

2024-2025

# PRODUCT CATALOGUE

# SIMRAN TOOLS INTERNATIONAL



**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.

## **Contact us:**

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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 word and dedication of the entire team of skilled professionals and the support of customers all around the word.

Our speciality to develop new products (with our R & D Department backed by Team of Proccessional 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.





### 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	

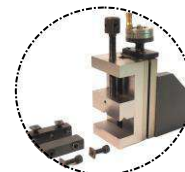
- Mini Vertical Slide (90 x 50 mm) for instant Milling Operation on Lathe Machine.
- Small Vertical Milling Slide for Bench Small Lathes Suitable for Bench Lathes up to 150mm Swing.



### 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

### 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.

### 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

### 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 forease 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 – 45 mm
- 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

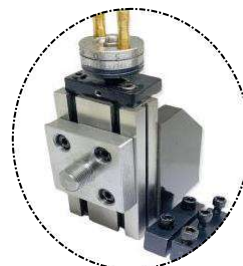
- Small Vertical Slide Mounting Bracket for Mini Lathes.
- This Unit is 63mm across then 55mm down then 53mm across
- The fixing slot is 11mm x 30mm (this is the slot the toolpost stud goes through)
- Then on the opposing face is the 2 holes for the vertical slide to fit.



### 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 3/4Sq
- 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 any modification.
- 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

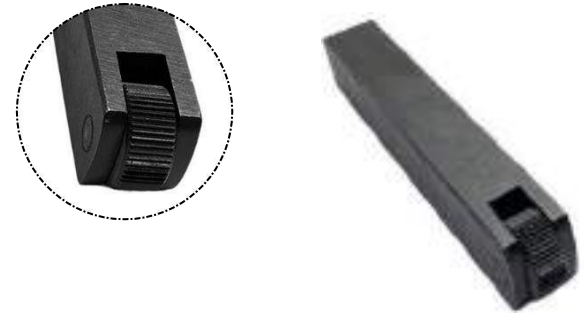
### KNURLING TOOL HOLDER – 3 INTERCHANGEABLE HEADS

- 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.



### 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	HEAD 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



### 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 ground & 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



			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 looking 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





### 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

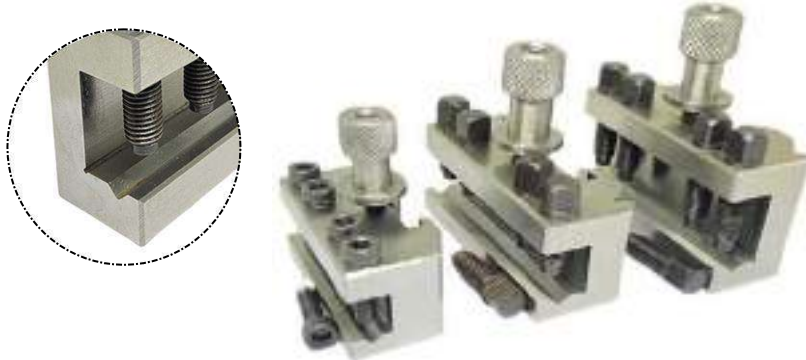


### SPARE HOLDER



### 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 HO

#### 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
<b>MQC-0245</b>	A0	33MM	2033 (10.2MM)	120-200MM	1 X MAIN BLOCK 3 X TURNING AND FACING HOLDERS (STANDERD) 1 X BORING HOLDER (V)
<b>MQC-0246</b>	A1	54MM	13MM (6MM)	150-300MM	1 X MAIN BLOCK 3 X TURNING AND FACING HOLDERS (STANDERD) 1 X BORING HOLDER (V)
<b>MQC-0247</b>	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
<b>ITEM NO.</b>	<b>ITEM NO.</b>	<b>ITEM NO.</b>
<b>MQC-0248</b>	<b>MQC-0249</b>	<b>MQC-0250</b>
CAPACITY 12MM	CAPACITY 20MM	CAPACITY 20MM

BORING HOLDER FOR A0	BORING HOLDER FOR A1	BORING HOLDER FOR AE
<b>ITEM NO.</b>	<b>ITEM NO.</b>	<b>ITEM NO.</b>
<b>MQC-0251</b>	<b>MQC-0252</b>	<b>MQC-0253</b>
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
<b>MQC-0254</b>	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"
<b>MQC-0255</b>	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
<b>ITEM NO.</b>	<b>ITEM NO.</b>
<b>MQC-0256O</b>	<b>MQC-0256A</b>
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.



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 WRENCHCAM 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)
SOLID JAWS				
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.

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	

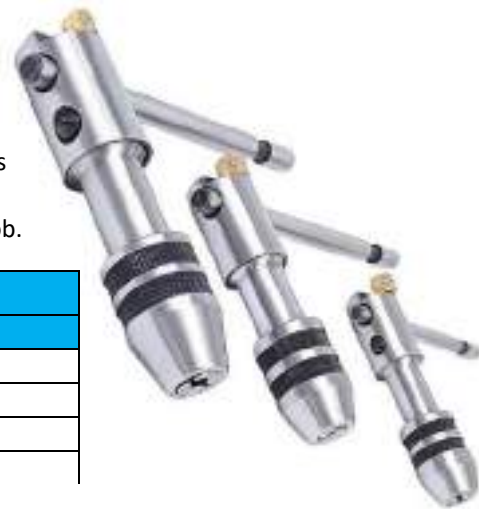


Pull the pin up and adjust right or left to control movement

### 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.

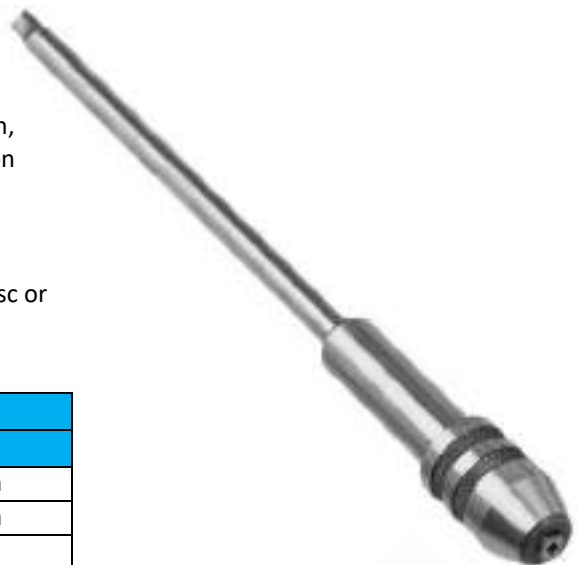
ITEM NO.	TAP CAPACITY	
	INCH	MM
MMT-0308	1/4"	6mm
MMT-0309	1/2"	12mm
MMT-0310	Pc Set consisting of 1 each	



### 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 4-3/8"/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			
<b>MRT-0363</b>	TILTING	4-3/8	110	5	126	17	MT2	90:1
<b>MRT-0364</b>	Rotary Table + Clamping Kit							
<b>MRT-0365</b>	Rotary Table + Dividing Plate Set							
<b>MRT-0366</b>	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				
<b>MRT-0367</b>	H & V	6	150	3-1/4	80	16	90:1	MT2	102
<b>MRT-0368</b>	Rotary Table + Clamping Kit								
<b>MRT-0369</b>	Rotary Table + Dividing Plate Set								
<b>MRT-0370</b>	Rotary Table + Dividing Plate Set + Tailstock								

#### 4 SLOT

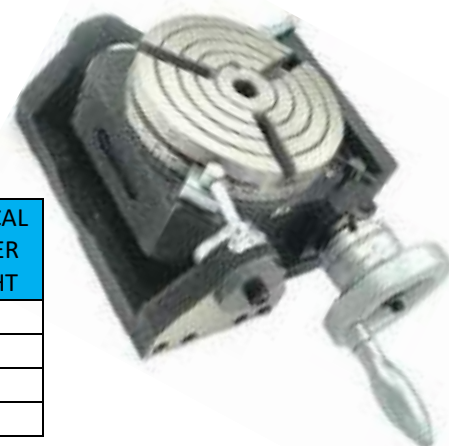
ITEM NO.	TYPE	TABLE DIA		OVERALL HEIGHT		T SLOT WIDTH (MM)	GEAR RATIO	CENTER SLEEVE	VERTICAL CENTER HIEGHT
		INCH	MM	INCH	MM				
<b>MRT-0371</b>	H & V	6	150	3-1/4	80	16	90:1	MT2	102
<b>MRT-0372</b>	Rotary Table + Clamping Kit								
<b>MRT-0373</b>	Rotary Table + Dividing Plate Set								
<b>MRT-0374</b>	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				
<b>MRT-0375</b>	TILTING	6	150	5	125	16	90:1	MT-2	97
<b>MRT-0376</b>	Rotary Table + Clamping Kit								
<b>MRT-0377</b>	Rotary Table + Dividing Plate Set								
<b>MRT-0378</b>	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				
<b>MRT-0379</b>	H & V	8	200	4-1/4	108	24	90:1	MT-3	135
<b>MRT-0380</b>		Rotary Table + Clamping Kit							
<b>MRT-0381</b>		Rotary Table + Dividing Plate Set							
<b>MRT-0382</b>		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				
<b>MRT-0383</b>	H & V	8	200	4-1/4	108	24	90:1	MT-3	135
<b>MRT-0384</b>		Rotary Table + Clamping Kit							
<b>MRT-0385</b>		Rotary Table + Dividing Plate Set							
<b>MRT-0386</b>		Rotary Table + Dividing Plate Set + Tailstock							



#### ADJUSTABLE TAILSTOCK FOR ROTARY TABLES



ITEM NO.	ADJ. HEIGHT (MIN- MAX)
<b>MAT-0387</b>	108-142



ITEM NO.	ADJ. HEIGHT (MIN- MAX)	
	INCH	MM
<b>MAT-0388</b>	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

### 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

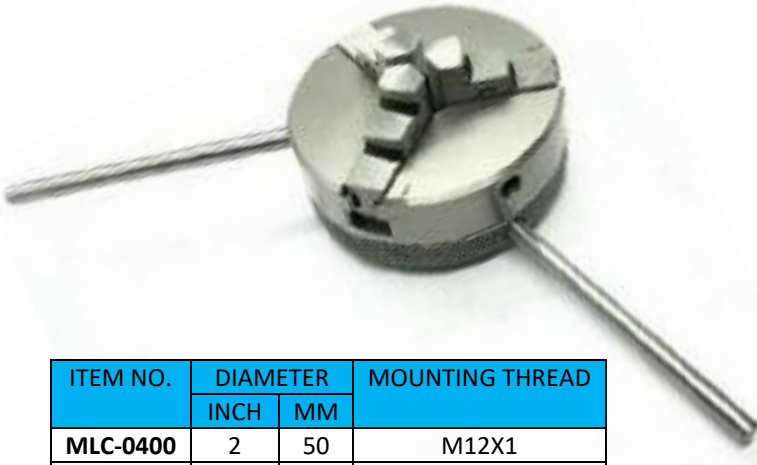


**ITEM NO 0396**

- 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.



### 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



### MODULAR MACHINE VICE SET OF 3 PC



#### 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

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

### COMPOUND 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	INCH	MM	INCH	MM	INCH	MM	INCH	MM
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	INCH	MM	INCH	MM	INCH	MM	INCH	MM
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
MDP-0551	3.3/16	80	3.27/64	87	1	25
MDP-0552	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
MDP-0553	3	75	2-1/2	64	1	35
MDP-0554	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 an important piece of apparatus in the assembly of pipeline components.

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



### GRINDING CONTROL VICE PRECISION

ITEM NO.	JAW WIDTH		JAW OPENING		JAW DEPTH		TOTAL LENGTH	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
MGC-0562	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 MM	JAW DEPTH MM	MAX OPENING MM	OVERALL LENGTH MM	OVERALL HEIGHT MM	ROLLER DISTANCE 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
<b>MWV-0591</b>	<b>MWV-0591Q</b>	6	150
<b>MWV-0592</b>	<b>MWV-0592Q</b>	7	175
<b>MWV-0593</b>	<b>MWV-0593Q</b>	8	200
<b>MWV-0594</b>	<b>MWV-0594Q</b>	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
<b>MTT-0595</b>	4 X 5	100 X 125	3-1/8	78
<b>MTT-0596</b>	5 X 7	125 X175	3-3/8	95
<b>MTT-0597</b>	7 X 10	175X250	5	125
<b>MTT-0598</b>	10 X 15	250X380	6-3/4	170

### UNIVERSAL TILTING TABLE



ITEM NO.	L X H X H		NO. OF T - SLOT
	INCH	MM	
<b>MUT-0599</b>	5X4X7/8	125X100X22	2
<b>MUT-0600</b>	8X6X1-1/8	200X150X28	3
<b>MUT-0601</b>	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
<b>MTT-0602</b>	5X6	125X150	4-1/2	115
<b>MTT-0603</b>	6X8	150X200	5	125
<b>MTT-0604</b>	8X10	200X300	6-1/2	165
<b>MTT-0605</b>	10X12	250X300	8	200
<b>MTT-0606</b>	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
<b>MBH-0647M</b>	<b>MBH-0647I</b>	MT-1	BORING HEAD	1
<b>MBH-0648M</b>	<b>MBH-0648I</b>	MT-2	BRAZED BORING BARS	5
<b>MBH-0649M</b>	<b>MBH-0649I</b>	MT-3	SHANK	1
<b>MBH-0650M</b>	<b>MBH-0650I</b>	MT-4	FLY CUTTER 45°	1



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



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



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



ITEM NO.	STYLE	SET CONTENTS	QTY
<b>MBH-0657</b>	BT-30	BORING HEAD	1
<b>MBH-0658</b>	BT-40	BRAZED BORING BARS	5
<b>MBH-0659</b>	BT-50	SHANK	1
<b>MBH-0660</b>		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 De This Tai, 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 0.005-0.010 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		



### 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	1/4	6.35
MLC-0954	5/16	8
MLC-0955	3/8	9.5
MLC-0956	7/16	11.2
MLC-0957	1/2	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.
- PROPERLY HARDENED & TEMPERED.



### ER SPRING COLLET 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, 32mm, 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
MDS-1106	1/16" – 1/2"
MDS-1107	1-13MM
MDS-1108	1-60
MDS-1109	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	
<b>MBB-1183</b>	3/8"	4-1/2"	2-1/4"	1/2"	1/8"
<b>MBB-1184</b>	7/16"	5-1/4"	2-1/2"	1/2"	3/16"
<b>MBB-1185</b>	9/16"	6-3/4"	3"	5/8"	1/4"
<b>MBB-1186</b>	3/4"	9-1/4"	3-3/4"	7/8"	5/16"
<b>MBB-1187</b>	7/8"	11-1/2"	4-1/2"	1-1/4"	3/8"
<b>MBB-1188</b>	1-1/8"	12-3/4"	4-1/2"	1-3/8"	7/16"
<b>MBB-1189</b>	1-3/16"	13-3/4"	5"	1-5/8"	1/2"
<b>MBB-1190</b>	1-1/4"	18"	7"	1-3/4"	5/8"
<b>MBB-1191</b>	1-3/8"	20"	8"	1-7/8"	3/4"
<b>MBB-1192</b>	1-1/2"	22"	9"	2"	7/8"
<b>MBB-1193</b>	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
<b>MBB-1180</b>	6PC SET OF 1/4", 3/8", 1/2", 5/8", 3/4" & 1"	WOODEN STAND
<b>MBB-1181</b>	5PC SET OF 3/8", 1/2", 5/8", 3/4" & 1"	WOODEN STAND
<b>MBB-1182</b>	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
<b>MRT-1194</b>	5 & 6MM	8X8X60MM
<b>MRT-1195</b>	8 & 10MM	12X12X80MM
<b>MRT-1196</b>	10 & 12MM	20X20X10MM



### MINI THREADING & BORING TOOL SET 4PC

ITEM NO	SHANK SIZE	CONTENTS
<b>MMT-1197</b>	6X 95MM	1 X BORING TOOL
		1 X THREADING TOOL 55°
		1 X THREADING TOOL 60°
		1 X SQ. TOOL HOLDER (8MM X 60MM)
<b>MMT-1198</b>	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
<b>MCP-0783</b>	1/16	1.6	4	100	3/8	9.5
<b>MCP-0784</b>	5/64	2.0	4	100	3/8	9.5
<b>MCP-0785</b>	3/32	2.4	4	100	3/8	9.5
<b>MCP-0786</b>	9/64	3.6	4	100	3/8	9.5
<b>MCP-0787</b>	5/32	4.0	4	100	3/8	9.5
<b>MCP-0788</b>	1/8	3.2	4	100	3/8	9.5
<b>MCP-0789</b>	3/16	4.8	4	100	7/16	11.0
<b>MCP-0790</b>	1/4	6.3	4	100	9/16	14.0
<b>MCP-0791</b>	5 PC SET OF 1/16 – 5/32 IN VINYL POUNCH					



### 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
<b>MCP-0792</b>	1/16	1.6	3	75
<b>MCP-0793</b>	5/64	2.0	4	100
<b>MCP-0794</b>	3/32	2.4	4	100
<b>MCP-0795</b>	9/64	3.6	4	100
<b>MCP-0796</b>	5/32	4.0	4	100
<b>MCP-0797</b>	5/16	8.0	4	100
<b>MCP-0798</b>	1/8	3.2	4	100
<b>MCP-0799</b>	11/64	4.4	4	100
<b>MCP-0800</b>	3/16	4.8	4-1/2	115
<b>MCP-0801</b>	1/4	6.3	5	125
<b>MCP-0802</b>	3/8	9.5	6	150
<b>MCP-0803</b>	5 PC SET OF 1/16 – 5/32 IN VINYL POUNCH			



### 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
<b>MAC-0804</b>	BLACK	5	125
<b>MAC-0805</b>	BRASS BODY	5	125
<b>MAC-0806</b>	BALL HEAD	5	125
<b>MAC-0807</b>	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
- IDEAL FOR 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 VINYL POUCH	



### 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". %, 5/16" & 3/8" (8"/200mm) drive pin punch.
- Supplied in vinyl pouch.



UTILITY PUCH SET 13 PC

ITEM NO.  
MUP-0889

- Set consists of 8 pc 1/16" - 5/16" (4"/100mm) & 5 pc1/16" – 5/32" 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.



GROMMET SETTING DIE

ITEM NO.	FOR EYELET SIZE
MGS-0891	10MM
MGS-0892	13MM
MGS-0893	16MM
MGS-0894	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
<b>MWP-0931</b>	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
<b>MPT-0932</b>	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
<b>MPT-0933</b>	1	MT-1
<b>MPT-0934</b>	2	MT-2
<b>MPT-0935</b>	3	MT-3
<b>MPT-0936</b>	4	MT-4, MT-5, MT-6
<b>MPT-0937</b>	4 PC SET OF 1,2,3, & 4	

