100



ITEM	ADJ. HEIGHT (MIN - MAX)	
	INCH	MM
<b>MAT-0391</b>	4-3/8 - 6	110 - 153

### RAPID INDEXER HORIZONTAL & VERTICAL

- Gear Ratio 24:1
- Manufactured from closed grained cast iron.
- 3 Jaw Self Centring Lathe Chuck Included



ITEM NO.	BASE DIMANTION	CENTER HIGHT	3 JAW CHUCK
<b>MRI-0392</b>	120 x 120 x 62mm	65mm	80mm
<b>MRI-0393</b>	145 x 145 x 62mm	80mm	100mm
<b>MRI-0394</b>	160 x 160 x 62mm	85mm	125mm



**ITEM NO 0396**

- No. Of Holes of Dividing Plates are as follows:
- Plate 'A' - 26,30,34,38,41,44,47,51,57,28,32,37,39,43,46,49,53,59
- Plate 'B' - 61,69,71,77,81,87,91,97,63,69,73,79,83,89,93,99
- Comes Complete with Washers, Crank Handle & Screws.
- SUITABLE FOR FOLLOWING ROTARY TABLES MRT-0379, MRT-0383.

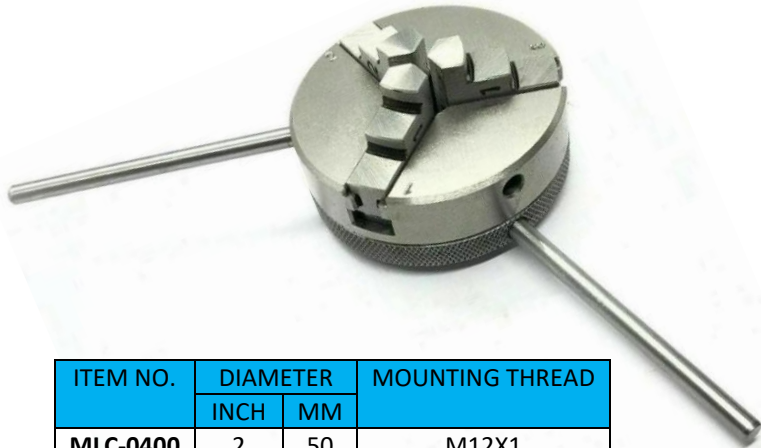
### DIVIDING PLATE SETS FOR ROTARY TABLES

**ITEM NO 0395**

- No. Of Holes of Dividing Plates are as follows:
- Plate 'A' - 15, 16, 17, 18, 19, 20
- Plate 'B' - 21, 23, 27, 29, 31, 33
- Plate 'C' - 37, 39, 41, 43, 47, 49, comes with complete kit
- SUITABLE FOR FOLLOWING ROTARY TABLES MRT-0359, MRT-0375, MRT-0363, MRT-0367, MRT-0371



## MINI LATHE CHUCKS 3 JAW SELF CENTERING



ITEM NO.	DIAMETER		MOUNTING THREAD
	INCH	MM	
MLC-0400	2	50	M12X1
MLC-0402	2	50	M14X1
MLC-0403	2-1/2	65	M14X1

## MINI LATHE CHUCKS INDEPENDENT



ITEM NO.	DIAMETER		MOUNTING THREAD
	INCH	MM	
MLC-0404	2	50	M12X1
MLC-0405	2	50	M14X1
MLC-0406	2-1/2	65	M14X1
MLC-0407	2-3/4	70	M14X1

## MINI LATHE CHUCKS 4 JAW SELF CENTERING

ITEM NO.	DIAMETER		MOUNTING THREAD
	INCH	MM	
MLC-0408	2	50	M12X1
MLC-0409	2	50	M14X1
MLC-0410	2-1/2	65	M14X1
MLC-0411	2-3/4	70	M14X1



## LATHE CHUCKS SELF CENTERING

ITEM NO.	MM
MLC-0412	80
MLC-0413	85
MLC-0414	100
MLC-0415	125
MLC-0416	160
MLC-0417	200
MLC-0418	250
MLC-0419	315
MLC-0420	350



### BACK PLATES STEEL



### BACK PLATES ALUMINIUM



ITEM NO.	DIAMETER		MOUNTING THREAD
	INCH	MM	
<b>MBP-0455</b>	2-1/4	55	M14
<b>MBP-0456</b>	3-1/4	80	M14

ITEM NO.	DIAMETER		SUITABLE LATHE CHUCK
	INCH	MM	
<b>MBP-0457</b>	4	100	80MM
<b>MPP-0458</b>	6	150	100MM/125MM

### CLAMPING KIT



ITEM NO.	THREAD
<b>MCK-0459</b>	M5

ITEM NO.	THREAD	SUITABLE FOR ROTARY TABLE
<b>MCK-0460</b>	M6	GRT - 0004 / GRT - 00T4 / GRT - 004T
<b>MCK-0461</b>	M8	GRT - HV04 / GRT - HV04T / GMT - 0213 / GRT - 2134 / GRT - 213T
<b>MCK-0462</b>	M10	GRT -0214 / GRT - 0215

### T-NUT FOR ROTART TABLES



ITEM NO.	THREAD	SIZE
MTN-0500	M5	12 x 12mm
MTN-0501	M6	12 x 12mm
MTN-0502	M8	12 x 12mm
MTN-0503	M10	19 x 17mm

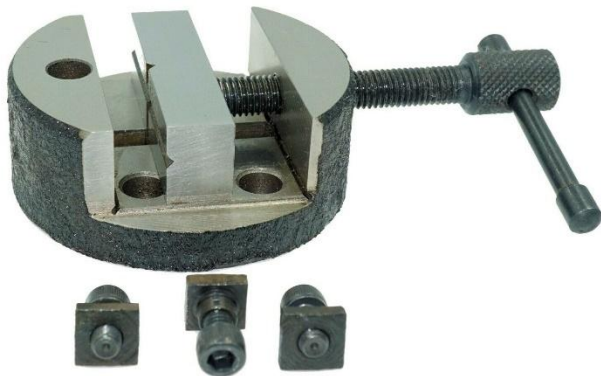
### CLAMPING KIT 24 PCS SET



ITEM NO.	THREAD	SUITABLE T SLOT SIZE
MTN-0504	M6	8MM

### COLLECT CHUCK ADAPTER FOR ROTARY TABLE

ITEM NO.	DIAMETER	COLLECT TYPE	SUITABLE FOR ROTARY TABLE
MCC-0505	80MM	ER 16	3"/75MM & 4"/100MM
MCC-0506	80MM	ER 25	3"/75MM & 4"/100MM
MCC-0507	80MM	ER 32	3"/75MM & 4"/100MM



### VICE FOR ROTARY TABLES

ITEM NO.	JAW LENGTH	JAW DEPTH	JAW OPENING	SUITABLE FOR ROTARY TABLE
MRV-0508	80MM	20MM	40MM	4"/100MM
MRV-0509	70MM	20MM	28MM	3"/75MM

### MILLING MACHINE VICE



SWIVAL BASE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MMM-0510S	2	50	2	50	1	25
MMM-0511S	3	75	3	75	1-1/4	33
MMM-0512S	4	100	4	100	1-1/2	38
MMM-0513S	5	125	5	125	2	50
MMM-0514S	6	150	6	150	2-1/8	53

FIXED BASE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MMM-0510F	2	50	2	50	1	25
MMM-0511F	3	75	3	75	1-1/4	33
MMM-0512F	4	100	4	100	1-1/2	38
MMM-0513F	5	125	5	125	2	50
MMM-0514F	6	150	6	150	2-1/8	53

- Manufactured from closed grain high tensile seasoned cast iron.
- Horizontal swivel base model has 360° graduations.
- Jaws are hardened and ground.
- Vice can be set at any angle along with the vertical axis.

### MILLING MACHINE VICE (2 WAY)



ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MMM0515	2	50	2	50	1	25
MMM0516	3	75	3	75	1-1/4	33
MMM0517	4	100	4	100	1-1/2	38
MMM0518	5	125	5	125	2	50

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Positive locking to withstand heavy loads.
- Horizontal swivel base model has 360° graduations.
- Vertical swivel movement 90°
- Jaws are hardened and ground.
- Vice can be set at any angle along with the vertical axis.

### UNIVERSAL MACHINE VICE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MUM-0519	2	50	2	50	1	25
MUM-0520	3	75	3	75	1-1/4	33
MUM-0521	4	100	4	100	1-1/2	38

- Perfect piece of workmanship.
- Job can be held firmly at any desired compound table.
- Low height ovenation makes these useful even on the most complicated grinding Jobs.
- Horizontal vivel base model has 360° graduations allows complete rotation along vertical axis.
- The third angular slide with a moving axis allows for any setting in 3D plane.
- Jaws are hardened and ground.
- Manufactured from closed grain high tensile seasoned cast iron.



### MILLING MACHINE VICE 3 WAY

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MMM-0522	2	50	2	50	1	25
MMM-0523	3	75	3	75	1-1/4	33
MMM-0524	4	100	4	100	1-1/2	38
MMM-0525	5	125	5	125	2	50



- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Positive locking to withstand heavy loads.
- Horizontal swivel base model has 360° graduations.
- Vertical indexing 90°.
- Tilting range 45°.
- Jaws are hardened and ground.
- Vice can be set at any angle along with the vertical axis.

### SELF CENTERING MACHINE VICE



#### SWIVAL BASE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MSC-0526S	2	50	2	50	1	25
MSC-0527S	3	75	3	75	1-1/4	33
MSC-0528S	4	100	4	100	1-1/2	38
MSC-0529S	5	125	5	125	2	50
MSC-0530S	6	150	6	150	2-1/8	53

#### FIXED BASE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MSC-0526F	2	50	2	50	1	25
MSC-0527F	3	75	3	75	1-1/4	33
MSC-0528F	4	100	4	100	1-1/2	38
MSC-0529F	5	125	5	125	2	50
MSC-0530F	6	150	6	150	2-1/8	53

### MODULAR MACHINE VICE SET OF 3 PC



ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MMM-0531	2	50	2	50	1	25
MMM-0532	3	75	3	75	1-1/4	33
MMM-0533	4	100	4	100	1-1/2	38

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Used for milling, shaping, drilling, grinding etc.
- This vice can be replaced by t-slot table provided in the set.
- Tilting movement 0°-45°
- Horizontal movement 0° - 90°
- Fixed rotary base provide with 360° rotation.
- Jaws are hardened and ground.

### SELF CENTERING MACHINE VICE LOW PROFILE

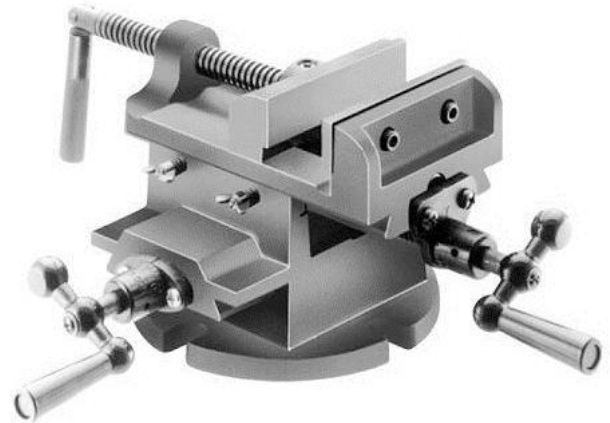
- Allows self centring for accurate centring of jobs automatically.
- A milled slot in the vice base allows for accurate location of the vice on he machine table using rectangular locating nuts.
- Opposite threads for quick and accurate centring.
- The vice is specially useful in applications where the same operation is to be performed on work pieces of varying sizes.



ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		HEIGHT	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
MSC-0534	2	50	3-1/8	78	1-1/8	28	2-3/8	60
MSC-0535	3	75	5	125	1-3/8	35	3	75
MSC-0535A	4	100	4	100	1-1/2	38	5-1/4	130

### COMPOND SLIDING VICE

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- Assembled and supplied with Self centring vice.
- Used for milling, shaping, drilling, grinding etc.
- Jaws are hardened and ground.
- X Travel 85mm.
- Y Travel 105mm.
- Allows self centring for accurate centring of jobs automatically



ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		HEIGHT	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
MCS-0536								
MCS-0537	3-1/8	80	3	75	1-1/4	32	6	150

### DRILL PRESS VICE LONG SLOT

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		HEIGHT	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
MDP-0538								
MDP-0539	3-1/8	80	3	75	1-1/4	32	6	150



### DRILL PRESS VICE UNIGRIP

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MDP-0540	3	75	2.3/4	70	1.3/16	30
MDP-0540A	4	100	3.1/2	88	1.3/16	30
MDP-0540B	5	125	4.3/4	120	1.3/8	15



### DRILL PRESS VICE INDUSTRIAL

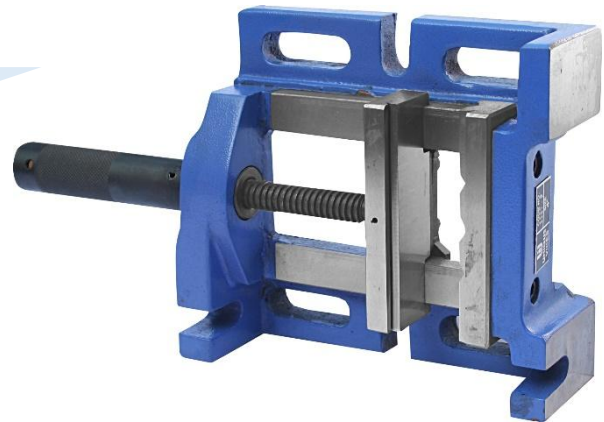
ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MDP-0541	2	45	2.3/4	45	1"	24
MDP-0542	3	75	3	75	1-3/8	35
MDP-0543	4	100	4	100	1-1/2	40
MDP-0544	5	125	5	125	1-3/4	45



### DRILL PRESS VICE UNIGRIP 3 WAY

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MDP-0545	3	75	2.3/4	75	1.3/16	30
MDP-0546	4	100	3.3/4	95	1-3/16	30

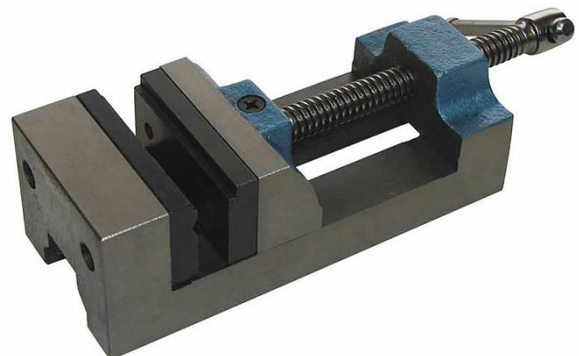
- This Vice is equipped with convenient unigrip mechanism.
- Spindle moves inside the hollow hand grip allowing the vice to be used at location away from the table edge.
- The 3-Way vice is available with 3 mounting options.



### DRILL PRESS VICE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
MDP-0547	1-1/2	38	1-1/2	38	7/8	22
MDP-0548	2-1/2	63	2-1/2	63	1-1/2	38
MDP-0549	3	75	3	75	1-3/4	45
MDP-0550	4	100	4	100	1-3/4	45

- Can be used Vertically, Horizontally & longitudinally.
- Manufactured from High Tensile cast Iron.
- Ideal for grinding purpose where different positioning is required.



### DRILL PRESS VICE HEAVY DUTY

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
<b>MDP-0551</b>	3.3/16	80	3.27/64	87	1	25
<b>MDP-0552</b>	4	100	4	100	1.1/4	32



- Manufactured from close grained cast iron.
- V - Grooves provided in stable jaws to ensure firm gripping of round jaws.

### DRILL PRESS VICE TILTING JAW

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH	
	INCH	MM	INCH	MM	INCH	MM
<b>MDP-0553</b>	3	75	2-1/2	64	1	35
<b>MDP-0554</b>	4	100	3-1/8	80	1-3/16	31



- Horizontal and Vertical Grooves For Holding Round Stocks.
- Jaws can be tilted at any angle suitable for shape of in the jaws. workpiece to be hold
- Large Knurled Handle allows quick adjustments & includes a bi-positional bar handle for plenty of torque.

### HINGED PIPE VICE

- It is a plumbing tool used to hold pipe or tubing securely so that it can be cut or threaded.
- These are also useful for pipe welding.
- It is a important piece of apparatus in the assembly of pipeline components.

ITEM NO.	SUITABLE FOR PIPE DIAMETER	
	INCH	MM
<b>MHP-0555</b>	1	25
<b>MHP-0556</b>	1-1/2	38
<b>MHP-0557</b>	2	50
<b>MHP-0558</b>	2-1/2	63
<b>MHP-0559</b>	3	75
<b>MHP-0560</b>	4	100



### GRINDING CONTROL VICE PRECISION

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		TOTAL LENGTH	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
<b>MGC-0562</b>	2-3/4	70	3.1/4	82	1.1/4	32	7	175



- Vice manufactured from hardened and ground steel.
- Base manufactured from steel grade cast iron.
- Vice Swivel 360°.
- Base Swivel 45° ±.

### TOOLMAKERS STEEL VICE SCREW TYPE

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		TOTAL LENGTH	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
<b>MTS-0563</b>	2-3/8	60	2-3/16	55	15/16	23	4-5/16	110
<b>MTS-0564</b>	3	75	3	75	1-9/16	40	7-7/8	200
<b>MTS-0564A</b>	3-7/8	96	4	102	1-3/4	45	9-3/8	240



### TOOLMAKERS STEEL VICE SCREWLESS

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		TOTAL LENGTH	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
<b>MTS-0565</b>	2	50	3-1/8	80	1-1/16	30	6	150
<b>MTS-0566</b>	3	75	3-3/4	95	1-3/8	35	7	175
<b>MTS-0566A</b>	3-7/8	96	4-1/8	105	1-3/4	45	9-3/8	240



- Hardened & Ground Steel Vice.
- The rapid positioning notched allow the vice to be locked at any desired position by allen key.
- V-Groves in jaws facilitates holding of round jobs.

### SINE VICE PIN TYPE

ITEM NO.	JAW WIDTH	JAW DEPTH	MAX OPENING	OVERALL LENGTH	OVERALL HEIGHT	ROLLER DISTANCE
	MM	MM	MM	MM	MM	MM
<b>MSV-0567</b>	70	60	70	200	95	150

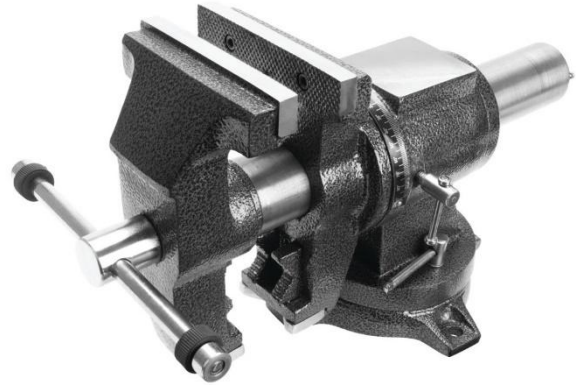
- Manufactured from Hardened & Ground Tool Steel.
- Mounted on Hardened, ground rollers, the vice can be inclined in the desired position with the help of side strap clamp.
- The recess of 1mm depth is made in base plate for minute angle adjustment.



### BENCH VICE MULTIPUPOSE

ITEM NO.	JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM
<b>MBV-0568</b>	4	100	3.5/32	80	4	100
<b>MBV-0569</b>	5	130	3.5/32	80	5	130
<b>MBV-0570</b>	6	150	3.5/32	80	6	150

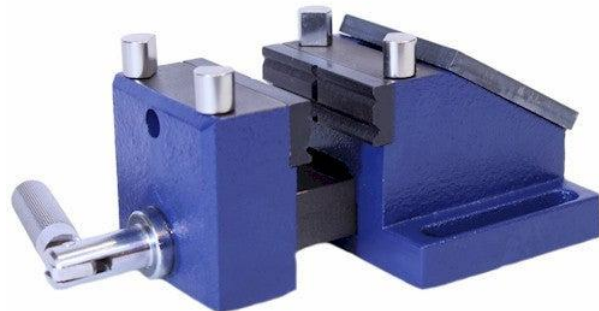
- Rotating Head.
- Hardened Steel Jaws - Replaceable.
- Integrated Pipe Jaws.
- Swivel Base.
- Hardened Steel Anvil.
- Manufactured from steel grade cast iron.



### BENCH & DRILL PRESS VICE MULTI-FUNCTION

ITEM NO.	JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM
<b>MBD-0571</b>	3	75	1.3/4	45	3.3/4	95

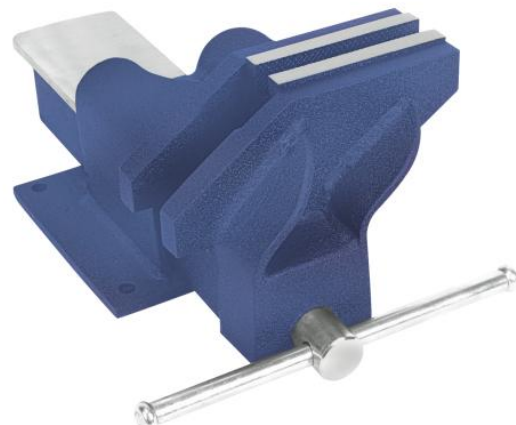
- Manufactured from steel grade cast iron.
- 1/4"-3" Pipe Jaw Capacity.
- 6" Pipe Capacity using 4 Pins.
- 3" (75mm) square Anvil.
- 4 Pins for Gripping Odd Shape Pc.



### OFFSET JAW VICE

ITEM NO.	JAW WIDTH		JAW OPENING	
	INCH	MM	INCH	MM
<b>MOJ-0572</b>	4	100	4-3/4	120
<b>MOJ-0573</b>	6	150	7	175
<b>MOJ-0574</b>	8	200	8	200

- Robust construction manufactured from closed grain high tensile seasoned cast iron.
- The jaws provided in this vice holds heavy and long workpieces without any obstruction from the slide.



### BABY VICE

- Compact & Ideal Vice for DIY Enthusiasts & Model Makers & also used in light duty jobs.
- Manufactured from high-grade casting.
- Vices are enameled finished and chromed handle and screw

ITEM NO. FIXED BASE	ITEM NO. SWIVEL BASE	JAW WIDTH	
		INCH	MM
<b>MBV-0575F</b>	<b>MBV-0575S</b>	1-1/4	32
<b>MBV-0576F</b>	<b>MBV-0576S</b>	1-5/8	35
<b>MBV-0577F</b>	<b>MBV-0577S</b>	2	50
<b>MBV-0578F</b>	<b>MBV-0578S</b>	2-3/8	60
<b>MBV-0579F</b>	<b>MBV-0579S</b>	3	75



### BABY VICE REVOLVING BASE

- Very versatile unit.
- Ideal vise for small jobs.

ITEM NO.	JAW WIDTH	
	INCH	MM
<b>MBV-0580</b>	1-1/4	32
<b>MBV-0581</b>	1-1/2	40
<b>MBV-0582</b>	2	50
<b>MBV-0583</b>	2-1/2	60
<b>MBV-0584</b>	3	75



### BABY VICE INTEGRATED CLAMP

ITEM NO.	JAW WIDTH	
	INCH	MM
<b>MBV-0585</b>	1	25
<b>MBV-0586</b>	1-1/2	38
<b>MBV-0587</b>	2	50
<b>MBV-0588</b>	2-1/2	63
<b>MBV-0589</b>	3	75
<b>MBV-0590</b>	4	100



### WOODWORKING VICE



ITEM NO.	ITEM NO. QUICK RELEASE	JAW WIDTH	
		INCH	MM
MWV-0591	MWV-0591Q	6	150
MWV-0592	MWV-0592Q	7	175
MWV-0593	MWV-0593Q	8	200
MWV-0594	MWV-0594Q	9	225

- Manufactured from Close-Grained Cast iron.
- Quick Release type offers the flexibility smoothly through its trigger mechanism. for quick action to interchange jobs smoothly through its trigger mechanism.

### TITLING TABLE



ITEM NO.	SIZE		HEIGHT	
	INCH	MM	INCH	MM
MTT-0595	4 X 5	100 X 125	3-1/8	78
MTT-0596	5 X 7	125 X175	3-3/8	95
MTT-0597	7 X 10	175X250	5	125
MTT-0598	10 X 15	250X380	6-3/4	170

### UNIVERSAL TILTING TABLE



ITEM NO.	L X H X H		NO. OF T - SLOT
	INCH	MM	
MUT-0599	5X4X7/8	125X100X22	2
MUT-0600	8X6X1-1/8	200X150X28	3
MUT-0601	10X8X1-9/16	250X200X40	3

- Tilting range 0 – 45° each side.
- Horizontal rotation 360°

### TILTING TABLE SWIVEL TYPE



ITEM NO.	SIZE		HEIGHT	
	INCH	MM	INCH	MM
MTT-0602	5X6	125X150	4-1/2	115
MTT-0603	6X8	150X200	5	125
MTT-0604	8X10	200X300	6-1/2	165
MTT-0605	10X12	250X300	8	200
MTT-0606	12X15	300X380	9	225

- Manufactured from High Grade Casting.
- Firm locking by screws on each end and angle ranges till 45°.
- SWIVEL MODEL has 0-90° rang

### BORING HEADS



#### METRIC

ITEM NO.	HEAD DIAMETER MM	MOUNTING THREAD	BOARING TOOL DIAMETER MM	CENTER DIST. B/W HOLES MM	Min bore Mm	Max bore mm
<b>MBH-0607M</b>	30	M14x1.0	6	9	6	45
<b>MBH-0608M</b>	38	M14x1.0	8	11	8	60
<b>MBH-0609M</b>	50	1-1/2" x 18 TPI	12	16	10	100
<b>MBH-0610M</b>	75	1-1/2" x 18 TPI	20	24	10	220
<b>MBH-0611M</b>	100	1-1/2" x 18 TPI	25	25	10	250

#### IMPERIAL

ITEM NO.	HEAD DIAMETER MM	MOUNTING THREAD	BOARING TOOL DIAMETER MM	CENTER DIST. B/W HOLES MM	Min bore Mm	Max bore mm
<b>MBH-0607i</b>	2	7/8X20 UNF	1/2"	3/8"	3/8"	4"
<b>MBH-0608i</b>	2	1-1/2" X 18 TPI	1/2"	3/8"	3/8"	4"
<b>MBH-0609i</b>	3	1-1/2" X18 TPI	3/4"	15/16"	3/8"	9"
<b>MBH-0610i</b>	4	1-1/2" X 18 TPI	1"	1"	3/8"	10"

### INDEXABLE BORING HEADS



ITEM NO.	HEAD DIAMETER	MOUNTING THREAD SIZE	OVERALL LENGTH	SUITABLE CARBIDE INSERT
<b>MIB-0611</b>	30MM	M14X1.0	40MM	
<b>MIB-0612</b>	35MM	M14X1.0	45MM	
<b>MIB-0613</b>	50MM	1-1/2X18 TPI	60MM	

- Supplied With Suitable Carbide Insert, Screw & Torx Key.
- Spare Accessories available on request.
- Eliminates the use of Boring Bars.
- Carbide Insert Provides Chatter Free and Fine Finished cuts with precision.
- Readily Available Shanks. Please check for Suitable Shanks on Page No. 9.

### BORING HEADS RB INTEGRATED SHANK

ITEM NO.	HEAD DIAMETER	OVERALL LENGTH	DRAW BAR THREAD	MAX. OFF SET	CENTER DISTANCE B/W HOLES	CROSS VERTICAL HOLE SALE
<b>MBH-0614</b>	50MM	165MM	7/16X20 UNF	20MM	16MM	12MM
<b>MBH-0615</b>						
<b>MBH-0616</b>	2-1/2"	7-3/16"	7/16X20 UNF	3/4"	5/8"	1/2"

- Rugged construction for smooth & chatterless operation.
- Precision hardened steel.
- Boring capacity 100mm/4".



### BORING HEADS PIVOT TYPE 45MM

ITEM NO.	SHANK	CONTENTS
<b>MBH-0617</b>	MT-2	BORING HEAD + SHANK + FLY CUTTER
<b>MBH-0618</b>	MT-3	BORING HEAD + SHANK + FLY CUTTER
<b>MBH-0619</b>	MT-2+MT-3	BORING HEAD + SHANK + FLY CUTTER



- Boring bar hole size - 10mm.
- Minimum bore - 8mm.
- Maximum bore - 10mm.
- Overall length - 53mm.
- Mounting thread - M16.
- Slide travel-19mm.
- Boring head with tool holder.
- Swing through 90°.
- Graduated 0.001" (0.02mm).
- Positive side lock.

### BORING HEAD SHANKS

ITEM. NO.	Style	Draw Bar	Mounting Thread	Suitable for Boring Head
<b>MBH-0620</b>	12mm	-	M14x1.0	30 & 38mm
<b>MBH-0621</b>	MT-1	M6	M14x1.0	30 & 38mm
<b>MBH-0622</b>	MT-2	M10	M14x1.0	30 & 38mm
<b>MBH-0623</b>	MT-3	M12	M14x1.0	30 & 38mm
<b>MBH-0624</b>	MT-1	M6	1-1/2x18 TPI	50/75/100mm
<b>MBH-0625</b>	MT-2	M10	1-1/2x18 TPI	50/75/100mm
<b>MBH-0626</b>	MT-3	M12	1-1/2x18 TPI	50/75/100mm
<b>MBH-0627</b>	MT-4	M16	1-1/2x18 TPI	50/75/100mm
<b>MBH-0628</b>	ISO 30	M12	1-1/2x18 TPI	50/75/100mm
<b>MBH-0629</b>	ISO 40	M16	1-1/2x18 TPI	50/75/100mm
<b>MBH-0630</b>	ISO 50	M24	1-1/2x18 TPI	50/75/100mm
<b>MBH-0631</b>	BT 30	M12	1-1/2x18 TPI	50/75/100mm
<b>MBH-0632</b>	BT40	M16	1-1/2x18 TPI	50/75/100mm
<b>MBH-0633</b>	BT 50	M24	1-1/2x18 TPI	50/75/100mm



Cat NO.	Style	Draw Bar	Mounting read read	Suitable for Boring Head
<b>MBH-0634</b>	88	7/16" UNF	7/8" UNF	2/3/4"
<b>MBH-0635</b>	MT-2	3/8" BSW	7/8" UNF	2/3/4"
<b>MBH-0636</b>	MT-3	1/2" BSW	7/8" UNF	2/3/4"
<b>MBH-0637</b>	R8	7/16" UNF	1-1/2x18 TPI	2/3/4"
<b>MBH-0638</b>	MT-2	3/8" BSW	1-1/2x18 TPI	2/3/4"
<b>MBH-0639</b>	MT-3	1/2" BSW	1-1/2x18 TPI	2/3/4"
<b>MBH-0640</b>	MT-4	5/8" BSW	1-1/2x18 TPI	2/3/4"

### BORING HEADS KITS 30MM

ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0641</b>	12MM ST SHANK	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1

ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0642</b>	MT-2	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1

ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0643</b>	MT-2 + 12MM	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1



### BORING HEADS KITS 38MM



ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0644</b>	12MM ST SHANK	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1



ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0645</b>	MT-2	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1



ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0646</b>	12MM ST SHANK + MT-2 + MT-3	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1

### BORING HEADS KITS 50MM/2"

ITEM NO. (MATIC)	ITEM NO. (INCHES)	STYLE	SET CONTENTS	QTY
MBH-0647M	MBH-0647I	MT-1	BORING HEAD	1
MBH-0648M	MBH-0648I	MT-2	BRAZED BORING BARS	5
MBH-0649M	MBH-0649I	MT-3	SHANK	1
MBH-0650M	MBH-0650I	MT-4	FLY CUTTER 45°	1



ITEM NO. (MATIC)	ITEM NO. (INCHES)	STYLE	SET CONTENTS	QTY
MBH-0651M	MBH-0651I	MT-2 + MT-3	BORING HEAD	1
			BRAZED BORING BARS	5
			SHANK	1
			FLY CUTTER 45°	1



ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0652	R8	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1
		FLY CUTTER 45°	1



ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0653	ISO-30	BORING HEAD	1
MBH-0654	ISO-40	BRAZED BORING BARS	5
MBH-0655	ISO-50	SHANK	1
MBH-0656		FLY CUTTER 45°	1



ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0657	BT-30	BORING HEAD	1
MBH-0658	BT-40	BRAZED BORING BARS	5
MBH-0659	BT-50	SHANK	1
MBH-0660		FLY CUTTER 45°	1



### BORING HEADS KITS 62MM



ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0661	R8	BORING HEAD	1
MBH-0662	MT-2	BRAZED BORING BARS	1
MBH-0663	MT-3	SHANK	1
MBH-0664	MT-4	FLY CUTTER 45°	2
MBH-0665	ISO-30		
MBH-0666	ISO-40		
MBH-0667	ISO-50		
MBH-0668	BT-30		
MBH-0669	BT-40		
MBH-0670	BT-50		

### BORING HEADS KITS 75MM/3"

ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0671	R8	BORING HEAD	1
		BRAZED BORING BARS	5
		SHANK	1



ITEM NO. (MATIC)	ITEM NO. (INCHES)	STYLE	SET CONTENTS	QTY
MBH-0672M	MBH-0672I	MT-2	BORING HEAD	1
MBH-0673M	MBH-0673I	MT-3	BRAZED BORING BARS	5
MBH-0674M	MBH-0674I	MT-4	SHANK	1



ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0675	ISO-30	BORING HEAD	1
MBH-0676	ISO-40	BRAZED BORING BARS	5
MBH-0677	ISO-50	SHANK	1



ITEM NO.	STYLE	SET CONTENTS	QTY
MBH-0681	BT-30	BORING HEAD	1
MBH-0682	BT-40	BRAZED BORING BARS	5
MBH-0683	BT-50	SHANK	1



## TAIL STOCK DIE HOLDER SET



METRIC		
ITEM NO.	MORSE TAPER	DIE HOLDER INCLUDED
MTS-0700M	MT-1	20 & 25MM
MTS-0701M	MT-2	20,25,30 & 38MM
MTS-0702M	MT-3	20,25,30 & 38MM

IMPERIAL		
ITEM NO.	MORSE TAPER	DIE HOLDER INCLUDED
MTS-0700I	MT-1	13/16", 1"
MTS-0701I	MT-2	13/16", 1", 1-5/15" & 1-1/2"
MTS-0702I	MT-3	13/16", 1", 1-5/15" & 1-1/2"

- This Tailstock Die Holder Set Include tapered Shank & 4 sizes of Die Holders completely interchangeable.
- Metric Size Die Holders Available on request.

## TAIL STOCK DIE HOLDER SET



METRIC		
ITEM NO.	MORSE TAPER	DIE HOLDER INCLUDED
MTS-0703M	MT-2	20,25,30 & 38MM
MTS-0704M	MT-3	20,25,30 & 38MM

IMPERIAL		
ITEM NO.	MORSE TAPER	DIE HOLDER INCLUDED
MTS-0703I	MT-2	13/16", 1", 1-5/15" & 1-1/2"
MTS-0704I	MT-3	13/16", 1", 1-5/15" & 1-1/2"

- This Tail stock Die Holder Set Include tapered Shank & 4 sizes of Die Holders, completely interchangeable to fit tapered shank with the help a pin which allows about 1-1/2" travel.
- Also included is a pin punch to knock the pin out.
- Metric Size Die Holders Available on request.

## TAIL STOCK DIE HOLDER SET

ITEM NO.	SIZE
MTS-0705M	METRIC
MTS-0705I	IMPERIAL

- Double Ended Die Holder For 13/16"(20mm) & 1"(25mm) Circular Dies.
- MT-2 Shank.
- Guide Pin For Torque For Larger Threaded Sizes.
- Aluminium Die Holder Body.
- Hardened & Grounded Shank.



### TAIL STOCK DIE HOLDER SET

ITEM NO.	SIZE
<b>MTS-0706M</b>	METRIC
<b>MTS-0706I</b>	IMPERIAL

- 2 Cartridges For 16mm & 20mm Circular Dies.
- 3 Collets For 25mm, 30mm & 38mm Circular Dies.
- MT-2 Shank + MT 3-2 Drill Sleeve.
- 1 x Suitable Ejecting Drill Drift.
- 1 x Suitable Pin Punch.

### TAIL STOCK DIE HOLDER SET

ITEM NO.	SHANK SIZE	DIAMETER CAPACITY
<b>MTS-0707</b>	10MM	25MM

- This Die Holder Include a straight shank for hand operations as well as for machines.
- Knurling is provided on the outer body of the holder to ease the operation by hands.



### LIVE TAILSTOCK

ITEM NO. WITHOUT CHUCK	ITEM NO. WITH CHUCK	MORSE TAPER	MOUNTING THREAD	BODY DIAMETER	
				INCH	MM
<b>MLT-0708W</b>	<b>MLT-0708WO</b>	MT-1	M14	1-5/16	34
<b>MLT-0709W</b>	<b>MLT-0709WO</b>	MT-2	M14	2	50
<b>MLT-0710W</b>	<b>MLT-0710WO</b>	MT-3	M14	2-5/16	60
<b>MLT-0711W</b>	<b>MLT-0711WO</b>	MT-4	M14	2-1/2	63

- Manufactured from high grade steel hardened point to impart extra strength.
- These have single row bearings & Taper rolling to take up radial load and thrust bearings to absorb axial loads.
- 3 Jaw self centring 50mm Lathe Chuck.

### MINI LIVE CENTERS SLIM BODY

ITEM NO.	MORSE TAPER	BODY DIAMETER	O.A.L.
<b>MML-0712</b>	MT-0	23MM	90MM
<b>MML-0713</b>	MT-1	23MM	90MM

- Body is constructed from case hardened steel.
- Eccentricity between .005 - .010  $\mu$
- #7887 is suitable For Emco Compact 5 Lathe & Similar Sized mini Lathes.



### LATHE CENTERS AS PER DIN 806



- Solid Construction with no moving parts and fully hardened.
- Tip hardened to 60-63 HRC and included angle at tip is 60 Degree.
- Hardened High Speed centers ensure long life.
- Carbide tipped centers give longer tool life & require less grinding
- Covers widest range of center hole sizes.
- Eliminates special centers.
- Point Angle - 60.

FULL				
ITEM NO. CARBON STEEL	ITEM NO. CARBIDE TIPPED	MORSE TAPER	OVERALL LENGTH	
			INCH	MM
MML-0712S	MML-0712T	MT-0	2-7/8"	73
MML-0713S	MML-0713T	MT-1	3-5/16"	84
MML-0714S	MML-0714T	MT-2	4-3/16"	104
MML-0715S	MML-0715T	MT-3	5-1/4"	133
MML-0716S	MML-0716T	MT-4	6-1/2"	165
MML-0717S	MML-0717T	MT-5	8"	203
MML-0718S	MML-0718T	MT-6	10-5/8"	270

FULL				
ITEM NO. CARBON STEEL	ITEM NO. CARBIDE TIPPED	MORSE TAPER	OVERALL LENGTH	
			INCH	MM
MML-0719S	MML-0719T	MT-1	3-5/16"	84
MML-0720S	MML-0720T	MT-2	4-3/16"	104
MML-0721S	MML-0721T	MT-3	5-1/4"	133
MML-0722S	MML-0722T	MT-4	6-1/2"	165
MML-0723S	MML-0723T	MT-5	8"	203

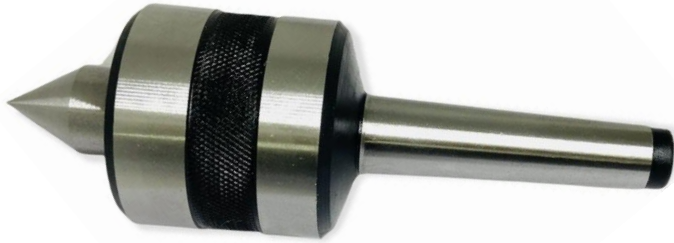
### BEVEL REVOLVING PIPE CENTERS



ITEM NO.	MORSE TAPER	CAPACITY	
	SHANK	MINIMUM	MAXIMUM
MBR-0724	MT-2	19	80
MBR-0725	MT-2	26	50
MBR-0726	MT-2	38	75
MBR-0727	MT-3	20	95
MBR-0728	MT-3	26	50
MBR-0729	MT-3	38	75
MBR-0730	MT-3	34	100
MBR-0731	MT-4	29	125
MBR-0732	MT-4	26	50
MBR-0733	MT-4	38	75
MBR-0734	MT-4	51	88
MBR-0735	MT-4	64	100
MBR-0736	MT-4	76	150
MBR-0737	MT-5	32	150
MBR-0738	MT-5	51	88
MBR-0739	MT-5	64	100
MBR-0740	MT-5	76	150
MBR-0741	MT-6	64	100
MBR-0742	MT-6	76	150
MBR-0743	MT-6	102	200

- Machining Pipes And Similar Hollow Shaft Materials With a High Thrust Capacity.
- Bevel Section Is Ground After assembly Running In Its Own Bearing.
- Designed to hold hollow & pipe Works.
- Manufactured from heat treated high carbon Alloy steel.

### REVOLVING CENTER



ITEM NO.	MORSE TAPER	BODY DIAMETER		POINT DIAMETER		OVERALL LENGTH	
		INCH	MM	INCH	MM	INCH	MM
<b>MRC-0744</b>	MT-1	1-5/16	34	11/16	18	4-3/4	120
<b>MRC-0745</b>	MT-2	1-37/64	40	27/32	21	5-7/8	148
<b>MRC-0746</b>	MT-3	2-5/16	60	15/16	24	7-1/4	185
<b>MRC-0747</b>	MT-4	2-1/2	63	1-1/8	28	8-5/8	220
<b>MRC-0748</b>	MT-5	3	75	1-1/2	36	10-1/4	260
<b>MRC-0749</b>	MT-6	4	100	2-1/8	53	14	355

- Manufactured from high grade steel hardened point to impart extra strength.
- These have single row bearings & Taper rolling to take up radial load and thrust bearings to absorb axial loads.
- Recommended for applications upto a maximum of 2000rpm.

### REVOLVING CENTER MULTI POINTS 7 TIPS



ITEM NO.	MORSE TAPER
<b>MRC-0750</b>	MT-1
<b>MRC-0751</b>	MT-2
<b>MRC-0752</b>	MT-3
<b>MRC-0753</b>	MT-4

- Set Contents 5 Diff, live centers, 1 Pipe Center, 1 Female Center & 1 Ejecting Key.
- Assembled with three bearings.
- Eccentricity between 005.010 μ
- Body is constructed from hardened and ground steel.
- Widely used by Modelmakers & Woodworkers on mini lathes.

### COLLET SPANNER

ITEM NO.  
**MCS-0965**



### TEST BARS / TEST MANDRELS

- Manufactured to high precision from alloy steel and heat treated
- a hardness of 62HRC + 2 HRC.
- Each piece is inspected for concentricity within 0.0001" and parallelism.
- Useful for alignment test between centers as well as in MorseTaper spindles.
- A Must tool in workshop for testing Lathe Machines.
- Fits between headstock and tailstock.
- The Inspection Mandrels are used for checking the alignment of machine Spindle axis.
- A Mandrel with a tapered shank serves to represent materially an axis of rotation, so that the axis can be checked for alignment.
- A Mandrel mounted between centers provides a reference straight line joining the two points ( centers ), so as to check the alignment of the centers.



TAPER TEST MANDRELS ITEM NO	SHANK	HOLDING DIA.	
		INCH	MM
MTB-1000T	MT-1	6	150
MTB-1001T	MT-2	11-1/8	283
MTB-1002T	MT-3	13-3/16	335
MTB-1003T	MT-4	15-1/4	386
MTB-1004T	MT-5	17-1/2	442
MTB-1005T	MT-6	19-7/8	300
MTB-1006T	ISO-40	12	300
MTB-1007T	ISO-50	12	300

PARALLEL TEST MANDRELS ITEM NO	SHANK MM	SIZE MM
MTB-1008T	40	300
MTB-1009T	40	500
MTB-1010T	40	600
MTB-1011T	50	300
MTB-1012T	50	500
MTB-1013T	50	600
MTB-1014T	60	300
MTB-1015T	60	500
MTB-1016T	60	600
MTB-1017T	80	750
MTB-1018T	80	900
MTB-1019T	80	1000
MTB-1020T	100	1200
OTHER SIZES AND LARGE SIZES ON REQUEST		

### PARALLEL TEST BAR

- Overall Length Options: 272 mm & 400 mm
- Packing Options: With Wooden Box / Without Wooden Box
- Precision Ground for Accurate Alignment Testing
- Manufactured from High Quality EN31 Alloy Steel



CAT NO.	SIZE	PACKING
MTB-1025T	272 mm	With Wooden Box
MTB-1026T	272 mm	Without Wooden Box
MTB-1027T	400 mm	With Wooden Box
MTB-1028T	400 mm	Without Wooden Box

### TEST BAR MT2 & MT3 Double Ended EN8D, 450mm

CAT NO.	MODEL
MTB-1029T	MT-2
MTB-1030T	MT-3



- Double Ended Design with MT2 and MT3 Tapers.
- Made from High Quality EN8D Steel.
- Ideal for Checking Headstock and Tailstock Alignment.
- Hardened and Ground for Long Service Life.

### LATHE DOGS



ITEM NO. STRAIGHT TYPE	ITEM NO. BENT TYPE	CAPACITY	
		INCH	MM
MLG-0938S	MLG-0938B	1/2	12
MLG-0939S	MLG-0939B	3/4	20
MLG-0940S	MLG-0940B	1	25
MLG-0941S	MLG-0941B	1-1/4	30
MLG-0942S	MLG-0942B	1-1/2	38
MLG-0943S	MLG-0943B	1-3/4	45
MLG-0944S	MLG-0944B	2	50
MLG-0945S	MLG-0945B	2-1/2	65
MLG-0946S	MLG-0946B	3	75
MLG-0947S	MLG-0947B	4	100
MLG-0948S	MLG-0948B	5	125
MLG-0949S	MLG-0949B	6	150

### LATHE CHUCK KEYS

ITEM NO. BENT TYPE	CAPACITY	
	INCH	MM
MLC-0950	15/65	6
MLC-0951	9/32	7
MLC-0952	15/32	12
MLC-0953	¼	6.35
MLC-0954	5/16	8
MLC-0955	3/8	9.5
MLC-0956	7/16	11.2
MLC-0957	½	12.7
MLC-0958	9/16	14.3
MLC-0959	5/8	16
MLC-0960	11/16	17.5
MLC-0961	3/4	19
MLC-0962	1	25.4

- Manufactured from High tensile, malleable cast iron with very attractive hammer tone paint.
- Very useful to hold work pieces securely for smooth turning.
- A 'V' Groove in the body help in clamping round jobs firmly.



- BLACK EPOXY FINISH.
- PROPERLYHARDENED & TEMPERED.



### ER SPRING COLLECT SET

ITEM NO.	MODEL	NO. OF PC	CLAMPING RANGE(MM)
MES-0963	ER25	15PC	2-16
MES-0964	ER32	19PC	2-20



### COLLET HOLDERS

ITEM NO.	SHANK	COLLECT TYPE	DRAWBAR	O.A.L.
<b>MCH-0966</b>	MT-0	ER16	M5	92MM
<b>MCH-0967</b>	MT-2	ER25	M10	120MM
<b>MCH-0968</b>	MT-3	ER25	M12	135MM
<b>MCH-0969</b>	MT-4	ER25	M16	150MM
<b>MCH-0970</b>	20MM ST.	ER25	-	151MM
<b>MCH-0971</b>	20MM ST.	ER25	-	101MM
<b>MCH-0972</b>	R8	ER32	7/16* UNF	172MM

### REVOLVING TAILSTOCK ARBOR

ITEM NO.	SIZE	DRAWBAR
<b>MRT-0973</b>	MT2XB16	M10
<b>MRT-0974</b>	MT3XB16	M12
<b>MRT-0975</b>	MT2XJT2	M10
<b>MRT-0976</b>	MT2XJT2	M10
<b>MRT-0977</b>	MT3XJT2	M12
<b>MRT-0978</b>	MT3XJT3	M12



- It is used to assist small diameter of work at the tailstock where revolving center is not practical.



### REVERSIBLE TAPPING ATTACHMENT

ITEM NO.	SIZE	CAPACITY
<b>MRT-0979</b>	MT-2	M3 – M12
<b>MRT-0980</b>	MT-2	M10 – M20
<b>MRT-0981</b>	MT-3	M3 – M12
<b>MRT-0982</b>	MT-3	M10 – M20

- A versatile attachment suitable use on drilling machines for drilling through and blind holes with standard taps,
- The automatic reverse mechanism has a double back out speed and an adjustable friction clutch to avoid tap breakage.

### MINI LATHE CHUCK WITH SHANKS

ITEM NO.	CHUCK DIA	NO. OF JAWS	THREAD SIZE	SHANK	DRAWBAR MM
<b>MML-0983</b>	50	3	M14X1	MT-1	M6
<b>MML-0984</b>	50	3	M14X1	MT-2	M10
<b>MML-0985</b>	50	3	M14X1	MT-3	M12
<b>MML-0986</b>	50	4	M14X1	MT-1	M6
<b>MML-0987</b>	50	4	M14X1	MT-2	M10
<b>MML-0988</b>	50	4	M14X1	MT-3	M12
<b>MML-0989</b>	65	3	M14X1	MT-1	M6
<b>MML-0990</b>	65	3	M14X1	MT-2	M10
<b>MML-0991</b>	65	3	M14X1	MT-3	M12
<b>MML-0992</b>	65	4	M14X1	MT-1	M6
<b>MML-0993</b>	65	4	M14X1	MT-2	M10
<b>MML-0994</b>	65	4	M14X1	MT-3	M12



### MINI LATHE CHUCKS

ITEM NO.	DIA.	BACK THREAD	TYPE	NO. OF JAWS
MML-0995	50MM	M12X1.0	SELF CENTERING	3
MML-0996	50MM	M14X1.0	SELF CENTERING	3
MML-0997	65MM	M12X1.0	SELF CENTERING	3
MML-0998	65MM	M14X1.0	SELF CENTERING	3
MML-0999	70MM	M12X1.0	INDEPENDENT	4
MML-1000	70MM	M14X1.0	INDEPENDENT	4
MML-1001	50MM	M12X1.0	SELF CENTERING	4
MML-1002	50MM	M14X1.0	SELF CENTERING	4
MML-1003	50MM	M12X1.0	INDEPENDENT	4
MML-1004	50MM	M14X1.0	INDEPENDENT	4

#### SELF CENTERING



#### INDEPENDENT



### SELF CENTERING LATHE CHUCKS

ITEM NO.	DIAMETER CHUCK	
	INCH	MM
MSC-1010	3-1/2	80
MSC-1011	4	100
MSC-1012	5	125
MSC-1013	6	150
MSC-1014	8	200
MSC-1015	10	250



### INDEPENDENT LATHE CHUCKS 4 JAWS

ITEM NO.	DIAMETER CHUCK	
	INCH	MM
MIL-1016	3-1/2	80
MIL-1017	4	100
MIL-1018	5	125
MIL-1019	6	150
MIL-1020	8	200
MIL-1021	10	250



- Body Manufactured from high-grade castings.
- Jaws Manufactured from Special grade of case hardening steel accurately Machined.
- Each chuck is provided with key of suitable strength.

### TRINGULAR SCRAPPERS



- Blades are manufactured from high carbon steel.
- Hardened and ground points.
- Used to remove spots & burrs on machined surfaces.
- Handles are manufactured from fine quality polished hardwood.

ITEM NO.	DESCRIPTION	TOTAL LENGTH
MTS-1022	HOLLOW GROUND CUTTING EDGES	7-1/4" 185MM
MTS-1023	SOLID CUTTING EDGES	7-3/4" 200MM

### ENGINEER'S BEARING SCRAPPERS

- Blades are manufactured from high carbon steel.
- Hardened & ground points.
- Used to remove spots & burrs on machined surfaces.
- Handles are manufactured from fine quality wood & polished.



**TRIANGLE    FLAT,    HALF ROUND**

ITEM NO.	SIZE		SHAPE
	INCH	MM	
MEB-1024	4	100	FLAT
MEB-1025	4	100	TRIANGLE
MEB-1026	4	100	HALF ROUND
MEB-1027	6	150	FLAT
MEB-1028	6	150	TRIANGLE
MEB-1029	6	150	HALF ROUND
MEB-1030	8	200	FLAT
MEB-1031	8	200	TRIANGLE
MEB-1032	8	200	HALF ROUND
MEB-1033	10	250	FLAT
MEB-1034	10	250	TRIANGLE
MEB-1035	10	250	HALF ROUND
MEB-1036	12	300	FLAT
MEB-1037	12	300	TRIANGLE
MEB-1038	12	300	HALF ROUND
MEB-1039	3 PC SET OF 4" LONG FLAT, TRIANGLE & HALF ROUND		
MEB-1040	3 PC SET OF 6" LONG FLAT, TRIANGLE & HALF ROUND		
MEB-1041	3 PC SET OF 8" LONG FLAT, TRIANGLE & HALF ROUND		
MEB-1042	3 PC SET OF 10" LONG FLAT, TRIANGLE & HALF ROUND		
MEB-1043	3 PC SET OF 12" LONG FLAT, TRIANGLE & HALF ROUND		

### VALVE SEAT & FACE CUTTER SETS

ITEM NO.	NO. OF PC IN EACH SET	SIZES OF VALVE SEAT & FACE CUTTER INCLUDED INCHES	SIZES OF BORE CUTTER INCLUDED
MVS-1044	3 PC SET	1.5/16 & 1.7/16 (45°) (Supplied with 2 Nos. Guides, 1Nos each Handle, rod & Small Pin)	1.3/8(20°)
MVS-1045	4 PC SET	1.5/16, 1.7/16 & 1.3/8 (45°) (Supplied with 2 Nos. Guides, 1Nos each Handle, rod & Small Pin)	1.3/8(20°)
MVS-1046	10PC SET	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°) & 1.11/16 (30°)(Supplied with 8 Nos. Guides, 2 Nos each Handle, 2 rods & Small Pin)	1.1/4 & 1.9/16 (20°)
MVS-1047	12 PC SET	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°), 1.11/16 (30°) & 2.1/16 (45°) (Supplied with 8 Nos. Guide; 2 Nos each Handle, 2 rods & Small Pin)	1.1/4 & 1.9/16 (20°) & 1.3/4(20°)
MVS-1048	15 PC SET	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°) & 1.11/16 (30°), 2.1/16 (45°), 1.7/16, 1.5/8" & 2.1/8 (45°) (Supplied with 8 Nos. Guides, 2 Nos each Handle, 2 rods & Small Pin)	1.1/4 & 1.9/16 (20°) & 1.3/4(20°)
MVS-1049	20 PC SET	1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.1/2, 1.11/16, 1.1/4 & 1.9/16 (20°), 1.3/4 (45°) & 1.11/16 (30°), 2.1/16 (45°), 1.7/16, 1.5/8", 2.1/8 (45°), 1.1/8, 1.7/8 & 2.1/4 (45°)	1.1/4, 1.9/16(20°), 1.3/4(20°) & 2" (20°)



- Manufactured from High Grade Carbon Steel, properly hardened & tempered.
- The Cutting Edges of all the cutters are accurately ground for best results.
- Sets Supplied in Fine Finished wooden box.

### VALVE SEAT & FACE CUTTER SETS PROFESSIONAL 45°



ITEM NO.	NO. OF PC IN EACH SET	SIZES OF VALVE SEAT & FACE CUTTERS INCLUDED INCHES
<b>MVS-1050</b>	5PC SET	<b>CUTTERS</b> - 42.5mm, 40mm, 37.5mm, 35mm & 32.5mm 5Pc Set <b>THREADED SPINDLE</b> - 6.5mm, 7mm, 7.5mm, 8mm & 8.5mm 1 x TOMMY BAR (M8)
<b>MVS-1051</b>	13 PC SET	<b>CUTTERS</b> - 30mm, 32.5mm, 37.5mm, 40mm, 42.5mm, 45mm, 47.5mm, 50mm, 52.5mm, 55mm, 57.5mm & 60mm 13Pc Set <b>THREADED SPINDLE</b> - 6mm, 6.5mm, 7mm, 7.5mm, 8mm, 8.5mm, 9mm, 9.5mm, 10mm, 10.5mm, 11mm, 11.5mm & 12mm 1 x TOMMY BAR (M8)

### COLD CHISELS

ITEM NO.	CUTTING EDGE SIZE		TOTAL LENGTH	
	INCH	MM	INCH	MM
<b>MCC-1052</b>	5/16	8.0	4	100
<b>MCC-1053</b>	3/8	9.5	5	125
<b>MCC-1054</b>	1/2	12.7	6	150
<b>MCC-1055</b>	5/8	16.0	6	150
<b>MCC-1056</b>	3/4	19.00	7	175
<b>MCC-1057</b>	1	25.00	8	200
<b>MCC-1058</b>	3/4	19.00	12	300
<b>MCC-1059</b>	1-1/8	28.00	12	300



- MANUFACTURED FROM TOOLS STEEL.
- EDGES ARE HARDENED & GROUND.

### PUNCH & CHISEL SET

ITEM NO.	DESCRIPTION MM	OAL		NO. OF PC.
		INCH	MM	
<b>MPC-1060</b>	1 Pc Chisel 10X150X10 1 Pc Chisel 12X150X12 1 Pc Chisel 16X150X16 1 Pc Center Punch 12X150X6 1. Pc Nail Punch 10X150X5 1 Pc Drive Pin Punch 12X150X5	6	150	6
<b>MPC-1061</b>	2 Pc Chisel 12X150X12 2 Pc Chisel 16X200X16 2 Pc Chisel 18X250X18 1 Pc Nail Punch 10X150X5 1 Pc Nail Punch 12X250X6 1 Pc Nail Punch 16X250X8 1 Pc Center Punch 12X150X5 1 Pc Center Punch 16X200X8 1 Pc Drive Pin Punch 16X200X8	6,8,10	150, 200, 250	12

- Made from high carbon steel.
- Supplied in vinyl pouch.
- Hardened & tempered.
- Powder coating finish.



### TOOLMAKER'S PARALLEL CLAMP

ITEM NO.	JAW LENGTHS		JAW OPENING	
	INCH	MM	INCH	MM
MTP-1062	2	50	1-1/4	31
MTP-1063	2-1/2	60	1-3/4	44
MTP-1064	3	75	2-1/4	57
MTP-1065	4	100	2-3/4	70
MTP-1066	5	125	3-1/2	89
MTP-1067	6	150	4-1/2	114
MTP-1068	8	200	6	150



- Manufactured from case hardened steel.
- All sizes are equipped with spring clip.
- Extremely useful in holding work together in tapping or drilling.

### JUNIOR BABY C- CLAMPS DROP FORGED



ITEM NO.	JAW LENGTH INCH	DEPTH INCH
MJB-1070	1	1
MJB-1071	1	1.1/2
MJB-1072	1.1/4	1.1/4
MJB-1073	1.1/2	1.1/2
MJB-1074	2	1.1/4
MJB-1075	2.1/2	2.1/2
MJB-1076	3	1.3/8
MJB-1077	7 PC SET OF ABOVE	

- Manufactured from drop forged steel.
- Zinc Plated Spindles.
- Powder coated finish.

### G - CLAMPS

MALLEABLE CASTING	STEEL CASTING		DROP CASTING	
ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	
MALLEABLE CASTING	STEEL CASTING	DROP FORGED	INCH	MM
MGC-1078M	MGC-1078S	MGC-1078D	2"	50MM
MGC-1079M	MGC-1079S	MGC-1079D	3"	75MM
MGC-1080M	MGC-1080S	MGC-1080D	4"	100MM
MGC-1081M	MGC-1081S	MGC-1081D	6"	150MM
MGC-1082M	MGC-1082S	MGC-1082D	8"	200MM
MGC-1083M	MGC-1083S	MGC-1083D	10"	250MM
MGC-1084M	MGC-1084S	MGC-1084D	12"	300MM



- Suitable for Fabrication & welding applications etc.
- Precision machined drive screw.
- wivel shoe for positive location on the material being clamped



### PLATE BENCH SHEAR

ITEM NO LEAVER TYPE	ITEM NO SPARE BLADE	BLADE LENGTH	
		INCH	MM
MPH-1091L	MPH-1091S	6	150
MPH-1092L	MPH-1092S	8	200
MPH-1093L	MPH-1093S	10	250
MPH-1094L	MPH-1094S	12	300

- Ideally used for shearing Plates or round blocks.
- Long handle to increase torque force.
- Blades Hardened & Tempered.



### PLATE BENCH SHEAR SPRING TYPE

ITEM NO	BLADE LENGTH	
	INCH	MM
MPB-1097	4"	100MM
MPB-1098	5"	125MM
MPB-1099	6"	150MM
MPB-1100	8"	200MM
MPB-1101	10"	250MM
MPB-1102	12"	300MM

- Light Weight Powerful Shears for cutting sheets, metal rods & bars.
- Blade are manufactured from hardened tool steel and are held in a open position by a strong spring to help prevent accidents.

### PORTABLE HAND SHEAR

ITEM NO	CUTTING CAPACITY
MPH-1090	UPTO 1/16" /1.6MM

- If you mount this onto a bench or into a vice, the long handle enables controlled movement of the wheel to cut straight, curved and internal corners.
- Ideal for forming car body parts.



### REPAIRMAN'S TAPER REAMER

ITEM NO	RANGE	
	INCH	MM
MRT-1095	1/8 TO 1/2	3.0 TO 12.5
MRT-1096	1/8 TO 5/8	3.0 TO 16.0

- Manufactured from tool steel.
- Edges are hardened & ground.





### MINI BENDING BRAKE ALUMINUM

ITEM NO.  
**MMB-1103**

- Bends up to 0.20" (0.5mm) Brass, Copper, other soft metals.
- Bends up to 90° with help of tightening 2 Press Screws.
- 3" (75mm) wide.
- Adjustable depth guide allows duplication of bend placement

### MINI ROLLING AND BENDING MACHINE

ITEM NO.  
**MMR-1104**

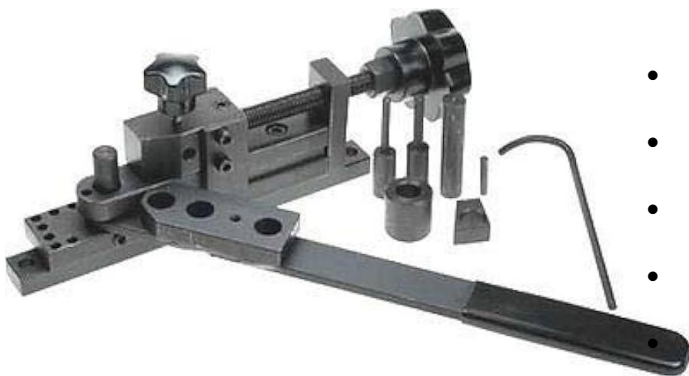
- Bends Brass strips, Copper strips, Wood strips other soft metals.
- Bends up to 2-1/4" (55mm) wide and 1/8" (3mm) thick.
- Also bends tubing and soft wires of 1/16" (1.5mm), 3/32" (2.3mm), 1/8" (3mm).
- Rollers length 3" (75mm).
- Roller diameter 1/2" (12mm).
- Steel Gears.



### MINI UNIVERSAL BENDING BENDER FORMS WIRE, FLAT METAL AND TUBING

ITEM NO.  
**MMU-1105**

- Forms wire, flat metal and tubing into clamps, handles, brackets, hooks, coils and more.
- Makes sharp angle bends up to 5/16" diameter rod and 1 x 1/8" flat metal.
- Made of hardened tool steel Mounts on a work bench or held in a vise.
- Will not bend copper tubing Dimensions: 9" x 3.5" x 2.5" (not including lever).
- Circle Pins (3/16, 1/4 & 1/2" diameter) 1 of each:  
Circle die (1" Diameter), stop pin, sharp angle.



### DRILL STANDS

ITEM NO	DRILL SIZE
<b>MDS-1106</b>	1/16" – 1/2"
<b>MDS-1107</b>	1-13MM
<b>MDS-1108</b>	1-60
<b>MDS-1109</b>	A-Z

Manufactured from Aluminium





### BRAZED CARBIDE LATHE TURNING TOOL SET 11 PC

ITEM NO	SHANK
MBC-1110	1/4"
MBC-1111	5/16"
MBC-1112	3/8"
MBC-1113	1/2"
MBC-1114	6MM
MBC-1115	8MM
MBC-1116	10MM
MBC-1117	12MM

### BRAZED TOOL HOBBY SET OF 6 PCS

ITEM NO	SHANK	
MBT-1118	1/4	6MM
MBT-1119	15/16	8MM
MBT-1118A	3/8	10MM
MBT-1119A	1/2	12MM

1 x Left Boring Tool  
 1 x Left Hand Facing Tool  
 1 x 55 degree Internal Threading Tool  
 1 x 60 degree Internal Threading Tool  
 1 x 55 degree External Threading Tool  
 1 x 60 degree External Threading Tool  
 Set packed in a Wooden Box



### BRAZED THREADING & PARTING TOOL SET 6 PC

Each set supplied complete with the following tools

- Straight facing tool
- Right hand facing tool
- Left hand turning
- Parting tool
- Roughing tool
- Right hand turning tool

ITEM NO	SHANK
MBT-1120	8MM
MBT-1121	10MM

### HSS LATHE TURNING TOOL SET (SET OF 8 FORMS)

ITEM NO	SHANK SIZE	SHANK LENGTH	NO.OF PC
MHL-1122	1/8"	2-3/8"	8
MHL-1123	1/4"	2-1/2"	8
MHL-1124	5/16"	3-1/8"	8
MHL-1125	3/8"	4"	8
MHL-1126	1/2"	4"	8
MHL-1127	5MM	63MM	8
MHL-1128	6MM	63MM	8
MHL-1129	8MM	80MM	8
MHL-1130	10MM	100MM	8
MHL-1131	12MM	100MM	8
MHL-1132	3.5MM	63MM	5
3.5MM INCULEDS FORM # 1,2,3,5 & 6			



- Left hand turning tool
- Right hand turning tool
- Straight finishing (60/55 Degree)
- Corner tool
- Parting tool
- Boring tool
- Threading (60/55 Degree)
- Internal threading (60/ 55 Degree)

### HSS LATHE TURNING TOOL SET (SET OF 6 FORMS)



ITEM NO	SHANK SIZE	SHANK LENGTH	NO.OF PC
MHL-1133	1/4"	3-1/2"	6
MHL-1134	3/8"	5"	6
MHL-1135	6MM	90MM	6
MHL-1136	10MM	125MM	6

### HSS LATHE TURNING TOOL SET (SET OF 2 FORMS)

ITEM NO	SHANK SIZE	SHANK LENGTH
MHL-1140	6MM	63MM
MHL-1141	8MM	80MM
MHL-1142	10MM	100MM
MHL-1143	12MM	100MM



\*55 and 60 degree internal and external threading tool set.

### HSS INVOLUTE GEAR CUTTER SET AS PER B.S. 2518-1954



DIAMETRICAL CUTTER PRESSURE ANGLE 14-1/2°		
DIAMENSION(INCHES)		
ITEM NO	BORE 1" OR 27MM D.P.	DIA
MHI-1144	50 TI 26 (EVEN ONLY)	2-1/4
MHI-1145	25	2-1/4
MHI-1146	23	2-1/4
MHI-1147	22	2-1/4
MHI-1148	21	2-1/4
MHI-1149	20	2-3/8
MHI-1150	19	2-3/8
MHI-1151	18	2-3/8



MODULE CUTTER PRESSURE ANGLE 20°		
ITEM NO	MODULE	DIA
MHI1152	1.0	57
MHI1153	1.25	61
MHI1154	1.5	64
MHI1155	1.75	64
MHI1156	2.0 OR 2.25	67
MHI1157	2.5	70

### HSS GEAR CUTTER HOBBY SET 6 PC

ITEM NO	FORM(S)	CUT GEARS FROM	O.D	BORE
<b>MHG-1160</b>	FORM #2	14-16 TEETHS	40MM	16MM
<b>MHG-1161</b>	FORM #3	17-20 TEETHS	40MM	16MM
<b>MHG-1162</b>	FORM #4	21-25 TEETHS	40MM	16MM
<b>MHG-1163</b>	FORM #5	26-34 TEETHS	40MM	16MM
<b>MHG-1164</b>	FORM #6	35-54 TEETHS	40MM	16MM
<b>MHG-1165</b>	6PC SET OF ABOVE FORMS			

\*All Above Cutters are 0.5 Module.

\*A Cutter with Radially Machine relieved teeth on periphery to cut a single tooth Space in Gear.



### BRAZED CARBIDE BORING BAR SETS



ITEM NO	SHANK SIZE	NO OF PC
<b>MCB-1166</b>	8MM(5/16")	9PC
<b>MCB-1167</b>		12PC
<b>MCB-1168</b>	10MM(3/8")	9PC
<b>MCB-1169</b>		12PC
<b>MCB-1170</b>	12MM(1/2")	9PC
<b>MCB-1171</b>		12PC
<b>MCB-1172</b>	20MM(3/4")	9PC
<b>MCB-1173</b>		12PC

- Proper brazing is done of the carbide tips to avoid chipping and breaking while the tool is in use.
- Tool life is extended because each bar has far more steel behind the cutting edge for heavier, chatter free cut.
- The same bars can bore flat-bottom holes.
- Shanks are grounded.
- The massive head behind the cutting edge promotes rigidity & long life by reducing vibration.
- Set Supplied in fine finished wooden stand.

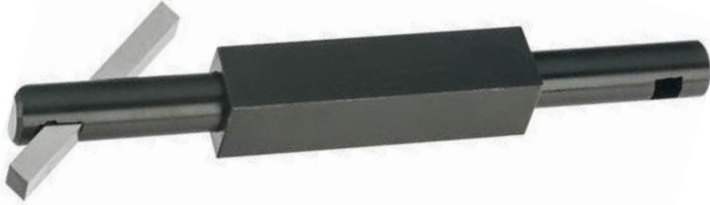
### HSS BORING BARS

ITEM NO	DIAMETER	O.A.L
<b>MHB-1174</b>	5MM(3/16")	114MM(4-1/2")
<b>MHB-1175</b>	6MM(1/4")	127MM(5")
<b>MHB-1176</b>	8MM(5/16")	153MM(6")
<b>MHB-1177</b>	9.5MM(3.8")	178MM(7")

- Ground Shank on underside to provide a flat surface for ease of setting to ensure rigidity when used in Tool Post.
- Manufactured from M2 Grade.



### DOUBLE ENDED BORING BAR WITH HOLDER



STRAIGHT ITEM NO	BAR SIZE		HOLDER SIZE		SUITABLE FOR SQUARE BIT SIZE
	DIA	LENGTH	LENGTH	SQUARE	
MBB-1183	3/8"	4-1/2"	2-1/4"	1/2"	1/8"
MBB-1184	7/16"	5-1/4"	2-1/2"	1/2"	3/16"
MBB-1185	9/16"	6-3/4"	3"	5/8"	1/4"
MBB-1186	3/4"	9-1/4"	3-3/4"	7/8"	5/16"
MBB-1187	7/8"	11-1/2"	4-1/2"	1-1/4"	3/8"
MBB-1188	1-1/8"	12-3/4"	4-1/2"	1-3/8"	7/16"
MBB-1189	1-3/16"	13-3/4"	5"	1-5/8"	1/2"
MBB-1190	1-1/4"	18"	7"	1-3/4"	5/8"
MBB-1191	1-3/8"	20"	8"	1-7/8"	3/4"
MBB-1192	1-1/2"	22"	9"	2"	7/8"
MBB-1193	1-3/4"	24"	10"	2-1/2"	1"

### DOUBLE ENDED BORING BAR



- Manufactured from good quality tool steel.
- Supplied with one allen key.
- Tool bit not included.

ITEM NO	BORING BAR SETS	PACKING
MBB-1180	6PC SET OF 1/4", 3/8", 1/2", 5/8", 3/4" & 1"	WOODEN STAND
MBB-1181	5PC SET OF 3/8", 1/2", 5/8", 3/4" & 1"	WOODEN STAND
MBB-1182	4PC SET OF 1/4", 5/16", 3/8", 1/2"	PVC POUCH

### ROUND TOOL HOLDER DOUBLE ENDED

ITEM NO	SUITABLE FOR TOOL DIA	HOLDER SIZE
MRT-1194	5 & 6MM	8X8X60MM
MRT-1195	8 & 10MM	12X12X80MM
MRT-1196	10 & 12MM	20X20X10MM



### MINI THREADING & BORING TOOL SET 4PC

ITEM NO	SHANK SIZE	CONTENTS
MMT-1197	6X 95MM	1 X BORING TOOL
		1 X THREADING TOOL 55°
		1 X THREADING TOOL 60°
		1 X SQ. TOOL HOLDER (8MM X 60MM)
MMT-1198	8 X 140MM	1 X BORING TOOL
		1 X THREADING TOOL 55°
		1 X THREADING TOOL 60°
		1 X SQ. TOOL HOLDER (10MM X 70MM)



- Ideal for mini Lathes. Made of
- High Speed Steel for increased production, finer and smoother cuts.
- A holder is provided to hold the

### DRIVE PIN PUNCHES HEXAGON

ITEM NO.	OAT		DIAMETER	
	INCH	MM	INCH	MM
MDP-0759	6	150	1/16	1.5
MDP-0760	6	150	1/8	3
MDP-0761	6	150	5/32	4
MDP-0762	6	150	3/16	5
MDP-0763	6	150	¼	6
MDP-0764	6	150	5/16	8
MDP-0765	6	150	6 PC SET OF ABOVE	



- Manufactured from Chrome vanadium steel.
- Hardened and tempered.
- Supplied in yellow powder coated finish.
- Hexagon body for firm grip.



### ROLL PIN PUNCH 9PC SET

ITEM NO.  
**MRP-0766**

- Sizes include:
- 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" & 5/16".
- Hemispherical recessed roll pins.
- Extended shaft.
- Knurled Grip Handles.Hardened & Ground.
- Used by Gunsmith, Jewelers & Automotive Industries.

### DRIVE PIN PUNCHES SHORT

- Manufactured from fine tool steel.
- Hardened and tempered.
- Supplied in black Oxidized finish.
- Knurled body.

ITEM NO.	OAT		DIAMETER	
	INCH	MM	INCH	MM
MDP-0767	4	100	1/16	1.6
MDP-0768	4	100	3/32	2.4
MDP-0769	4	100	1/8	3.2
MDP-0770	4	100	5/32	4.0
MDP-0771	4	100	3/16	4.8
MDP-0772	4	100	7/32	5.5
MDP-0773	4	100	¼	6.4
MDP-0774	4	100	5/16	8.0
MDP-0775	4	100	8 PC SET OF ABOVE SIZES IN VINYL POUCH	



### DRIVE PIN PUNCHES LONG



ITEM NO.	OAT		DIAMETER	
	INCH	MM	INCH	MM
MDP-0776	8	200	1/8	3.2
MDP-0777	8	200	5/32	4.0
MDP-0778	8	200	3/16	4.8
MDP-0779	8	200	1/4	6.3
MDP-0780	8	200	5/16	8.0
MDP-0781	8	200	3/8	9.5
MDP-0782	8	200	5 PC SET OF 1/8 3/8 IN VINYL PUNCH, 5/32 SIZE IS NOT INCLUDED	

- Manufactured from fine tool steel.
- Hardened and tempered.
- Supplied in black Oxidized finish.
- Knurled body & Grounded Pins.

### CENTER PUNCHES SQUARE HEAD

- Manufactured from fine Tool steel
- Hardened and tempered.
- Knurled body with Black oxidized finish.
- Square head at striking point prevents rolling.

ITEM NO.	DIAMETER OF TAPER		DOAL		SQUARE SIZE	
	INCH	MM	INCH	MM	INCH	MM
MCP-0783	1/16	1.6	4	100	3/8	9.5
MCP-0784	5/64	2.0	4	100	3/8	9.5
MCP-0785	3/32	2.4	4	100	3/8	9.5
MCP-0786	9/64	3.6	4	100	3/8	9.5
MCP-0787	5/32	4.0	4	100	3/8	9.5
MCP-0788	1/8	3.2	4	100	3/8	9.5
MCP-0789	3/16	4.8	4	100	7/16	11.0
MCP-0790	1/4	6.3	4	100	9/16	14.0
MCP-0791	5 PC SET OF 1/16 – 5/32 IN VINYL POUCH					



### CENTER PUNCHES ROUND

- Manufactured from fine Tool steel
- Hardened and tempered.
- Knurled body with Black oxidized finish.

ITEM NO.	DIAMETER OF TAPER		DOAL	
	INCH	MM	INCH	MM
MCP-0792	1/16	1.6	3	75
MCP-0793	5/64	2.0	4	100
MCP-0794	3/32	2.4	4	100
MCP-0795	9/64	3.6	4	100
MCP-0796	5/32	4.0	4	100
MCP-0797	5/16	8.0	4	100
MCP-0798	1/8	3.2	4	100
MCP-0799	11/64	4.4	4	100
MCP-0800	3/16	4.8	4-1/2	115
MCP-0801	1/4	6.3	5	125
MCP-0802	3/8	9.5	6	150
MCP-0803	5 PC SET OF 1/16 – 5/32 IN VINYL POUCH			



### AUTOMATIC CENTER PUNCHES

- Sturdy & handy knurled body.
- Spring Loaded mechanism so that no hammer required. to operate punch.
- No hammer is required for operating punch.
- Hardened & ground pin.

ITEM NO.	DESCRIPTION	SIZE	
		INCH	MM
MAC-0804	BLACK	5	125
MAC-0805	BRASS BODY	5	125
MAC-0806	BALL HEAD	5	125
MAC-0807	HEAVY DUTY	6	150



### AUTOMATIC CENTER PUNCH WITH CLIP

ITEM NO **MAC-0828**

#### Pen Type Adjustable Force Automatic Centre Punch Tool

- For indenting the work-piece prior to drilling without the need for hammering.
- Delivers a punch when hand pressure is applied to knurled head.
- One handed operation.
- Adjustable force upto 13 Kgs simply by the knurled Cap on the head.
- Pen Type Holder & Epoxy Black finish for a Rust free life.
- Hardened & Ground Alloy Steel Pin of Hardness 60 + 2 HRC
- Knurled body for a firm grip to avoid any slippage
- Length: 120 mm



### CENTER PUNCH SET OF 7 PCS.

ITEM NO **MCP-0830**

- Black Shiny Finish / Black Oxidized Finish.
- Knurled Body for easy Grip.
- Made from Tool steel, Hardened & Ground.
- Set of 7 Pcs. packed in attractive Plastic Pouch.
- SET CONSISTS OF (7 Pcs.) :
- 1/16" (1.5mm), 5/64" (2 mm), 3/32" (2.5mm), 1/8" (3 mm),
- 5/32" (4 mm), 3/16" (5 mm) & 1/4" (6 mm)



### PRICK PUNCHES (LIGHT)

- Made from Carbon Steel.
- Front taper and back head in ground finish.
- Knurled body for easy gripping.
- Uniformly heat treated.



ITEM NO	DIA AT TOP OF TAPER	BODY DIA	LENGTH
<b>MPP-0831</b>	5/64" (2.0 mm)	9/32" (7.0 mm)	4" (100 mm)
<b>MPP-0832</b>	3/32" (2.5 mm)	19/64" (7.5 mm)	4" (100 mm)
<b>MPP-0833</b>	9/64" (3.5 mm)	5/16" (8.0 mm)	4" (100 mm)
<b>MPP-0834</b>	5/32" (4.0 mm)	3/8" (9.5 mm)	4" (100 mm)
<b>MPP-0835</b>	3/16" (4.8 mm)	3/8" (9.5 mm)	4" (100 mm)
<b>MPP-0836</b>	Set of above 5 Pcs		

### UNIVERSAL TRANSFER & ALIGNER PUNCH



ITEM NO.	RANGE	
	INCH	MM
<b>MUT-0808</b>	3/16 TO 5/8	5 TO 15
<b>MUT-0809</b>	3/16 TO 1-3/16	5 TO 30

- PIN IS GROUNDED
- IDEALFOR TOOLMAKES, MACHINIST, MACHINE & MODEL ENGINEERS

### DRIVE PIN PUNCHES BRASS

- Manufactured from finest quality solid brass 5/16" hex stock.
- Can also be supplied separately.
- Ideal when working in no spark situation.

ITEM NO.	OAL		SIZE OF TIP	
	INCH	MM	INCH	MM
<b>MDP-0810</b>	3-1/2	90	1/16	1.6
<b>MDP-0811</b>	3-1/2	90	3/32	2.4
<b>MDP-0812</b>	3-1/2	90	1/8	3.2
<b>MDP-0813</b>	3-1/2	90	5/32	4.0
<b>MDP-0814</b>	3-1/2	90	3/16	4.8
<b>MDP-0815</b>	3-1/2	90	7/32	5.5
<b>MDP-0816</b>	3-1/2	90	1/4	6.4
<b>MDP-0817</b>	3-1/2	90	5/16	8.0
<b>MDP-0818</b>	3-1/2	90	8 PC SET OF ABOVE IN VIYL PONCH	



### NAIL PUNCHES ROUND HEAD

- Manufactured from fine series tool steel.
- Hardened and tempered.
- Knurled body with black oxidized finish.



ITEM NO.	SIZE OF TIP		LENGTH		BODY DIAMETER	
	INCH	MM	INCH	MM	INCH	MM
<b>MNP-0819</b>	1/16	1.6	4	100	3/8	9.5
<b>MNP-0820</b>	3/32	2.4	4	100	3/8	9.5
<b>MNP-0821</b>	1/8	3.2	4	100	3/8	9.5
<b>MNP-0822</b>	5/32	4.0	4	100	3/8	9.5
<b>MNP-0823</b>	3/16	4.8	4	100	3/8	9.5
<b>MNP-0824</b>	1/32	0.8	4	100	3/8	9.5
<b>MNP-0825</b>	3/16	4.8	4-1/2	115	3/8	9.5
<b>MNP-0826</b>	1/4	6.3	6.3	115	7/16	11.0
<b>MNP-0827</b>	5 PC SET 1/16 – 3/16(4") IN VINYL POUCH					

### NAIL PUNCHES SQUARE HEAD

ITEM NO.	SIZE OF TIP		LENGTH		BODY DIAMETER	
	INCH	MM	INCH	MM	INCH	MM
<b>MNP-0840</b>	1/16	1.6	4	100	3/8	9.5
<b>MNP-0841</b>	3/32	2.4	4	100	3/8	9.5
<b>MNP-0842</b>	1/8	3.2	4	100	3/8	9.5
<b>MNP-0843</b>	5/32	4.0	4	100	3/8	9.5
<b>MNP-0844</b>	3/16	4.8	4	100	3/8	9.5
<b>MNP-0845</b>	5 PC SET 1/16 – 3/16(4") IN VINYL POUCH					
<b>MNP-0846</b>	5/64	2.0	4	100	3/8	9.5
<b>MNP-0847</b>	3/16	4.8	4-1/2	115	3/8	9.5



- Manufactured from fine Tool steel.
- Hardened And tempered.
- Knurled body with black oxidized finish
- Square head at striking point prevents rolling.

### LETTER & FIGURE PUNCH SETS



ITEM NO. LETTER STAMP SET OF 27 STICKS	ITEM NO. FIGURE STAMP SET OF 9 STICKS	ITEM NO. COMBINATION OF LETTER & NUMBER SETS OF 36 STRICKS	SIZE	
			INCH	MM
<b>MLF-0848L</b>	<b>MLF-0848F</b>	<b>MLF-0848C</b>	1/16	1.6
<b>MLF-0849L</b>	<b>MLF-0849F</b>	<b>MLF-0849C</b>	3/32	2.4
<b>MLF-0850L</b>	<b>MLF-0850F</b>	<b>MLF-0850C</b>	1/8	3.2
<b>MLF-0851L</b>	<b>MLF-0851F</b>	<b>MLF-0851C</b>	5/32	4.0
<b>MLF-0852L</b>	<b>MLF-0852F</b>	<b>MLF-0852C</b>	3/16	4.8
<b>MLF-0853L</b>	<b>MLF-0853F</b>	<b>MLF-0853C</b>	1/4	6.3
<b>MLF-0854L</b>	<b>MLF-0854F</b>	<b>MLF-0854C</b>	5/16	8.0
<b>MLF-0855L</b>	<b>MLF-0855F</b>	<b>MLF-0855C</b>	3/8	9.5
<b>MLF-0856L</b>	<b>MLF-0856F</b>	<b>MLF-0856C</b>	1/2	12.7

- Manufactured from carbon steel.
- Letter Set consists of 27 sticks (A to Z).
- Number Set consists of 9 sticks.
- (0-8 and 6 is inverted to be used as 9).
- Combination Set consists of 36 sticks (27 + 9).
- Supplied in moulded plastic case.

### BELL PUNCH CENTER FINDER

ITEM NO.	CAPACITY
<b>MBP-0857</b>	UP TO 35MM
<b>MBP-0857B</b>	UP TO 52MM

- Bell Punch Easily locates and allows center punching of ends on round stock of up to 35mm.
- Hardened to 48-52 HRC
- A Very Handy Tool if required precise Drilling on Round Bar.



### COMBINATION PIN PUCH SET 13 PC

ITEM NO.

**MCP-0858**

- Set consists of 8 pc 1/16" - 5/16" (4"/100mm) & 5 pc 1/8", 3/16", 1/4", 5/16" & 3/8" (8"/200mm) drive pin punch.
- Supplied in vinyl pouch.



### INTERCHANGEABLE HOLLOW PUCH SET OF 10 PC 2-10MM

ITEM NO.

**MIH-0890**

- Punches made from high grade Alloy Steel.
- Each Punch is hardened, tempered & ground to fine cutting edge for sharpness & durability.
- Handle id knurled for firm grip & safety.
- Punch body is grooved for quick & easy change.
- Ideal for punches clean & precise holes on leather, felt rubber & all soft material.



### UTILITY PUCH SET 13 PC

ITEM NO.

**MUP-0889**

- Set consists of 8 pc 1/16" - 5/16" (4"/100mm) & 5 pc 1/16" - 5/32" drive pin punch.
- Supplied in vinyl pouch.



### GROMMET SETTING DIE

ITEM NO.	FOR EYELET SIZE
<b>MGS-0891</b>	10MM
<b>MGS-0892</b>	13MM
<b>MGS-0893</b>	16MM
<b>MGS-0894</b>	19MM

- Manufactured from solid steel for inserting sheet brass washer & teeth grommets.
- Useful tool for setting up eyelets.

### WAD PUNCH KIT

ITEM NO.	SIZE RANGE	SIZE INCLUDED
<b>MWP-0895</b>	3-20MM	3,4,6,8,10,12,14,16,18,20MM
<b>MWP-0896</b>	3-30MM	3,4,6,8,10,12,14,16,18,20,24,26,28 &30MM
<b>MWP-0897</b>	3-40MM	3,4,6,8,10,12,14,16,18,20,24,26,28,30,32,34,36,38&40MM



#### HANDLE

- Solid drop-forged steel, hardened for heavy hammer impact Bright Nickel-plated knurled body for firm grip & comfort.
- Accommodates 2 Punches to make washers, gaskets & punched holes on materials such as felt, rubber, fibre, leather, plastics & corks etc.

#### PUNCH HEAD

- Precision-made high grade alloy steel & fine grounded to sharp cutting edge.
- Innovative 'twist-&lock' system allow quick change of the Punch Head safety & prevents accidental misfits.

### HOLLOW PUNCHES



- Manufactured from hardened & tempered carbon steel. Used for punching making holes in leather, plastic etc.
- Heavy grip knurled bdy.
- Inside taper for clearance.

ITEM NO.	SIZE INCHES	ITEM NO.	SIZE METRIC
MHP-0898I	1/32	MHP-0898M	2
MHP-0899I	1/16	MHP-0899M	3
MHP-0900I	3/32	MHP-0900M	4
MHP-0901I	1/8	MHP-0901M	5
MHP-0902I	5/32	MHP-0902M	6
MHP-0903I	3/16	MHP-0903M	7
MHP-0904I	7/32	MHP-0904M	8
MHP-0905I	1/4	MHP-0905M	9
MHP-0906I	9/32	MHP-0906M	10
MHP-0907I	5/16	MHP-0907M	11
MHP-0908I	3/8	MHP-0908M	12
MHP-0909I	11/16	MHP-0909M	13
MHP-0910I	3/4	MHP-0910M	14
MHP-0911I	13/16	MHP-0911M	15
MHP-0912I	7/8	MHP-0912M	16
MHP-0913I	15/16	MHP-0913M	17
MHP-0914I	1	MHP-0914M	18
MHP-0915I	1-1/16	MHP-0915M	19
MHP-0916I	1-1/8	MHP-0916M	20
MHP-0917I	1-3/16	MHP-0917M	21
MHP-0918I	1-1/4	MHP-0918M	22
MHP-0919I	1-5/16	MHP-0919M	23
MHP-0920I	1-3/8	MHP-0920M	24
MHP-0921I	1-7/16	MHP-0921M	25
MHP-0922I	1-1/2	MHP-0922M	26
MHP-0923I	4 -20MM (12PC SET)	MHP-0923M	27
MHP-0924I	4 – 24MM (12 PC SET)	MHP-0924M	28
MHP-0925I	4- 32MM (12 PC SET)	MHP-0925M	29
		MHP-0926M	30
		MHP-0927M	32
		MHP-0928M	34
		MHP-0929M	36
		MHP-0930M	38

### WAD PUNCH KIT

ITEM NO.	SIZE RANGE	SIZE INCLUDED
MWP-0931	5-32MM	5,6,8,10,12.5,16,20,25 & 32MM

- Made from High grade Alloy Steel.
- Handle is forged & fully heat-treated & hardened to take heavy hammer impact.
- The Pin on handle is spring loaded to eject slug & allow holes to be accurately centered.
- Each punch is ground to fine cutting edge, specially hardened & tempered for sharpness & durability.
- Perfect for punching holes in leather, felt, rubber, fiber, plastic & corks etc.



### PUNCHING TABLE 6-38MM

ITEM NO.	PUNCH SIZE INCLUDE
MPT-0932	6,7,8,9,10,11,12,13,16,19,22,25,28,32,35 & 38MM

- Light weight only Approx 12 Kg., easy to handle. Can be easily used on any workbench.
- Can punch gaskets washers, shims out of asbestos, rubber, Fiber, Oil paper, Brass, Copper, Aluminum and most thin metal sheets.
- All punches are hardened and tempered for maximum life, punching table also hardened.
- Punches can be re-sharpened by simple grinding to retain cutting edge.

### EJECTING DRILL DRIFT

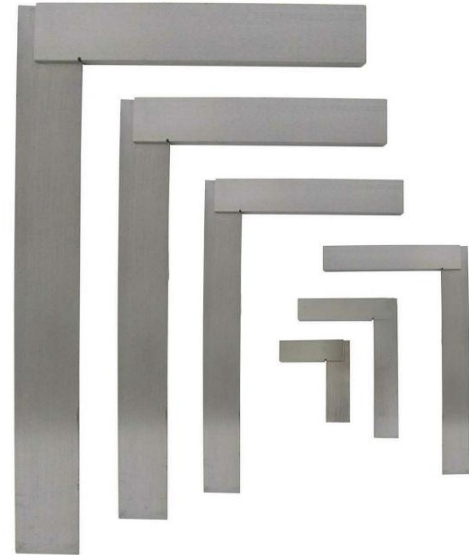
- Good Quality Carbon Steel.
- Permanently marked for easier identification.
- It helps to remove Taper Shank Tools easily from Drill Sleeves or Sockets.
- Also Available in DIN 317 Standard upon request.

ITEM NO.	DRIFT NO.	SUITABLE FOR FOLLOWING MORSE TAPERS
MPT-0933	1	MT-1
MPT-0934	2	MT-2
MPT-0935	3	MT-3
MPT-0936	4	MT-4, MT-5, MT-6
MPT-0937	4 PC SET OF 1,2,3, & 4	



## ENGINEER'S STEEL SQUARES

ITEM NO	BLADE LENGTH		STOCK LENGTH	
	INCH	MM	INCH	MM
MES-1300	2	50	2.0	50
MES-1301	3	75	2.5	60
MES-1302	4	100	3.0	75
MES-1303	6	150	4.0	100
MES-1304	8	200	5.0	125
MES-1305	9	225	6.0	160
MES-1306	10	250	6.0	160
MES-1307	12	300	8.0	200
MES-1308	18	450	10.0	250
MES-1309	24	600	13.0	330
MES-1310	36	915	17.5	445
MES-1311	4PC SET OF 2", 3", 4", 6"			
MES-1312	4PC SET OF 2", 3", 4", 6" & 8"			
MES-1313	3PC SET OF 4", 6" & 8"			
MES-1314	4PC SET OF 4", 6", 9" & 12"			
MES-1315	2PC SET OF 9" & 12"			
MES-1316	3PC SET OF 2", 3" & 4"			



Hardened spring steel blades are in ground finish.

- Stock is Precision Ground.
- Very Useful tool for workshop engineers.

## CARPENTER'S STEEL SQUARES

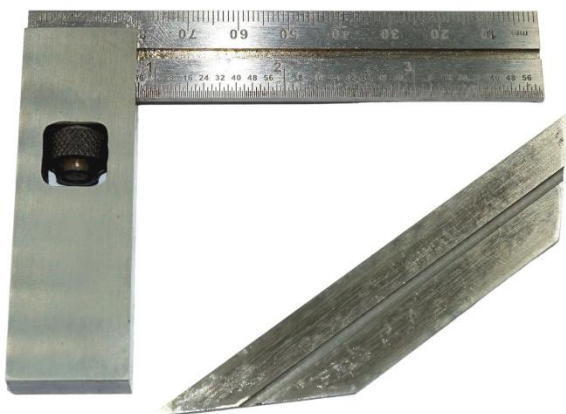
ITEM NO	BLADE LENGTH	
	INCH	MM
MCS-1317	4	100
MCS-1318	6	150
MCS-1319	8	200
MCS-1320	10	250
MCS-1321	12	300
MCS-1322	16	400



SIZE : 12"

- Stock is made of quality casted steel.
- Blades are made of stainless steel.
- Both sides of blades are fine etched with one side.
- Imperial & one side metric graduations. Very useful tool for carpenters.

## ADJUSTABLE STEEL SQUARES



ITEM NO	BLADE LENGTH		STYLE CODES
	INCH	MM	
MAS-1323	4	100	E/M 0.5MM, 1MM, 32NDS, 64THS
MAS-1324	4	100	4R 8THS, 16THS, 32NDS, 64THS
MAS-1325	6	150	E/M 0.5MM, 1MM, 32NDS, 64THS
MAS-1326	6	150	4R 8THS, 16THS, 32NDS, 64THS

- Blade is Hardened & ground for straightness & parallelism.
- Stock is Precision Ground.
- Blade can be adjusted according to the application with the help of the knurled knob.
- Can be used for many applications as compared to the conventional square, which comes with a fixed stock.

## BEVELLED EDGE STEEL SQUARES

ITEM NO	BLADE LENGTH		STOCK LENGTH	
	INCH	MM	INCH	MM
<b>MBE-1327</b>	2	50	1-1/2	38.5
<b>MBE-1328</b>	3	75	2	50
<b>MBE-1329</b>	4	100	2-3/4	70
<b>MBE-1330</b>	6	150	3-13/16	97
<b>MBE-1331</b>	8	200	5-1/8	130
<b>MBE-1332</b>	2 PC SET OF 2" & 4"			
<b>MBE-1333</b>	3 PC SET OF 4", 6", & 8"			

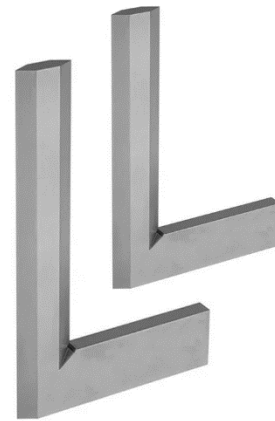
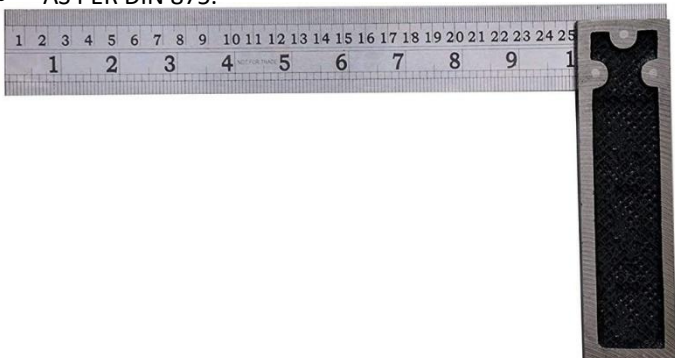
- Blades bevelled on both sides to make line contact with job.
- Both Blade & Stock is Hardened & ground for straightness & parallelism.
- Sets Supplied in Fine Finished Wooden Boxes.



## CONTROL STEEL SQUARES

WITH BASE	WITHOUT BASE	SIZE
ITEM NO	ITEM NO	(MM)
<b>MCS-1342W</b>	<b>MCS-1342WO</b>	50 X 40
<b>MCS-1343W</b>	<b>MCS-1343WO</b>	75 X 50
<b>MCS-1344W</b>	<b>MCS-1344WO</b>	100 X 70
<b>MCS-1345W</b>	<b>MCS-1345WO</b>	150 X 100
<b>MCS-1346W</b>	<b>MCS-1346WO</b>	200 X 130
<b>MCS-1347W</b>	<b>MCS-1347WO</b>	250 X 165
<b>MCS-1348W</b>	<b>MCS-1348WO</b>	300 X 200

- MANUFACTURED FROM FINE QUALITY CARBON STEEL.
- FULLY GROUND SURFACE.
- AS PER DIN 875.



## PLATED STEEL SQUARES

WITH BASE	WITHOUT BASE	SIZE
ITEM NO	ITEM NO	(MM)
<b>MPS-1334W</b>	<b>MPS-1334WO</b>	100 X 70
<b>MPS-1335W</b>	<b>MPS-1335WO</b>	150 X 100
<b>MPS-1336W</b>	<b>MPS-1336WO</b>	200 X 130
<b>MPS-1337W</b>	<b>MPS-1337WO</b>	250 X 165
<b>MPS-1338W</b>	<b>MPS-1338WO</b>	300 X 230
<b>MPS-1339W</b>	<b>MPS-1339WO</b>	400 X 230
<b>MPS-1340W</b>	<b>MPS-1340WO</b>	500 X 330
<b>MPS-1341W</b>	<b>MPS-1341WO</b>	600 X 330

- ZINC PLATED FOR RUST PREVENTION.
- MANUFACTURED FROM CARBON STEEL.



## TRY SQUARE ALUMINIUM

ITEM NO	SIZE	
<b>MTS-1349</b>	8"	1/8" & 1/16" DIVISION ON BOTH SIDES
<b>MTS-1350</b>	200MM	MM & 0.5MM

- STAINLESS STEEL BLADE & HEAVY DUTY ALUMINIUM HANDLE.
- HIGH VISIBILITY MAKINGS

## SLIDING T-BEVEL ALUMINIUM

ITEM NO	SIZE
MST-1351	8"/200MM
MST-1352	10"/250MM
MST-1353	12"/300MM

- AN ADJUSTABLE GAUGE FOR SETTING & TRANSFERRING ANGLES.
- STAINLESS STEEL BLADE & HEAVY DUTY ALUMINUM HANDLE.

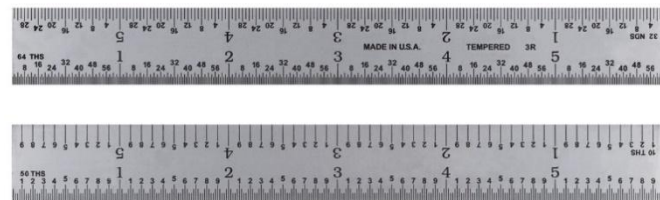


## SLIDING T-BEVEL WOODEN

ITEM NO	SIZE
MST-1354	3"/75MM
MST-1355	7-1/2"/190MM
MST-1356	10-1/2"/265MM

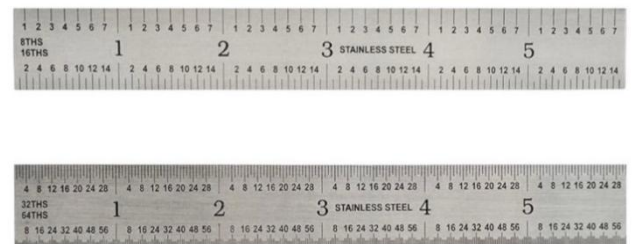
## PRECISION STEEL RULE STYLE CODE 3R 32NDS, 64THS, 10THS & 50THS

LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
6"	MPS-1357F	1/2"	MPS-1357R	3/4"
8"	MPS-1358F	1/2"	MPS-1358R	3/4"
12"	MPS-1359F	1/2"	MPS-1359R	1"
18"	MPS-1360F	3/4"	MPS-1360R	1-1/8"
20"	MPS-1361F	3/4"	MPS-1361R	1-1/8"
24"	MPS-1362F	3/4"	MPS-1362R	1-1/8"
36"/1MTR	MPS-1363F	3/4"	MPS-1363R	1-1/8"
48"	MPS-1364F	-	MPS-1364R	1-1/8"



## PRECISION STEEL RULE STYLE CODE 4R 8THS, 16THS, 32NDS & 64THS

LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
6"	MPS-1365F	1/2"	MPS-1365R	3/4"
8"	MPS-1366F	1/2"	MPS-1366R	3/4"
12"	MPS-1367F	1/2"	MPS-1367R	1"
18"	MPS-1368F	3/4"	MPS-1368R	1-1/8"
20"	MPS-1369F	3/4"	MPS-1369R	1-1/8"
24"	MPS-1370F	3/4"	MPS-1370R	1-1/8"
36"/1MTR	MPS-1371F	3/4"	MPS-1371R	1-1/8"
48"	MPS-1372F	-	MPS-1372R	1-1/8"



## PRECISION STEEL RULE STYLE CODE 5R

32NDS, 64THS, 10THS & 100THS

LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
6"	MPS-1373F	1/2"	MPS-1373R	3/4"
8"	MPS-1374F	1/2"	MPS-1374R	3/4"
12"	MPS-1375F	1/2"	MPS-1375R	1"
18"	MPS-1376F	3/4"	MPS-1376R	1-1/8"
20"	MPS-1377F	3/4"	MPS-1377R	1-1/8"
24"	MPS-1378F	3/4"	MPS-1378R	1-1/8"
36"/1MTR	MPS-1379F	3/4"	MPS-1379R	1-1/8"
48"	MPS-1380F	-	MPS-1380R	1-1/8"



## PRECISION STEEL RULE STYLE CODE 16R

32NDS, 64THS, 50THS & 100THS

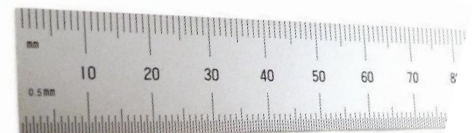
LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
6"	MPS-1381F	1/2"	MPS-1381R	3/4"
8"	MPS-1382F	1/2"	MPS-1382R	3/4"
12"	MPS-1383F	1/2"	MPS-1383R	1"
18"	MPS-1384F	3/4"	MPS-1384R	1-1/8"
20"	MPS-1385F	3/4"	MPS-1385R	1-1/8"
24"	MPS-1386F	3/4"	MPS-1386R	1-1/8"
36"/1MTR	MPS-1387F	3/4"	MPS-1387R	1-1/8"
48"	MPS-1388F	-	MPS-1388R	1-1/8"



## PRECISION STEEL RULE STYLE CODE E/M

32NDS, 64THS, MM & 0.5MM

LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
6"	MPS-1389F	1/2"	MPS-1389R	3/4"
8"	MPS-1390F	1/2"	MPS-1390R	3/4"
12"	MPS-1391F	1/2"	MPS-1391R	1"
18"	MPS-1392F	3/4"	MPS-1392R	1-1/8"
20"	MPS-1393F	3/4"	MPS-1393R	1-1/8"
24"	MPS-1394F	3/4"	MPS-1394R	1-1/8"
36"/1MTR	MPS-1395F	3/4"	MPS-1395R	1-1/8"
48"	MPS-1396F	-	MPS-1396R	1-1/8"



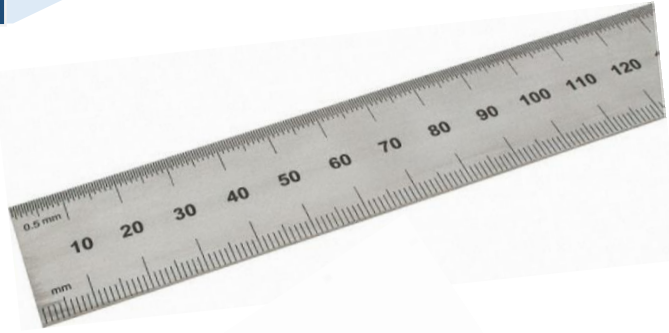
## PRECISION STEEL RULE STYLE CODE D/M

10THS, 100THS, MM & 0.5MM

LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
6"	MPS-1397F	1/2"	MPS-1397R	3/4"
8"	MPS-1398F	1/2"	MPS-1398R	3/4"
12"	MPS-1399F	1/2"	MPS-1399R	1"
18"	MPS-1400F	3/4"	MPS-1400R	1-1/8"
20"	MPS-1401F	3/4"	MPS-1401R	1-1/8"
24"	MPS-1402F	3/4"	MPS-1402R	1-1/8"
36"/1MTR	MPS-1403F	3/4"	MPS-1403R	1-1/8"
48"	MPS-1404F	-	MPS-1404R	1-1/8"

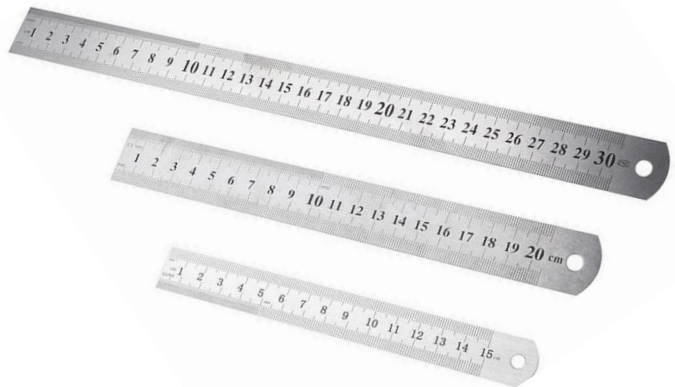
## PRECISION STEEL RULE STYLE CODE METRIC MM & 0.5MM, MM & 0.5MM

LENGTH	ITEM NO	FLAXIBLE WIDTH	ITEM NO	RIGID WIDTH
150MM	MPS-1405F	13MM	MPS-1405R	20MM
200MM	MPS-1406F	13MM	MPS-1406R	20MM
300MM	MPS-1407F	13MM	MPS-1407R	25MM
450MM	MPS-1408F	20MM	MPS-1408R	28MM
500MM	MPS-1409F	13MM	MPS-1409R	28MM
600MM	MPS-1410F	20MM	MPS-1410R	28MM
1000MM	MPS-1411F	18MM	MPS-1411R	28MM
1000MM	MPS-1412F	24MM	MPS-1412R	28MM
1200MM	MPS-1413F	-	MPS-1413R	28MM



## PRECISION STEEL RULE INCHES, METRIC & DECI. EQUIV.

ITEM NO	INCH	MM	WIDTH
MPS-1414	6	150	3/4"/20MM
MPS-1415	12	300	1"/25MM
MPS-1416	18	450	1"/25MM
MPS-1417	24	600	1"/25MM
MPS-1418	36	900	1-1/8"/28MM
MPS-1419	39/1MTER	1000MM	1-1/8"/28MM
MPS-1420	48	1200MM	1-1/8"/28MM



## ADJUSTABLE HOOK RULES- STAINLESS STEEL

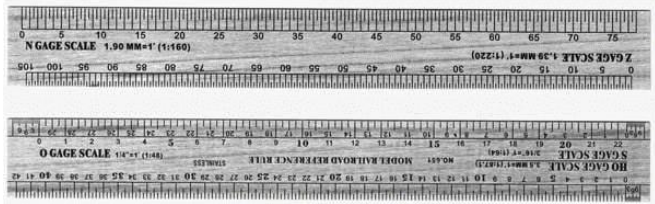
TEM NO	SIZE	STYLE CODE
MAH-1421	6"	4R
MAH-1422	12"	4R
MAH-1423	18"	4R
MAH-1424	24"	4R
MAH-1425	150MM	METRIC
MAH-1426	300MM	METRIC
MAH-1427	450MM	METRIC
MAH-1428	600MM	METRIC



## MODEL RAILROAD RULER

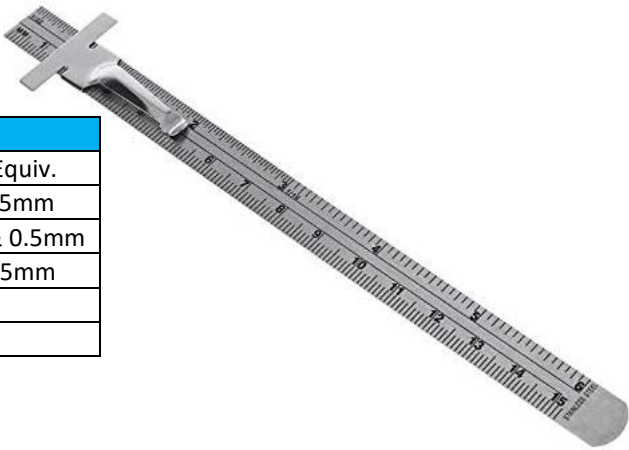
IYEM NO.	LENGTH
MMR-1429	12"/300MM

- Model Railroader Ruler has scale graduations in HO, O, S and N gauge with inch and millimetre calibrations.
- Also included a decimal equivalent chart and reference table on the opposite side.
- A versatile Stainless Steel Flexible Ruler for the model railroader. 1 inch wide x 12inch long.



## POCKET RULE

ITEM NO	LENGTH X WIDTH	TYPE	STYLE
MPR-1430	6" x 15/32"	BROAD	32nds, 64ths & DEC. Equiv.
MPR-1431	6" x 15/32" (150 x 12mm)	BROAD	mm, 0.5mm & mm, 0.5mm
MPR-1432	6" x 15/32" (150 x 12mm)	BROAD	E/M-32nds, 64ths, mm & 0.5mm
MPR-1433	6" x 15/32" (150 x 12mm)	BROAD	10ths, 50ths & mm, 0.5mm
MPR-1434	6" x 15/32" (150 x 12mm)	NARROW	32nds, 64ths
MPR-1435	6" x 15/32" (150 x 12mm)	NARROW	mm & 16ths



- MANUFACTURED FROM HIGH QUALITY STAINLESS STEEL.
- GRADUATIONS ARE PROPERTY ETCHED FOR ACCURATE MEASUREMENT.
- PACKED IN ATTRACTIVE OF PVC.



## WELDING TAPER BORE GAUGE AND STEEL RULER

ITEM NO  
**MWT-1436**

- COMBINATION OF 1-15MM BORE GAUGE+POCKET RULE WITH CLIP MM & 0.5MM LOCKED WITH ADJUSTMENT BRASS SCREW.

## CENTER FINDER SQUARES

ITEM NO	DESCRIPTION
MCF-1437	1-1/2" (38MM) DIAMETER
MCF-1438	3" (75MM) DIAMETER
MCF-1439	2PC SET OF ABOVE 2 SQUARE
MCF-1440	3PC SET OF ABOVE 2 SQUARE & A POCKET CARBIDE SCIBER



## CENTER FINDER FOR ROUND BAR

ITEM NO	SHANK DIA		OVERALL LENGTH	
	INCH	MM	INCH	MM
MCF-1442	3/8	9.5	4-1/8	105
MCF-1443	1/4	6	3	75

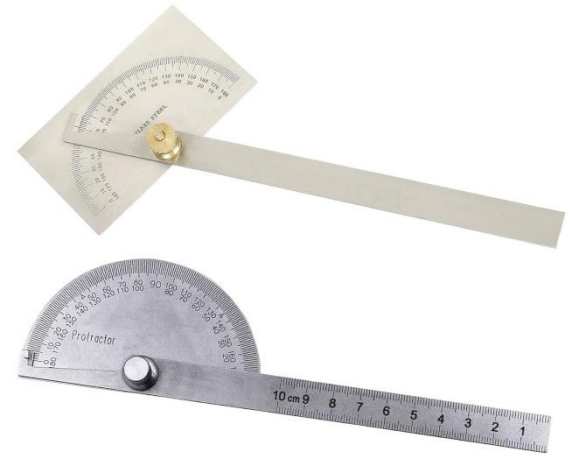
- VERY USFK INSTRUMENT TO FIND THE CENTERS ON ANY ROUND OBJECT.
- CAN BE FIXED IN COLLECT OR THE DRILL CHUCK.



### ANGLE DEGREE PROTRACTORS (0 TO 180°)

ITEM NO	DESCRIPTION
MAD-1444	With Scale & Round Head Brass Nut
MAD-1445	With Scale & Rectangular Head Brass Nut
MAD-1446	With Round Head Brass Nut
MAD-1447	With Rectangular Head Brass Nut

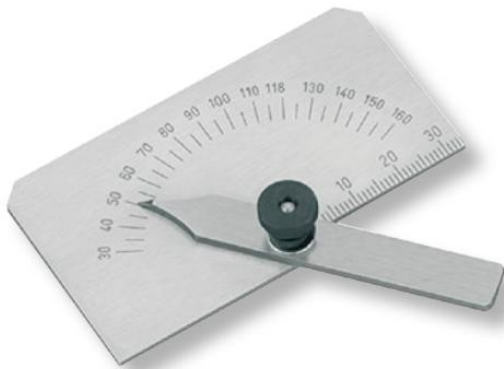
- Stainless Steel & polished body.
- Graduations are properly etched to give accurate measurements.
- Move from 0 to 180".



### TWIST DRILL GRINDING GAUGE

ITEM NO.	LENGTH
MTD-1448	30°-60°

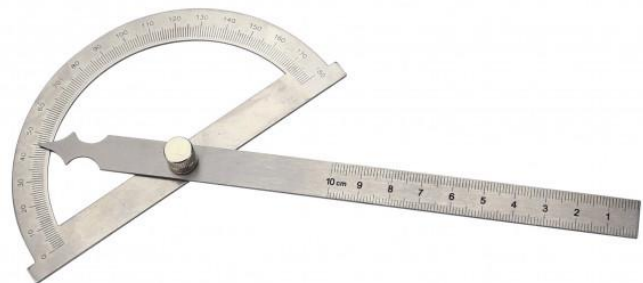
- MEASURES ANGLE OF DRILLS UP TO 60MM.
- WITH ADJUSTABLE POINTER.
- STAINLESS STEEL.



### STEEL PROTRACTOR

ITEM NO	DIAMETER	LENGTH
MSP-1449	80MM	120MM
MSP-1450	120MM	150MM
MSP-1451	150MM	200MM

- MEASURES ANGLE FROM 0-180°.
- WITH ADJUSTABLE SCREW.
- SATIN CHROME FINISH.
- DOUBLE GRADUATION 1°



### PROTRACTOR DEPTH GAUGE

ITEM NO	DESCRIPTION
MPD-1452	ROUND
MPD-1453	RECTANGULAR

- Graduations are properly etched from 0° to 180°.
- Very useful instrument for measuring the depths.
- Scale measurements 6" / 150mm.



## BENCH BLOCK

ITEM NO	BLOCK DIAMETER		BLOCK HEIGHT		HOLE DIAMETER	
	INCH	MM	INCH	MM	INCH	MM
<b>MBB-1454</b>	3	75	1-1/2	38	1/8 TO 5/8	3 TO 15

- Useful for holding work while driving pins, drilling etc.
- Hardened & ground knurled body for a easy grip.
- Vee-groove across the face accommodates round & odd shaped stock.
- Recessed base for lightweight.



## MARKING KNIFE STRIKING KNIFE

ITEM NO.	SIZE INCH
<b>MMK-1455</b>	1-1/2 / 38MM



- Marking Knife is widely used by Wood workers for perfect Layout markings prior to Wood cutting. Hardened Alloy Steel Makes this Tool More versatile to produce Deeper Markings.
- Bevelled blade on each edge with the point in the middle, this one knife suits either.
- Left or right-handed users and can be used to mark from either direction.
- Hardwood Handle approx 5" for Firmer and comfortable Grip.

## MARKING KNIFE

ITEM NO	SHAPE	WIDTH	LENGTH
<b>MMK-1456</b>	LEFT	20MM / 3/4"	150MM/6"
<b>MMK-1457</b>	RIGHT	20MM / 3/4"	150MM/6"

- BEVELLED ON ONE SIDE.
- HIGH CARBON HARDENED BLADE.
- HARDWOOD HANDLE.



## SCRATCH AWL

ITEM NO.	SIZE
<b>MSA-1458</b>	6-1/2" / 165MM



- HARDENED POINT FROSCRIBING & PUNCHING.
- SMOOTH HARDWOOD POLISHED HANDLE FOR FIRM GRIP.

## DRILL POINT GAUGE

ITEM NO
MDP-1459



- For properly grinding 59° drill points and for measuring drill tips.
- Rule and slide are made of steel with satin chrome finish.
- 6" rigid rule is calibrated in 8ths, 16ths, 32nds and 64ths.
- End clip is adjustable and removable.
- Slide is calibrated in 32nds and 64ths.

## DEPTH GAUGE



ITEM NO	SIZE
MDG-1460	6"/150MM
MDG-1461	8"/200MM
MDG-1462	9"/225MM
MDG-1463	12"/300MM

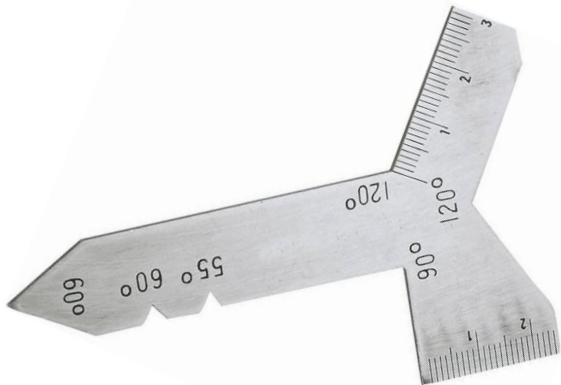
- The gauge consists of nicely finished case hardened steel head.
- The angular depth gauge comes with an angle of 30°, 45° & 60°.
- The narrow rule is graduated with one side in Imperials 16ths, 32nds & 64ths and the other side in Millimeters and half mitsers.

## BORE GAUGES

ITEM NO	SIZE
MBG-1464	1-15MM
MBG-1465	15-30MM
MBG-1466	30-45MM
MBG-1467	1/32"/5/8"



- MANUFACTURED FROM GOOD QUALITY STAINLESS STEEL.
- VERY USEFUL INSTRUMENT FOR MEASURING BORES OF CYLINDRICAL BORES.

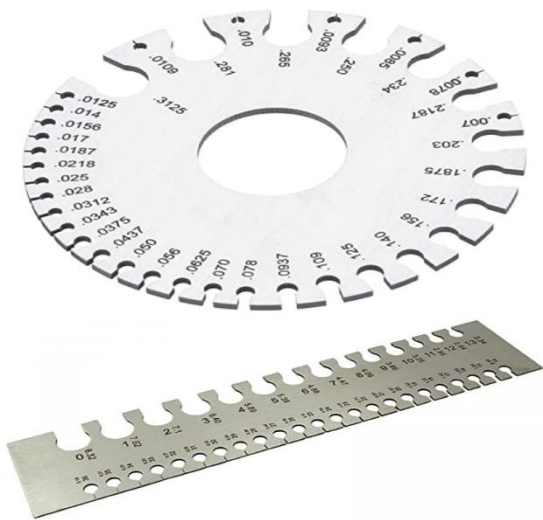


## UNIVERSAL GRINDING GAUGE

ITEM NO	OVERALL LENGTH	
	INCH	MM
MUG-1468	3-3/4	95

- MANUFACTURED FROM GOOD QUALITY STAINLESS STEEL.
- MEASURES SQUARE & HEXAGONAL ANGLE OF 120°, 118°, 90°, 60° & 55°.
- USED AS A TWIST DRILL GAUGE & THREAD GAUGE.

## WIRE GAUGES

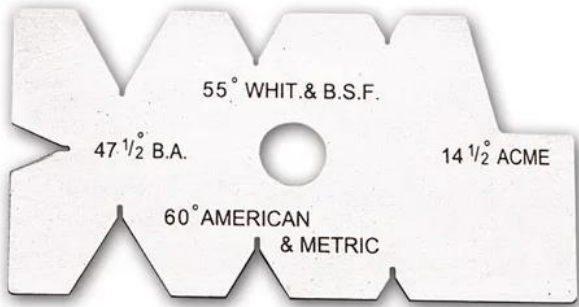


ITEM NO	DESCRIPTION
MWG-1470	RECTANGULAR
MWG-1471	ROUND
MWG-1472	US STD

- AVAILABLE IN S.W.G & A.S.G STANDARD.
- MANUFACTURED FROM STAINLESS STEEL.
- VERY USEFUL FOR MEASURING THICKNESS OF THE WIRES.

## SCREW CUTTING GAUGE

ITEM NO	OVERALL LENGTH	
	INCH	MM
MSC-1473		
MSC-1474	2	50



## DRILL GAUGES



ITEM NO	SIZE
MDG-1475	1/16" - 1/2"
MDG-1476	1-13MM
MDG-1477	1-60
MDG-1478	A-Z
MDG-1479	61-80(STEEL)
MDG-1480	2PC SET 1/16-1/2" & 1-13MM
MDG-1481	3PC SET 1/16-1/2", 1-60 & A-Z

- MANUFACTURED FROM GOOD QUALITY STAINLESS STEEL.
- GRADUATION ARE PROPERTY ETCHED FOR TRUE VALUATIONS.
- USED TO MEASURE THE CORRECT TWIST DRILL SIZE RANGE.

## TWIST DRILL GAUGE

ITEM NO  
**MTD-1469**

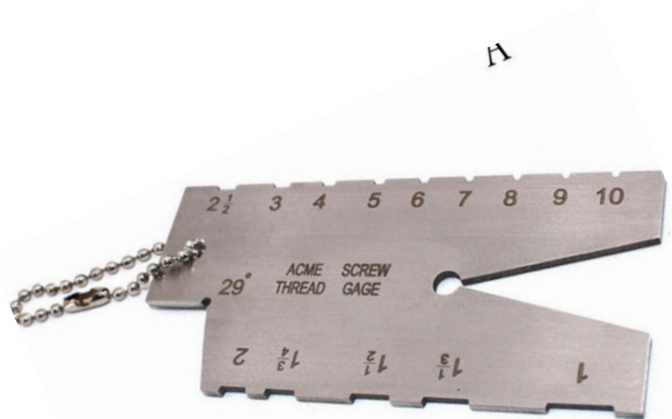
- MANUFACTURED FROM FINE QUALITY STAINLESS STEEL.
- POLISHED FINISH.
- USED FOR TWIST DRILL WITH AN ANGLE OF 118° UP TO LENGTH OF (50MM) / 2".



## ACME GAUGE

ITEM NO  
**MAG-1482**

- MADE OF POLISHED STAINLESS STEEL.
- CLEARLY ETCHED GRADUATION.
- USED FOR GAUGING THREAD PROFILES 47-1/2" BRITISH ASSOCIATION, 14-1/2 ACME 60° AMERICAN.



## RADIUS GAUGE/WELD GAUGE

ITEM NO	RANGE	NO OF LEAVE
<b>MRG-1483</b>	3,3.5,4,4.5,5.5,6,6.5,7,8,10 & 12MM	12

- MANUFACTURED FROM MILD STEEL.
- FOR MEASURING RIGHT ANGLE WELDS.
- 3-12MM (1 COMPLETE SET).

## RADIUS GAUGES RING TYPE

ITEM NO	RANGE	NO OF LEAVE
<b>MRG-1484</b>	1/3 TO 17/64 BY 1/64"	16
<b>MRG-1485</b>	1/3 TO 33/64 BY 1/64"	16
<b>MRG-1486</b>	0.75 TO 5 BY 0.25MM	18
<b>MRG-1487</b>	5.5 TO 13 BY 0.5MM	16
<b>MRG-1488</b>	3 TO 12MM BY 1MM	12

- CONSTRUCTED FROM GOOD QUALITY STEEL.
- PACKED IN ATTRACTIVE PVC JACKET.
- THE RING TYPE STYLE ALLOWS THE USER TO CHECK THE DIMENSIONS IN AN EASIER MANNER FOR BOTH CONCAVE & CONVEX RADII.



## SCREW PITCH GAUGES



ITEM NO	DESCRIPTION	RANGE	NO OF LEAVES	SET DESCRIPTION
MSP-1489	WHIT-WORTH-THREAD 55°	4-62	28	4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60-62
MSP-1490	METRIC-THREAD 60°	0.4-7.0	23	0.4-0.5-0.7075-0.8-1.0-1.15-1.50-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0-6.5-7.0
MSP-1491	METRIC-THREAD 60°	0.25-6.0	24	0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.700-0.75-0.80-0.90-1.0-1.25-1.50-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0
MSP-1492	WHIT-WORTH-PIPE THREAD 55°	8-28	6	8-10-11-14-19-28
MSP-1493	WHIT-WORTH METRIC	4-62 0.4-7.0	48	
MSP-1494	WHIT-WORTH METRIC	4-62 0.25-6.0	52	
MSP-1495	WHIT-WORTH-PIPE METRIC	4-62 0.25-28	58	
MSP-1496	V-THREAD	4-42	31	4-4.5-5-5.5-6-7-8-9-10-11-11.5-12-13-14-15-16-18-20-22-24-26-27-28-30-32-34-36-38-40-42
MSP-1497	US-THREAD 60°	10-40	14	10-11-12-13-14-15-18-20-24-27-28-32-36-40
MSP-1498	US-THREAD 60°	4-64	22	4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-20-22-24-32-40-48-56-64
MSP-1499	UNF-THREAD 60°	12-80	16	12-14-16-18-20-24-28-32-36-40-44-48-56-64-72-80
MSP-1500	US-THREAD 60°	4-84	52	4-4.5-5-5.5-6-7-8-9-10-11-11.5-12-13-14-15-16-17-18-20-22-24-25-27-28-30-32-34-36-38-40-42-44-46-48-50-52-54-56-58-60-62-64-66-68-70-72-74-76-78-80-82-84
MSP-1501	METRIC - ISO 60°	0.5-6.0	18	0.50-0.6-0.7-0.75-0.8-1.0-1.25-1.5-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0
MSP-1502	WHIT WORTH, METRIC, ISO	4-62 0.5-6.0	46	
MSP-1503	WHIT-WORTH-THREAD 55°	4-60	26	4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60
MSP-1504	METRIC - ISO 60°	0.5-7.0	17	0.5-0.6-0.7-0.75-0.8-1.0-1.25-1.5-1.75-2.0-2.5-3.0-3.5-4.0-4.5-5.0-6.0-7.0
MSP-1505	BRITISH ASSOCIATION	0-10	11	0-1-2-3-4-5-6-7-8-9-10
MSP-1506	METRIC - ISO 60°	0.25-2.5	28	0.25-0.3-0.35-0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.75-0.8-0.85-0.9-1.0-1.1-1.2-1.25-1.3-1.4-1.5-1.6-1.7-1.75-1.8-1.9-2.0-2.5
MSP-1507	V-THREAD US METRIC 60°	4-42 0.25-6.0	55	

## FEELER GAUGES



METRIC				
ITEM NO	RANGE MM	NO OF LEAVE	SET COMBINATION	LENGTH
MFG-1508	0.03-0.10	8	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10	100MM
MFG-1509	0.04-0.15	8	0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15	100MM
MFG-1510	0.05-0.50	8	0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50	100MM
MFG-1511	0.03-0.15	9	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15	100MM
MFG-1512	0.05-1.00	9	0.05-0.10-0.15-0.20-0.30-0.50-0.60-0.80-1.00	100MM
MFG-1513	0.10-1.00	10	0.10-0.20-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00	100MM
MFG-1514	0.05-1.00	13	0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00	100MM
MFG-1515	0.05-1.00	15	0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70-0.80-0.90-1.00	100MM
MFG-1516	0.04-1.00	18	0.04-0.05-0.06-0.07-0.08-0.09-0.09-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00	100MM
MFG-1517	0.05-1.00	20	0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100MM
MFG-1518	0.10-2.00	20	0.10-0.20-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00-1.10-1.20-1.30-1.40-1.50-1.60-1.70-1.80-1.90-2.00	100MM
MFG-1519	0.10-0.50	21	0.10-0.12-0.14-0.16-0.18-0.20-0.22-0.24-0.26-0.28-0.30-0.32-0.34-0.36-0.38-0.40-0.42-0.44-0.46-0.48-0.50	100MM
MFG-1520	0.05-2.00	21	0.05-0.10-0.20-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.00-1.10-1.20-1.30-1.40-1.50-1.60-1.70-1.90-1.90-2.00	100MM
MFG-1521	0.03-1.00	22	0.03-0.04-0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100MM
MFG-1522	0.03-1.00	26	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100MM
MFG-1523	0.03-1.00	32	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.12-0.15-0.18-0.20-0.23-0.25-0.28-0.30-0.32-0.35-0.38-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1.00	100MM
MFG-1524	0.03-3.00	13	0.03-0.04-0.05-0.06-0.07-0.08-0.09-0.10-0.20-0.30-1.00-2.00-3.00	100MM
MFG-1525	0.03-0.50	10	0.03-0.04-0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50	100MM
INCHES				
MFG-1526	0.0015"-0.025"	10	0.0015-.002-003-004-006-008-.010-.012-.015-.025	
MFG-1527	0.0002"-0.025"	13	0.002-.003-.004-.005-.006-.008-.010-.012-.014-.016-.018-.020-.025	
MFG-1528	0.002"-0.035"	13	0.002-.003-.004-.005-.006-.008-.010-.012-.015-.020-.025-.030-.035	
MFG-1529	0.002"-0.035"	20	0.002-.003-.004-005-006-007-008-.009-.010-.011-012-014-015-016-018-.020-022-024-030-.035	
MFG-1530	0.0015"-0.025"	26	0.0015-.002-0025-003-004-005-006-007-008-.009-.010-.011-012-013-014-015-016-2017-2018-.019-020-.021-022-.023-.024-.025	
MFG-1531	0.0015"-0.025"	26	0.0015-.002-.0025-003-004-005-006-007-008-.009-.010-.011-.012-.013-014-015-016-017-018-.019-0.20-.021-.022-023-.024-.025	
MFG-1532	0.0015"-0.025"	26	0.0015-.002-.0025-.003-004-005-006-007-008-.009-.010-.011-012-013-014-015-016-017-.018-019-020-.021-.022-.023-.024-.025	

## RADIUS GAUGE/ WELD GAUGE

ITEM NO	RANGE	NO OF LEAVES
<b>MRG-1533</b>	3,3.5,4,4.5,5,5.5,6,6.5,7,8,10 & 12MM	12

- MANUFACTURED FROM MILD STEEL.
- FOR MEASURING RIGHT ANGLE WELDS.
- 3-12MM(1 COMPLETE SET)



## RADIUS GAUGE RING TYPE

ITEM NO	RANGE	NO OF LEAVES
<b>MRG-1534</b>	1/32 TO 17/64 BY 1/64"	16
<b>MRG-1535</b>	9/32 TO 33/64 BY 1/64"	16
<b>MRG-1536</b>	0.75 TO 5 BY 0.25MM	18
<b>MRG-1537</b>	5.5 TO 13 BY 0.5MM	16
<b>MRG-1538</b>	3 TO 12MM BY 1MM	12

- Constructed from good quality steel.
- Packed in Attractive PVC Jacket.
- The ring type style allows the user to check the dimensions in an easier manner for both concave & convex radii.



## RADIUS GAUGES

ITEM NO	RANGE	NO OF LEAVE
<b>MRG-1539</b>	1/32" TO 1/4" BY 1/64"	30
<b>MRG-1540</b>	17/64 TO 1/2" BY 1/64"	32
<b>MRG-1541</b>	1 TO 7MM	34
<b>MRG-1542</b>	7.5 TO 15MM	32
<b>MRG-1543</b>	15.5 TO 25MM	30
<b>MRG-1544</b>	0.75 TO 5MM BY 0.25MM	18
<b>MRG-1545</b>	5.5 TO 13MM BY 0.5MM	16

- Constructed from good quality steel.
- Each and every leaf is properly marked with size.
- Packed in attractive PVC Jacket.



## DIAMOND THICKNESS GAUGES

ITEM NO	SIZE/MM
<b>MDT-1546</b>	0-10
<b>MDT-1547</b>	0-15

- SPRING ACTION BETWEEN BOTH THE LEGS.
- VERY USEFUL TOOL FOR MEASURING THE THICKNESS OF SMALL THINGS.

## MULTI USE RULE & GAUGE

ITEM NO

MMR-1548



## SPRING CALIPERS – FLAT LEG



## SPRING CALIPERS – SQUARE LEG



DIVIDER ITEM NO	INSIDE ITEM NO	OUTSIDE ITEM NO	NOMINAL LENGTH	
			INCH	MM
MSC-1549D	MSC-1549I	MSC-1549O	3	75
MSC-1550D	MSC-1550I	MSC-1550O	4	100
MSC-1551D	MSC-1551I	MSC-1551O	5	125
MSC-1552D	MSC-1552I	MSC-1552O	6	150
MSC-1553D	MSC-1553I	MSC-1553O	8	200
MSC-1554D	MSC-1554I	MSC-1554O	10	250
MSC-1555D	MSC-1555I	MSC-1555O	12	300
MSC-1556D	MSC-1556I	MSC-1556O	18	450
MSC-1557D	MSC-1557I	MSC-1557O	24	600
MSC-1558D	MSC-1558I	MSC-1558O	36	900
MSC-1559D	3 PC SET OF 4" DIVIDER, INSIDER & OUTSIDER			
MSC-1560D	3 PC SET OF 6" DIVIDER, INSIDER & OUTSIDER			
MSC-1561D	3 PC SET OF 8" DIVIDER, INSIDER & OUTSIDER			

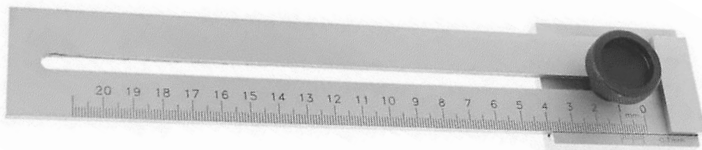
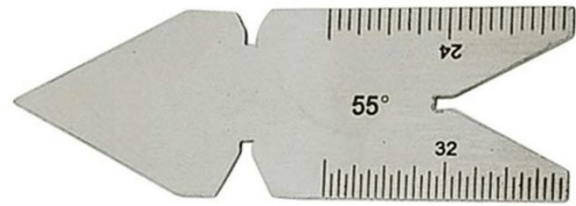
- Made of good quality carbon steel & finally polished legs
- Comes with quick action release nut & rivets
- All points are heat treated to give accurate measurements
- Any other sets can also be supplied on request.

DIVIDER ITEM NO	INSIDE ITEM NO	OUTSIDE ITEM NO	NOMINAL LENGTH	
			INCH	MM
MSC-1562D	MSC-1562I	MSC-1562O	3	75
MSC-1563D	MSC-1563I	MSC-1563O	4	100
MSC-1564D	MSC-1564I	MSC-1564O	5	125
MSC-1565D	MSC-1565I	MSC-1565O	6	150
MSC-1566D	MSC-1566I	MSC-1566O	8	200
MSC-1567D	MSC-1567I	MSC-1567O	10	250
MSC-1568D	MSC-1568I	MSC-1568O	12	300
MSC-1569D	MSC-1569I	MSC-1569O	18	450
MSC-1570D	MSC-1570I	MSC-1570O	24	600
MSC-1571D	MSC-1571I	MSC-1571O	36	900
MSC-1572D	3 PC SET OF 4" DIVIDER, INSIDER & OUTSIDER			
MSC-1573D	3 PC SET OF 6" DIVIDER, INSIDER & OUTSIDER			
MSC-1574D	3 PC SET OF 8" DIVIDER, INSIDER & OUTSIDER			

- Made of good quality carbon steel.
- Comes with quick action release nut & rivets
- Points are heat treated to give accurate measurements.
- Very Accurate tool for engineers to use in tool room
- Any other setts can also be supplied on request.

### CENTER GAUGES

ITEM NO	DESCRIPTION
MCG-1575	AMERICAN UNIFIED NATION STANDARD 60°
MCG-1576	°HITWORTH OR ENGLISH STANDERD 55°
MCG-1577	° PC SET OF ABOVE TWO



### MARKING GAUGES

ITEM NO	RANGE
MMG-1578	200MM/8"
MMG-1579	250MM/10"
MMG-1580	300MM/12"

- Graduations are properly etched to give accurate measurements.
- Scale manufactured of Stainless Steel.
- Marking edge with metric graduations.

### SPRING DIVIDER INTERCHANGEABLE POINTS

ITEM NO	SIZE	
	INCH	MM
MSD-1581	3	75
MSD-1582	4	100
MSD-1583	5	125
MSD-1584	6	150
MSD-1585	7	175
MSD-1586	8	200
MSD-1587	10	250
MSD-1588	12	300
MSD-1589	20	500

- MANUFACTURED FROM FORGED STEEL.
- THICK SQUARE LEGS.
- QUICK RELEASE NUT.



### FIRM JOINT CALIPERS & DIVIDERS

DIVIDER ITEM NO	INSIDE ITEM NO	OUTSIDE ITEM NO	NOMINAL LENGTH	
			INCH	MM
MFJ-1590D	MFJ-1590I	MFJ-1590O	4	100
MFJ-1591D	MFJ-1591I	MFJ-1591O	6	150
MFJ-1592D	MFJ-1592I	MFJ-1592O	8	200
MFJ-1593D	MFJ-1593I	MFJ-1593O	10	250
MFJ-1594D	MFJ-1594I	MFJ-1594O	12	300
MFJ-1595D	MFJ-1595I	MFJ-1595O	16	400
MFJ-1596D	MFJ-1596I	MFJ-1596O	18	450
MFJ-1597D	MFJ-1597I	MFJ-1597O	20	500
MFJ-1598D	MFJ-1598I	MFJ-1598O	24	600
MFJ-1599D	MFJ-1599I	MFJ-1599O	32	800
MFJ-1600D	MFJ-1600I	MFJ-1600O	36	900
MFJ-1601D	3 PC SEIT OF 4" DIVIDER,INSIDER & OUTSIDER			
MFJ-1602D	3 PC SET OF 6" DIVIDER,INSIDER & OUTSIDER			
MFJ-1603D	3 PC SET OF 8" DIVIDER,INSIDER & OUTSIDER			

- CONSTRUCTED FROM FLAT MILD STEEL.
- RIVETED HEAD TO GIVE RIGID POSITION WITHOUT PLAY.
- TENSION CAN BE EASILY ADJUSTED AS DESIRED.
- ANY OTHER SETS CAN ALSO BE SUPPLIED ON REQUEST.

### WOODWORKING CALLIPERS

- Woodturner's calipers which allow the measurement of internal and external diameters as well as the ability to measure wall thickness.
- A reading at one end is accurately transferred to the other end

ITEM NAME	ITEM OF NAME	SIZE	
		INCH	MM
<b>MWC-1604D</b>	Double Ended Outside	7	175
<b>MWC-1605i</b>	Inside & Outside	9	225
<b>MWC-1606i</b>	Inside & Outside	7	175
<b>MWC-1607i</b>	Inside & Outside	4	100
<b>MWC-1608D</b>	Double Ended Outside	6	150
<b>MWC-1609D</b>	Double Ended Outside	6	150
<b>MWC-1610i</b>	Inside & Outside	8	200
<b>MWC-1611i</b>	Inside & Outside	10	250
<b>MWC-1612i</b>	Inside & Outside	12	300



### WOODWORKING CALLIPERS BRASS Wing Nut

- Woodturner's calipers which allow the measurement of internal and external diameters as well as the ability to measure wall thickness.
- A reading at one end is accurately transferred to the other end

ITEM NAME	ITEM OF NAME	SIZE	
		INCH	MM
<b>MWC-1613D</b>	Double Ended	4	100
<b>MWC-1614i</b>	Inside & Outside	6	150
<b>MWC-1615D</b>	Double Ended	7	175
<b>MWC-1616i</b>	Inside & Outside	8	200
<b>MWC-1617i</b>	Inside & Outside	9	225
<b>MWC-1618D</b>	Double Ended	7	175



### SPRING CALLIPERS & DIVIDERS PREMIUM QUALITY

Professional Grade dividers and calipers with rugged construction.

- Used for checking dimensions with rule, Vernier or micrometer and transferring measurements carbon steel legs.
- Hardened and ground measuring points hardened to 35 HRS.
- Quick spring Nut for making quick positive adjustments.
- Chrome Plated Fittings and Black Finish.
- Also available in any color Powder Coating.



DIVIDER ITEM CODE NO.	INSIDE CALLIPERS ITEM CODE NO	OUTSIDE CALLIPERS ITEM CODE NO	SIZE	
			INCH	MM
<b>MSC-1619D</b>	<b>MSC-1620i</b>	<b>MSC-1620O</b>	4	100
<b>MSC-1620D</b>	<b>MSC-1620i</b>	<b>MSC-1620O</b>	6	150
<b>MSC-1620D</b>	<b>MSC-1620i</b>	<b>MSC-1620O</b>	8	200
<b>MSC-1620D</b>	<b>MSC-1620i</b>	<b>MSC-1620O</b>	10	250
<b>MSC-1620D</b>	<b>MSC-1620i</b>	<b>MSC-1620O</b>	12	300

## SPRING DIVIDER PENCIL HOLDERS



FLET LEG		SQUARE LEG		SIZE	
SINGLE POINT ITEM NO	DOUBLE POINT ITEM NO	SINGLE POINT ITEM NO	DOUBLE POINT ITEM NO	INCH	MM
MSD-1604S	MSD-1604D	MSD-1609S	MSD-1609I	6	150
MSD-1605S	MSD-1605D	MSD-1610S	MSD-1610I	8	200
MSD-1606S	MSD-1606D	MSD-1611S	MSD-1611I	10	250
MSD-1607S	MSD-1607D	MSD-1612S	MSD-1612I	12	300
MSD-1608S	MSD-1608D	MSD-1613S	MSD-1613I	18	450

- HEAT TREATED AND POLISHED STEEL.
- HARDENED AND TEMPERED SPRING STEEL.
- USES STANDARD PENCIL.

## JENNY / HERMAPHRODITE CALIPERS



ITEM NO #336 SERIES	ITEM NO #334 SERIES	SIZE	
		INCH	MM
MHC-1614	MHC-1619	4	100
MHC-1615	MHC-1620	6	150
MHC-1616	MHC-1620	8	200
MHC-1617	3 PC SET		
MHC-1618	3 PC SET		

- MADE FROM GOOD QUALITY MILD STEEL.
- ADJUSTABLE POINT HELPS TO PERFORM THE JOBS AS REQUIRED.
- USEFUL FOR TESTING CENTERS & DISTANCE FROM THE EDGES.

## WOOD WORKING CALIPERS

ITEM NO	SIZE	
	INCH	MM
MWW-1621	6	150
MWW-1622	8	200
MWW-1623	10	250
MWW-1624	12	300



- PROFESSIONAL QUALITY CALIPER MANUFACTURED FROM QUALITY FINISH.
- POLISHED FINISH.
- HEXAGON SCREW HINGE FOR PRECISE MEASUREMENT.



**WITHOUT WING**



**WITH WING**

## DIVIDERS

ITEM NO WITH WING	ITEM NO WITHOUT WING	NOMINAL SIZE	
		INCH	MM
MDW-1625W	MDW-1625WO	6	150
MDW-1626W	MDW-1626WO	7	175
MDW-1627W	MDW-1627WO	8	200
MDW-1628W	MDW-1628WO	10	250
MDW-1629W	MDW-1629WO	12	300
MDW-1630W	MDW-1630WO	16	400
MDW-1631W	MDW-1631WO	18	450
MDW-1632W	MDW-1632WO	20	500
MDW-1633W	MDW-1633WO	32	800
MDW-1634W	MDW-1634WO	40	1000

- THICK LEG WITH GOOD STEEL & RIVETED.
- VERY EASY TO GRIP THE BODY & TEMPERED.
- HEARDENED & TAMPERED EDGES FOR RIGID JOBS.

## DIVIDER WITH BRASS PENCIL HOLDERS & SCRIBER

ITEM NO	RANGE	
	INCH	MM
MDB-1635	6	150
MDB-1636	10	250
MDB-1637	12	300

- CARBIDE TIPPED SCRIBER INCLUDED.



**TWO POINT**



**ONE POINT**



## DIVIDER WITH PENCIL HOLDERS

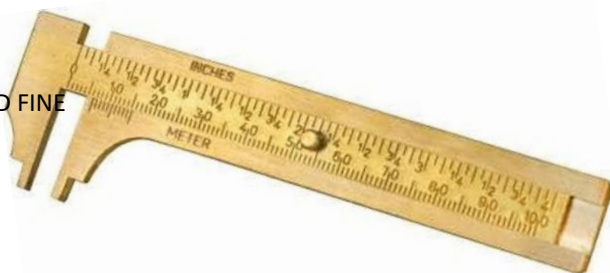
ITEM NO WITH TWO POINTS	ITEM NO WITH ONE POINT	NOMINAL SIZE	
		INCH	MM
MDP-1638W	MDP-1638WO	6	150
MDP-1639W	MDP-1639WO	7	175
MDP-1640W	MDP-1640WO	8	200
MDP-1641W	MDP-1641WO	10	250
MDP-1642W	MDP-1642WO	12	300
MDP-1643W	MDP-1643WO	16	400
MDP-1644W	MDP-1644WO	18	450
MDP-1645W	MDP-1645WO	20	500
MDP-1646W	MDP-1646WO	24	600

- CONSTRUCTED FROM GOOD QUALITY.
- THICK SQUARE LEGS & POLISHED FINISH.
- VERY USEFUL INSTRUMENT FOR TOOL ROOM & STUDENT.
- HARDENED TIPS GIVE ACCURATE RESULTS.

## VERNIER CALIPER BRASS

ITEM NO	SIZE
MVC-1647	60MM/2.5 INCH
MVC-1648	80MM/3 INCH
MVC-1649	100MM/4 INCH

- MADE OF SOLID BRASS. LAZER ETCHED FINE MARKING FOR BETTER REDOUTS.
- GRINDED & MILLED.



## VERNIER CALIPER ROUND JAWS BRASS

ITEM NO	SIZE
MVC-1650	60MM/2.5 INCH
MVC-1651	80MM/3 INCH
MVC-1652	100MM/4 INCH

- MADE OF SOLID BRASS.
- LAZER ETCHED FINE MARKING FOR BETTER REDOUTS.
- GRINDED & MILLED.



## PROFILE DEPTH GAUGE BRASS

ITEM NO	SIZE	OAL
MPD-1653	0-30MM	100MM/4"
MPD-1654	0-50MM	100MM/4"

- MADE OF SOLID BRASS.
- LAZER ETCHED FINE MARKING FOR BETTER REDOUTS.
- GRINDED & MILLED.



## TIRE THREAD FEELER GAUGE-SINGLE POINT BRASS

ITEM NO	SIZE	OAL
MTT-1655	0-50MM	100MM/4"

- MADE OF SOLID BRASS.
- LAZER ETCHED FINE MARKING FOR BETTER REDOUTS.
- GRINDED & MILLED.



## TIRE THREAD FEELER GAUGE-DOUBLE POINT BRASS

ITEM NO	SIZE	OAL
MTT-1656	0-50MM	100MM/4"
MTT-1657	0-60MM	100MM/4"

- MADE OF SOLID BRASS.
- LAZER ETCHED FINE MARKING FOR BETTER REDOUTS.
- GRINDED & MILLED.



## ECONOMY VERNIER CALIPERS

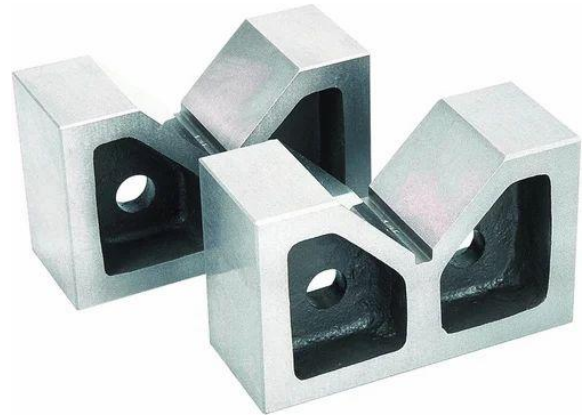
ITEM NO	DESCRIPTION	RANGE	
		INCH	MM
MEV-1658	COLUMBUS TYPE	0-5	0-125
MEV-1659	COLUMBUS TYPE	0-6	0-150

- Handy tool for In, Out and depth measurement.
- Columbus Type features Thumb controlled movement with locking device.
- Precision Type => Thumb controlled ball movement and is Nickel Plated.
- Graduations in Metric & Imperial.



## CAST IRON VEE BLOCKS

- Made from quality casted seasoned steel.
- Supplied in matched pairs.
- The "V" is accurate to 90°.
- Very useful tool for laying out round work & holding it for machining.



ITEM NO	LENGTH		HEIGHT		THICKNESS OF EACH BLOCK		WIDTH OF VEE	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
MCI-1660	2	50	1-1/4	32	1	25	1	25
MCI-1661	3	75	2-3/8	60	1-1/4	32	1-3/4	44
MCI-1662	4	100	2-5/8	65	1-5/8	41	2	50
MCI-1663	5	125	3-1/8	80	2	50	22	50
MCI-1664	6	150	3-1/2	90	2-1/2	63	3-1/4	82
MCI-1665	7	180	4-1/2	115	3	75	3-1/2	90
MCI-1666	8	205	5-1/2	140	4	100	4	100
MCI-1667	10	255	6-5/8	168	5	125	5	125
MCI-1668	12	305	8	205	7	180	6-1/2	165

## METRIC SIZES

ITEM NO WITHOUT CLAMP	MODEL #	ITEM NO WITH CLAMP	MODEL #	DIMENSION			WIDTH ACROSS TOP OF VEE MM	CAPACITY MM
				L	W	H		
MCI-1669W	203	MCI-1669WO	230	50	38	38	30	38
MCI-1670W	203B	MCI-1670WO	230B	75	38	38	30	38
MCI-1671W	210	MCI-1671WO	220	50	38	38	30	38
MCI-1672W	210A	MCI-1672WO	220A	63	47	28	40	50
MCI-1673W	211	MCI-1673WO	221	75	56	31	50	63
MCI-1674W	211A	MCI-1674WO	221A	75	50	50	50	63
MCI-1675W	211B	MCI-1675WO	221B	75	63	38	50	63
MCI-1676W	211C	MCI-1676WO	221C	75	63	63	50	63
MCI-1677W	212	MCI-1677WO	222	100	75	38	70	88
MCI-1678W	212A	MCI-1678WO	222A	100	63	63	70	88
MCI-1679W	212B	MCI-1679WO	222B	100	75	38	70	88
MCI-1680W	212C	MCI-1680WO	222C	100	88	63	70	88
MCI-1681W	212D	MCI-1681WO	222D	100	88	88	70	88
MCI-1682W	213	MCI-1682WO	223	125	88	44	88	110
MCI-1683W	213A	MCI-1683WO	223A	125	75	75	88	110
MCI-1684W	213B	MCI-1684WO	223B	125	100	100	88	110
MCI-1685W	213C	MCI-1685WO	223C	125	125	125	88	110
MCI-1686W	214	MCI-1686WO	224	150	100	50	100	125
MCI-1687W	214A	MCI-1687WO	224A	150	100	100	100	125
MCI-1688W	214B	MCI-1688WO	224B	150	125	125	100	125
MCI-1689W	214C	MCI-1689WO	224C	150	150	150	100	125
MCI-1690W	215	MCI-1690WO	225	175	125	56	125	156
MCI-1691W	216	MCI-1691WO	226	200	150	63	140	175
MCI-1692W	216A	MCI-1692WO	226A	200	150	75	140	175
MCI-1693W	216B	MCI-1693WO	226B	200	150	100	140	175
MCI-1694W	216C	MCI-1694WO	226C	200	150	150	140	175

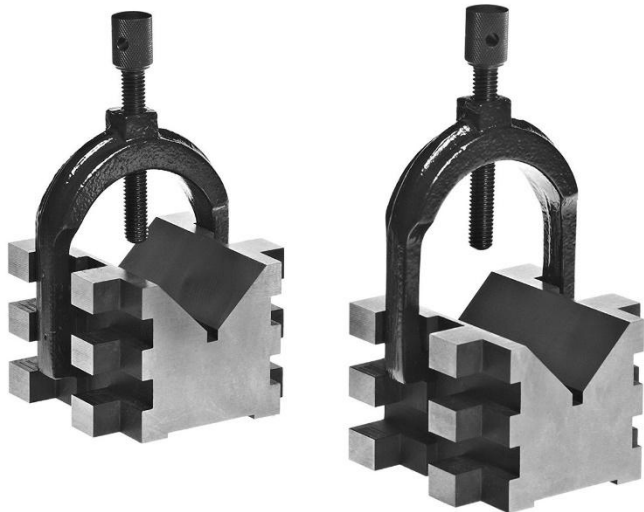
## STEEL VEE BLOCKS



ITEM NO	LENGTH X WIDTH X HEIGHT		CLAMPING CAPACITY	
	INCH	MM	INCH	MM
MSV-1695	1-5/8x1-1/4x1-1/4	40x32x32	1	25
MSV-1696	2x1-1/2x1-1/2	50x38x38	1-1/2	38
MSV-1697	1-3/4x1-5/8x1-3/8	45x40x35	1	25
MSV-1698	2-3/4x1-3/4x1-5/8	70x45x40	1-1/2	38
MSV-1699	2-3/4x2-1/2x1-3/4	70x63x45	1-1/4	32
MSV-1700	2-1/2x2x2	63x50x50	2	50
MSV-1701	3-1/8 x 2-1/2 x 2-1/2	80x63x63	2-1/4	63
MSV-1702	2 x 1-5/8 x 2	50x40x50	1-1/4	30
MSV-1703	3 x 2-1/8 x 2-1/8	75x55x55	2	50
MSV-1704	4x3x3	100x75x75	3-3/4	70
MSV-1705	5 x 3-1/2 x 2-3/4	125x90x70	1-7/8	45

- Supplied in matched pairs.
- Made of best quality steel, hardened throughout.
- Accurately machined & Precision Ground to extreme accuracy.
- Provided with two clamps.
- Each block is aligned with 90° "V".
- Very useful for holding jobs firmly during drilling, milling, grinding & inspection works

## VEE BLOCK STEPPED GROOVE



## TOOLMAKER'S ULTIMATE VEE BLOCKS



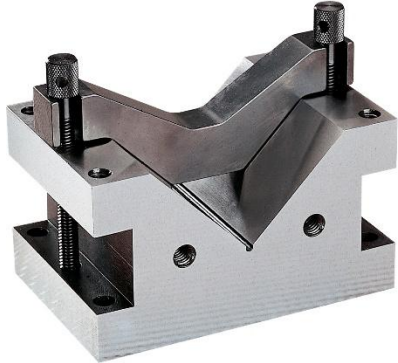
ITEM NO	LENGTH X WIDTH X HEIGHT		CLAMPING CAPACITY	
	INCH	MM	INCH	MM
MTU-1707	3-5/8x1-7/8x1-7/8	92x48x48	1-5/16	33

- Block is hardened & ground.
- Made of alloy steel.
- Provided with one blacodized clamp.
- The design offers greater versatility to this.
- Vee block: capable of being used on base, on end and flat in either sides as the clamp is within the outside width of the block.

ITEM NO	LENGTH X WIDTH X HEIGHT	
	INCH	MM
MVB-1706	2-3/8x2-3/4x2	60x70x50

- Supplied in Matched Pairs.
- Holds both square and round job.
- Clamps Included.
- Side Hole Provided in each clamp to provide clamping from side.

## VERSATILE VEE BLOCK WITH CLAMP

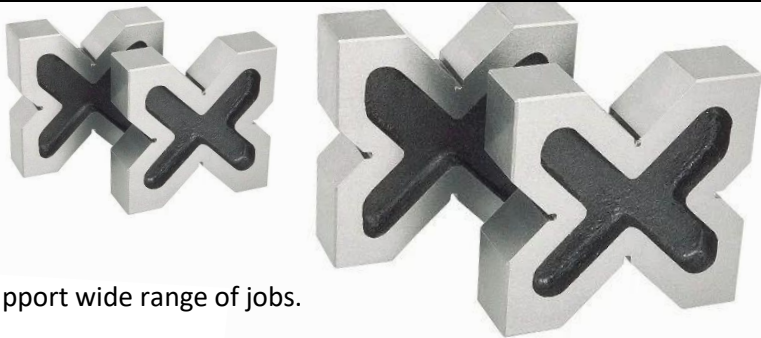


Manufactured from finely selected tool steel fully hardened to 55-60 HRC.

- Supplied complete with 1 top mounting clamp & 2 screws in single piece.
- Supplied complete with 2 blocks, 2 top mounting clamp & 4 screws in pair.
- Can be used either from side, center or the end.

ITEM NO		BLOCK LENGTH		BLOCK WIDTH		BLOCK HEIGHT		CLAMPING CAPACITY	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM
<b>MVV-1708</b>	SINGLE	2-1/2	63	2-1/2	63	2	50	1-5/8	41
<b>MVV-1709</b>	PAIR	2-1/2	63	2-1/2	63	2	50	1-5/8	41
<b>MVV-1710</b>	SINGLE	4	100	3	75	3	75	2-1/4	57
<b>MVV-1711</b>	PAIR	4	100	3	75	3	75	2-1/4	57

## FOUR WAY VEE BLOCKS



- Made from quality casted seasoned steel. Supplied in matched pairs.
- Very useful tool for laying out round work & holding it for machining.
- Each block incorporates 4 different sized V's, therefore support wide range of jobs.

ITEM NO	LENGTH		HRIGHT		THICKNESS OF EACH BLOCK		WIDTH OF VEE	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
<b>MFV-1712</b>	3-3/4	95	2-3/4	70	1-3/8	35	3/4X1-3/16X1-9/16X2	20X30X40X50
<b>MFV-1713</b>	4	100	4	100	1-3/16	30	3/4X1-3/16X1-9/16X2	20X30X40X50
<b>MFV-1714</b>	4-3/4	120	4-3/4	120	1-3/8	35	1-3/16X1-9/16X2X2-3/8	30X40X50X60
<b>MFV-1715</b>	4-3/4	120	4-3/4	120	2-3/8	60	1-3/16X1-9/16X2X2-3/8	30X40X50X60
<b>MFV-1716</b>	6	150	6	150	3	75	1-9/16X2X2-3/8X2-3/4	40X50X60X70
<b>MFV-1717</b>	8	200	8	200	4	100	2-3/8X2-3/4X3-5/32X4	60X70X80X100

## VEE BLOCKS – NON PROTRUDING

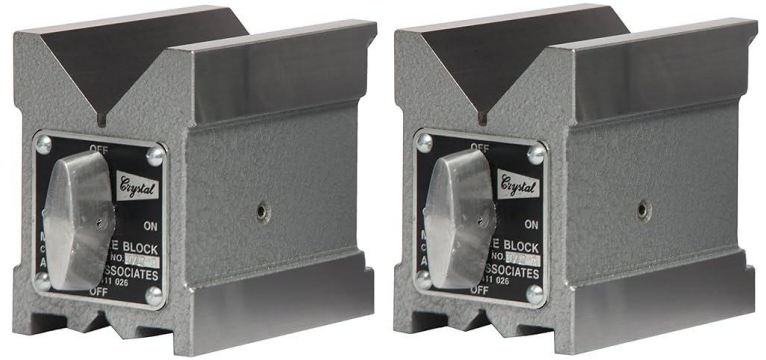


ITEM NO	LENGTH X WIDTH X HRIGHT			CLAMPING CAPACITY	
	INCH		MM	INCH	MM
<b>MVB-1718</b>	2-3/4X2-1/2X1-3/4		70X63X45	1-1/2	38
<b>MVB-1719</b>	4-7/8X3-1/2X2-3/4		125X88X70	2-1/8	54

- Supplied in matched pairs.
- Made of best quality steel, hardened throughout up to 55-60 HRC. Accurately machined & Precision Ground to extreme accuracy.
- Each block is aligned with 90° "V".
- Sturdy type clamp allows the blocks to be used on the side faces including to the base. Provided with two-blacodized clamp.

## MAGNETIC VEE BLOCKS

- SUPPLIES IN MATCHED PAIR IN FINE FINISHED WOODEN BOX,
- SURFACE IS PRECISION GROUND.
- THE STRONG MAGNETE IS CONTROLLED BY ON / OFF SWITCH.

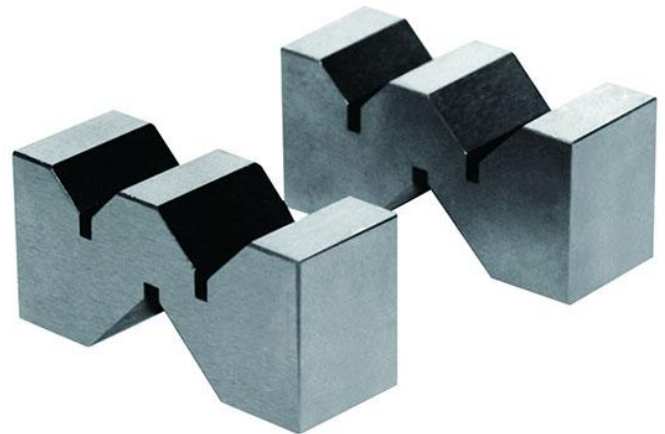


ITEM NO SINGLE	ITEM NO PAIR	LENGTH		WIDTH		HEIGHT		BIG V		SMALL V	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
<b>MMV-1720S</b>	<b>MMV-1720P</b>	2-1/2	70	2-1/8	54	2-7/8	73	1-1/2	38	3/4	19
<b>MMV-1721S</b>	<b>MMV-1721P</b>	4	100	2-3/4	70	3-3/4	95	2	50	3/4	19
<b>MMV-1722S</b>	<b>MMV-1722P</b>	6	150	3	75	3-3/4	95	2-1/4	55	1	25

## TRIPLE VEE BLOCKS

ITEM NO	LENGTH	WIDTH	HEIGHT	SUITABLE FOR DIS.
	MM	MM	MM	MM
<b>MTV-1723</b>	50	20	14	5-33
<b>MTV-1724</b>	75	24	35	6-45
<b>MTV-1725</b>	100	33	52	8-60
<b>MTV-1726</b>	125	44	69	8-75

- MANUFACTURED FROM STEEL.
- EVERY ANGLE 90°.
- MATCHED PAIR.



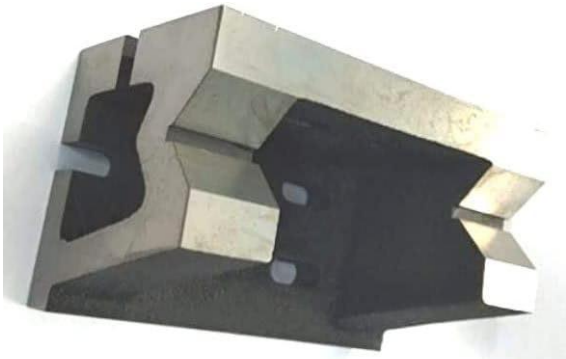
## ELONGATED VEE BLOCKS

ITEM NO	L X W X H MM	V CAPACITY MM
<b>MEV-1727</b>	75X40X30	5-40
<b>MEV-1728</b>	100X47X40	5-55
<b>MEV-1729</b>	150X55X45	5-60
<b>MEV-1730</b>	200X65X55	5-75

- All sides precision ground parallel and square.
- "V" Grooves ground central & parallel and square.
- Perfect alignment in matched pair.
- Holds the square and round work.
- Elongated 'V' Blocks are suitable for marking checking, Drilling and milling



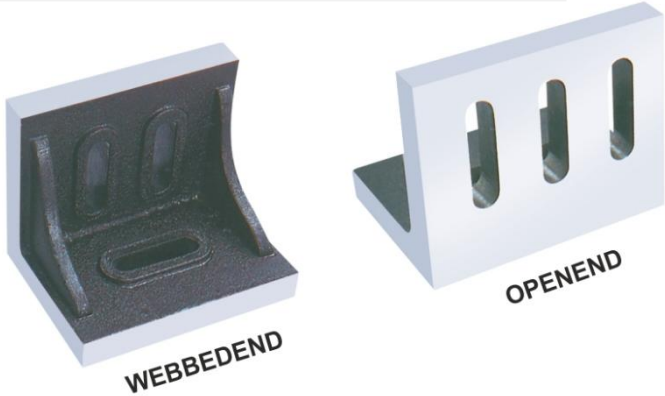
## V – ANGLE PLATE / VEE BLOCK



ITEM NO	L X W X H INCH
MVA-1731	3" X 3" X 5"
MVA-1732	4" X 4" X 6"
MVA-1733	5" X 5" X 7"
MVA-1734	6" X 6" X 8"

- MANUFACTURED FROM GOOD QUALITY SEASONED CASTING.
- COMBINED VEE BLOCK & ANGLE PLATE.

## CAST IRON SLOTTED ANGLE PLATES



ITEM NO OPEN END	ITEM NO WEBBED END	LENGTH		WIDTH		HEIGHT	
		INCH	MM	INCH	MM	INCH	MM
MCI-17370	MCI-1737W	3	75	2-1/2	63	2	50
MCI-17380	MCI-1738W	3-1/2	90	3	75	2-1/2	63
MCI-17390	MCI-1739W	4-1/2	115	3-1/2	90	3	75
MCI-17400	MCI-1740W	6	150	5	125	4-1/2	115
MCI-17410	MCI-1741W	7	175	5-1/2	140	4-1/2	115
MCI-17420	MCI-1742W	8	200	6	150	5	125
MCI-17430	MCI-1743W	9	225	7	175	6	150
MCI-17440	MCI-1744W	10	250	8	200	6	150
MCI-17450	MCI-1745W	12	300	9	225	8	200

- Manufactured from good quality seasoned casting.
- Properly hardened & ground from all the sides.
- Properly Machined 90° Square.

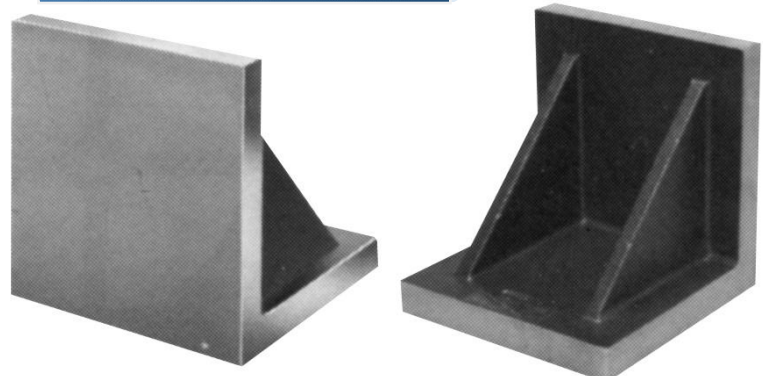
## STEP ANGLE PLATES



HARDENED AND PRECISION GROUND.  
TAPPED HOLES FOR CLAMPING JOBS IN ANY POSITION.

ITEM NO	SIZE		SPECIFICATION OF TAPPED HOLES
	INCH	MM	
MSA-1735	3X3X3	75X75X75	1/4"BSW(6MM)
MSA-1736	4X4X4	100X100X100	5/16"BSW(8MM)

## SOLID ANGLE PLATES



ITEM NO	NO OF RIBS	SIZE	
		INCH	MM
MSA-1746	0	1X1X1X1	25X25X25
MSA-1747	1	2X2X2	50X50X50
MSA-1748	1	3X3X3	75X75X75
MSA-1749	1	4X4X4	100X100X100
MSA-1750	1	5X5X5	125X125X125
MSA-1751	1	6X6X6	150X150X150
MSA-1752	2	8X8X8	200X200X200
MSA-1753	2	10X10X10	250X250X250
MSA-1754	2	12X12X12	300X300X300

- Constructed from good quality seasoned casting.
- Properly hardened & ground from all the sides.
- Properly Machined 90° Square.
- Precision ground sides & ends.

## SURFACE PLATES / CAST IRON – BOX TYPE



ITEM NO	LENGTH		WIDTH	
	INCH	MM	INCH	MM
MSP-1755	12	300	8	200
MSP-1756	12	300	12	300
MSP-1757	18	450	12	300
MSP-1758	18	450	18	450
MSP-1759	24	600	18	450
MSP-1760	24	600	24	600
MSP-1761	36	900	24	600
MSP-1762	30	750	30	750
MSP-1763	36	900	36	900
MSP-1764	48	1200	36	900

- Manufactured from superior quality seasoned cast iron.
- Top surface is thick & solid.
- Used for checking parallelism & angels.
- Used to mount up optical gauging systems in workshops.
- Also available stands for corresponding sizes.
- Bigger & other sizes are manufactured on request.

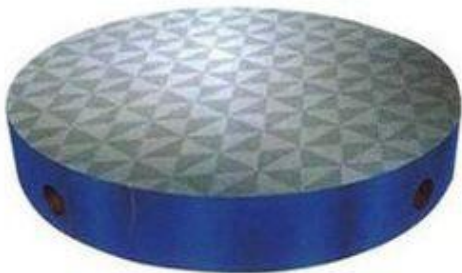
## SURFACE PLATES / GRANITE



ITEM NO	LENGTH	WIDTH
	MM	MM
MSP-1765	250	250
MSP-1766	400	250
MSP-1767	400	400
MSP-1768	630	400
MSP-1769	630	630
MSP-1770	1000	630
MSP-1771	1000	1000
MSP-1772	1600	1000
MSP-1773	2000	1000

- Manufactured from superior quality granite.
- Used for checking parallelism & angels.
- Used to mount up optical gauging systems in workshops.
- Also available stands for corresponding sizes.
- Bigger & other sizes are manufactured on request.

## SURFACE PLATES / CAST IRON - ROUND



ITEM NO	DIA. X THICKNESS
	MM
MSP-1774	50X30
MSP-1775	75X30
MSP-1776	100X30
MSP-1777	125X30
MSP-1778	150X40
MSP-1779	200X40
MSP-1780	250X50
MSP-1781	300X60

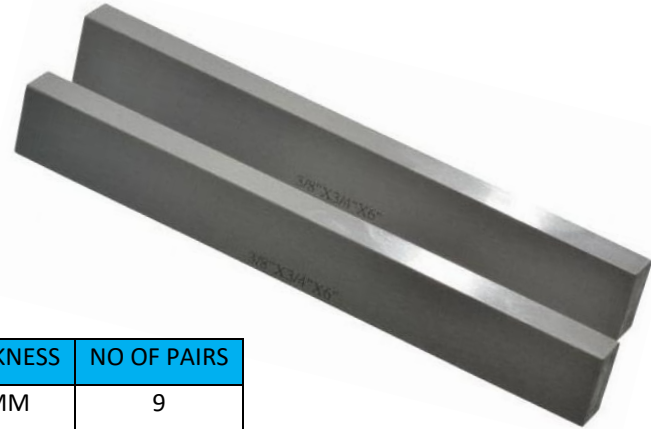
## WAVY PARALLEL SET OF 8 PAIR



ITEM NO	LENGTH	HEIGHT
MWP-1782	110MM	9,11,13,15,17,19,21 & 23MM
MWP-1783	110MM	25,27,29,31,33,35,37 & 39MM

## ENGINEER'S STEEL PARALLELS & SETS

- Very useful for Milling & drilling.
- Made from alloy steel.
- Properly hardened & ground.
- Very useful in tool rooms for inspection, measuring, laying off & setup jobs.
- Supplied in matched pairs.
- Sets Supplied in fine finished wooden Box.



ITEM NO	LENGTH	HEIGHT	THICKNESS	NO OF PAIRS
MES-1784	100MM	10-14-18-22-26-30-34-38-42MM	4MM	9
MES-1785	160MM	10-14-18-22-26-30-34-38-42MM	4MM	9
MES-1786	120MM	14-16-18-20-22-24-26-28-30-32-35-40MM	10MM	12
MES-1787	150MM	14-16-18-20-22-24-26-28-30-32-35-40-45MM	10MM	14

## ENGINEER'S SCRIBERS

### A).SCRIBER (MARKING KNIFE SCRIBER)



- ITEM CODE NO. MES-1801S
- Made from Tool Steel, both end hardened.
- One end chisel.
- Overall Length 7" (175 mm).

### B).POCKET SCRIBER



- ITEM CODE NO. MES-1802P
- Replaceable hardened and center less ground point.
- Point reverses into knurled body for safety.
- Overall Length 5-7/8" (147 mm).

### C).SINGLE POINT SCRIBER ITEM NO MES-1803S



### D).TWO POINT SCRIBER



- ITEM NO. MES-1804T
- This scriber consists of short straight and short end points.
- Overall Length 9" (225 mm).

### E).THREE POINT SCRIBER

ITEM CODE NO. MES-1805T

- Steel knurled body, with three interchangeable threaded points, Short Straight, Short bent and Long bent.
- Overall Length of tool with two short point is 9" (225 mm) and with one short and one long point is length 12" (300 mm).



### F).CARBIDE SCRIBER (ITEM NO-MES-1805C)



- Can be used on hard surfaces.
- Long life, fixed points. 6" Long.
- Available in Plastic and Steel body.

### G).DOUBLE ENDED SCRIBER (ITEM NO-MES-1806D)



- TWISTED BODY FOR FIRM GRIP.
- MADE FROM TOOL STEEL
- OVERALL LENGTH 6-1/2" (165MM)

### H). SINGLE POINT SCRIBER – HEAVY DUTY



- ITEM NO MES-1807S
- HEAVY DUTY KNURL BODY
- OVERALL LENGTH 7"

## ENGINEER'S STEEL PARALLERLS & SETS

ITEM NO	LENGTH	HEIGHT	THICKNESS	NO OF PAIR
MES-1804	6"	½", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2" & 1.5/8"	1/8"	10
MES-1805	3"	½", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2" & 1.5/8"	1/8"	10
MES-1806	6"	1/2" TO 1.11/16" IN 1/16" STEP	1/32"	20
MES-1807	1.1/2"	1/8", 5/32", 3/16", 7/32", .1/4", 9/32", 5/16", 11/32", & 3/8"	1/16"	9
MES-1808	4"	½", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2" & 1.5/8"	1/8"	10
MES-1809	5"	½", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2" & 1.5/8"	1/8"	10



- HARDENED & GROUND ALLOY STEEL MANUFACTURING.
- MATCHED PAIRS.
- HARDNESS BETWEEN 50-58 HRC.



## V SINE BAR

ITEM NO	LENGTH	WIDTH
MVS-1810	5"	1-1/4"

- HARDENED & GROUND.
- CLAMP INCLUDED.
- ACCURATE TO .0005".1" ROUND CAPACITY.

## SINE BAR

ITEM NO	MODEL NO	WIDTH	DISTANCE BETWEEN ROLLER
MSB-1811	AA	15/16"	5"
MSB-1812	AA	1"	10"
MSB-1813	BB	1"	2-1/2"
MSB-1814	BB	1"	5"
MSB-1815	CC	30MM	100MM
MSB-1816	CC	30MM	200MM
MSB-1817	DD	7/32"	3"



- Made of high quality alloy steel.
- Distance between center of rolls +-.004".
- Very useful tool for measurements & angular inspection.

## TOOLMAKERS SURFACE MARKING GAUGE



ITEM NO	BASE DIMENSTION LXWXH		LENGTH OF SPINDLE		DIAMENTION OF SPINDLE	
	INCH	MM	INCH	MM	INCH	MM
<b>MTS-1818</b>	3-1/4X2-1/2X1	82X63X25	9	225	3/8	9.5
<b>MTS-1819</b>	3-1/4X2-1/2X1	82X63X25	12	300	3/8	9.5
<b>MTS-1820</b>	2-3/16X1-5/8X3/4	55X40X20	4 & 7	100 & 175	1/4	6.25
<b>MTS-1821</b>	3-1/4X2-1/2X1	82X63X25	9 & 12	225 & 300	3/8	9.5
<b>MTS-1822</b>	4X3-1/2X1-1/8	100X90X30	12 & 18	300 & 450	3/8	9.5

- Fully hardened and ground base, which serves as an accurate reference surface.
- Adjustable Spindle with scriber that can be rigidly secured at any position on the spindle.
- Can be used on flat or round surfaces.
- Vee groove in the base allows the gauge to be used conveniently on curved or cylindrical surfaces.
- Having fine adjustment and hard scriber point



## SURFACE GAUGE ROUND FIXED BASE

ITEM NO	DIAMETER OF BASE		LENGTH OF SPINDLE	
	INCH	MM	INCH	MM
<b>MSG-1823</b>	2-7/8	72.5	12	300

- Round fixed base manufactured from good quality casting
- Chromed spindle for shiny finish.
- Scribes are properly hardened and blackodized.

## WIGGLER & CENTER FINDER SET



ITEM NO  
**MWC-1824**

- Very useful tool for locating application points on Milling & other machines.
- Set consists of wiggler chuck, ball contact attachment, disc contact attachment needle point attachment & offset indicator holder.
- Comes in an attractive flap on PVC jacket.

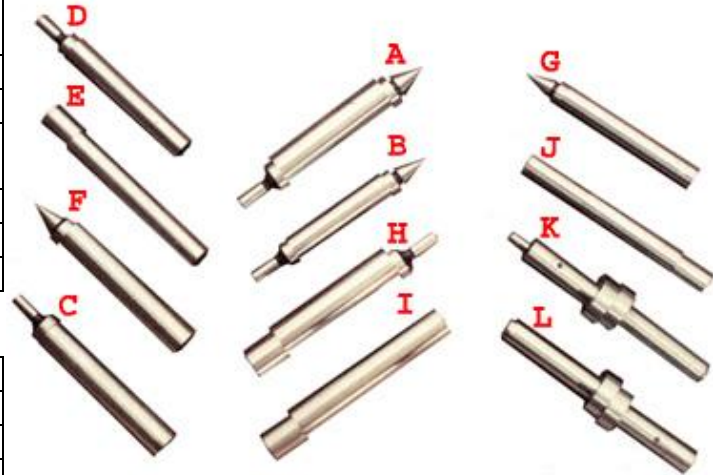
## O RING HOOK & SCRIBE 2 PC SET



ITEM NO	DESCRIPTION
<b>MOR-1825</b>	<ul style="list-style-type: none"> <li>• Knurled Center Grips.</li> <li>• Hardened Tips.</li> <li>• Used for retrieving Small Parts, Nuts &amp; Washers etc.</li> <li>• O Ring &amp; Seal Pick For Easy Removing &amp; Installing.</li> </ul>

## EDGE & CENTER FINDER

ITEM NO	SHANK DIAMETER	TIP DIAMETER	DESCRIPTION
MEC-1826A	1/2"	.2000" & .5000"	COMBINATION EDGE AND CENTER FINDER
MEC-1827B	3/8"	.2000" & .3730"	COMBINATION EDGE AND CENTER FINDER
MEC-1828C	1/2"	.3750"	EDGE FINDER SINGLE END
MEC-1829D	3/8"	.5000"	EDGE FINDER SINGLE END
MEC-1830E	1/2"	.5000"	PLAIN EDGE FINDER SINGLE END
MEC-1831F	1/2"	.2000"	CENTER FINDER SINGLE END
MEC-1832G	3/8"	.2000"	CENTER FINDER SINGLE END
MEC-1833H	1/2"	.2000"	EDGE FINDER SINGLE END
<b>METRIC SIZES</b>			
MEC-1834i	12MM	12MM	PLAIN EDGE FINDER
MEC-1835J	10MM	5MM	PLAIN EDGE FINDER
MEC-1839K	10MM	4MM	Z TYPE EDGE FINDER
MEC-1840L	10MM	10MM	Z TYPE EDGE FINDER



## EDGE & CENTER FINDER SETS

ITEM NO 1841

ITEM NO 1842

ITEM NO 1843



- USEFUL INSPECTION TOOL FOR FAST & EFFICIENT DIMENSIONAL INSPECTION ON PRODUCTION PARTS.

## Z TYPE EDGE FINDER

ITEM NO	SHANK DIAMETER	TIP DIAMETER	DESCRIPTION
MZT-1844	10MM	4MM	EDGE FINDER
MZT-1845	10MM	10MM	EDGE FINDER



- USEFUL INSPECTION TOOL FOR FAST & EFFICIENT DIMENSION INSPECTION ON PRODUCTION PARTS.

### ENGINEER'S MEASURING & MAKING 11 PC

ITEM NO

MEM-1846

- A useful set for measuring having a versatile combination. A must in every workshop.
- Set Contains:
- Protractor cum Depth Gauge
- Steel Rule 6"
- Brass Vernier 4"
- Spring Caliper Divider 4"
- Screw Cutting Gauge
- Thread Pitch Gauge – Combined
- Precision Steel Square 6"
- Automatic Center Punch
- Universal Gauge
- Pocket Scriber
- Bore Gauge (1mm -16mm)
- Packed in attractive wooden box.



### CENTER SQUARE SET 6 PC

ITEM NO

MCS-1847

- Consists of: -
- 1 off Engineer's Square 50mm/2".
- 1 off Engineer's Square 100mm/4".
- 1 off Engineer's Square 150mm / 6".
- 1 off Single end Aluminium Scriber. 1 off Center finder Square 38mm/1.1/2".
- 1 off Steel Rule 150mm / 6".

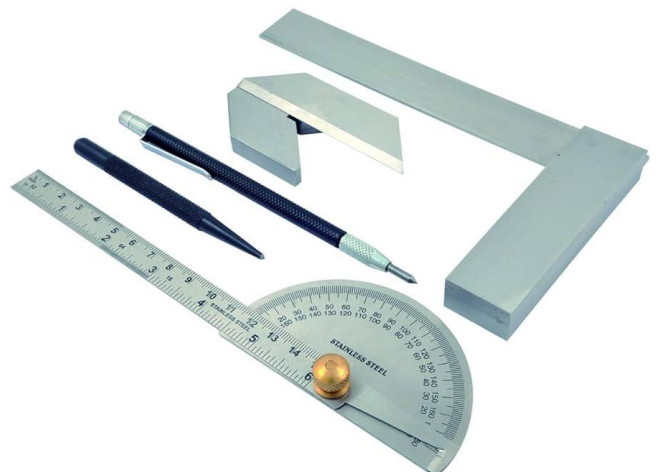


### MEASURING AND MARKING SET 5PC

ITEM NO

MMM-1848

- 1 off Engineer's Square 6" / 150mm.
- 1 off Center finder square 1-1/2" / 38mm.
- 1 off Carbide Magnetic Scriber.
- 1 off Center Punch.
- 1 off Stainless Steel Protractor.



### TRAMMEL HEAD SET (SMALL & BIG)

ITEM NO.	BEAM WIDTH	POINTS	MATERIAL	APPLICATION
BTH-2849	10–32mm	1 Hardened Point + 1 Pencil Holder	Heavy Duty Metal Body	Layout & Marking
BTH-2850		1 Hardened Point + 1 Pencil Holder	Heavy Duty Metal Body	Layout & Marking

- Hardened & Ground Steel Points
- Strong Locking Screw Mechanism
- Suitable for Beam Compass Application
- Pencil Not Included



## PRECISION STEEL SQUARES SETS (4 Pcs.)

ITEM NO | MPS-1891

Very useful for setting up equipment.

- A must in every workshop.
- Duly packed in Wooden Box Packing.

**SET CONTAINS (Set of 4 Pcs.)**

- Precision Steel Square 2".
- Precision Steel Square 3".
- Precision Steel Square 4".
- Precision Steel Square 6".



## ENGINEER'S PRECISION SETS (6 PCS.)

ITEM NO | MEP-1892

A must in every workshop.

- Duly packed in Wooden Box Packing.

**SET CONTAINS (Set of 6 Pcs.)**

- Angular Depth Gauge 6" / 150 mm
- Vernier Calliper 5" / 125 mm
- Divider – Spring Calliper – Black Powder Coated – 6" / 150 mm
- Inside – Spring Calliper – Black Powder Coated – 6" / 150 mm
- Outside – Spring Calliper – Black Powder Coated – 6" / 150 mm
- Pocket Rule – Stainless Steel – 6" / 150 mm



## CENTER SQUARE & PRECISION SQUARE KIT

ITEM NO | MCS-1893

- Center Squares and Precision Squares Kit
- An ideal precision square set very useful for setting up equipment.
- A must in every workshop.
- Set Contains:
  - Precision Steel Square 6"
  - Precision Steel Square 4"
  - Precision Steel Square 2"
  - Centre Square
  - Stainless Steel Rule
  - Pocket Scriber
- Packed in attractive wooden box



### CENTER SQUARE & PRECISION SQUARE SET

ITEM NO MCS-1894

- Center Squares and Precision Squares Sets
- An ideal precision square set very useful for setting up equipment. A must in every workshop.
- Set Contains:
  - Precision Steel Square 2"
  - Precision Steel Square 4"
  - Precision Steel Square 6"
  - Centre Square 1-1/2"
  - Pocket Scriber
  - Automatic Center Punch
- Packed in attractive wooden box



### PRECISION TOOL SET

ITEM NO MCS-1895

- Precision Tools Sets
- Set Contains:
  - Multipurpose Angle Protractor
  - Center Finder for Round Bar
  - Center Square 1-1/2" (38mm)
  - Center Square 3" (75mm)
  - Tap Guide – Spring Center
  - Tap Guide – Spring Loaded
  - Carbide Scriber Pen
  - Engineer Depth Gauge
  - Automatic Center Punch
  - Pocket Rule 6"
  - Steel Rule 6"
- Packed in attractive wooden box



### EDGE & CENTER FINDER SET

ITEM NO MEC-1896

- Edge & Center Finder Sets
- Edge & Center Finders are time saving positioning tools for use in Jig Boring, Milling Machines etc.
- 5 Piece Edge Finder Set Hardened Steel made of Tool Steel – Body and contacts both.
- Hardened, Ground and Lapped to close tolerances for diameter and concentricity.
- Cone Double End 1/2" x 3/16" Single End 3/8" x 3/16"
- Helps to quickly locate working edges, shoulders, grooves, center points and scribe lines.
- Packing in attractive wooden box.



## ADJUSTABLE HAND REAMERS

ITEM NO	AMERICAN SIZE	INDUSTRIL CODE	RANGE		NO OF BLADE
			INCH	MM	
MAH-1849	8/A	HV	1/4 to 9/32	6.35 to 7.14	4
MAH-1850	7/A	HW	9/32 to 5/16	7.14 to 7.94	4
MAH-1851	6/A	HZ	5/16 to 11/32	7.94 to 8.73	4
MAH-1852	5/A	HY	11/32 to 3/8	8.73 to 9.52	5
MAH-1853	4/A	H1	3/8 to 13/32	9.52 to 10.32	6
MAH-1854	3/A	H2	13/32 to 7/16	10.32 to 11.11	6
MAH-1855	2/A	H3	7/16 to 15/32	11.11 to 11.91	6
MAH-1856	A	H4	15/32 to 17/32	11.91 to 13.49	6
MAH-1857	B	H5	17/32 to 19/32	13.49 to 15.08	6
MAH-1858	C	H6	19/32 to 21/32	15.08 to 16.67	6
MAH-1859	D	H7	21/32 to 23/32	16.67 to 18.26	6
MAH-1860	E	H8	23/32 to 25/32	18.26 to 19.84	6
MAH-1861	F	H9	25/32 to 27/32	19.84 to 21.43	6
MAH-1862	G	H10	27/32 to 15/16	21.43 to 23.81	6
MAH-1863	H	H11	15/16 to 1-1/16	23.81 to 26.99	6
MAH-1864	I	H12	1-1/16 to 1-3/16	26.99 to 30.16	6
MAH-1865	J	H13	1-3/16 to 1-11/32	30.16 to 34.13	6
MAH-1866	K	H14	1-11/32 to 1-1/2	34.13 to 38.10	6
MAH-1867	L	H15	1-1/2 to 1-13/16	38.10 to 46.04	6
MAH-1868	M	H16	1-13/16 to 2-7/32	46.04 to 56.36	6
MAH-1869	N	H17	2-7/32 to 2-3/4	56.36 to 69.85	6
MAH-1870	O	H18	2-3/4 to 3-11/32	69.85 to 84.93	6
MAH-1871	P	H19	3-11/32 to 4	84.93 to 100	6
MAH-1872	Q	H20	4 to 4-3/4	100 to 120	6
MAH-1873	R	H21	4-3/4 to 5-1/2	120 to 140	6



## HSS PARTING TOOL BITS CUT OFF BLADES



ITEM NO		SIZE IN INCHES
M – 2 GRADES	5% COBALT	
MHP-1874M	MHP-1874C	1/16X5/16X3-1/2
MHP-1875M	MHP-1875C	3/32X1/2X4
MHP-1876M	MHP-1876C	3/32X1/2X4-1/2
MHP-1877M	MHP-1877C	3/32X5/8X5
MHP-1878M	MHP-1878C	1/8X3/4X6
MHP-1879M	MHP-1879C	1/8X7/8X6
MHP-1880M	MHP-1880C	1/8X7/8X7
MHP-1881M	MHP-1881C	1/8X1"X8
MHP-1882M	MHP-1882C	3/16X1X6
MHP-1883M	MHP-1883C	3/16X1X6
MHP-1884M	MHP-1884C	3/16X1X6-1/2
MHP-1885M	MHP-1885C	3/16X1-1/8X7
MHP-1886M	MHP-1886C	3/16X1/8

## SET OF ADJUSTABLE HAND REAMERS



ITEM NO	RANGE
MAH-1878	SET OF 3 REAMERS(4/A TO 2/A)
MAH-1888	SET OF 4 REAMERS(8/A TO 5/A)
MAH-1889	SET OF 7 REAMERS(8/A TO 2/A)
MAH-1890	SET OF 6 REAMERS(A TO F)
MAH-1891	SET OF 8 REAMERS(A TO H)
MAH-1892	SET OF 6 REAMERS(C TO H)
MAH-1893	SET OF 9 REAMERS(C TO K)
MAH-1894	SET OF 11 REAMERS(A TO K)
MAH-1895	SER OF 16 REAMERS(4/A TO M)
MAH-1896	SET OF 9 REAMERS(A TO I)
MAH-1897	SET OF 5 REAMERS(I TO M)

(BOTH SET IS SUPPLIED IN FINISHED WOODEN BOX)

# CUTTING TOOLS

**SIMRAN TOOLS**

## H.S.S TOOL BITS

Square



Round



M-2 GRADES		5% COBALT		INCHES	CORESPONDING SIZE IN MM
ITEM NO		ITEM NO			
SQ.	ROUND	SQ.	ROUND		
MHT-1898S	MHT-1898R	MHT-1948S	MHT-1948R	1/8X2-1/2	3X62
MHT-1899S	MHT-1899R	MHT-1949S	MHT-1949R	1/8X2-3/4	3X70
MHT-1900S	MHT-1900R	MHT-1950S	MHT-1950R	1/8X3	3X75
MHT-1901S	MHT-1901R	MHT-1951S	MHT-1951R	1/8X4	3X100
MHT-1902S	MHT-1902R	MHT-1952S	MHT-1952R	5/32X3	4X75
MHT-1903S	MHT-1903R	MHT-1954S	MHT-1954R	5/32X4	4X100
MHT-1904S	MHT-1904R	MHT-1955S	MHT-1955R	3/16X2	5X50
MHT-1905S	MHT-1905R	MHT-1956S	MHT-1956R	3/16X2-1/2	5X62
MHT-1906S	MHT-1906R	MHT-1957S	MHT-1957R	3/16X3	5X75
MHT-1907S	MHT-1907R	MHT-1959S	MHT-1959R	3/16X3-1/2	5X87
MHT-1908S	MHT-1908R	MHT-1960S	MHT-1960R	3/16X4	5X100
MHT-1909S	MHT-1909R	MHT-1961S	MHT-1961R	3/16X6	5X150
MHT-1910S	MHT-1910R	MHT-1962S	MHT-1962R	1/4X2	6X50
MHT-1911S	MHT-1911R	MHT-1963S	MHT-1963R	1/4X2-1/2	6X62
MHT-1912S	MHT-1912R	MHT-1964S	MHT-1964R	1/4X3	6X75
MHT-1913S	MHT-1913R	MHT-1965S	MHT-1965R	1/4X4	6X100
MHT-1914S	MHT-1914R	MHT-1966S	MHT-1966R	1/4X6	6X150
MHT-1915S	MHT-1915R	MHT-1967S	MHT-1967R	1/4X8	6X200
MHT-1916S	MHT-1916R	MHT-1968S	MHT-1968R	5/16X2-1/2	8X62
MHT-1917S	MHT-1917R	MHT-1969S	MHT-1969R	5X16X3	8X75
MHT-1918S	MHT-1918R	MHT-1970S	MHT-1970R	5/16X4	8X100
MHT-1919S	MHT-1919R	MHT-1971S	MHT-1971R	5/16X4-1/2	8X112
MHT-1920S	MHT-1920R	MHT-1972S	MHT-1972R	5/16X6	8X150
MHT-1921S	MHT-1921R	MHT-1973S	MHT-1973R	5/16X8	8X200
MHT-1922S	MHT-1922R	MHT-1974S	MHT-1974R	3/8X3	10X75
MHT-1923S	MHT-1923R	MHT-1975S	MHT-1975R	3/8X4	10X100
MHT-1924S	MHT-1924R	MHT-1976S	MHT-1976R	3/8X5	10X125
MHT-1925S	MHT-1925R	MHT-1977S	MHT-1977R	3/8X6	10X150
MHT-1926S	MHT-1926R	MHT-1978S	MHT-1978R	3/8X8	10X200
MHT-1927S	MHT-1927R	MHT-1979S	MHT-1979R	7/16X3-1/2	11X87
MHT-1928S	MHT-1928R	MHT-1980S	MHT-1980R	7/16X4	11X150
MHT-1929S	MHT-1929R	MHT-1981S	MHT-1981R	7/16X5-1/2	11X140
MHT-1930S	MHT-1930R	MHT-1982S	MHT-1982R	1/2X3	12X75
MHT-1931S	MHT-1931R	MHT-1983S	MHT-1983R	1/2X4	12X100
MHT-1932S	MHT-1932R	MHT-1984S	MHT-1984R	1/2X6	12X150
MHT-1933S	MHT-1933R	MHT-1985S	MHT-1985R	1/2X8	12X200
MHT-1934S	MHT-1934R	MHT-1986S	MHT-1986R	5/8X4	16X100
MHT-1935S	MHT-1935R	MHT-1987S	MHT-1987R	5/8X4-1/2	16X112
MHT-1936S	MHT-1936R	MHT-1988S	MHT-1988R	5/8X6	16X150
MHT-1937S	MHT-1937R	MHT-1989S	MHT-1989R	5/8X8	16X200
MHT-1938S	MHT-1938R	MHT-1990S	MHT-1990R	3/4X4	20X100
MHT-1939S	MHT-1939R	MHT-1991S	MHT-1991R	3/4X5	20X125
MHT-1940S	MHT-1940R	MHT-1992S	MHT-1992R	3/4X6	20X150
MHT-1941S	MHT-1941R	MHT-1993S	MHT-1993R	3/4X8	20X200
MHT-1942S	MHT-1942R	MHT-1994S	MHT-1994R	7/8X6	22X150
MHT-1943S	MHT-1943R	MHT-1995S	MHT-1995R	1X4	25X100
MHT-1944S	MHT-1944R	MHT-1996S	MHT-1996R	1X6	25X150
MHT-1945S	MHT-1945R	MHT-1997S	MHT-1997R	1X7	25X175
MHT-1946S	MHT-1946R	MHT-1998S	MHT-1998R	1X8	25X200
MHT-1947S	MHT-1947R	MHT-1999S	MHT-1999R	1-1/4X7	30X175

ALSO AVAILABLE IN 10% COBALT

## RECTANGULAR TOOL BITS

Rectangle



ITEM NO		SIZE IN INCHES	CORESPONDING SIZE IN MM
M- 2 GRADES	5% COBALT		
MRT- 2000G	MRT- 2000C	1/8X1/2X4	3X12X100
MRT- 2001G	MRT- 2001C	1/8X1/2X6	3X12X150
MRT- 2002G	MRT- 2002C	1/8X1/2X4	3X20X100
MRT- 2003G	MRT- 2003C	1/8X1X6	3X25X150
MRT- 2004G	MRT- 2004C	3/16X1/2X6	5X12X150
MRT- 2005G	MRT- 2005C	3/16X3/4X6	5X20X150
MRT- 2006G	MRT- 2006C	3/16X1X6	5X25X150
MRT- 2007G	MRT- 2007C	1/4X3/8X3	6X10X75
MRT- 2008G	MRT- 2008C	1/4X3/8X4	6X10X100
MRT- 2009G	MRT- 2009C	1/4X1/2X4	6X12X100
MRT- 2010G	MRT- 2010C	1/4X1/2X6	6X12X150
MRT- 2011G	MRT- 2011C	1/4X3/4X5	6X20X125
MRT- 2012G	MRT- 2012C	1/4X3/4X6	6X20X150
MRT- 2013G	MRT- 2013C	1/4X1X6	6X25X150
MRT- 2014G	MRT- 2014C	5/16X3/4X6	8X20X150
MRT- 2015G	MRT- 2015C	3/8X1/2X4	10X12X100
MRT- 2016G	MRT- 2016C	3/8X1/2X6	10X12X150
MRT- 2017G	MRT- 2017C	3/8X5/8X5	10X16X125
MRT- 2018G	MRT- 2018C	3/8X5/8X6	10X16X150
MRT- 2019G	MRT- 2019C	3/8X3/4X5	10X20X125
MRT- 2020G	MRT- 2020C	3/8X3/4X6	10X20X150
MRT- 2021G	MRT- 2021C	3/8X1X6	10X25X150
MRT- 2022G	MRT- 2022C	1/2X5/8X6	12X16X150
MRT- 2023G	MRT- 2023C	1/2X3/4X5	12X20X125
MRT- 2024G	MRT- 2024C	1/2X3/4X6	12X20X150
MRT- 2025G	MRT- 2025C	1/2X1X6	12X25X150
MRT- 2026G	MRT- 2026C	1/2X1X7	12X25X175
MRT- 2027G	MRT- 2027C	1/2X1-1/2X7	12X37X175
MRT- 2028G	MRT- 2028C	5/8X3/4X5	16X20X125
MRT- 2029G	MRT- 2029C	5/8X3/4X6	16X20X150
MRT- 2030G	MRT- 2030C	5/8X1X/6	16X25X150
MRT- 2031G	MRT- 2031C	5/8X1-1/4X7	16X31X175
MRT- 2032G	MRT- 2032C	3/4X1X6	20X25X150

## CARBON TAPS – B.S.P.

(ALSO AVAILABLE IN H.S.S)



ITEM NO		SET OF TWO (1ST & 2ND)	SIZE IN INCHES	THREADS PER INCH
1 <sup>ST</sup>	2 <sup>ND</sup>			
MCT-2033	MCT-2045	MCT-2057	1/8	28
MCT-2034	MCT-2046	MCT-2058	¼	19
MCT-2035	MCT-2047	MCT-2059	3/8	19
MCT-2036	MCT-2048	MCT-2060	½	14
MCT-2037	MCT-2049	MCT-2061	5/8	14
MCT-2038	MCT-2050	MCT-2062	¾	14
MCT-2039	MCT-2051	MCT-2063	7/8	14
MCT-2040	MCT-2052	MCT-2064	1	11
MCT-2041	MCT-2053	MCT-2065	1.1/8	11
MCT-2042	MCT-2054	MCT-2066	1.1/4	11
MCT-2043	MCT-2055	MCT-2067	1.1/2	11
MCT-2044	MCT-2056	MCT-2068	2	11

## CARBON ROUND DIES B.S.P



## SETS OF CARBON ROUND DIES B.S.W/B.S.F



ITEM NO		SIZE		OUTER DIA. OF DIES
RIGHT HAND DIES	LEFT HAND DIES			
MCR-2069R	MCR-2069L	1/8"-28	B.S.P	1"
MCR-2070R	MCR-2070L	1/4"-19	B.S.P	1.1/2"
MCR-2071R	MCR-2071L	3/8"-19	B.S.P	1.1/2"
MCR-2072R	MCR-2072L	1/2"-14	B.S.P	2"
MCR-2073R	MCR-2073L	5/8"-14	B.S.P	2"
MCR-2074R	MCR-2074L	3/4"-14	B.S.P	2"
MCR-2075R	MCR-2075L	7/8"-14	B.S.P	2.1/4"
MCR-2076R	MCR-2076L	1"-11	B.S.P	3"
MCR-2077R	MCR-2077L	1.1/8"-11	B.S.P	3"
MCR-2078R	MCR-2078L	1.1/4"-11	B.S.P	3"
MCR-2079R	MCR-2079L	1.1/2"-11	B.S.P	4"
MCR-2080R	MCR-2080L	2"-11	B.S.P	4"

ITEM NO		DESCRIPTION
RIGHT HAND DIES	LEFT HAND DIES	
MCR-2081R	MCR-2081L	5 PC SET 1/4" TO 1/2" B.S.W.
MCR-2082R	MCR-2082L	5 PC SET 1/4" TO 1/2" B.S.F.
MCR-2083R	MCR-2083L	10 PC SET 1/4" TO 1/2" B.S.W.
MCR-2084R	MCR-2084L	10PC SET OF 1/4" TO 1/2" B.S.F
MCR-2085R	MCR-2085L	8PC SET 1/4" TO 3/4" B.S.W
MCR-2086R	MCR-2086L	8PC SET 1/4" TO 3/4" B.S.F
MCR-2087R	MCR-2087L	16PC SET 1/4" TO 3/4" B.S.W
MCR-2088R	MCR-2088L	16PC SET 1/4" TO 3/4" B.S.F
MCR-2089R	MCR-2089L	10PC SET 1/4" TO 1" B.S.W
MCR-2090R	MCR-2090L	10PC SET 1/4" TO 1" B.S.F
MCR-2091R	MCR-2091L	20PC SET 1/4" TO 1" B.S.W
MCR-2092R	MCR-2092L	20PC SET 1/4" TO 1" B.S.F

## CARBON TAPS – UNC/UNF AS PER ASME/ANSI B94.9

ITEM NO			THREAD SIZE		NO OF LENGTH	THREAD LENGTH	OVERALL LENGTH	SET OF 3 PLUG, BOTTOM & TAPER TAPS
PLUG	BOTTOMING	TAPER						
MCT-2093P	MCT-2093B	MCT-2093T	1/4"-20	UNC	4	1"	2-1/2"	MCT-2121
MCT-2094P	MCT-2094B	MCT-2094T	1/4"-28	UNF	4	1"	2-1/2"	MCT-2122
MCT-2095P	MCT-2095B	MCT-2095T	5/16"-18	UNC	4	1-1/8"	2-23/32"	MCT-2123
MCT-2096P	MCT-2096B	MCT-2096T	5/16"-24	UNF	4	1-1/8"	2-23/32"	MCT-2124
MCT-2097P	MCT-2097B	MCT-2097T	3/8"-16	UNC	4	1-1/4"	2-15/16"	MCT-2125
MCT-2098P	MCT-2098B	MCT-2098T	3/8"-24	UNF	4	1-1/4"	2-15/16"	MCT-2126
MCT-2099P	MCT-2099B	MCT-2099T	7/16"-14	UNC	4	1-7/16"	3-5/32"	MCT-2127
MCT-2100P	MCT-2100B	MCT-2100T	7/16"-20	UNF	4	1-7/16"	3-5/32"	MCT-2129
MCT-2101P	MCT-2101B	MCT-2101T	1/2"-13	UNC	4	1-21/32"	3-3/8"	MCT-2130
MCT-2102P	MCT-2102B	MCT-2102T	1/2"-20	UNF	4	1-21/32"	3-3/8"	MCT-2131
MCT-2103P	MCT-2103B	MCT-2103T	9/16"-12	UNC	4	1-21/32"	3-19/32"	MCT-2132
MCT-2104P	MCT-2104B	MCT-2104T	9/16"-18	UNF	4	1-21/32"	3-19/32"	MCT-2133
MCT-2105P	MCT-2105B	MCT-2105T	5/8"-11	UNC	4	1-13/16"	3-13/16"	MCT-2134
MCT-2106P	MCT-2106B	MCT-2106T	5/8"-18	UNF	4	1-13/16"	3-13/16"	MCT-2135
MCT-2107P	MCT-2107B	MCT-2107T	3/4"-10	UNC	4	2"	4-1/4"	MCT-2136
MCT-2108P	MCT-2108B	MCT-2108T	3/4"-16	UNF	4	2"	4-1/4"	MCT-2137
MCT-2109P	MCT-2109B	MCT-2109T	7/8"-9	UNC	4	2-7/32"	4-11/16"	MCT-2138
MCT-2110P	MCT-2110B	MCT-2110T	7/8"-14	UNF	4	2-7/32"	4-11/16"	MCT-2139
MCT-2111P	MCT-2111B	MCT-2111T	1"-8	UNC	4	2-1/2"	5-1/8"	MCT-2140
MCT-2112P	MCT-2112B	MCT-2112T	1"-12	UNF	4	2-1/2"	5-1/8"	MCT-2141
MCT-2113P	MCT-2113B	MCT-2113T	1-1/8"-7	UNC	4	2-9/16"	5-7/16"	MCT-2142
MCT-2114P	MCT-2114B	MCT-2114T	1-1/8"-12	UNF	4	2-9/16"	5-7/16"	MCT-2143
MCT-2115P	MCT-2115B	MCT-2115T	1-1/4"-7	UNC	4	2-9/16"	5-3/4"	MCT-2144
MCT-2116P	MCT-2116B	MCT-2116T	1-1/4"-12	UNF	6	2-9/16"	5-3/4"	MCT-2145
MCT-2117P	MCT-2117B	MCT-2117T	1-3/8"-6	UNC	4	3"	6-1/16"	MCT-2146
MCT-2118P	MCT-2118B	MCT-2118T	1-3/8"-12	UNF	6	3"	6-1/16"	MCT-2147
MCT-2119P	MCT-2119B	MCT-2119T	1-1/2"-6	UNC	4	3"	6-3/8"	MCT-2148
MCT-2120P	MCT-2120B	MCT-2120T	1-1/2"-12	UNF	6	3"	6-3/8"	MCT-2149



# CUTTING TOOLS

**SIMRAN TOOLS**

## CARBON TAPER PIPE TAPS NPT THREADS



## CARBON TAPS & DIES METRIC SIZES



ITEM NO	THREAD SIZE	NO OF FLUTES	THREAD LENGTH	OVERALL LENGTH	
MCT-2150	1/8"-27	NPT	4	3/4"	2-1/8"
MCT-2151	1/4"-18	NPT	4	1-1/16"	2-7/16"
MCT-2152	3/8"-18	NPT	4	1-1/16"	2-9/16"
MCT-2153	1/2"-14	NPT	4	1-3/8"	3-1/8"
MCT-2154	3/4"-14	NPT	5	1-3/8"	3-1/4"
MCT-2155	1"-11-1/2"	NPT	5	1-3/4"	3-3/4"
MCT-2156	1-1/4"-11-1/2"	NPT	5	1-3/4"	4"
MCT-2157	1-1/2"-11-1/2"	NPT	7	1-3/4"	4-1/4"
MCT-2158	2"-11-1/2"	NPT	7	1-3/4"	4-1/2"

(ALSO AVAILABLE IN H.S.S)

ITEM NO			SET OF THREE PLUG, BOTTOM & TAPER TAPS	ITEM NO		SIZE
P LUG	BOTTOMING	TAPER		RIGHT HAND DIES	LEFT HAND DIES	
MCT-2159	MCT-2188	MCT-2217	MCT-2245	MCT-2274	MCT-2303	2MMX0.4
MCT-2160	MCT-2189	MCT-2218	MCT-2246	MCT-2275	MCT-2304	3MMX0.5
MCT-2161	MCT-2190	MCT-2219	MCT-2247	MCT-2276	MCT-2305	4MMX0.7
MCT-2162	MCT-2191	MCT-2220	MCT-2248	MCT-2277	MCT-2306	5MMX0.8
MCT-2163	MCT-2192	MCT-2221	MCT-2249	MCT-2278	MCT-2307	6MMX1.0
MCT-2164	MCT-2193	MCT-2222	MCT-2250	MCT-2279	MCT-2308	7MM1.0
MCT-2165	MCT-2194	MCT-2223	MCT-2251	MCT-2280	MCT-2309	8MMX1.25
MCT-2166	MCT-2195	MCT-2224	MCT-2252	MCT-2281	MCT-2310	9MMX1.25
MCT-2167	MCT-2196	MCT-2225	MCT-2253	MCT-2282	MCT-2311	10MMX1.5
MCT-2168	MCT-2197	MCT-2226	MCT-2254	MCT-2283	MCT-2312	11MMX1.5
MCT-2169	MCT-2198	MCT-2227	MCT-2255	MCT-2284	MCT-2313	12MMX1.75
MCT-2170	MCT-2199	MCT-2228	MCT-2256	MCT-2285	MCT-2314	14MMX2.0
MCT-2171	MCT-2200	MCT-2229	MCT-2257	MCT-2286	MCT-2315	16MMX2.0
MCT-2172	MCT-2201	MCT-2230	MCT-2258	MCT-2287	MCT-2316	18MMX2.5
MCT-2173	MCT-2202	MCT-2231	MCT-2259	MCT-2288	MCT-2317	20MMX2.5
MCT-2174	MCT-2203	MCT-2232	MCT-2260	MCT-2289	MCT-2318	22MMX2.5
MCT-2175	MCT-2204	MCT-2233	MCT-2261	MCT-2290	MCT-2319	22MMX2.5
MCT-2176	MCT-2205	MCT-2234	MCT-2262	MCT-2291	MCT-2320	24MMX3.0
MCT-2177	MCT-2206	MCT-2235	MCT-2263	MCT-2292	MCT-2321	25MMX3.0
MCT-2178	MCT-2207	MCT-2236	MCT-2264	MCT-2293	MCT-2322	27MMX3.0
MCT-2179	MCT-2208	MCT-2237	MCT-2265	MCT-2294	MCT-2323	30MMX3.5
MCT-2180	MCT-2209	MCT-2238	MCT-2266	MCT-2295	MCT-2324	33MMX3.5
MCT-2181	MCT-2210	MCT-2239	MCT-2267	MCT-2296	MCT-2325	36MMX4.0
MCT-2182	MCT-2211	MCT-2240	MCT-2268	MCT-2297	MCT-2326	39MM4.0
MCT-2183	MCT-2212	MCT-2241	MCT-2269	MCT-2298	MCT-2327	40MMX4.0
MCT-2184	MCT-2213	MCT-2242	MCT-2270	MCT-2299	MCT-2328	42MMX4.5
MCT-2185	MCT-2214	MCT-2243	MCT-2271	MCT-2300	MCT-2329	45MMX4.5
MCT-2186	MCT-2215	MCT-2244	MCT-2272	MCT-2301	MCT-2330	48MMX5.0
MCT-2187	MCT-2216	MCT-2245	MCT-2273	MCT-2302	MCT-2331	50MMX5.0

SPECIAL SIZES CAN BE SUPPLIES ON REQUEST (ALSO AVAILABLE IN H.S.S)

## MACHINE SCREW CARBON TAPS



ITEM NO			SET OF THREE PLUG, BOTTOM & TAPER TAPS	SIZE	NO OF FLUTES	THREAD LENGTH
PLUG	BOTTOMING	TAPER				
MMS-2159				0-80	2	5/16"
				1-64	2	3/8"
				1-72	2	3/8"
				2-56	3	7/16"
				3-48	3	1/2"
				3-56	3	1/2"
				4-40	3	9/16"
				4-48	3	9/16"
				5-40	3	5/8"
				6-32	3	11/16"
				6-40	3	11/16"
				8-32	4	3/4"
				10-24	4	7/8"
				10-32	4	7/8"

# CUTTING TOOLS

**SIMRAN TOOLS**

## CARBON TAPS & DIES B.A.



ITEM NO			SET OF THREE PLUG, BOTTOM & TAPER TAPS	ITEM NO RIGHT HAND DIES	SIZE
PLUG	BOTTOMING	TAPER			
MCT-2332P	MCT-2332B	MCT-2332T	MCT-2343	MCT-2332R	0BA
MCT-2333P	MCT-2333B	MCT-2333T	MCT-2344	MCT-2333R	1BA
MCT-2334P	MCT-2334B	MCT-2334T	MCT-2345	MCT-2334R	2BA
MCT-2335P	MCT-2335B	MCT-2335T	MCT-2346	MCT-2335R	3BA
MCT-2336P	MCT-2336B	MCT-2336T	MCT-2347	MCT-2336R	4BA
MCT-2337P	MCT-2337B	MCT-2337T	MCT-2348	MCT-2337R	5BA
MCT-2338P	MCT-2338B	MCT-2338T	MCT-2349	MCT-2338R	6BA
MCT-2339P	MCT-2339B	MCT-2339T	MCT-2350	MCT-2339R	7BA
MCT-2340P	MCT-2340B	MCT-2340T	MCT-2351	MCT-2340R	8BA
MCT-2341P	MCT-2341B	MCT-2341T	MCT-2352	MCT-2341R	9BA
MCT-2342P	MCT-2342B	MCT-2342T	MCT-2353	MCT-2342R	10BA

(ALSO AVAILABLE IN H.S.S.)

## CARBON TAPS & DIES M.E.



ITEM NO			SET OF THREE PLUG, BOTTOM & TAPER TAPS	ITEM NO RIGHT HAND DIES	SIZE	
PLUG	BOTTOMING	TAPER				
MCT-2354	MCT-2363	MCT-2372	MCT-2381	MCT-2390	5/32X40	M.E.
MCT-2355	MCT-2364	MCT-2373	MCT-2382	MCT-2391	3/16X40	M.E.
MCT-2356	MCT-2365	MCT-2374	MCT-2383	MCT-2392	7/32X40	M.E.
MCT-2357	MCT-2366	MCT-2375	MCT-2384	MCT-2393	1/4X40	M.E.
MCT-2358	MCT-2367	MCT-2376	MCT-2385	MCT-2394	9/32X32	M.E.
MCT-2359	MCT-2368	MCT-2377	MCT-2386	MCT-2395	5/16X32	M.E.
MCT-2360	MCT-2369	MCT-2378	MCT-2387	MCT-2396	3/8X32	M.E.
MCT-2361	MCT-2370	MCT-2379	MCT-2388	MCT-2397	7/16X26	M.E.
MCT-2362	MCT-2371	MCT-2380	MCT-2389	MCT-2398	1/2X26	M.E.

## HEXAGONAL DIES B.A.

## HEXAGONAL DIES B.S.W./B.S.F.



B.S.W.		B.S.F.		MM	
SIZE	ITEM NO	SIZE	ITEM NO	SIZE	ITEM NO
1/8-40	MHD-2410				
5/32-32	MHD-2411				
3/16-24	MHD-2412	3/16-32	MHD-2431		
7/32-24	MHD-2413	7/32-28	MHD-2432		
1/4-20	MHD-2414	1/4-26	MHD-2433		
9/32-20	MHD-2415	9/32-26	MHD-2434	6-1.0	MHD-2450
5/16-18	MHD-2416	5/16-22	MHD-2435	7-1.0	MHD-2451
3/8-16	MHD-2417	3/8-20	MHD-2436	8-1.25	MHD-2452
7/16-14	MHD-2418	7/16-18	MHD-2437	9-1.25	MHD-2453
1/2-12	MHD-2419	1/2-16	MHD-2438	10-1.5	MHD-2454
9/16-12	MHD-2420	9/16-16	MHD-2439	11-1.5	MHD-2455
5/8-11	MHD-2421	5/8-14	MHD-2440	12-1.75	MHD-2456
3/4-10	MHD-2422	3/4-12	MHD-2441	14-2.00	MHD-2457
7/8-9	MHD-2423	7/8-11	MHD-2442	16-2.00	MHD-2458
1"-8	MHD-2424	1"-10	MHD-2443	18-2.5	MHD-2459
1.1/8-7	MHD-2425	1.1/8-9	MHD-2444	20-2.5	MHD-2460
1.14-7	MHD-2426	1.1/4-9	MHD-2445	22-2.5	MHD-2461
1.3/8-6	MHD-2427	1.3/8-8	MHD-2446	24-3.0	MHD-2462
1.1/2-6	MHD-2428	1.1/2-8	MHD-2447	27-3.0	MHD-2463
1.3/4-5	MHD-2429	1.3/4-7	MHD-2448	30-3.5	MHD-2464
2"-4.1/2	MHD-2430	2"-7	MHD-2449	33-3.5	MHD-2465

ITEM NO	B.A.
MHD-2399	0BA
MHD-2400	1BA
MHD-2401	2BA
MHD-2402	3BA
MHD-2403	4BA
MHD-2404	5BA
MHD-2405	6BA
MHD-2406	7BA
MHD-2407	8BA
MHD-2408	9BA
MHD-2409	10BA



## HEXAGONAL DIES B.S.P.

ITEM NO	B.A.
MHD-2466	1/8"-28
MHD-2467	1/4"-19
MHD-2468	3/8"-19
MHD-2469	1/2"-14
MHD-2470	5/8"-14
MHD-2471	3/4"-14
MHD-2472	7/8"-14
MHD-2473	1"-11
MHD-2474	1.14"-11
MHD-2475	1.1/2"-11
MHD-2476	2"-11



## CARBON DIES AS PER ASME/ANS B94.9



### (A) HEXAGONAL DIES

UNC/UNF			
ITEM NO		SIZE	
RIGHT HAND DIE SET	LEFT HAND DIE SET		
HCD-2477R	HCD-2477L	1/4"-20	UNC
HCD-2478R	HCD-2478L	1/4"-28	UNF
HCD-2479R	HCD-2479L	5/16"-18	UNC
HCD-2480R	HCD-2480L	5/16"-24	UNF
HCD-2481R	HCD-2481L	3/8"-16	UNC
HCD-2482R	HCD-2482L	3/8"-24	UNF
HCD-2483R	HCD-2483L	7/16"-14	UNC
HCD-2484R	HCD-2484L	7/16"-20	UNF
HCD-2485R	HCD-2485L	1/2"-13	UNC
HCD-2486R	HCD-2486L	1/2"-20	UNF
HCD-2487R	HCD-2487L	9/16"-12	UNC
HCD-2488R	HCD-2488L	9/16"-18	UNF
HCD-2489R	HCD-2489L	5/8"-11	UNC
HCD-2490R	HCD-2490L	5/8"-18	UNF
HCD-2491R	HCD-2491L	3/4"-10	UNC
HCD-2492R	HCD-2492L	3/4"-16	UNF
HCD-2493R	HCD-2493L	7/8"-9	UNC
HCD-2494R	HCD-2494L	7/8"-14	UNF
HCD-2495R	HCD-2495L	1"-8	UNC
HCD-2496R	HCD-2496L	1"-12	UNF
HCD-2497R	HCD-2497L	1"-14	UNF
HCD-2498R	HCD-2498L	1-1/8"-7	UNC
HCD-2499R	HCD-2499L	1-1/8"-12	UNF
HCD-2500R	HCD-2500L	1-1/4"-7	UNC
HCD-2501R	HCD-2501L	1-1/4"-12	UNF
HCD-2502R	HCD-2502L	1-3/8"-6	UNC
HCD-2503R	HCD-2503L	1-3/8"-12	UNF
HCD-2504R	HCD-2504L	1-1/2"-6	UNC
HCD-2505R	HCD-2505L	1-1/2"-12	UNF

### (B) HEXAGONAL DIE SETS

ITEM NO		DESCRIPTION		
RIGHT HAND DIE SET	LEFTHAND DIE SET			
HDC-2506R	HDC-2506L	5 PC SET	1/4"TO1/2"	UNC
HDC-2507R	HDC-2507L	5 PC SET	1/4"TO1/2"	UNF
HDC-2508R	HDC-2508L	10 PC SET	1/4"TO1/2"	UNC
HDC-2509R	HDC-2509L	10 PC SET	1/4"TO1/2"	UNF
HDC-2510R	HDC-2510L	8 PC SET	1/4"TO3/4"	UNC
HDC-2511R	HDC-2511L	8 PC SET	1/4"TO3/4"	UNF
HDC-2512R	HDC-2512L	16 PC SET	1/4"TO3/4"	UNC
HDC-2513R	HDC-2513L	16 PC SET	1/4"TO3/4"	UNF
HDC-2514R	HDC-2514L	10 PC SET	1/4"TO1"	UNC
HDC-2516R	HDC-2516L	10 PC SET	1/4"TO1"	UNF
HDC-2517R	HDC-2517L	20 PC SET	1/4"TO1"	UNC
HDC-2518R	HDC-2518L	20 PC SET	1/4"TO1"	UNF

### CARBON ROUND DIES SETS UNC/UNF



ITEM NO		DESCRIPTION		
RIGHT HAND DIE SET	LEFTHAND DIE SET			
MCR-2519R	MCR-2519L	5 PC SET	1/4"TO1/2"	UNC
MCR-2520R	MCR-2520L	5 PC SET	1/4"TO1/2"	UNF
MCR-2521R	MCR-2521L	10 PC SET	1/4"TO1/2"	UNC
MCR-2522R	MCR-2522L	10 PC SET	1/4"TO1/2"	UNF
MCR-2523R	MCR-2523L	8 PC SET	1/4"TO3/4"	UNC
MCR-2524R	MCR-2524L	8 PC SET	1/4"TO3/4"	UNF
MCR-2525R	MCR-2525L	16 PC SET	1/4"TO3/4"	UNC
MCR-2526R	MCR-2526L	16 PC SET	1/4"TO3/4"	UNF
MCR-2527R	MCR-2527L	10 PC SET	1/4"TO1"	UNC
MCR-2528R	MCR-2528L	10 PC SET	1/4"TO1"	UNF
MCR-2529R	MCR-2529L	20 PC SET	1/4"TO1"	UNC
MCR-2530R	MCR-2530L	20 PC SET	1/4"TO1"	UNF

# CUTTING TOOLS

**SIMRAN TOOLS**

## CARBON ROUND DIES SETS UNC/UNF



## COMPLETE TAPS & ROUND DIES SETS



ITEM NO		SIZE			OUTER DIA
RIGHT HAND DIE SET	LEFT HAND DIE SET				
MCR-2540R	MCR-2540L	1/4"	20	UNC	1"
MCR-2541R	MCR-2541L	1/4"	28	UNF	1"
MCR-2542R	MCR-2542L	5/16"	18	UNC	1"
MCR-2543R	MCR-2543L	5/16"	24	UNF	1"
MCR-2544R	MCR-2544L	3/8"	16	UNC	1"
MCR-2545R	MCR-2545L	3/8"	24	UNF	1"
MCR-2546R	MCR-2546L	7/16"	14	UNC	1-1/2"
MCR-2547R	MCR-2547L	7/16"	20	UNF	1-1/2"
MCR-2548R	MCR-2548L	1/2"	13	UNC	1-1/2"
MCR-2549R	MCR-2549L	1/2"	20	UNF	1-1/2"
MCR-2550R	MCR-2550L	9/16"	12	UNC	1-1/2"
MCR-2551R	MCR-2551L	9/16"	18	UNF	1-1/2"
MCR-2552R	MCR-2552L	5/8"	11	UNC	1-1/2"
MCR-2553R	MCR-2553L	5/8"	18	UNF	1-1/2"
MCR-2554R	MCR-2554L	3/4"	10	UNC	1-1/2"
MCR-2555R	MCR-2555L	3/4"	16	UNF	1-1/2"
MCR-2556R	MCR-2556L	7/8"	9	UNC	2"
MCR-2557R	MCR-2557L	7/8"	14	UNF	2"
MCR-2558R	MCR-2558L	1"	8	UNC	2"
MCR-2559R	MCR-2559L	1"	12	UNF	2"
MCR-2560R	MCR-2560L	1"	14	UNS	2"
MCR-2561R	MCR-2561L	1-1/8"	7	UNC	2-1/2"
MCR-2562R	MCR-2562L	1-1/8"	12	UNF	2-1/2"
MCR-2563R	MCR-2563L	1-1/4"	7	UNC	2-1/2"
MCR-2564R	MCR-2564L	1-1/4"	12	UNF	2-1/2"
MCR-2565R	MCR-2565L	1-3/8"	6	UNC	2-1/2"
MCR-2566R	MCR-2566L	1-3/8"	12	UNF	2-1/2"
MCR-2567R	MCR-2567L	1-1/2"	6	UNC	2-1/2"
MCR-2568R	MCR-2568L	1-1/2"	12	UNF	2-1/2"

CAT NO.	SIZES		NO. OF SIZES	NO. OF PC
MCT-2569	1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4	BSW	7	31
MCT-2570	1/8, 5/32, 3/16, 7/32, 1/4	BSW	5	23
MCT-2571	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	BSW	9	42
MCT-2572	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	BSF	9	42
MCT-2573	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	UNF	9	42
MCT-2574	1/4, 5/16, 3/8, 7/16, 1/2	BSW	5	24
MCT-2575	1/4, 5/16, 3/8, 7/16, 1/2	BSF	5	24
MCT-2576	1/4, 5/16, 3/8, 7/16, 1/2	UNF	5	24
MCT-2577	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	BSW	7	33
MCT-2578	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	BSF	7	33
MCT-2579	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	UNF	7	33
MCT-2580	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	BSW	9	42
MCT-2581	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	BSF	9	42
MCT-2582	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	UNF	9	42
MCT-2583	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4", 1.1/2	BSW	11	52
MCT-2584	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1.1/8, 1.1/4", 1.3/8", 1.1/2"	BSW	13	60
MCT-2585	2,3,4,5,6	mm	5	23
MCT-2586	2,3,4,5,6,7,8,9,10	mm	9	40
MCT-2587	3,4,5,6,7,8,10,12	mm	8	37
MCT-2588	4,5,6,7,8,10,12	mm	7	33
MCT-2589	6,7,8,10,12	mm	5	24
MCT-2590	6,8,10,12,14,16,18	mm	7	33
MCT-2591	6,8,10,12,14,16,18,20	mm	8	37
MCT-2593	6,8,10,12,14,16,18,20,22,24	mm	10	46
MCT-2594	6,8,10,12,14,16,18,20,22,24,25,27,30	mm	13	59
MCT-2595	12,14,16,18,20	mm	5	23
MCT-2596	0,1,2,3,4,5,6	BA	7	31
MCT-2597	0,1,2,3,4,5,6,7,8	BA	9	39
MCT-2598	0,1,2,3,4,5,6,7,8,9,10	BA	11	47
MCT-2599	1/8, 1/4, 3/8, 1/2, 5/8, 3/4	BSP	6	25
MCT-2600	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1"	BSP	8	32
MCT-2601	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1", 1.1/8, 1.1/4	BSP	10	38
MCT-2602	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2	BSP	12	45

### CENTER DRILLS



#### TYPE "A"

ITEM NO	PILOT DIA	BODY DIA	O.A.L
MCD-2700A	1	3.15	31.5
MCD-2701A	1.25	3.15	31.5
MCD-2702A	1.6	4.0	35.5
MCD-2703A	2.0	5.0	40
MCD-2704A	2.5	6.3	45
MCD-2705A	3.15	8.0	50
MCD-2706A	4.0	10.0	56
MCD-2707A	5.0	12.5	63
MCD-2708A	6.3	16.0	71
MCD-2709A	8.0	20.0	80
MCD-2710A	10.0	25.0	100



#### TYPE "B"

ITEM NO	PILOT DIA	BODY DIA	O.A.L
MCD-2700B	1	4	35.5
MCD-2701B	2	8	50
MCD-2702B	2.5	10	56
MCD-2703B	3.15	11.2	60
MCD-2704B	4	14	67
MCD-2705B	5	18	75
MCD-2706B	6.3	20	80
MCD-2707B	8	25	100

### HSS CENTER REAMERS (3-FLUTE)



ITEM NO			SIZE	SHANK DIAMETR	OVERALL LENGTH
60°	82°	90°			
MHC-2723	MHC-2732	MHC-2741	1/4"	3/16"	1-1/2"
MHC-2724	MHC-2733	MHC-2742	3/8"	1/4"	1.3/4"
MHC-2725	MHC-2734	MHC-2743	1/2"	3/8"	2"
MHC-2726	MHC-2735	MHC-2744	5/8"	3/8"	2-1/4"
MHC-2727	MHC-2736	MHC-2745	3/4"	1/2"	2-5/8"
MHC-2728	MHC-2737	MHC-2746	1"	1/2"	2-3/4"
MHC-2729	MHC-2738	MHC-2747	1-1/4"	3/4"	3-1/2"
MHC-2730	MHC-2739	MHC-2748	1-1/2"	3/4"	3-1/2"
MHC-2731	MHC-2740	MHC-2749	2"	3/4"	3-3/4"

### ZERO FLUTE COUNTERSINKS & DEBURRING TOOLS



ITEM NO		SIZE	RANGE OF CUT				SHANK DIA	
INCH	MM		SMALL DIA		LARGE DIA		INCH	MM
MZF-2711	MZF-2717	0 DOUBLEEND	1/16	2	15/64	5	1/4	6
MZF-2712	MZF-2718	1 SINGLE END	5/32	5	13/32	10	1/4	8
MZF-2713	MZF-2719	2 SINGLE END	3/16	10	17/32	15	1/4	10
MZF-2714	MZF-2720	3 SINGLE END	5/16	15	25/32	20	1/2	12
MZF-2715	MZF-2721	4 SINGLE END	9/16	20	1-1/16	25	1/2	15
MZF-2716	MZF-2722	SET OF 5 PIECE SIZE 0,1,2,3 & 4 ON A WOODEN STAND						

### SET OF SINGLE FLUTE COUNTERSINKS



ITEM NO			RANGE	NO OF PC	CASE
60°	82°	90°			
MSF-2750	MSF-2754	MSF-2758	1/4", 3/8" & 1/2"	3	PLASTIC POUCH
MSF-2751	MSF-2755	MSF-2759	1/4", 3/8", 1/2", 3/4" & 1"	5	WOOD STAND
MSF-2752	MSF-2756	MSF-2760	3/16", 1/4", 5/16", 3/8", 7/8" & 1"	9	WOOD STAND
MSF-2753	MSF-2757	MSF-2761	3/16", 1/4", 5/16", 3/8", 7/8" & 1", 1-1/4", 1-1/2" & 2"	12	WOOD STAND

## COMBINE DRILL & COUNTER SINKS

### A) PLAIN TYPE

(AS PER ANSI B94.11M)



ITEM NO			SIZE	BODY DIA	DRILL DIA	OVERALL LENGTH
60°	82°	90°				
MCD-2762	MCD-2775	MCD-2788	00	1/8"	.025"	1-1/8"
MCD-2763	MCD-2776	MCD-2789	0	1/8"	1/32"	1-1/8"
MCD-2764	MCD-2777	MCD-2790	1	1/8"	3/64"	1-1/4"
MCD-2765	MCD-2778	MCD-2791	2	3/16"	5/64"	1-7/8"
MCD-2766	MCD-2779	MCD-2792	3	1/4"	7/64"	2"
MCD-2767	MCD-2780	MCD-2793	4	5/16"	1/8"	2-1/8"
MCD-2768	MCD-2781	MCD-2794	4-1/2	3/8"	9/64"	2-1/2"
MCD-2769	MCD-2782	MCD-2795	5	7/16"	3/16"	2-3/4"
MCD-2770	MCD-2783	MCD-2796	6	1/2"	7/32"	3"
MCD-2771	MCD-2784	MCD-2797	7	5/8"	1/4"	3-1/4"
MCD-2772	MCD-2785	MCD-2798	8	3/4"	5/16"	3-1/2"
MCD-2773	MCD-2786	MCD-2799	9	7/8"	11/32"	3-5/8"
MCD-2774	MCD-2787	MCD-2800	10	1"	3/8"	3-3/4"
SET OF PLAIN TYPE						
60°	82°	90°	RANGE	NO OF PC		
MCD-2801	MCD-2802	MCD-2802	1 TO 5	5		

### B) BELL TYPE 60°



ITEM NO	SIZE	BODY DIA. A	DRILL DIA B	BELL DIA. E	OVERALL LENGTH L
MCD-2803	11	1/8"	3/64"	.100"	1.1/4"
MCD-2804	12	3/16"	1/16"	.150"	1-7/8"
MCD-2805	13	1/4"	3/32"	.200"	2"
MCD-2806	14	5/16"	7/64"	.250"	2-1/8"
MCD-2807	15	7/16"	5/32"	.350"	2-3/4"
MCD-2808	16	1/2"	3/16"	.400"	3"
MCD-2809	17	5/8"	7/32"	.500"	3-1/4"
MCD-2810	18	3/4"	1/4"	.600"	3-1/2"
MCD-2811	SET OF 5 PC FROM SIZE 11 TO SIZE 15				

### C) PLAIN TYPE 60° LONG SERIES



ITEM NO	SIZE	BODY DIA.	DRILL DIA.	OVERALL LENGTH
MCD-2812	1	1/8"	3/64"	3"
MCD-2813	1	1/8"	3/64"	4"
MCD-2814	1	1/8"	3/64"	5"
MCD-2815	1	1/8"	3/64"	6"
MCD-2816	2	3/16"	5/64"	3"
MCD-2817	2	3/16"	5/64"	4"
MCD-2818	2	3/16"	5/64"	5"
MCD-2819	2	3/16"	5/64"	6"
MCD-2820	3	1/4"	7/64"	4"
MCD-2821	3	1/4"	7/64"	5"
MCD-2822	3	1/4"	7/64"	6"
MCD-2823	4	5/16"	1/8"	4"
MCD-2824	4	5/16"	1/8"	5"
MCD-2825	4	5/16"	1/8"	6"
MCD-2826	5	7/16"	3/16"	4"
MCD-2827	5	7/16"	3/16"	5"
MCD-2828	5	7/16"	3/16"	6"
MCD-2829	6	1/2"	7/32"	4"
MCD-2830	6	1/2"	7/32"	5"
MCD-2831	6	1/2"	7/32"	6"
MCD-2832	7	5/8"	1/4"	6"
MCD-2833	8	3/4"	5/16"	6"

### SET OF PLAIN TYPE

ITEM NO	RANGE	NO OF PC
MCD-2834	1/8"X4", 3/16"X4", 1/4"X4", 5/16"X5" & 7/16X6"	

## HSS CENTER DRILL



ITEM NO	BS NO	BODY DIA	PILOT DIA	OVERALL LENGTH
MHC-2835	1	1/8	3/64	1.1/2
MHC-2836	2	3/16	1/16	1.3/4
MHC-2837	3	1/4	3/32	2
MHC-2838	4	5/16	1/8	2.1/4
MHC-2839	5	7/16	3/16	2.1/2
MHC-2840	6	5/8	1/4	3
MHC-2841	7	3/4	5/16	3.1/2

# CUTTING TOOLS

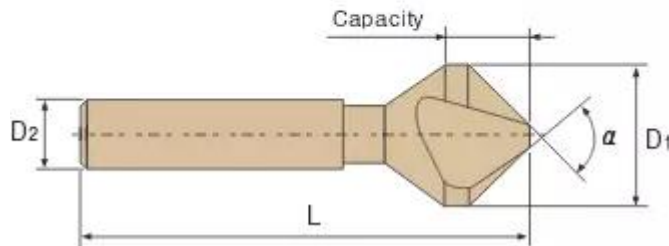
**SIMRAN TOOLS**

## SET OF HSS CENTER REAMERS



ITEM NO			RANGE	NO OF PC	PACKING
60°	82°	90°			
MHC-2842	MHC-2844	MHC-2846	1/4", 3/8" & 1/2"	3	PLASTIC POUCH
MHC-2843	MHC-2845	MHC-2847	1/4", 3/8" & 1/2", 3/4" & 1"	5	WOOD STAND

## COUNTERSINK 3 FLUTE



60°		90°		D	D1
ITEM NO	L	ITEM NO	L		
MSF-2887	45	MSF-2894	45	6.3	5
MSF-2888	50	MSF-2895	50	8	6
MSF-2889	50	MSF-2896	50	10	6
MSF-2890	56	MSF-2897	56	12.5	8
MSF-2891	63	MSF-2898	60	16	10
MSF-2892	67	MSF-2899	63	20	10
MSF-2893	71	MSF-2900	67	25	10

## SIX FLUTE COUNTERSINKS



ITEM NO			SIZE	SHANK DIAMETER	OVERALL LENGTH
60°	82°	90°			
MSF-2848	MSF-2861	MSF-2874	3/16"	3/16"	1-1/2"
MSF-2849	MSF-2862	MSF-2875	1/4"	1/4"	2"
MSF-2850	MSF-2863	MSF-2876	5/16"	1/4"	2"
MSF-2851	MSF-2864	MSF-2877	3/8"	1/4"	2"
MSF-2852	MSF-2865	MSF-2878	1/2"	1/4"	2"
MSF-2853	MSF-2866	MSF-2879	5/8"	1/2"	2-3/4"
MSF-2854	MSF-2867	MSF-2880	3/4"	1/2"	2-3/4"
MSF-2855	MSF-2868	MSF-2881	7/8"	1/2"	2-3/4"
MSF-2856	MSF-2869	MSF-2882	1"	1/2"	2-3/4"
MSF-2857	MSF-2870	MSF-2883	1-1/4"	3/4"	3-3/8"
MSF-2858	MSF-2871	MSF-2884	1-1/4"	3/4"	3-1/2"
MSF-2859	MSF-2872	MSF-2885	1-3/4"	1"	4-1/4"
MSF-2860	MSF-2873	MSF-2886	2"	1"	4-3/8"

## HSS SINGLE FLUTE COUNTERSINKS



ITEM NO				SIZE	SHANK DIA	OVERALL LENGTH
60°	82°	90°	100°			
MSF2901	MSF2913	MSF2925	MSF2937	3/16"	3/16"	1-1/2"
MSF2902	MSF2914	MSF2926	MSF2938	1/4"	1/4"	2"
MSF2903	MSF2915	MSF2927	MSF2939	5/16"	1/4"	2"
MSF2904	MSF2916	MSF2928	MSF2940	3/8"	1/4"	2"
MSF2905	MSF2917	MSF2929	MSF2941	1/2"	1/4"	2"
MSF2906	MSF2918	MSF2930	MSF2942	5/8"	1/2"	2-3/4"
MSF2907	MSF2919	MSF2931	MSF2943	3/4"	1/2"	2-3/4"
MSF2908	MSF2920	MSF2932	MSF2944	7/8"	1/2"	2-3/4"
MSF2909	MSF2921	MSF2933	MSF2945	1"	1/2"	2-3/4"
MSF2910	MSF2922	MSF2934	MSF2946	1-1/4"	3/4"	3"
MSF2911	MSF2923	MSF2935	MSF2947	1-1/4"	3/4"	3-3/8"
MSF2912	MSF2924	MSF2936	MSF2948	1-3/4"	3/4"	3-3/4"

## SETS OF SIX FLUTE COUNTERSINKS

ITEM NO			RANGE	NO OF PC	PACKING
60°	82°	90°			
MSF-2949	MSF-2953	MSF-2957	1/4", 3/8" & 1/2"	3	PLASTIC POUCH
MSF-2950	MSF-2954	MSF-2958	1/4", 3/8" & 1/2", 3/4" & 1"	5	WOOD STAND
MSF-2951	MSF-2955	MSF-2959	1/4", 3/8" & 1/2", 3/4" & 1/2", 5/8", 3/4", 7/8" & 1"	8	WOOD STAND
MSF-2952	MSF-2956	MSF-2960	1/4", 3/8" & 1/2", 3/4" & 1/2", 5/8", 3/4", 7/8" & 1"	10	WOOD STAND



## TAPER PIPE REAMERS



CAT NO.		N.P.T SIZE	FLUTE LENGTH	NOMINAL DIAMETER		OVERALL LENGTH
SPIRAL FLUTE	STRAIGHT FLUTE			LARGE SIZE	SMALL END	
MTP-2961	MTP-2970	1/8"	3/4"	.362"	.316"	2-1/8"
MTP-2962	MTP-2971	1/4"	1-1/16"	.472"	.406"	2-7/16"
MTP-2963	MTP-2972	3/8"	1-1/16"	.606"	.540"	2-9/16"
MTP-2964	MTP-2973	1/2"	1-3/8"	.751"	.665"	3-1/8"
MTP-2965	MTP-2974	3/4"	1-3/8"	.962"	.876"	8-1/4"
MTP-2966	MTP-2975	1"	1-3/4"	1.212"	1.103"	3-3/4"
MTP-2967	MTP-2976	1-1/4"	1-3/4"	1.553"	1.444"	4"
MTP-2968	MTP-2977	1-1/2"	1-3/4"	1.793"	1.684"	4-1/4"
MTP-2969	MTP-2978	2"	1-3/4"	2.268"	2.159"	4-1/2"

## SETS OF TAPER PIPE REAMERS

CAT NO.		RANGE	NO. OF PC
STRAIGHT FLUTE	SPIRAL FLUTE		
MTP-2979	MTP-2981	3/8", 1/2", 3/4" & 1"	4
MTP-2980	MTP-2982	1/4", 3/8", 1/2", 3/4" & 1"	5

## TAPER PIN REAMERS

(AS PER ANSI B94.2)

CAT NO.			SIZE	SHANK DIA.	DIAMETER		FLUTE LENGTH	OVERALL LENGTH
STRAIGHT FLUTE	SPIRAL FLUTE	HELICAL FLUTE			SMALL END	LARGE END		
MTP-2983ST	MTP-2983SF	MTP-2983F	7/0	5/64"	.0497"	.0666"	13/16"	1-13/16"
MTP-2984ST	MTP-2984SF	MTP-2984F	6/0	3/32"	.0611"	.0806"	15/16"	1-15/16"
MTP-2985ST	MTP-2985SF	MTP-2985F	5/0	7/64"	.0719"	.0966"	1-3/16"	2-3/16"
MTP-2986ST	MTP-2986SF	MTP-2986F	4/0	1/8"	.0869"	.1142"	1-5/16"	2-5/16"
MTP-2987ST	MTP-2987SF	MTP-2987F	3/0	9/64"	.1029"	.1302"	1-5/16"	2-5/16"
MTP-2988ST	MTP-2988SF	MTP-2988F	2/0	5/32"	.1137"	.1462"	1-9/16"	2-9/16"
MTP-2989ST	MTP-2989SF	MTP-2989F	0	11/64"	.1287"	.1638"	1-11/16"	2-15/16"
MTP-2990ST	MTP-2990SF	MTP-2990F	1	3/16"	.1447"	.1798"	1-11/16"	2-15/16"
MTP-2991 <sup>ST</sup>	MTP-2991SF	MTP-2991F	2	13/64"	.1605"	.2008"	1-15/16"	3-3/16"
MTP-2992ST	MTP-2992SF	MTP-2992F	3	15/64"	.1813"	.2294"	2-5/16"	3-11/16"
MTP-2993ST	MTP-2993SF	MTP-2993F	4	17/64"	.2071"	.2604"	2-9/16"	4-1/16"
MTP-2994ST	MTP-2994SF	MTP-2994F	5	5/16"	.2409"	.2994"	2-13/16"	4-5/16"
MTP-2995ST	MTP-2995SF	MTP-2995F	6	23/64"	.2773"	.3540"	3-11/16"	5-7/16"
MTP-2996ST	MTP-2996SF	MTP-2996F	7	13/32"	.3297"	.4220"	4-7/16"	6-5/16"
MTP-2997ST	MTP-2997SF	MTP-2997F	8	7/16"	.3971"	.5050"	5-3/16"	7-3/16"
MTP-2998ST	MTP-2998SF	MTP-2998F	9	9/16"	.4805"	.6066"	6-1/16"	8-5/16"
MTP-2999ST	MTP-2999SF	MTP-2999F	10	5/8"	.5799"	.7216"	6-13/16"	9-5/16"
MTP-3000ST	MTP-3000SF	MTP-3000F	11	3/4"	.7060"	.8780"	8-1/4"	11-1/4"
MTP-3001ST	MTP-3001SF	MTP-3001F	12	7/8"	.8420"	1.0500"	10"	13-5/8"
MTP-3002ST	MTP-3002SF	MTP-3002F	13	1-1/4"	1.0090"	1.2590"	12"	16"
MTP-3003ST	MTP-3003SF	MTP-3003F	14	1-1/2"	1.2500"	1.5420"	14"	18-1/4"



## SET OF TAPER PIN REAMERS

TAPER 1/4" PER FOOT (1 TO 48)

CAT NO.			RANGE	NO. OF PC
STRAIGHT FLUTE	SPIRAL FLUTE	HELICAL FLUTE		
MTP-3004ST	MTP-3004SF	MTP-3004H	7/0 to 0	7
MTP-3005ST	MTP-3005SF	MTP-3005H	0 to 5	6
MTP-3006ST	MTP-3006SF	MTP-3006H	0 to 10	11
MTP-3007ST	MTP-3007SF	MTP-3007H	7/0 to 10	17



# CUTTING TOOLS

**SIMRAN TOOLS**

## CHUCKING REAMERS – STRAIGHT SHANK

(AS PER ANSI B94.2)



CAT NO.		SIZE	DECIMAL EQUIVALENT	FLUTE LENGTH	OVERALL LENGTH	NO. OF FLUTES
STRAIGHT FLUTE	SPIRAL FLUTE					
MCR-3008	MCR-3057	1/8"	.1250"	7/8"	3-1/2"	4
MCR-3009	MCR-3058	9/64"	.1406"	1"	4"	4
MCR-3010	MCR-3059	5/32"	.1562"	1"	4"	4
MCR-3011	MCR-3060	11/64"	.1719"	1-1/8"	4-1/2"	6
MCR-3012	MCR-3061	3/16"	.1875"	1-1/8"	4-1/2"	6
MCR-3013	MCR-3062	13/64"	.2031"	1-1/4"	5"	6
MCR-3014	MCR-3063	7/32"	.2188"	1-1/4"	5"	6
MCR-3015	MCR-3064	15/64"	.2344"	1-1/2"	6"	6
MCR-3016	MCR-3065	1/4"	.2500"	1-1/2"	6"	6
MCR-3017	MCR-3066	17/64"	.2656"	1-1/2"	6"	6
MCR-3018	MCR-3067	9/32"	.2812"	1-1/2"	6"	6
MCR-3019	MCR-3068	19/64"	.2969"	1-1/2"	6"	6
MCR-3020	MCR-3069	5/16"	.3125"	1-1/2"	6"	6
MCR-3021	MCR-3070	21/64"	.3281"	1-1/2"	6"	6
MCR-3022	MCR-3071	11/32"	.3438"	1-1/2"	6"	6
MCR-3023	MCR-3072	23/64"	.3594"	1-3/4"	7"	6
MCR-3024	MCR-3073	3/8"	.3750"	1-3/4"	7"	6
MCR-3025	MCR-3074	25/64"	.3906"	1-3/4"	7"	6
MCR-3026	MCR-3075	13/32"	.4062"	1-3/4"	7"	6
MCR-3027	MCR-3076	27/64"	.4219"	1-3/4"	7"	6
MCR-3028	MCR-3077	7/16"	.4375"	1-3/4"	7"	6
MCR-3029	MCR-3078	29/64"	.4531"	1-3/4"	7"	6
MCR-3030	MCR-3079	15/32"	.4688"	1-3/4"	7"	6
MCR-3031	MCR-3080	31/64"	.4844"	2"	8"	6
MCR-3032	MCR-3081	1/2"	.5000"	2"	8"	6
MCR-3033	MCR-3082	17/32"	.5312"	2"	8"	6
MCR-3034	MCR-3083	9/16"	.5625"	2"	8"	6
MCR-3035	MCR-3084	19/32"	.5938"	2"	8"	6
MCR-3036	MCR-3085	5/8"	.6250"	2-1/4"	9"	8
MCR-3037	MCR-3086	21/32"	.6562"	2-1/4"	9"	8
MCR-3038	MCR-3087	11/16"	.6875"	2-1/4"	9"	8
MCR-3039	MCR-3088	23/32"	.7188"	2-1/4"	9"	8
MCR-3040	MCR-3089	3/4"	.7500"	2-1/2"	9-1/2"	8
MCR-3041	MCR-3090	25/32"	.7812"	2-1/2"	9-1/2"	8
MCR-3042	MCR-3091	13/16"	.8125"	2-1/2"	9-1/2"	8
MCR-3043	MCR-3092	27/32"	.8438"	2-1/2"	9-1/2"	8
MCR-3044	MCR-3093	7/8"	.8750"	2-5/8"	10"	8
MCR-3045	MCR-3094	29/32"	.9062"	2-5/8"	10"	8
MCR-3046	MCR-3095	15/16"	.9375"	2-5/8"	10"	8
MCR-3047	MCR-3096	31/32"	.9688"	2-5/8"	10"	8
MCR-3048	MCR-3097	1"	1.0000"	2-3/4"	10-1/2"	8
MCR-3049	MCR-3098	1-1/16"	1.0625"	2-3/4"	10-1/2"	10
MCR-3050	MCR-3099	1-1/8"	1.1250"	2-7/8"	11"	10
MCR-3051	MCR-3100	1-3/16"	1.1875"	2-7/8"	11"	10
MCR-3052	MCR-3101	1-1/4"	1.2500"	3"	11-1/2"	10
MCR-3053	MCR-3102	1-5/16"	1.3125"	3-1/4"	12"	10
MCR-3054	MCR-3103	1-3/8"	1.3750"	3-1/4"	12"	12
MCR-3055	MCR-3104	1-7/16"	1.4375"	3-1/2"	12-1/2"	12
MCR-3056	MCR-3105	1-1/2"	1.5000"	3-1/2"	12-1/2"	12

## MORSE TAPER FINISHING REAMERS – STRAIGHT FLUTE



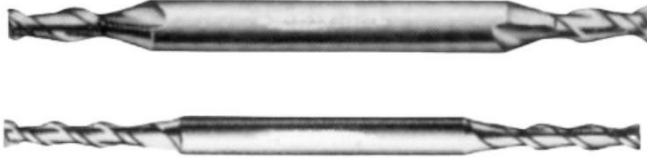
Cat No.		Diameter Of Reamer			Flute Length	Overall Length	
Hand Style	Machine Style	Size	Small End	Large End		Hand Style	Machine Style
MMT-3106	MMT-3112	0MY	.2503"	.3674"	2-1/4"	3-3/4"	5-11/32"
MMT-3107	MMT-3113	1MY	.3674"	.5170"	3"	5"	6-5/16"
MMT-3108	MMT-3114	2MT	.5696"	.7444"	3-1/2"	6"	7-3/8"
MMT-3109	MMT-3115	3MT	.7748"	.9881"	4-1/4"	7-1/4"	8-7/8"
MMT-3110	MMT-3116	4MT	1.0167"	1.2893"	5-1/4"	8-1/2"	10-7/8"
MMT-3111	MMT-3117	5MT	1.4717"	1.8005"	6-1/4"	9-3/4"	13-1/8"

## CHUCKING REAMERS - TAPER SHANK



CAT NO.		SIZE	FLUTE LENGTH	OVERALL LENGTH	MT SHANK
STRAIGHT FLUTE	SPIRAL FLUTE				
MCR-3118	MCR-3151	1/4"	1-1/2"	6"	1
MCR-3119	MCR-3152	9/32"	1-1/2"	6"	1
MCR-3120	MCR-3153	5/16"	1-1/2"	6"	1
MCR-3121	MCR-3154	11/32"	1-1/2"	6"	1
MCR-3122	MCR-3155	3/8"	1-3/4"	7"	1
MCR-3123	MCR-3156	13/32"	1-3/4"	7"	1
MCR-3124	MCR-3157	7/16"	1-3/4"	7"	1
MCR-3125	MCR-3158	15/32"	1-3/4"	7"	1
MCR-3126	MCR-3159	1/2"	2"	8"	1
MCR-3127	MCR-3160	17/32"	2"	8"	1
MCR-3128	MCR-3161	9/16"	2"	8"	1
MCR-3129	MCR-3162	19/32"	2"	8"	1
MCR-3130	MCR-3163	5/8"	2-1/4"	9"	2
MCR-3131	MCR-3164	21/32"	2-1/4"	9"	2
MCR-3132	MCR-3165	11/16"	2-1/4"	9"	2
MCR-3133	MCR-3166	23/32"	2-1/4"	9"	2
MCR-3134	MCR-3167	3/4"	2-1/2"	9-1/2"	2
MCR-3135	MCR-3168	25/32"	2-1/2"	9-1/2"	2
MCR-3136	MCR-3169	13/16"	2-1/2"	9-1/2"	2
MCR-3137	MCR-3170	27/32"	2-1/2"	9-1/2"	2
MCR-3138	MCR-3171	7/8"	2-5/8"	10"	2
MCR-3139	MCR-3172	29/32"	2-5/8"	10"	2
MCR-3140	MCR-3173	15/16"	2-5/8"	10"	3
MCR-3141	MCR-3174	31/32"	2-5/8"	10"	3
MCR-3142	MCR-3175	1"	2-1/4"	10-1/2"	3
MCR-3143	MCR-3176	1-1/16"	2-1/4"	10-1/2"	3
MCR-3144	MCR-3177	1-1/8"	2-7/8"	11"	3
MCR-3145	MCR-3178	1-3/16"	2-7/8"	11"	3
MCR-3146	MCR-3179	1-1/4"	3"	11-1/2"	4
MCR-3147	MCR-3180	1-5/16"	3"	11-1/2"	4
MCR-3148	MCR-3181	1-3/8"	3-1/4"	12"	4
MCR-3149	MCR-3182	1-7/16"	3-1/4"	12"	4
MCR-3150	MCR-3183	1-1/2"	3-1/2"	12-1/2"	4

## MINIATURE DOUBLE END MILLS -3/16" SHANK



### (A). STUB LENGTH L = 2"

Cat No.		Size D	Length Of Cut W
2 Flute	4 Flute		
MMD-3134	MMD-3141	3/32"	9/64"
MMD-3135	MMD-3142	7/64"	5/32"
MMD-3136	MMD-3143	1/8"	3/16"
MMD-3137	MMD-3144	9/64"	7/32"
MMD-3138	MMD-3145	5/32"	15/64"
MMD-3139	MMD-3146	11/64"	1/4"
MMD-3140	MMD-3147	3/16"	9/32"

### (B). REGULER LENGTH L = 2.1/4"

Cat No.		Size D	Length Of Cut W
2 Flute	4 Flute		
MMD-3148	MMD-3155	3/32"	9/32"
MMD-3149	MMD-3156	7/64"	21/64"
MMD-3150	MMD-3157	1/8"	3/8"
MMD-3151	MMD-3158	9/64"	13/32"
MMD-3152	MMD-3159	5/32"	7/16"
MMD-3153	MMD-3160	11/64"	1/2"
MMD-3154	MMD-3161	3/16"	1/2"

### (C). LONG LENGTH (AS PER ANSI B94.19)

Cat No.		Size D	Length Below Shank B	Length Of Cut W	Overall Length L
2 Flute	4 Flute				
MMD-3162	MMD-3169	3/32"	1/2"	9/32"	2-5/8"
MMD-3163	MMD-3170	7/64"	1/2"	9/32"	2-5/8"
MMD-3164	MMD-3171	1/8"	3/4"	3/4"	3-1/8"
MMD-3165	MMD-3172	9/64"	3/4"	3/4"	3-1/8"
MMD-3166	MMD-3173	5/32"	7/8"	7/8"	3-1/4"
MMD-3167	MMD-3174	11/64"	7/8"	7/8"	3-1/4"
MMD-3168	MMD-3175	3/16"	1"	1"	3-3/8"

## SINGLE-END END MILLS



### (A). SINGLE END 2 FLUTE

(AS PER ANSI B94.19)

CAT NO.	SIZE D	SHANK DIA. S	FLUTE LENGHT W	OVERALL LENGTH L
MSE-3176	1/8"	3/8"	3/8"	2-5/16"
MSE-3177	5/32"	3/8"	7/16"	2-5/16"
MSE-3178	3/16"	3/8"	7/16"	2-5/16"
MSE-3179	7/32"	3/8"	1/2"	2-5/16"
MSE-3180	1/4"	3/8"	1/2"	2-5/16"
MSE-3181	9/32"	3/8"	9/16"	2-5/16"
MSE-3182	5/16"	3/8"	9/16"	2-5/16"
MSE-3183	11/32"	3/8"	9/16"	2-5/16"
MSE-3184	3/8"	3/8"	9/16"	2-5/16"
MSE-3185	13/32"	3/8"	13/16"	2-1/2"
MSE-3186	7/16"	3/8"	13/16"	2-1/2"
MSE-3187	15/32"	1/2"	1"	3"
MSE-3188	1/2"	3/8"	13/16"	2-1/2"
MSE-3189	1/2"	1/2"	1"	3"
MSE-3190	17/32"	1/2"	1-1/8"	3-1/8"
MSE-3191	9/16"	1/2"	1-1/8"	3-1/8"
MSE-3192	19/32"	1/2"	1-1/8"	3-1/8"
MSE-3193	5/8"	1/2"	1-1/8"	3-1/8"
MSE-3194	5/8"	5/8"	1-5/16"	3-7/16"
MSE-3195	21/32"	1/2"	1-5/16"	3-5/16"
MSE-3196	11/16"	1/2"	1-5/16"	3-5/16"
MSE-3197	11/16"	5/8"	1-5/16"	3-7/16"
MSE-3198	23/32"	1/2"	1-5/16"	3-5/16"
MSE-3199	3/4"	1/2"	1-5/16"	3-5/16"
MSE-3200	3/4"	5/8"	1-5/16"	3-7/16"
MSE-3201	3/4"	3/4"	1-5/16"	3-7/16"

6PC SET OF END MILL SINGLE END DOUBLE FLUTE 3/8" SHANK CONSISTING OF 1/8", 3/16", 1/4", 5/16", 3/8" & 1/2"



### (B). SINGLE END 4 FLUTE

(AS PER ANSI B94.19)

CAT NO.	SIZE D	SHANK DIA. S	FLUTE LENGTH W	OVERALL LENGTH L
MSE-3202	1/8"	3/8"	3/8"	2-5/16"
MSE-3203	5/32"	3/8"	7/16"	2-3/8"
MSE-3204	3/16"	3/8"	1/2"	2-3/8"
MSE-3205	7/32"	3/8"	5/8"	2-1/2"
MSE-3206	1/4"	3/8"	5/8"	2-1/2"
MSE-3207	9/32"	3/8"	5/8"	2-1/2"
MSE-3208	5/16"	3/8"	3/4"	2-1/2"
MSE-3209	11/32"	3/8"	3/4"	2-1/2"
MSE-3210	3/8"	3/8"	3/4"	2-1/2"
MSE-3211	13/32"	3/8"	1"	2-11/16"
MSE-3212	7/16"	3/8"	1"	2-11/16"
MSE-3213	15/32"	3/8"	1"	2-11/16"
MSE-3214	1/2"	3/8"	1"	2-11/16"
MSE-3215	1/2"	1/2"	1-1/4"	3-1/4"

6PC Set Of End Mill Single End 4 Flute 3/8" Shank Consisting Of 1/8", 3/16", 1/4", 5/16", 3/8" & 1/2"

## DOUBLE-END HSS END MILLS

### (A). DOUBLE END 2 FLUTE

(AS PER ANSI B94.19)



CAT NO.	SIZE D	SHANK DIA. S	FLUTE LENGTH W	OVERALL LENGTH L
MDE-3216	7/64"	3/8"	3/8"	3-1/16"
MDE-3217	1/8"	3/8"	3/8"	3-1/16"
MDE-3218	9/64"	3/8"	7/16"	3-1/8"
MDE-3219	5/32"	3/8"	7/16"	3-1/8"
MDE-3220	11/64"	3/8"	7/16"	3-1/8"
MDE-3221	3/16"	3/8"	7/16"	3-1/8"
MDE-3222	13/64"	3/8"	1/2"	3-1/8"
MDE-3223	7/32"	3/8"	1/2"	3-1/8"
MDE-3224	15/64"	3/8"	1/2"	3-1/8"
MDE-3225	1/4"	3/8"	1/2"	3-1/8"
MDE-3226	17/64"	3/8"	9/16"	3-1/8"
MDE-3227	9/32"	3/8"	9/16"	3-1/8"
MDE-3228	19/64"	3/8"	9/16"	3-1/8"
MDE-3229	5/16"	3/8"	9/16"	3-1/8"
MDE-3230	21/64"	3/8"	9/16"	3-1/8"
MDE-3231	11/32"	3/8"	9/16"	3-1/8"
MDE-3232	23/64"	3/8"	9/16"	3-1/8"
MDE-3233	3/8"	3/8"	9/16"	3-1/8"
MDE-3234	25/64"	1/2"	13/16"	3-1/4"
MDE-3235	13/32"	1/2"	13/16"	3-1/4"
MDE-3236	27/64"	1/2"	13/16"	3-1/4"
MDE-3237	7/16"	1/2"	13/16"	3-1/4"
MDE-3238	29/64"	1/2"	13/16"	3-1/4"
MDE-3239	15/32"	1/2"	13/16"	3-1/4"
MDE-3240	31/64"	1/2"	13/16"	3-1/4"
MDE-3241	1/2"	1/2"	13/16"	3-1/4"

6PC OF DOUBLE END MILLS 2 FLUTE 3/8" SHANK CONSISTING OF 1/8", 5/32", 3/16", 1/4", 5/16", &, 3/8"

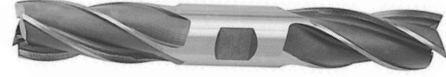
## SET OF STRAIGHT SHANK CHUCKING REAMERS



Cat No.		Range	No. Of PC
Straight Flute	Spiral Flute		
MSS-3367	MSS-3371	1/8" To 1/2" By 1/64"	25
MSS-3368	MSS-3372	1/8" To 1/2" By 1/16"	7
MSS-3369	MSS-3373	1/16" To 1/2" By 1/64"	29
MSS-3370	MSS-3374	2, 25, 3, 3.5, 4, 4.5, 5, 5.5,, 6, 7, 8, 9, 10, 11 & 12mm	15

### (B). HSS DOUBLE END 4 FLUTE

(AS PER ANSI B94.19)



CAT NO.	SIZE D	SHANK DIA. S	FLUTE LENGTH W	OVERALL LENGTH L
MDE-3241	7/64"	3/8"	3/8"	3-1/16"
MDE-3242	1/8"	3/8"	3/8"	3-1/16"
MDE-3243	9/64"	3/8"	7/16"	3-1/8"
MDE-3244	5/32"	3/8"	7/16"	3-1/8"
MDE-3245	11/64"	3/8"	1/2"	3-1/4"
MDE-3246	3/16"	3/8"	1/2"	3-1/4"
MDE-3247	13/64"	3/8"	9/16"	3-1/4"
MDE-3248	7/32"	3/8"	9/16"	3-1/4"
MDE-3249	15/64"	3/8"	5/8"	3-3/8"
MDE-3250	1/4"	3/8"	5/8"	3-3/8"
MDE-3251	17/64"	3/8"	11/16"	3-3/8"
MDE-3252	9/32"	3/8"	11/16"	3-3/8"
MDE-3253	19/64"	3/8"	3/4"	3-1/2"
MDE-3254	5/16"	3/8"	3/4"	3-1/2"
MDE-3255	21/64"	3/8"	3/4"	3-1/2"
MDE-3256	11/32"	3/8"	3/4"	3-1/2"
MDE-3257	23/64"	3/8"	3/4"	3-1/2"
MDE-3258	3/8"	3/8"	3/4"	3-1/2"
MDE-3259	25/64"	1/2"	1"	4-1/8"
MDE-3260	13/32"	1/2"	1"	4-1/8"
MDE-3261	27/64"	1/2"	1"	4-1/8"
MDE-3262	7/16"	1/2"	1"	4-1/8"
MDE-3263	29/64"	1/2"	1"	4-1/8"
MDE-3264	15/32"	1/2"	1"	4-1/8"
MDE-3265	31/64"	1/2"	1"	4-1/8"
MDE-3266	1/2"	1/2"	1"	4-1/8"

6PC OF DOUBLE END MILLS 4 FLUTE 3/8" SHANK CONSISTING OF 1/8", 5/32", 3/16", 1/4", 5/16", &, 3/8"

## SET OF OVER AND UNDER CHUCKING REAMERS



CAT NO.	RANGE	DESCRIPTION	NO. OF PC
MOU-3375	1/8" to 1/2" by 1/16" (.124 thru .501)	Straight Shank & Straight Flute	14

## SOCKET CAP SCREW COUNTER BORES



### STRAIGHT SHANK METRIC

CAT NO.	TO SIUT CAPSCREW	PILOT DAI.	CUTTING DAI.	SHANK DAI.	OVERALL LENGTH
MSC-3376M	M3	3.2	6	5	71
MSC-3377M	M3.5	3.7	6.5	5	71
MSC-3378M	M4	4.3	8	5	71
MSC-3379M	M5	5.3	10	8	80
MSC-3380M	M6	6.4	11	8	80
MSC-3381M	M8	8.4	15	12.5	100
MSC-3382M	M10	10.5	18	12.5	100
MSC-3383M	M12	13	20	12.5	100

### INCHES

CAT NO	SCREW SIZE	PILOT DAI.	CUTTING DAI.	SHANK DAI.	OVERALL LENGTH
MSC-3376I	1/4"	9/32"	13/32"	3/8"	5"
MSC-3377I	5/16"	11/32"	1/2"	7/16"	5"
MSC-3378I	3/8"	13/32"	19/32"	1/2"	6"
MSC-3379I	7/16"	15/32"	11/16"	1/2"	7"
MSC-3380I	1/2"	17/32"	25/32"	3/4"	7-1/2"
MSC-3381I	5/8"	21/32"	31/32"	3/4"	7-1/2"
MSC-3382I	3/4"	25/32"	1-3/16"	1"	8"

## SETS OF STRAIGHT SHANK COUNTER BORES



CAT NO.	RANGE	NO. OF PC
MSS-3416	6,8,10,1/4" , 5/16" , 3/8" & 1/2"	7
MSS-3417	1/4" , 5/16" , 3/8" , 1/2" , 5/8" & 3/4"	6
MSS-3418	M4, M5, M6, M8, M10 & M12	6

## DOVETAIL CUTTER SINGLE ANGLE



(AS PER ANSI / ASME B94.19)

CAT NO.		SIZE	CUTTER WIDTH		SHANK DAI.	OVERALL LENGTH
45°	60°		45°	60°		
MDC-3384	MDC-3392	3/8"	1/8"	3/16"	3/8"	2-1/8"
MDC-3385	MDC-3393	1/2"	5/32"	1/4"	3/8"	2-1/8"
MDC-3386	MDC-3394	3/4"	1/4"	5/16"	3/8"	2-1/8"
MDC-3387	MDC-3395	1"	1/4"	7/16"	1/2"	2-1/2"
MDC-3388	MDC-3396	1-3/8"	7/16"	9/16"	5/8"	2-7/8"
MDC-3389	MDC-3397	1-7/8"	9/16"	13/16"	7/8"	3-1/4"
MDC-3390	MDC-3398	2-1/4"	5/8"	1-1/16"	1"	3-3/4"
MDC-3391	MDC-3399	2-1/2"	3/4"	1-1/8"	1"	3-3/4"

### SETS OF DOVETAIL CUTTER

(AS PER ANSI / ASME B94.19)

CAT NO		SIZE	NO. OF PC	PACKING
45°	60°			
MDC-3400	MDC-3402	3/8", 1/2", & 3/4"	3	PLASTIC POUCH
MDC-3401	MDC-3403	3/8", 1/2", 3/4", 1-3/8" & 1-7/8"	5	WOOD STAND

## DOUBLE ANGLE SHANK TYPE CUTTERS



### (A). 60° DOUBLE ANGLE

CAT NO.	CUTTER WIDTH	FACE WIDTH	SHAN DAI.	OVERALL LENGTH
MDA-3404	3/4"	3/16"	3/8"	3/8"
MDA-3405	1"	5/16"	1/2"	1/2"
MDA-3406	1-3/8"	7/16"	5/8"	5/8"
MDA-3407	1-1/2"	1/2"	5/8"	5/8"
MDA-3408	1-7/8"	5/8"	3/4"	3/4"
MDA-3409	2-1/4"	3/4"	7/8"	7/8"

### (B). 90° DOUBLE ANGLE

CAT NO.	CUTTER DAI.	FACE WIDTH	SHANK DAI.	OVERALL LENGTH
MDA-3410	3/4"	1/4"	3/8"	2-7/16"
MDA-3411	1"	3/8"	1/2"	2-29/32"
MDA-3412	1-3/8"	1/2"	5/8"	3-9/32"
MDA-3413	1-1/2"	9/16"	5/8"	3-7/16"
MDA-3414	1-7/8"	5/8"	3/4"	3-25/32"
MDA-3415	2-1/4"	3/4"	7/8"	4-5/32"

## INVERTED DOVETAIL CUTTERS



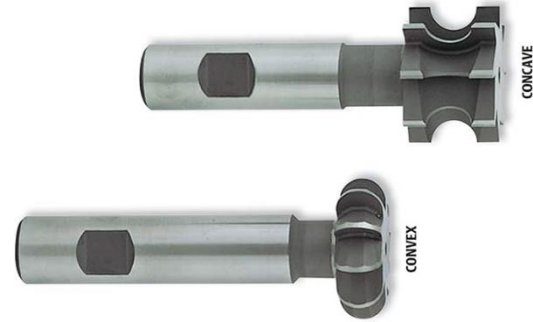
### METRIC

45°		60°		D	D1	NO. OF TEETH
CAT NO.	W	CAT NO.	W			
MID-3419M	4	MID-3424M	6.3	16	12	6
MID-3420M	5	MID-3425M	8	20	12	8
MID-3421M	6-3	MID-3426M	10	25	12	10
MID-3422M	8	MID-3427M	12.5	32	16	12
MID-3423M	10	MID-3428M	16	40	16	14

### (INCHES)

CAT NO.		SIZE	CUTTER WIDTH		SHANK DIA.	OVERALL LENGTH
45°	60°		45°	60°		
MID-3419I	MID-3424I	1/2"	1/8"	7/32"	3/8"	2-1/8"
MID-3420I	MID-3425I	3/4"	3/16"	5/16"	3/8"	2-1/8"
MID-3421I	MID-3426I	1"	5/16"	7/16"	1/2"	2-1/2"
MID-3422I	MID-3427I	1-1/2"	1/2"	5/8"	3/4"	2-3/4"

## RADIUS SHANK TYPE CUTTERS



### (A). CONCAVE

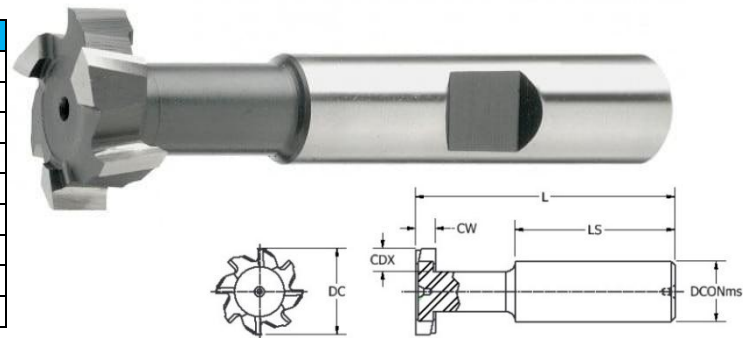
CAT NO.	RADIIA	CUTTER DIA.	SHANK DIA.	NO OF FLUTES	OVERALL LENGTH
MRS-3429	1/32"	3/4"	1/2"	6	3"
MRS-3430	1/16"	3/4"	1/2"	6	3"
MRS-3431	3/32"	3/4"	1/2"	6	3"
MRS-3432	1/8"	1"	3/4"	6	3-1/2"
MRS-3433	5/32"	1"	3/4"	6	3/1-2"
MRS-3434	3/16"	1"	3/4"	6	3-1/2"
MRS-3435	1/4"	1-1/4"	3/4"	4	4"
MRS-3436	5/16"	1-1/4"	3/4"	4	4"
MRS-3437	3/8"	1-1/2"	3/4"	4	4-3/16"

### (B). CONVEX

CAT NO.	RADIIA	CUTTER DIA..	SHANK DIA.	NO OF FLUTES	OVERALL LENGTH
MRS-3438	1/32"	3/4"	1/2"	6	3"
MRS-3439	1/16"	3/4"	1/2"	6	3"
MRS-3440	3/32"	7/8"	1/2"	6	3"
MRS-3441	1/8"	1-1/4"	3/4"	6	3-1/2"
MRS-3442	5/32"	1-5/16"	3/4"	6	3/1-2"
MRS-3443	3/16"	1-3/8"	3/4"	6	3-1/2"
MRS-3444	1/4"	1-1-2"	3/4"	4	4"
MRS-3445	5/16"	1-5/8"	3/4"	4	4"
MRS-3446	3/8"	1-3/4"	3/4"	4	4"

## T-SLOT CUTTERS

CAT NO.	BOLT SIZE	D	W	D <sub>1</sub>	D <sub>2</sub>	l <sub>1</sub>	NO.OF TEETH
MTS-3450	6	12.5	6	10	5	57	6
MTS-3451	8	16	8	10	7	62	6
MTS-3452	10	18	8	12	8	70	6
MTS-3453	12	21	9	12	10	74	6
MTS-3454	14	25	11	16	12	82	8
MTS-3455	16	28	12	16	13	85	8
MTS-3456	18	32	14	16	15	90	8
MTS-3457	20	36	16	25	17	103	10
MTS-3458	22	40	18	25	19	108	10



CAT NO.	BOLT SIZE	CUTTER DIA.	CUTTER WIDTH	NECK DIA.	SHANK DIA.	NO.OF TEETH	O.A.L
MTS-3459	1/4"	9/16"	15/64"	17/64"	1/2"	8	2.19/32"
MTS-3460	5/16"	21/32"	17/64"	21/64"	1/2"	8	2.11/16"
MTS-3461	3/8"	25/32"	21/64"	13/32"	3/4"	8	3.1/4"
MTS-3462	1/2"	31/32"	25/64"	17/32"	3/4"	8	3.7/16"
MTS-3463	5/8"	1.1/4"	31/64"	21/32"	1"	10	3.15/16"
MTS-3464	3/4"	1.15/32"	5/8"	25/32"	1"	10	4.7/16"
MTS-3465	1"	1.27/32"	53/64"	1.1/32"	1.1/4"	10	4.13/16"
MTS-3466	1.1/4"	2.7/32"	1.3/32"	1.9/32"	1.1/4"	12	5.3/8"

# CUTTING TOOLS

**SIMRAN TOOLS**

## HSS PARALLEL SHANK END MILLS



(SPECIFICATION CONFIRM TO IS6353-1971 DIMENSION INMM)

Cat No.	Cutting Edge Dia.	Dia Of Shank	STANDARD SERIES		Cat No.	LONG SERIES	
			Cutting Edge Length	Over All Length		Cutting Edge Length	Over All Length
MHP-3467	3	4	10	42	MHP-3483	15	47
MHP-3468	4	4	11	43	MHP-3484	19	51
MHP-3469	5	5	13	47	MHP-3485	24	58
MHP-3470	6	6	16	52	MHP-3486	30	66
MHP-3471	7	6	16	52	MHP-3487	30	66
MHP-3472	8	8	19	59	MHP-3488	38	78
MHP-3473	9	8	19	59	MHP-3489	38	78
MHP-3474	10	10	22	67	MHP-3490	45	90
MHP-3475	11	10	22	67	MHP-3491	45	90
MHP-3476	12	12	26	76	MHP-3492	53	101
MHP-3477	14	12	26	76	MHP-3493	53	101
MHP-3478	16	16	32	88	MHP-3494	63	119
MHP-3479	18	16	32	88	MHP-3495	63	119
MHP-3480	20	20	38	101	MHP-3496	75	138
MHP-3481	22	20	38	101	MHP-3497	75	138
MHP-3482	25	25	45	116	MHP-3498	90	161
MHP-3483	28	25	45	116	MHP-3499	90	161

## HSS PARALLEL SHANK END MILLS



(SPECIFICATIONS CONFIRMS TO BS 122/PART1-1953 DIMENSION IN INCHES)

Cat No.	Cutting Edge Dia.	Cutting Edge Length	Overall Length	Dia Of Shank
MHP-3500	1/8	3/8	1.7/8	1/4
MHP-3501	5/32	3/8	1.7/8	1/4
MHP-3502	3/16	1/2	2	1/4
MHP-3503	7/32	1/2	2	1/4
MHP-3504	1/4	5/8	2.1/8	1/4
MHP-3505	5/16	3/4	2.1/2	3/8
MHP-3506	3/8	7/8	2.5/8	3/8
MHP-3507	7/16	7/8	2.5/8	1/2
MHP-3508	1/2	1	2.3/4	1/2
MHP-3509	9/16	1.1/8	2.7/8	1/2
MHP-3510	5/8	1.1/4	3.1/4	5/8
MHP-3511	11/16	1.3/8	3.3/8	5/8
MHP-3512	3/4	1.1/2	3.1/2	5/8
MHP-3513	13/16	1.5/8	3.5/8	3/4
MHP-3514	7/8	1.5/8	3.5/8	3/4
MHP-3515	1	1.3/4	3.3/4	3/4
MHP-3516	1.1/8	1.7/8	4.1/8	1
MHP-3517	1.1/4	2	4.1/4	1
MHP-3518	1.3/8	2.1/8	4.5/8	1
MHP-3519	1.1/2	2.1/4	4.3/4	1
MHP-3520	1.5/8	2.3/8	4.7/8	1.1/4
MHP-3521	1.3/4	2.1/2	5.1/8	1.1/4
MHP-3522	1.7/8	2.5/8	5.1/4	1.1/4
MHP-3523	2	3	5.1/2	1.1/2
MHP-3524	2.1/8	3	5.1/2	1.1/2
MHP-3525	2.1/4	3	5.5/8	1.1/2
MHP-3526	2.3/8	3.1/4	5.7/8	1.1/2
MHP-3527	2.1/2	3.1/2	6.1/8	1.1/2
MHP-3528	2.3/4	3.1/2	6.1/2	1.1/2
MHP-3529	3	3.1/2	6.1/2	2

## PARALLEL SHANK SLOT MILLING CUTTERS



Cat No.	Cutting Edge Dia.	Cutting Edge Length	Overall Length	Dia Of Shank
MPS-3530	3	6	40	6
MPS-3531	4	6	40	6
MPS-3532	5	8	45	8
MPS-3533	6	8	45	8
MPS-3534	7	10	50	10
MPS-3535	8	10	50	10
MPS-3536	9	10	50	10
MPS-3537	10	12	56	12
MPS-3538	11	12	56	12
MPS-3539	12	16	63	16
MPS-3540	14	16	63	16
MPS-3541	15	16	63	16
MPS-3542	16	18	70	18
MPS-3543	18	18	70	18
MPS-3544	20	20	80	20
MPS-3545	21	20	80	20
MPS-3546	22	22	90	22
MPS-3547	23	22	90	22
MPS-3548	24	25	100	25
MPS-3549	25	25	100	25
MPS-3550	26	25	100	25
MPS-3551	28	25	100	25

SLOT MILLING CUTTER FOR RIGHT HAND CUTTING WITH RIGHT HAND HELICAL FLUTES AND FLAT FACE(TYPE A) AND TOOL TYPE "N" SHALL BE SUPPLIED UNLESS OTHWE WISE SPECIFIED.

## PARALLEL SHANK SLOT MILLING CUTTERS



Cat No.	Cutting Edge Dia.	Cutting Edge Length	Overall Length	Dia Of Shank
MPS-3552	1/8	3/8	1.7/8	1/4
MPS-3553	5/32	3/8	1.7/8	1/4
MPS-3554	3/16	1/2	2	1/4
MPS-3555	7/32	1/2	2	1/4
MPS-3556	1/4	5/8	2.1/8	1/4
MPS-3557	5/16	3/4	2.1/2	3/8
MPS-3558	3/8	7/8	2.5/8	3/8
MPS-3559	7/16	7/8	2.5/8	1/2
MPS-3560	1/2	1	2.3/4	1/2
MPS-3561	9/16	1.1/8	2.7/8	1/2
MPS-3562	5/8	1.1/4	3.1/4	5/8
MPS-3563	11/16	1.3/8	3.3/8	5/8
MPS-3564	3/4	1.1/2	3.1/2	5/8
MPS-3565	7/8	1.5/8	3.5/8	3/4
MPS-3566	1	1.3/4	3.3/4	3/4

SLOT MILLING CUTTER FOR RIGHT HAND CUTTING WITH RIGHT HAND HELICAL FLUTES SHALL BE SUPPLIED UNLESS OTHER WISE SPECIFIED

## WOODRUFF CUTTER



CAT NO.	DIAMETER	WIDTH	DIA OF SHANK	OVERALL LENGTH	WOODRUFF KEYS TO IS 2294
MWC-3567	10.5	2	6.0	50	2 x 3.7
MWC-3568	10.5	2.5	6.0	50	2.5 x 3.7
MWC-3569	10.5	3	6.0	50	3 x 3.7
MWC-3570	13.5	3	10	56	3 x 5
MWC-3571	13.5	4	10	56	4 x 5
MWC-3572	16.5	3	10	56	3 x 6.5
MWC-3573	16.5	4	10	56	4 x 6.5
MWC-3574	16.5	5	10	56	5 x 6.5
MWC-3575	19.5	4	10	56	4 x 7.5
MWC-3576	19.5	5	10	56	5 x 7.5
MWC-3577	19.5	6	10	63	6 x 7.5
MWC-3578	22.5	5	10	63	5 x 9
MWC-3579	22.5	6	10	63	6 x 9
MWC-3580	22.5	8	10	63	8 x 9
MWC-3581	25.5	6	10	63	6 x 10
MWC-3582	28.5	6	10	63	6 x 11
MWC-3583	28.5	8	10	63	8 x 11
MWC-3584	28.5	10	12	71	10 x 11
MWC-3585	32.5	8	10	63	8 x 13
MWC-3586	32.5	10	12	71	10 x 13
MWC-3587	45.5	10	12	71	10 x 16

## WOODRUFF CUTTER



CAT NO.	BS CUTTER AND KEY NO.	DIA OF CUTTER	WIDTH OF CUTTER	OVERALL LENGTH	DIA. OF SHANK
MWC-3589	204	0.505	0.061	2	1/2
MWC-3590	304	0.505	0.093	2	1/2
MWC-3591	404	0.505	0.124	2	1/2
MWC-3592	305	0.630	0.093	2	1/2
MWC-3593	405	0.630	0.124	2	1/2
MWC-3594	505	0.630	0.155	2	1/2
MWC-3595	406	0.755	0.124	2.1/4	1/2
MWC-3596	506	0.755	0.155	2.1/4	1/2
MWC-3597	606	0.755	0.187	2.1/4	1/2
MWC-3598	507	0.880	0.155	2.1/2	1/2
MWC-3599	607	0.880	0.187	2.1/2	1/2
MWC-3600	807	0.880	0.249	2.1/2	1/2
MWC-3601	608	1.005	0.187	2.3/4	1/2
MWC-3602	808	1.005	0.249	2.3/4	1/2
MWC-3603	1008	1.005	0.311	2.3/4	1/2
MWC-3604	609	1.130	0.187	2.3/4	1/2
MWC-3605	809	1.130	0.249	2.3/4	1/2
MWC-3606	1009	1.130	0.311	2.3/4	1/2
MWC-3607	810	1.255	0.249	2.3/4	1/2
MWC-3608	1010	1.255	0.311	2.3/4	1/2
MWC-3609	1210	1.255	0.374	2.3/4	1/2
MWC-3610	1011	1.380	0.311	3	1/2
MWC-3611	1211	1.380	0.374	3	1/2
MWC-3612	812	1.505	0.249	3	1/2
MWC-3613	1012	1.505	0.311	3	1/2
MWC-3614	1212	1.505	0.374	3	1/2

## WOODRUFF CUTTER 10 PC



ITEM NO	SIZES(MM)
MWC-3588	10.5X2.5, 13.5X2.5, 13.5X3, 16.5X2.5, 16.5X4, 19.5X3, 19.5X5, 22.5X5, 22.5X6 & 25.5X6

## HSS PARALLEL HAND REAMERS



CAT NO.	NOMINAL DIAMETER	CUTTING EDGE	OVERALL LENGTH
MWC-3614	1/8	1.5/16	2.5/8
MWC-3615	5/32	1.1/2	3
MWC-3616	3/16	1.3/4	3.7/16
MWC-3617	7/32	1.7/8	3.11/16
MWC-3618	1/4	2	3.15/16
MWC-3619	9/32	2.1/8	4.3/16
MWC-3620	5/16	2.1/4	4.1/2
MWC-3621	11/32	2.7/16	4.7/8
MWC-3622	3/8	2.5/8	5.1/4
MWC-3623	13/32	2.5/8	5.1/4
MWC-3624	7/16	2.13/16	5.5/8
MWC-3625	15/32	3	6
MWC-3626	1/2	3	6
MWC-3627	9/16	3.3/16	6.7/16
MWC-3628	5/8	3.7/16	6.7/8
MWC-3629	11/16	3.11/16	7.7/16
MWC-3630	3/4	3.15/16	7.15/16
MWC-3631	13/16	3.15/16	7.15/16
MWC-3632	7/8	4.3/16	8.1/2
MWC-3633	15/16	4.1/2	9.1/16
MWC-3634	1	4.1/2	9.1/16
MWC-3635	1.1/16	4.7/8	9.3/4
MWC-3636	1.1/8	4.7/8	9.3/4
MWC-3637	1.3/16	5.1/4	10.7/16
MWC-3638	1.1/4	5.1/4	10.7/16
MWC-3639	1.5/16	5.1/4	10.7/16
MWC-3640	1.3/8	5.5/8	11.3/16
MWC-3641	1.7/16	5.5/8	11.3/16
MWC-3642	1.1/2	6	12
MWC-3643	1.5/8	6	12
MWC-3644	1.3/4	6.7/16	12.13/16
MWC-3645	1.7/8	6.7/8	13.11/16
MWC-3646	2	6.7/8	13.11/16
MWC-3647	2.1/16	6.7/8	13.11/16
MWC-3648	2.1/8	7.1/4	14.7/16
MWC-3649	2.3/16	7.1/4	14.7/16
MWC-3650	2.1/4	7.1/4	14.7/16
MWC-3651	2.5/16	7.1/4	14.7/16
MWC-3652	2.3/8	7.5/8	15.1/4
MWC-3653	2.7/16	7.5/8	15.1/4
MWC-3654	2.1/2	7.5/8	15.1/4

## HSS PARALLEL HAND REAMERS



SPECIFICATION CONFIRM TO IS 5445-1987 DIMENSIONS IS MM)

CAT NO.	DIAMETER	CUTTING EDGE LENGTH	OVERALL LENGTH
MHP-3655	3.0	31	62
MHP-3656	3.5	35	71
MHP-3657	4.0	38	76
MHP-3658	4.5	41	81
MHP-3659	5.0	44	87
MHP-3660	5.5	47	93
MHP-3661	6.0	47	93
MHP-3662	7.0	54	107
MHP-3663	8.0	58	115
MHP-3664	9.0	62	124
MHP-3665	10.0	66	133
MHP-3666	11.0	71	142
MHP-3667	12.0	76	152
MHP-3668	13.0	76	152
MHP-3669	14.0	81	163
MHP-3670	15.0	81	163
MHP-3671	16.0	87	175
MHP-3672	17.0	87	175
MHP-3673	18.0	93	188
MHP-3674	19.0	93	188
MHP-3675	20.0	100	201
MHP-3676	21.0	100	201
MHP-3677	22.0	107	215
MHP-3678	23.0	107	215
MHP-3679	24.0	115	231
MHP-3680	25.0	115	231
MHP-3681	26.0	115	231
MHP-3682	27.0	124	247
MHP-3683	28.0	124	247
MHP-3684	30.0	124	247
MHP-3685	32.0	133	265
MHP-3686	34.0	142	284
MHP-3687	35.0	142	284
MHP-3688	36.0	142	284
MHP-3689	38.0	152	305
MHP-3690	40.0	152	305
MHP-3680	42.0	152	305
MHP-3681	44.0	163	326
MHP-3682	45.0	163	326
MHP-3683	46.0	163	326
MHP-3684	48.0	174	347
MHP-3685	50.0	174	347
MHP-3686	52.0	174	347
MHP-3687	55.0	184	367
MHP-3688	56.0	184	367
MHP-3689	58.0	184	367
MHP-3690	60.0	184	367
MHP-3691	62.0	194	387
MHP-3692	63.0	194	387
MHP-3693	67.0	194	387
MHP-3694	71.0	203	406

## LONG FLUTES MACHINE REAMERS



SPECIFICATION CONFIRM TO IS 5445-1987 DIMENSIONS IS MM)

Cat No.	Diameter	Cutting Edge Length	Overall Length	Morse Taper No.
MHP-3695	3.0	31	111	1
MHP-3696	4.0	38	118	1
MHP-3697	5.0	44	124	1
MHP-3698	6.0	47	127	1
MHP-3700	7.0	54	134	1
MHP-3701	8.0	58	138	1
MHP-3702	9.0	62	142	1
MHP-3703	10.0	66	146	1
MHP-3704	11.0	71	151	1
MHP-3705	12.0	76	156	1
MHP-3706	13.0	76	156	1
MHP-3707	14.0	81	161	1
MHP-3708	15.0	81	181	2
MHP-3709	16.0	87	187	2
MHP-3710	17.0	87	187	2
MHP-3711	18.0	93	193	2
MHP-3712	19.0	93	193	2
MHP-3713	20.0	100	200	2
MHP-3714	21.0	100	200	2
MHP-3715	22.0	107	207	2
MHP-3716	23.0	107	207	2
MHP-3717	24.0	115	242	3
MHP-3718	25.0	115	242	3
MHP-3719	26.0	115	242	3
MHP-3720	27.0	124	251	3
MHP-3721	28.0	124	251	3
MHP-3722	30.0	124	251	3
MHP-3723	32.0	133	293	4
MHP-3724	34.0	142	302	4
MHP-3725	35.0	142	302	4
MHP-3726	36.0	142	302	4
MHP-3727	38.0	152	312	4
MHP-3728	40.0	152	312	4
MHP-3729	42.0	152	312	4
MHP-3730	44.0	163	323	4
MHP-3731	45.0	163	323	4
MHP-3732	46.0	163	323	4
MHP-3733	48.0	174	334	4
MHP-3734	50.0	174	334	4
MHP-3735	52.0	174	371	5
MHP-3736	55.0	184	381	5
MHP-3737	56.0	184	381	5
MHP-3738	58.0	184	381	5
MHP-3739	60.0	184	381	5
MHP-3740	62.0	194	391	5
MHP-3741	63.0	194	391	5
MHP-3742	67.0	194	391	5
MHP-3743	71.0	203	400	5

## HSS PARALLEL MACHINE REAMERS



SPECIFICATIONS CONFIRM TO BS 122/PART 2 – 1964 DIMENSION IN INCHES

CAT NO.	NOMINAL DIAMETER	CUTTING EDGE LENGTH	OVERALL LENGTH	MORSE TAPER NO.
MHP-3743	1/8	1.5/16	4.7/16	1
MHP-3744	5/32	1.1/2	4.5/8	1
MHP-3745	3/16	1.3/4	4.7/8	1
MHP-3746	1/4	2	5.1/8	1
MHP-3747	9/32	2.1/8	5.1/4	1
MHP-3748	5/16	2.1/4	5.3/8	1
MHP-3749	11/32	2.7/16	5.9/16	1
MHP-3750	3/8	2.5/8	5.3/4	1
MHP-3751	13/32	2.5/8	5.3/4	1
MHP-3752	7/16	2.13/16	5.15/16	1
MHP-3753	15/32	3	6.1/8	1
MHP-3754	1/2	3	6.1/8	1
MHP-3755	9/16	3.3/16	7.1/8	2
MHP-3756	5/8	3.7/16	7.3/8	2
MHP-3757	11/16	3.11/16	7.5/8	2
MHP-3758	3/4	3.15/6	7.7/8	2
MHP-3759	13/16	3.15/16	7.7/8	2
MHP-3760	7/8	4.3/16	8.1/8	2
MHP-3761	15/16	4.1/2	9.1/2	3
MHP-3762	1	4.1/2	9.1/2	2
MHP-3763	1.1/16	4.7/8	9.7/8	3
MHP-3764	1.1/8	4.7/8	9.7/8	3
MHP-3765	1.3/16	5.1/4	10.1/4	3
MHP-3766	1.1/4	5.1/4	10.1/4	3
MHP-3767	1.5/16	5.1/4	11.9/16	4
MHP-3768	1.3/8	5.5/8	11.15/16	4
MHP-3769	1.7/16	5.5/8	11.15/16	4
MHP-3770	1.1/2	6	12.5/16	4
MHP-3771	1.5/8	6	12.5/16	4
MHP-3772	1.3/4	6.7/16	12.3/4	4
MHP-3773	1.7/8	6.7/8	13.3/16	4
MHP-3774	2	6.7/8	13.3/16	4
MHP-3775	2.1/4	7.1/4	15	5
MHP-3776	2.1/2	7.5/8	15.3/8	5
MHP-3777	3	8.3/8	16.1/8	5

## HSS HAND TAPER PIN REAMERS



SPECIFICATIONS CONFIRMS TO IS 5881-1984 TAPER 1 TO 50 DIMENSION IN MM

CAT NO.	NOMINAL DIAMETER OF REAMER	CUTTING EDGE LENGTH	OVERALL LENGTH
MMT-3805	3	58	80
MMT-3806	4	68	63
MMT-3807	5	73	100
MMT-3808	6	105	135
MMT-3809	8	145	180
MMT-3810	10	175	215
MMT-3811	12	210	255
MMT-3812	16	230	280
MMT-3813	20	250	310
MMT-3814	25	300	370
MMT-3815	30	320	400
MMT-3816	40	340	430
MMT-3817	50	360	460

## HSS HAND TAPER PIN REAMERS

SPECIFICATIONS CONFIRM TO BS 122/PART 2 – 1964 TAPER 1 IN 48 DIMENSION IN INCHES

Cat No.	Nominal Diameter of Reamer	Cutting Edge Length	Overall Length
MHP-3777	1/8	1.3/4	2.3/4
MHP-3778	5/32	2	3
MHP-3779	3/16	2.3/4	4
MHP-3780	7/32	2.3/4	4
MHP-3781	1/4	3.3/8	4.5/8
MHP-3782	9/32	4.1/8	5.5/8
MHP-3783	5/16	4.1/8	5/58
MHP-3784	11/32	4.1/2	6
MHP-3785	3/8	5	6.1/2
MHP-3786	13/32	5.3/4	7.1/2
MHP-3787	7/16	5.3/4	7.1/2
MHP-3788	1/2	6.1/2	8.1/4
MHP-3789	9/16	6.3/4	8.1/2
MHP-3790	5/8	7.1/2	9.1/4
MHP-3791	3/4	8.3/4	10.3/4
MHP-3792	7/8	9.1/2	12

## MACHINE TAPER PIN REAMERS

SPECIFICATIONS CONFIRMS TO IS 5918-1984 TAPER 1 TO 50 DIMENSION IN MM



CAT NO.	NOMINAL DIAMETER	CUTTING EDGE LENGTH	OVERALL LENGTH	MORSE TAPER NO.
MMT-3792	3	58	140	1
MMT-3793	4	68	150	1
MMT-3794	5	73	155	1
MMT-3795	6	105	187	1
MMT-3796	8	145	227	1
MMT-3797	10	175	257	1
MMT-3798	12	210	315	2
MMT-3799	16	230	335	2
MMT-3800	20	250	377	3
MMT-3801	25	300	427	3
MMT-3802	30	320	427	4
MMT-3803	40	340	495	4
MMT-3804	50	360	550	5

## MACHINE TAPER PIN REAMERS



SPECIFICATIONS CONFIRMS TO BS 122/PART 2 1964 TAPER 1 TO 48 DIMENSIONS IN INCH

CAT NO.	NOMINAL DIAMETER OF REAMER	CUTTING EDGE LENGTH	OVERALL LENGTH	MORSE TAPER
MMT-3818	3/16	2.3/4	5.3/4	1
MMT-3819	7/32	2.3/4	5.3/4	1
MMT-3820	1/4	3.3/8	6.3/8	1
MMT-3821	9/32	4.1/8	7.1/4	1
MMT-3822	5/16	4.1/8	7.1/4	1
MMT-3823	11/32	4.1/2	7.5/8	1
MMT-3824	3/8	5	8.1/8	1
MMT-3825	13/32	5.3/4	8.7/8	1
MMT-3826	7/16	5.3/4	8.7/8	1
MMT-3827	1/2	6.1/2	9.5/8	1
MMT-3828	9/16	6.3/4	10.7/16	2
MMT-3829	5/8	7.1/2	11.3/16	2
MMT-3830	3/4	8.3/4	12.5/8	2
MMT-3831	7/8	9.1/2	13.3/8	2

### 2" BALL TURNING ATTACHMENT

ITEM NO

MBT-4000

- This fits straight onto the cross slide of your Myford & similar size lathe machine.
- Comes with a 1 Indexable TNMG16 Insert for best turning finish and results with 6 edges of this single insert to use while working.
- The insert tip should be adjusted to the given reading for achieving the desired size of the ball.



### 1.5" BALL TURNING ATTACHMENT

ITEM NO

MBT-4001

- This fits straight onto the cross slide of your Myford & similar size lathe machine.
- Comes with a 1 Indexable TNMG16 Insert for best turning finish and results with 6 edges of this single insert to use while working.
- The insert tip should be adjusted to the given reading for achieving the desired size of the ball.

### TAP GAUDE – SPRING LOADED



ITEM NO

MBT-4002

Knurled for easy handling.

- 1/2" Dia. Hardened Shank.
- 3/16" Dia. Hardened Tension Pin.
- Adjustable Tension Spring.
- Spring loaded Mechanism.
- Reversible Tension Pin for Male and Female holecentering of Tap.
- With this tool you start every tap straight.
- Packed in an attractive Plastic pouch

### TAP GAUDE – SPRING CENTER

ITEM NO

MBT-4003



The stroke of centre will follow the tap assuring straight and accurate hand tapped threads.

- One Universal size for all tapping application.
- Spring centre is made of precise Ground Alloy Steel.
- Point Hardened to 50-55 HRC.
- For execution of the Center's body is to be gripped in a drill chuck or the collets while hardened point is inserted into the centre of the Tapping Handle.

## RADIUS TURNING ATTACHMENT

ITEM NO	SHANK	DESCRIPTION
MRT-4004	3/8"(10MM)	COMPLETE WITH CUTTER
MRT-4005	1/2"(12MM)	COMPLETE WITH CUTTER
MRT-4006	SPARE CUTTER	

- Cuts ball-shaped objects or turns a radius on the end of a work piece.
- Swing the handle to rotate the cutter.
- Turn up to 3/4" (20mm) diameter.
- High Speed Steel cutter included.



## LATHE ALIGNMENT TEST BAR 272MM(10-3/4")

ITEM NO. MTB-4007

- Align the tail-stock on your lathe to head stock
- Manufactured from en31 alloy steel.
- Hardened and Ground
- Accuracy within 2 micron. Max.run-out :0.0001".
- Overall length : 400mm (15-3/4")
- Diameter of the bar 30mm



## LATHE ALIGNMENT TEST BAR 400MM(15-3/4")

ITEM NO. MTB-4008

- Align the tail-stock on your lathe to head stock
- Manufactured from en31 alloy steel.
- Hardened and Ground
- Accuracy within 2 micron. Max.run-out :0.0001".
- Overall length : 400mm (15-3/4")
- Diameter of the bar 40mm



## LATHE ADJUSTABLE TYPE PARTING CUT OFF TOOL HOLDER

ITEM NO. MTB-4009

- Quality T Type Cut off Parting Tool Holder for Metal Lathe Machines
- Made of Tool Steel- Hardened & Precisely Ground
- M2 Grade HSS Blade Size is 3/32" x 1/2" x 4-1/2". Shank Size is 10 mm & can be adjusted to a height variance upto 8 mm
- Can be used on front or rear tool posts. Epoxy Black Finish for Long Rust Free Life.



## LATHE ADJUSTABLE TYPE PARTING TOOL HOLDER

ITEM NO	SHANK		BODY SIZE		BLADE SIZE	
	INC H	MM	INCH	MM	INCH	MM
<b>MPH-4010</b>	3/8	10	2-1/2 x 15/16 x 1	65 x 25 x 25	1/8 x 3/4 x 6"	----- -----



- Versatile tool for rigid clamping for heavy duty cuts
- Can be used on front or rear tool posts
- Black shining finish

## 1/2" BORING BAR TURNING TOOL HOLDER

**ITEM NO. MBB-4011**



- All working parts precision ground and hardened
- Completely sealed for maintenance free operation!
- Turning: The unequaled rigidity of this toolpost and holders insure smoother turning without chatter or vibration!
- Drilling: Set enables you to drill by power feed with your carriage, instead of hand operation or tailstock
- 1/2" shank
- Can hold upto 5/8" boring bar

## RATCHET TYPE TAP WRENCH WITH INTERCHANGEABLE HEAD SET

**ITEM NO. MRT-4012**



- Ideal for holding Taps, reamers, screw extractor, or any other such small hand turned tools.
- Ratchet action at 3 positions: forward, reverse (backward) & lock (direct) engagement in neutral position
- Size range of 1st Head: M3 to M6 & Size range of 2nd Head: M6 to M12
- Ideal to use in confined area with quite ease. Excellent finish. Chrome plated body.

## TAIL STOCK QUICK CHANGE

TURRENT HEAD WITH 3 STATION



ITEM NO	SET CONTAINS AS FOLLOW
<b>MTS-4015</b>	<b>1</b> Live Centre, <b>2</b> Drill Chuck with Capacity to hold upto 12 mm / 1/2" max, <b>3</b> Reversible Die Holder to hold 20 mm / 13/16" / 25 mm / 1" Dies for threading <b>4</b> Drill Sleeve 3/2 1 Pc <b>5</b> Drill Drift No 2 Tail Stock Shank is MT2 / MK2

## TAIL STOCK QUICK CHANGE

TURRENT HEAD WITH 4 STATION



ITEM NO	SET CONTAINS AS FOLLOW
<b>MTS-4016</b>	<b>1</b> Live Centre, <b>2</b> Drill Chuck with Capacity to hold upto 12 mm / 1/2" max, <b>3</b> Reversible Die Holder to hold 20 mm / 13/16" / 25 mm / 1" Dies for threading <b>4</b> Drill Sleeve 3/2 1 Pc <b>5</b> Drill Drift No 2 Tail Stock Shank is MT2 / MK2

## Heavy Duty Jack Screw Set

ITEM NO **MHD-4017**

- Versatile set which includes jack, extension bases and attachments.
- Used for levelling work on planer beds, upright drills and setting up machinery.
- Ability to lift 1000 lbs.
- Very useful for tool room and machine shop.
- Jack body alone has a range of 2-1/4" to 3-3/8" (57 to 85 mm).



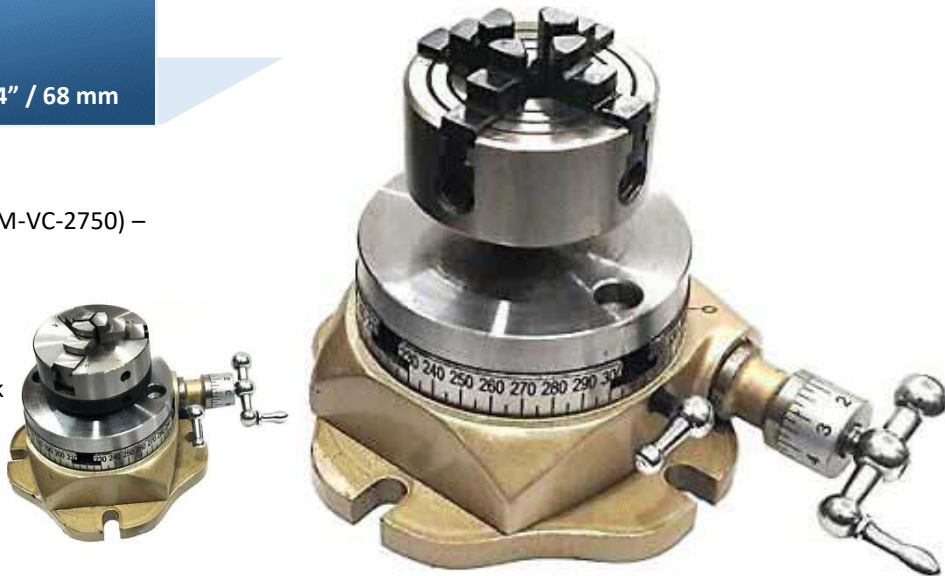
## Rotary Table

Set For Watchmaker's, Jewellery, Milling - 2-3/4" / 68 mm

### SET CONTAINS :

- Rotary Tables 2-3/4" (68 mm) (Item Code No ABM-VC-2750) – 1 No.
- Tail Stock – 1 No.
- Precision Lathe Chuck – 1 No.
- Mounts smoothly over the backplate (provided)
- 3 Jaw Self Centering or 4 Jaw Independent Chuck

ITEM NO	DESCRIPTION
<b>MRT-4018</b>	With 3 Jaw Self Centering Chuck
<b>MRT-4019</b>	With 4 Jaw Independent Chuck



## UNIVERSAL TRANSFER PUNCH & ALIGNER

- All parts are made from steel.
- Hardened for longer life.
- Perfect hole center alignment assured.
- Replaces different sizes regular Transfer punches.
- To execute, spring loaded knurled body is to be pushed down until it is in contact with the work surface. A light stroke on the punch will mark the workpiece below, right in the centre of the hole.
- Will accommodate itself automatically to any hole size in the range approximately 3/16" to 1-3/16".
- Good for transferring hole centers using a template with varying hole sizes.
- The alignment cone slides in an outer cup which squares the whole assembly to the workpiece when pressed down on the template.
- The sliding centre punch may then be struck to mark the workpiece. Ideal for Toolmakers, Machinist, Machine and as well as Model Makers.



ITEM NO	RANGE	
<b>MUT-4030</b>	INCH	MM
<b>MUT-4031</b>	3/16" to 5/8"	5 to 15
<b>MUT-4032</b>	3/16" to 1-3/16"	5 to 30
<b>MUT-4033</b>	Set of 2Pcs.	

## BORING HEAD SET



- Machined from high grade steel with Tool blocks hardened and ground.
- Ideal for mill or Jig bore operations.
- Non-Reflecting Satin Chrome Body allows easy reading and adjustment.
- Threaded back for interchangeable Shanks.
- Inch Features .0005" and Metric features 0.2 mm least count (Boring dia. double of least count).

COBALT ITEM NO	SET CONSISTS OF
<b>MBH-4030</b>	Boring Head 2" (7/8"x20) with R-8 Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4031</b>	Boring Head 2" (1-1/2" x 18) with R-8 Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4032</b>	Boring Head 2" (7/8" x 20) with 3/4" Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4033</b>	Boring Head 2" (1-1/2" x 18) with 3/4" Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4034</b>	Boring Head 3" (1-1/2" x 18) with R-8 Shank and 14 Pcs. 3/4" Cobalt Boring Bar Set
<b>MBH-4035</b>	Boring Head 3" (1-1/2" x 18) with 1" Shank and 14 Pcs. 3/4" Cobalt Boring Bar Set

COBALT ITEM NO	SET CONSISTS OF
<b>MBH-4036</b>	Boring Head 2" (7/8"x20) with R-8 Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4037</b>	Boring Head 2" (1-1/2" x 18) with R-8 Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4038</b>	Boring Head 2" (7/8" x 20) with 3/4" Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4039</b>	Boring Head 2" (1-1/2" x 18) with 3/4" Shank and 10 Pcs. 1/2" Cobalt Boring Bar Set
<b>MBH-4040</b>	Boring Head 3" (1-1/2" x 18) with R-8 Shank and 14 Pcs. 3/4" Cobalt Boring Bar Set
<b>MBH-4041</b>	Boring Head 3" (1-1/2" x 18) with 1" Shank and 14 Pcs. 3/4" Cobalt Boring Bar Set

## T – 37 EXTENDED BORING HOLDER

ITEM NO	CAPACITY
MTE-4052	12MM



## FLY CUTTER 3/4" STRAIGHT SHANK 100MM HEAD

ITEM NO	TOOLBIT SIZE
MFC-4053	1/2X1/2X4



## SHORT SERIES LATHE ALIGNMENT TEST BAR

ITEM NO	SIZES	LENGTH
MSS-4054	MT-2	180
MSS-4055	MT-3	220
MSS-4056	MT-4	280
MSS-4057	30INT	200
MSS-4058	40INT	200



## MORSE TAPER TAP & DIE HOLDER SET

- Will Hold Round Button Dies Having O.D. 13/16", 1" & 1-1/2"
- Tap Chuck Holding Capacity 0 To 1/4" & 1/4" To 1/2"
- Knurled Sleeve Holder
- Threaded Stop Handle

The Tailstock Tap & Die Holder Kit will cut threads with either a tap or a die using hand held holder that slides on a tailstock mounted morse taper arbor

- Releasing ones grip allows the tap or die to rotate on the arbor with the spindle
- For larger threads that cannot be hand-held, a stop handle that bears against the lathe carriage prevents rotation as the threads are cut.



ITEM NO	SIZE
MMT-4042	MT-1
MMT-4043	MT-2
MMT-4044	MT-3
MMT-4045	MT-4

## TAILSTOCK FLOATING ROUND DIE HOLDER (SHANK TYPE) SET OF 3 PCS SET

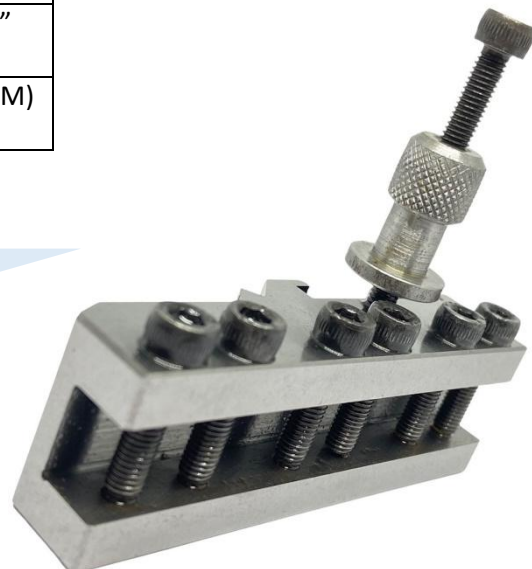
- Tailstock Die Holder Set of 3 Pcs Set Button Die Holder For Threading On Lathe. Split round dies only for illustration purpose NOT INCLUDED IN THE SET. Die holders( shank type ), Ideal for short or medium run threading of shafts. Moreover , This round die holder can be used safely on Lathes Milling machines, milling machines and tapping heads.

ITEM NO	DIE SIZE		SHANK		BODY DIA	
	INCH	MM	INCH	MM	INCH	MM
MTF-4046	13/16	20	1/2	12.7	1-1/2	38
MTF-4047	1	25	1/2	12.7	1-1/2	38
MTF-4048	1-1/2	38	3/4	19	2	50
MTF-4049	2 PC SET CONSISTING OF 13/16" (20MM) AND 1" (25MM)					
MTF-4050	3 PC SET CONSISTING OF 13/16" (20MM), 1" (25MM) AND 1-1/2" (38MM)					



## T – 37 EXTENDED STANDARD HOLDER

ITEM NO	CAPACITY
MTE-4051	12MM



### BACKPLATE THREADED 1-1/8 X 12 TPI COMPATIBLE WITH MYFORD

ITEM NO	SIZE
MBT-4061	4"
MBT-4059	5"
MBT-4060	6"



### BACKPLATE THREADED 1-1/8 X 8 TPI COMPATIBLE WITH MYFORD

ITEM NO	SIZE
MBT-4062	4"
MBT-4053	5"
MBT-4064	6"



### INDEXABLE CARBIDE TURNING TOOL HOLDER

- Style TE: Neutral Threading Tool 60° included angle; used for universal threading, V-grooving, chamfering, turning, boring and facing
- Style TBL: Left Hand 15° Lead Angle for rough facing to center or where no shoulder is needed Style TAL: Left Hand suitable for facing to a square shoulder
- Style TBR : Right Hand 15° Lead Angle for rough turning where a square shoulder is not needed
- Versatility of cutting in any direction
- Built in chip breaker groove
- Economical alternative to brazed tool tips
- Available with or without Inserts
- No. grinding - no tool resetting
- Heat treated and hardened shank

ITEM NO	SHANK SIZE	INSERT I.C.	OVERALL LENGTH
MIC-4065	3/8"	1/4"	2-1/2"
MIC-4066	1/2"	3/8"	3-1/2"
MIC-4067	5/8"	3/8"	4"
MIC-4068	3/4"	3/8"	4-1/2"
MIC-4069	1"	1/2"	6"



### REVOLVING CENTER NEW MODEL

ITEM NO	MORSE TAPER	THRREAD
MRC-4070	MT-2	1" X 8TPI
MRC-4071	MT-2	1-1/8" X 12 TPI



### MILLING VICE (TWO PIECE ADJUSTABLE)

ITEM NO	MMV-4072	MMV-4073
SIZE IN INCHES	6	8
Width of jaws in mm	150	200
Height of Jaws	73	80
Width Overall	180	245
Length overall in mm	330	334
Tenon slot in mm	17	20
Clamp Travel in mm	15	15
Weight (Approx) in kgs.	14	18.5



## INDEXABLE TOOL HOLDER & BORING BARS

### SCLCR/L

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4300	SCLCR/L 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4301	SCLCR/L 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4302	SCLCR/L 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4303	SCLCR/L 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4304	SCLCR/L 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4305	SCLCR/L 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4306	SCLCR/L 2525 H09	25 X 25 X 150MM	CCMT1204



### SCBCR

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4307	SCBCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4308	SCBCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4309	SCBCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4310	SCBCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4311	SCBCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4312	SCBCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4313	SCBCR 2525 H09	25 X 25 X 150MM	CCMT1204



### SCKCR

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4314	SCKCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4315	SCKCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4316	SCKCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4317	SCKCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4318	SCKCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4319	SCKCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4320	SCKCR 2525 H09	25 X 25 X 150MM	CCMT1204



## INDEXABLE TOOL HOLDER & BORING BARS

### SCMCN

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4321	SCMCN 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4322	SCMCN 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4323	SCMCN 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4324	SCMCN 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4325	SCMCN 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4326	SCMCN 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4327	SCMCN 2525 H09	25 X 25 X 150MM	CCMT1204



### SCSCR

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4328	SCSCR 0606 D06	6 X 6 X 60MM	CCMT 060204
MIT-4329	SCSCR 0808 D06	8 X 8 X 60MM	CCMT 060204
MIT-4330	SCSCR 1010 E06	10 X 10 X 70MM	CCMT 060204
MIT-4331	SCSCR 1212 F06	12 X 12 X 80MM	CCMT 060204
MIT-4332	SCSCR 1616 H09	16 X 16 X 150MM	CCMT 090304
MIT-4333	SCSCR 2020 K12	20 X 20 X 175MM	CCMT1204
MIT-4334	SCSCR 2525 H09	25 X 25 X 150MM	CCMT1204



### SCLCR/L

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4335	S06F SCLCR/L	6 X 80MM	CCMT 060204
MIT-4336	S08H SCLCR/L	8 X 100MM	CCMT 060204
MIT-4337	S10K SCLCR/L	10 X 125MM	CCMT 060204
MIT-4338	S12M SCLCR/L	12 X 150MM	CCMT 060204
MIT-4339	S16R SCLCR/L	16 X 200MM	CCMT 090304
MIT-4340	S20S SCLCR/L	20 X 20 200MM	CCMT 1204
MIT-4341	S25M SCLCR/L	25 X 25 X 300MM	CCMT 1204



### 7 PC SET OF TOOL HOLDERS & BORING BAR

ITEM NO	SHANK SIZE	SUITABLE CARBIDE INSERT
MIT-4342	6MM	CCMT 060204
MIT-4343	8MM	CCMT 060204
MIT-4344	10MM	CCMT 060204
MIT-4345	12MM	CCMT 060204
MIT-4346	16MM	CCMT 09034
MIT-4347	20MM	CCMT 1204
MIT-4348	25MM	CCMT 1204

### SPARE HOLDER INSERT



ITEM NO	ISO DESIGNATION
MIT-4349	CCMT 060204
MIT-4350	CCMT 090304
MIT-4351	CCMT 1204

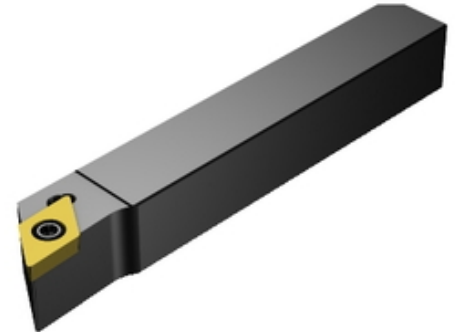
ALL ABOVE ARE SUPPLIED COMPLETE WITH SUITABLE INSERT, SCREW & TORX KEY.

## MINI TURNING TOOL CNC PROFILE 60°

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MMT-4360	SDJCR 0808 E07	8 X 8 X 125MM	DCMT 070204
MMT-4362	SDJCR 1010 E07	10 X 10 X 125MM	DCMT 070204
MMT-4363	SDJCR 1212 E07	12 X 12 X 150MM	DCMT 070204
MMT-4364	SDJCR 1616 E07	16 X 16 X 150MM	DCMT 11T304
MMT-4365	SDJCR 2020 E07	20 X 20 X 150MM	DCMT 11T304

### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MMT-4366	DCMT 070204
MMT-4367	DCMT 11T304

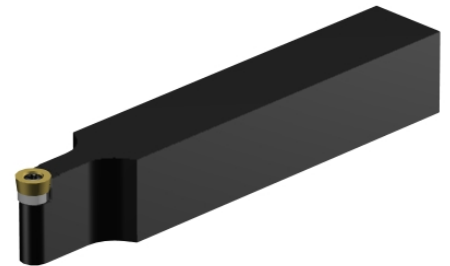


## PROFILING TOOL STRAIGHT

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MRT-4368	SRDCN 0606	6 X 6 X 60MM	RCMT 0602
MRT-4369	SRDCN 0808	8 X 8 X 125MM	RCMT 0602
MRT-4370	SRDCN 1010	10 X 10 X 125MM	RCMT 0602
MRT-4371	SRDCN 1212	12 X 12 X 150MM	RCMT 0602
MRT-4372	SRDCN 1616	16 X 16 X 150MM	RCMT 1003

### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MRT-4373	RCMT 0602 MO
MRT-4374	RCMT 0602 MO



## EXTERNAL TURNING TOOL HOLDER

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MET-4380	SDNCN 0808 E07	8 X 8 X 125MM	DCMT 070204
MET-4381	SDNCN 1010 E07	10 X 10 X 125MM	DCMT 070204
MET-4382	SDNCN 1212 E07	12 X 12 X 150MM	DCMT 070204
MET-4383	SDNCN 1616 E07	16 X 16 X 150MM	DCMT 11T304
MET-4384	SDNCN 2020 K11	20 X 20 X 150MM	DCMT 11T304

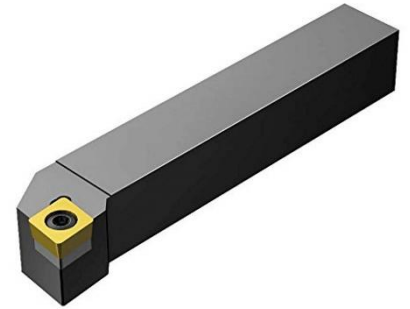
### SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MET-4385	DCMT 070204
MET-4386	DCMT 11T304



## EXTERNAL TURNING TOOL HOLDER EXTRA LONG LENGTH

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MET-4390	SRLCR 0606	6 X 6 X 125MM	CCMT 060204
MET-4391	SRLCR 0808	8 X 8 X 125MM	CCMT 060204
MET-4392	SRLCR 1010	10 X 10 X 125MM	CCMT 060204
MET-4393	SRLCR 1212	12 X 12 X 150MM	CCMT 060204
MET-4394	SRLCR 1414	14 X 14 X 150MM	CCMT 090304
MET-4395	SRLCR 1616	16 X 16 X 150MM	CCMT 090304
MET-4396	SRLCR 2020	20 X 20 X 200MM	CCMT 1204



## PROFILING TOOL RIGHT

ITEM NO	ISO DESIGNATION	SHANK SIZE	SUITABLE CARBIDE INSERT
MET-4397	SRGCR 0808 E07	6 X 6 X 60MM	DCMT 070204
MET-4398	SRGCR 1010 E07	8 X 8 X 60MM	DCMT 070204
MET-4399	SRGCR 1212 E07	10 X 10 X 70MM	DCMT 070204
MET-4400	SRGCR 1616 E07	12 X 12 X 80MM	DCMT 11T304
MET-4401	SRGCR 2020 K11	16 X 16 X 10MM	DCMT 11T304



## SPARE CARBIDE INSERT

ITEM NO	ISO DESIGNATION
MET-4402	RCMT 0602 MO
MET-4403	RCMT 1003 MO

## TRAMMEL HEAD SET (SMALL & BIG)

ITEM NO.	BEAM WIDTH	POINTS	MATERIAL	APPLICATION
BTH-2849	10-32mm	1 Hardened Point + 1 Pencil Holder	Heavy Duty Metal Body	Layout & Marking
BTH-2850		1 Hardened Point + 1 Pencil Holder	Heavy Duty Metal Body	Layout & Marking



## MT4/MT5 Tailstock Die Holder Set

- Suitable for accurate external threading on lathe machines
- Supports metric round button dies from **16mm to 65mm**

CAT NO.	SHANK NO.
MTS-4450	MT4
MTS-4451	MT5



## WIRE BENDER

- 7"/175mm long arm with rubber grip for tough materials.
- Should be locked in bench vice during use.
- Hardened steel and radius pins.



CAT NO.

MWB-4455

## EXPANDABLE HAND REAMER WITH PILOT HIGH SPEED STEEL

- Adjustable hand reamer range **H4 to H17** for versatile workshop use
- **Six-blade cutting design** delivers smooth, accurate reaming
- Designed for **king pin, axle, and precision hole reaming applications**

ITEM NO.	SIZE
MHR-4460	15/32" - 17/32" (11.9-13.5 mm)
MHR-4461	17/32" - 19/32" (13.5-15mm)
MHR-4462	19/32" - 21/32" (15-16.6mm)
MHR-4463	21/32" - 23/32" (16.6-18.2mm)
MHR-4464	23/32" - 25/32" (18.3 - 19.8 mm)
MHR-4465	25/32" - 27/32" (19.8-21.4mm)
MHR-4466	27/32" - 15/16" (21.4-23.8mm)
MHR-4467	15/16" - 1 1/16" (23.8-26.98mm)
MHR-4468	1/16" - 1 3/16" (26.98 - 30.16 mm)
MHR-4469	3/16" - 1 11/32" (30.16-34.1mm)
MHR-4470	11/32" - 1 1/2" (34.1-38.1mm)
MHR-4471	1/2" to 1-13/16" (38.1-46 mm)
MHR-4472	1 13/16" - 2 7/32" (46 - 56.35mm)
MHR-4473	2-7/32" - 2 -3/4" (56 - 70mm)



## FLY CUTTER 100MM WITH ARBORS

- Cutter Diameter: **100 mm**
- Body Material: High Grade Alloy Steel
- Tool Type: Compatible with **Indexable Tool Bit & HSS Tool Bit**
- Mounting Options Available:
  - R8 Arbor
  - Straight Shank Arbor
  - MT2 Arbor
  - MT3 Arbor
- Application: Face Milling / Surface Finishing
- Balanced body for vibration-free operation

ITEM NO.	ARBOR TYPE
MFC-0124	FLY CUTTER 100MM
MFC-0125	R8 Arbor
MFC-0126	Straight Shank Arbor
MFC-0127	MT2 Arbor
MFC-0128	MT3 Arbor



## 2" BALL TURNING ATTACHMENT DOUBLE BIT

### ITEM NO

MBT-1050

- **2" Ball Turning Attachment** – Accurate radius and ball turning with built-in size scale.
- **Strong Steel Build** – Smooth, stable cutting with long service life.
- **Easy to Use** – Ideal for lathes, workshops, and professional machining.



## PARALLEL TEST BAR

- Overall Length Options: 272 mm & 400 mm
- Packing Options: With Wooden Box / Without Wooden Box
- Precision Ground for Accurate Alignment Testing
- Manufactured from High Quality EN31 Alloy Steel



CAT NO.	SIZE	PACKING
MTB-1025T	272 mm	With Wooden Box
MTB-1026T	272 mm	Without Wooden Box
MTB-1027T	400 mm	With Wooden Box
MTB-1028T	400 mm	Without Wooden Box

### TEST BAR MT2 & MT3 Double Ended EN8D, 450mm

CAT NO.	MODEL
MTB-1029T	MT-2
MTB-1030T	MT-3

- Double Ended Design with MT2 and MT3 Tapers.
- Made from High Quality EN8D Steel.
- Ideal for Checking Headstock and Tailstock Alignment.
- Hardened and Ground for Long Service Life.



### MT2 LIVE REVOLVING CENTER WITH HSS ROTARY BROACH & HEX BROACH SET OF LATHE

ITEM NO. MRC-1040

High-precision live revolving center with MT2 shank (Teng style), designed for accurate and stable metalworking operations.

Includes HSS rotary broach with hex broach sizes: 3/8", 5/16", 1/4", 7/32", 3/16", 5/32", and 1/8", plus a hex wrench set for easy adjustments. Features a 44 mm body diameter and 155 mm overall length (including the broaching tool bit)



### OPTICAL CENTER PUNCH

ITEM NO. MOP-1041

This Tool Guarantees to achieve a Precise Punch Location Every time  
Supplied with 2 Optical Punches. One with Cross Hair with Target Style Marks.  
Also Included two hardened steel punches (60° & 90°) and Base Holder to hold all the Punches.  
Align the Position by optical Punch, magnified, and then use the steel Punch to get the mark  
Just look down the magnifying lens and align the cross hairs with the mark on your work piece, replace with the supplied punch and give it a tap.

