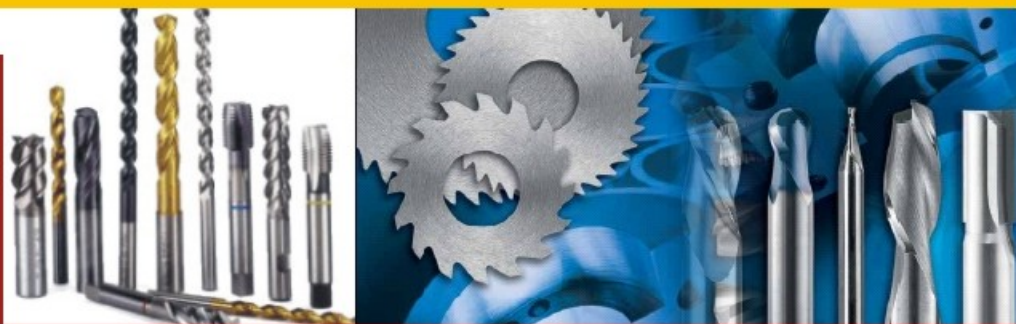


J K INDUSTRIAL **Corporation**



Cutting Tools & **Threading Tools**

Manufacturer & Supplier of High Quality Professional Cutting Tool



JK INDUSTRIAL CORPORATION

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Authorized Distributor



High Speed Steel Ground Thread Taps

Used for Threading Through & Blind Holes.

Used for Threading high Tensile Steel.

For Stainless Steel use Serial form Taps and Coated Taps of Material HSSM35 and M42.

Types of taps

- | | |
|-----------------------------|-----------------------------|
| » Short Machine Taps | » Fluteless Taps/ Roll Taps |
| » Hand Taps | » Spiral Flute Taps |
| » Long Machine Taps | » Nib Taps |
| » Spiral Point/ Gunnose Tap | » Custom Built Taps |
| » Pipe Taps Parallel/ Taper | » Coil Insert Taps |
| » Serial Form Taps | » Spark Plug Taps |
| » ACME Taps | |

Made from high quality HSS of M2, M35, M42. Grade

Size Range: Imperial 1/16" - 4",

Metric: 1mm to 120mm.

Tolerance 4H, 6H, 7H. Class 1, Class 2, Class 3

- Thread Form : Metric Coarse Metric Fine, BSW, BSF, UNEF, UNC, BA, BSP, BSPF, BSPT, NPS NPT, NPTF, BSCY, ME, BS CON, ACME, NGT.
- SURFACE COATING : Tin, TICN, TIAlN.
- Taps are available in RH and LH Thread.
- Manufacturing Standard : We Make as per (BS, DIN, JIS, ISO, ANSI).
- Supplied in Special Tolerance as per buyers Requirement .
- Supplied in set of 3pcs and Single pcs.
- Packing : Plastic Box for sets & Single pcs in Plastic Box.



Carbon/Alloy Steel Hand Taps

Used for Threading Through & Blind Holes

- Made from High Carbon alloy Steel, Silver Steel etc
- Size Range Metric : 2mm - 75mm
Imperial : 1/8" - 3"inch
- Tolerance :- Zone 5
- Thread form :- Metric Coarse, Metric Fine, BSW, BSF, BSB, UNEF, UNC, UNS, UNEF, BA, BSP, BSPF, BSPT, NPS, NPTF, NPT, BSCY, ME, BS Con
- Finish :- Black Finish, Grey Sand Blast Finish, White Polished Finish
- Taps are available in R/H & L/H Threads
- Manufacturing Standard BS, ANSI, JIS, DIN



Round Threading Dies and Hex Die Nuts

(Button Dies & Hex Threading Dies)

Used for Threading & Rethreading

- Carbon Steel Threading Dies
- HSS Ground Threading Dies
- HSS Ground Gun Nose Dies
- HSS Ground Threading Hex Dies
- Carbon Steel Threading Hex Dies

Size Range of Dies by Outer Diameter

Imperial : 13/16" od to 4" OD

Metric : 16mm to 100mm

Type of Round Dies : Adjustable , Solid, Split

Manufacturing Standard : as per BS 1127, IS 1859, SIN

Hex Die Nuts

Range of Die nuts : Metric : 2mm to 64mm

Imperial : 1/4" to 2 1/2" inch

Thread Form Metric Coarse Fine, BSW, BSF, BSP, UNC, UNF, NPS, BSPT, NGT, NPT etc

Round Dies & Hex Dies are available in RH & LH Thread

Padding In Plastic Box



HSS Tangential Chasers

HSS Tangential Chaser used for threading Bolts Pipes, Iron Rods. These Chasers suits to Linco, Landis, Landmatic, Wagner etc Die Heads.

We Produce Both Milled (Cut) Thread & Ground Thread Chasers.

Supplied in Set of 4pcs, Set of 5 Pcs & Set of 6pcs.

Capacity of Die Head 1", 1.1/8", 1.5/8, 2.3/8", 3" & 4".

Rake angles & Throat Angle per buyer Requirement.

Also Produce Rigid & Rothenberg Threading Chasers.

Thread form BSW, BSF, BSP, Metric, NPT, BSPT, UNG, UNF, NGT.

There available in both RH & LH Threading.

Material Made of High Speed Steel :- HSS M2, M35, M42.

Padding in Plastic Box & Card Board Box.



HSS Coventry Chaser Dies (Radial Chaser)

HSS Ground Thread Coventry Chaser dies Used for Threading Bolt, Pipes & Iron Rods.

Also Called Radial Coventry chaser.

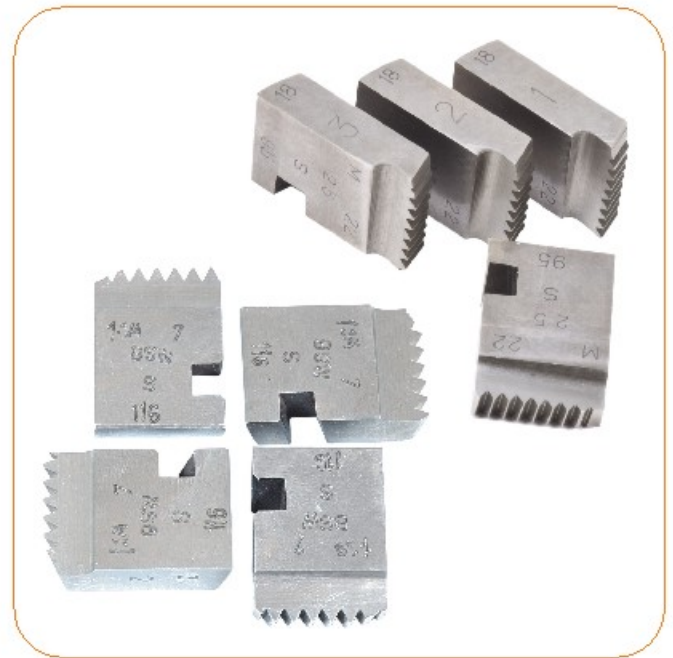
Also Supply Profile Coventry Chaser.

Supplied in set of 4 pcs.

Die Head Range 1/4", 5/16", 1/2", 3/4", 1". 1/4", 1.1/2" & 3".

Threaded from BSW, BSP, UNC, Metric, NPT, BSCY, BSPT, etc.

- Available in Different Rake Angles as Required.
 - Available Both in R/H & L/H Thread.
 - Material Made of High Speed Steel : HSS M2/M35-Co5%.
- Packing in Plastic Box.



HSS Round & Flat Thread Rolling Dies

Round Thread Rolling Dies & Flat Thread Rolling Dies will be Used Threading Iron Rods, Bolts of Screw Supplied Under Material. High Speed Steel

D2 Tool Steel

D3 Tool Steel

Available in both L/R H Thread.

Ground Thread & Milled Thread : Thread form Metric, UNE, UNG, BSW, NPT, BSPT etc.

FEEDING : THROUGH FEED IN FEED - JOB DIA/Thread Need at Time of Order.

At Time of Order , of Thread Rolls Dimensions Required

Outer Dia, Inner Dia (BORE) Width of Roll's keyway size, Thread size & Thread form .

For Flat Thread Roll : Length of Dies width of Dies and Thread size & Thread Form.

Packing in Card Board Box

HSS End mill & Slot Drill

Used for Milling Key ways & Slots to Size in one cut
High Quality : HSS End Mill with Centre Cutting can be Supplied in Short Series and Long Series will be Supplied as below :
Shank Type : Parallel Shank, Taper Shank
Size Range Metric: 2mm to 50mm
Imperial : 1/8" to 2" inches
Material Made of High Speed Steel (HSS) M2/ M35/ M42 Grade
Surface Coating Tin, Tia, Tia
Manufacturing Standard DIN844/BS122//IS : 6353/JIS/NAS
No. of Flute 2,4,6
Packed in Plastic Box

HSS Slot Drill

Use For Milling Key way Slots
Supplied In Short & Long Series
Two Flute Slot Drills Are Manufactured With Ground Flutes
Upto 12.00mm And Milled Flute Above 12.00mm
Shank Type : Parallel Shank
Taper Shank
Threaded Shank
No. Of Flute 2
Material Made Of High Speed Steel : HSS M2 & M35 Grade.
Manufacturing Standard : BS122/din844
Size Range Metric- 3.00mm To 50.00mm
Imperial : 1/8" To 2" Inches



Threaded Shank End Mill Cutter

(Screwed Shank End Mill)

Used for Milling Key way & Slots to size in one cut.
Supplied in Short and Long Series.
Shank Type : Straight Threaded Shank & Taper Threaded Shank.
Manufacturing Standard DIN844/BS122/JIS/NAG.
Material Made of High Speed Steel : HSS M2/M35/M42 Grade.
Size Range : Metric: 2mm to 50mm.
: Imperial : 1/8" to 2" inches

Packed in Plastic Box

HSS Roughing & Ball Nose End Mill

HSS Ball Nose End Mill 2 Flutes Short Series of Regular Series .

Used for Heavy Metal Removal & Produce open Slots.

HSS Roughing end Mill Cutter.

Multi flute can be Supplied in Short & Long Series.

Designed for Plunging Operation & Produce a Radius at Bottom of Cut

Manufacture Standard : DIN 327, BS122, DIN844

Size Range for Roughing End Mill

Metric : 6.00mm to 32.00mm

Imperial : 1/4" to 1 1/2" inches

Size Range for Ball Nose End Mill

Metric : 3.00mm to 30.00mm

Imperial : 1/4" to 1.1/4" inches

No of Flutes For Roughing end Mill 2,4,6 Flutes

For Ball Nose End Mill 2 Flutes

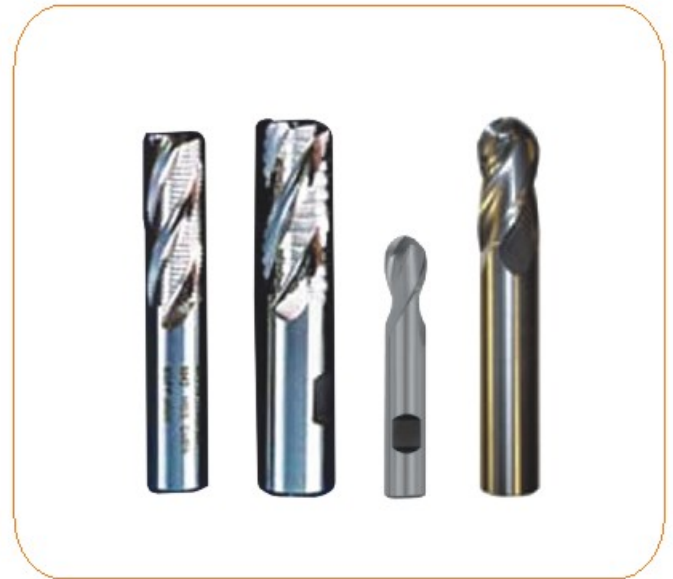
Material Made of high Speed Steel : HSS M2/M35 Grade

Helix Angle 30° RH Cutting for both type.

Surface Cutting TiN/TiCN/TiAlN.

Packing in Plastic Box

HSS Slot Drill



HSS Hand Reamer

HSS Parallel Shank Hand Reamer are manufactured with Milled Flutes intend to Finish Existing Holes in Ferrous & Non-Ferrous Material.

- Design for use in turret lathes, screw machines, drill presses and all type of machine tool equipment
- Ground with a 45° chamfer, suitable for reaming most materials
- Use for difficult to ream materials
- Material Made of High Speed Steel : HSS M2, M35 Grade
- Finish Sand Blast of Steamed Black
- Square End on Straight Shank Allows Reamer can be used by Operated Hand Wrench
- Tolerance H7
- Helix Angle 7°
- Size Range : Metric : 2mm to 75mm
Imperial : 1/16" to 3" inches
- Shank Type : Straight/ Parallel Shank
- Manufacturing Standard : DIN 206, BS B28
- Rotation Left Hand & Right Hand Cut
- Packet In Plastic Box



HSS Machine Reamer

HSS Morse Taper Shank Machine Reamer are Manufactured with Milled Flute.

- Used for Finishing Holes for Metal.
 - Available with Straight Shank or Morse Taper Shank.
 - Taper Shank is Used for Producing Machine Reaming of Tapered Holes for Morse Taper Shank.
 - Straight Shank used for Finishing the Hole & Remove Boor And Nicks in Machine Spindles.
 - Designed use in turret Lather, Screw Machine Drill Press & All Type of Machine Tools equipment.
 - Ground with 45° Chamfer
- Size Metric : 2.00mm to 75mm
Imperial : 1/8" to 3" inches
- Flute Type : Straight Flute, Roughing Flute
 - Material Made of High Speed Steel : HSS M2, M35 Grade
 - Finish Grey Sand Blast & Black Oxide.
- Packed in Plastic Box



Adjustable Hand Reamers



- Each reamer expands to the smallest size of next larger size
- Reamers are used for light cut, repair work, removing stock or simply for enlarging holes
- Reamers can be hand operated by use of wrenches. The size can be adjusted by moving the blades in tapered slots by means of loosening one nut and tightening the other
- Blades are hardened and ground
- Material Order make HSS or Alloy Steel Blades
- Size : 8A to O
Metric : 6.35mm to 84.93mm
Imperial : 1/4" to 3-11/32"
Number of Blade : 4,5,6
Sets is Supplied Wooden Case
Single Pcs Supplied in Plastic Box.

HSS Taper Pin Reamers (Taper 1 in 48)

- Use to ream holes for standard taper pins 1/4" taper per foot (1 in 48)
- Available in straight, spiral or helical flutes
- Straight and spiral flute are intended for hand reaming in easy to ream materials
- Helical flute is designed for machined reaming
- Helical construction helps prevent chips from dogging in flutes, minimizing breakage
- Material Made from High Speed Steel : HSS M2, M35
- No. of Flute : 6,7,8
- Size Available Metric : 2mm to 40mm
Imperial : 3/16" to 1 1/2" inches
- Rotation RH Cutting
- Manufacturing Standard ANSI 3942, ISO3665/ DIN9
- Supplied in Set and Single pcs.
- Packed in Plastic Box



HSS Socket Reamer



- Used for Reaming Morse Taper Hole.
- These Reamers have.
 - Type A : Roughing Helical Flutes for RH Cutting.
 - Type B : Pre Finishing Straight Flute for RH Cutting .
 - Type C : LH Helical Flutes & RH Cutting..
- Shank Type Parallel & Tapper Shank.
- Manufacturing Standard BS328 / IS : 5882
- Finish : Grey Sand Blast.
- Size Range Morse Taper : 0,1,2,3,4,5,6.
- Material Made from High Speed Steel : HSS M2/ HSS M35.
- Packed in Plastic Box.

HSS Taper Pipe Reamers

- Designed for reaming holes to be tapped with American standard taper pipe taps (NPT), Used Prior to Taping with Taper Pipe Taps
- 3/4" taper per foot
- Generally used by hand
- Available with straight or spiral flutes and square shank
- Material Made from High Speed Steel : HSS M2/M35
- Each set is supplied in a plastic pouch with reamer sizes clearly marked
- There Reamer have Both LH & RH Cutting with Straight & Spiral Flutes
- Size Available Imperial : 1/8" to 2"
- Manufacturing Standard : Ansi B94.2 : 1964
- Taper Pipe Reamers Also Supply In Set
1/4", 3/8" & 1/2"-3pcs Set
3/8", 1/2" & 3/4" & 1/4pcs Set.
1/4", 3/8", 1/2", 3/4" & 1"-5pcs Set.
- Packet In Plastic Box



HSS Chucking Reamers

(Straight Shank and Straight Flute)

- Design for use in turret lathes, screw machines, drill presses and all type of machine tool equipment
- Ground with a 45° chamfer, suitable for reaming most materials
- Use for difficult to ream materials
- Material Made from High Speed Steel : HSS M2 & M35 Grade
- Shank Type : Long & Straight.
- Size Available Metric : 2mm to 20mm
Imperial : 1/16" to 2" inches
- Chucking Reamers Supplied in :
 - a) Letter size
 - b) Fraction size
 - c) Dowel Pin size
- Sets Supplied in Tetron Kit
- Single pcs Supplied in Plastic Box



HSS Machine Bridge Reamer

- For Used Opening Out Pre Drilled Hole for Alignment in structural steel work Comes with Morse Taper Shank
- There Reamer have 25° LH Helical Flutes for RH Cutting
- Material Make of High Speed Steel : HSS M2/M35
- Manufacturing Standard BS 328, IS 5919
- Size Range Dia Metric : 60mm to 49.00mm
Imperial : 1/4" to 2" inches
- Packet in Plastic Box



HSS Countersinks 90°

(Din - 335 From C)

- 3 Cutting Edged designed for chatter free Countersinking
- Nominal Diameter is Tapered towards the Shank
- Material Make of High Speed Steel : HSS M2/ M35
- Manufacturing Standard DIN 335 from C
- Cutting Rotation Right Hand Angle 90° deg.
- No.of Flutes 3
- Available in : Straight Shank
- Size Range : 6.30mm to 31.00mm
- Paked in Plastic Box

HSS Center Reamers

(Short Countersinks 3-Flute)

- Designed for counter sinking holes for centers or for enlarging existing hole
- Odd number of flutes eliminates chatter in most applications, while providing better accuracy than a single flute countersink
- Available in 60°, 82° or 90°
- Material Make of High Speed Steel : HSS M2, M35
- Size Available : Imperial : 1/4" to 2"
- Rotation RH Cutting
- Shank Type Straight
- Manufacturing Standard ANSI-B94.2
- Supplied in Sets & Pcs



HSS Single Flute Countersinks



- Designed for machine use and light, portable work
- Ideal for Chamfering, deburring and counter sinking
- Single flute construction and low controlled relief provide chatterless operation and smooth surface finish
- Versatility of this tool should increase productivity on all general purpose applications
- Available in 60°, 82° or 90°
- Material Made from High Speed Steel : HSS M2/M35 Grade
- Size Range Imperial : 3/16" to 2"
- Available in : Sets in Wooden are also Available in Single pcs

HSS Six Flute Countersink

- Designed for Economical, General Purpose Countersink Chamfering & Debarring .
- Chip Loads are Generating Smaller and Chatter free Machining in Possible
- Available in 60°, 82°, 90°
- Material Made of High Speed Steel :HSS M2/ M35
- Size Range Imperial : 3/16" to 2"
- Available in sets in Wooden Case
- Single pcs Supplied in Plastic Box



HSS Woodruff Key Slot Milling Cutter

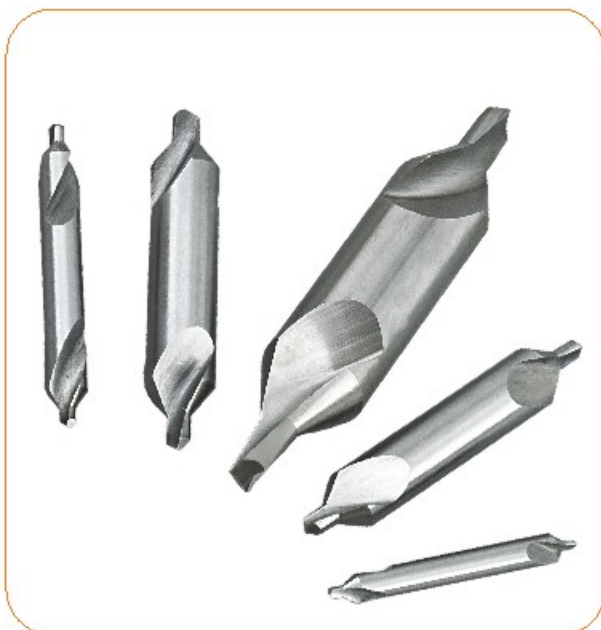
(Straight Tooth)

- Designed to mill standard woodruff key seats
- Can also perform general purpose milling operations
- Suitable for cutting ferrous and non - ferrous materials
- All sizes have 1/2" diameter shanks
- Material Make of High Speed Steel : HSS M2/M35
- Sizes available : BS 204, 304, 305, 406, 605, 606, 608 & 806
- American Size : 202 to 1212
- Shank : Parallel & Taper
- Teeth : Type A : Straight Teeth
Type B : Staggered Teeth
- Manufacturing Standard ANSI B94. 19.
- Sets in Wooden Case Single Pcs Packet in Plastic Box



HSS Tool Bits

- HSS M2 Tool Bit used for general lathe works like Turning, and Boring of material like Mild Steel & Alloy steel (Low Hard Material)
- HSS Cobalt Grade Tool Bits are Used for General Lathe Works Turning, Boring & Milling but for Hard Material with increase wear Resistance
- **Type of Tools Bits**
 - a) HSS Round Tool Bits, b) HSS Square Tool Bits
 - c) HSS Rectangular Tool Bits d) HSS Parting Tools
 - e) HSS Engraving Tool Bits
- **Material : Made of High Speed Steel Grade**
 - a) M2 with HRC 62-63 ~ , b) M35 with HRC 63-66 ~ - 5% Cobalt
 - c) M42 with HRC 65-69 ~ - 8% Cobalt
 - d) T42 with HRC 64-67 ~ - 10% Cobalt
- Size Available Both Metric & Imperial
- **Length for Round & Square Tool Bits**
 - Metric : 25mm to 200mm
 - Imperial : 1" to 8" inches
- **Size of Square Tool Bit**
 - Metric : 2mm to 25mm
 - Imperial : 3/32" to 1" inches
 - Tolerance H8
- **Size of Rectangular Tool Bit**
 - Thickness : 2mm to 20mm
 - Width : 8mm to 25mm
 - Length : 75mm to 200mm
 - : 3" to 8 inch
 - Tolerance : H12
- **Size of Parting Tool Bit**
 - Thickness : 2mm to 20mm
 - : 3/32" to 1/4" inches
 - Width : 10mm to 25mm
 - : 1/2" to 1" inched
 - Length : 75mm to 200mm
 - : 3" to 8 inch
 - Tolerance : H12
- **Size of Engraving Tool**
 - Diameter : 1.5mm to 25mm
 - Length : 75mm to 200mm
 - Tolerance : H8
- Manufacturing Standard : ISO 5421, DIN 4964
- Packed in CardBoard Box



HSS Combined Drills & Countersinks (Centre Drills)

- Used for Producing Centre Hole with Accuracy
- Designed Specially with Spiral Fluter fo Producing high Quality Centre hole in Component or workpiece which Required between centre hole with Radius & Protective Chamfering Machining.
- Type of Centre Drill : From A, Form B (Bell Type) & Form C (BS Series)
- Types Size Available : 60°, 82° Plain Type 60° Bell Type
- Point Angle 120° with 60° Include Counter Sink
- Small 120° deg Chamfer on Bell Type (from B) Protects the edges of 60° Centre Hole
- Material Made of High Speed Steel : HSS M2, M35
- Supplied in Set & Single Pcs
- Packed in Plastic & Card Board Box

HSS Jobber Series Drills (Parallel Shank Drills)

Straight Shank Ground Flute Suitable For Drilling of Steel,

Coat Iron, Stainless Steel, Brass luminous with Different

Point Angle 118°, 135°, 90°

Size Range : 1mm to 20mm

: 3/64" to 7/8" inch

Finish Bright & Steam Blue Black Oxide

Coating TN, TiCN, TiAN

Manufacturing Specification: BS 328-Part

: DIN 338

Made of High Speed Steel M2, M35-Co5%, M42-Co8%

Packet in 10pcs Pouch



Stub Series Drill

IS : 5100 / DIN : 1897 / I.S.O.

Straight shank ground flute drill. recommended for use with hand drilling machine in drill thin sections, sheet metal, car and bus bodies etc. also for use in automatic and capstan lathers.

- Range: 1 mm to 40.0mm (inches 3/64 to 1.5/8) with h8 tolerances.
- Finish: Bright.
- Point angle: standard 118° to 120°.
- Right hand cutting and right hand normal helix.
- Manufacturing specifications conforming to is : DIN 1897 / BS : 328 / i.s.o.
- Options : available in blue finish, slow and quick helix.
- Made of High Speed Steel M2, M35-Co5%, M42-Co8%
- Packed in 10pcs Pouch



Long Series Drill

IS : 5102 / DIN : 340 / BS.328 / I.S.O.

Straight shank with increased flute length for drill deep and inaccessible holes or for use in conjunction with drill bushing.

SIZE

- Range 1.0mm to 32.0mm (inches 3/64 to 1.15/64) with h8 tolerance.
- Finish: Bright.
- Point angle: standard 118° to 120°.
- Right hand cutting and right hand normal helix.
- Manufacturing specifications conforming to is : 5102 / DIN 340 / BS : 328 / I.S.O.
- Options : available in blue finish, slow and quick helix.
- Made of High Speed Steel M2, M35-Co5%, M42-Co8%
- Packed in 10 pcs Pouch & Single pcs in Plastic Box



Taper Shank Drill

IS : 5103 / DIN : 345 / BS : 328 / I.S.O

Standard morse taper shank milled flute drill for general purpose flute drill for general purpose application on steel and cast steel, alloyed and non alloyed, grey case iron, German silver steel, graphite, etc.

SIZE

- Range : 3.0mm to 52.0mm (inches 1/8 to 2) with h8 tolerance.
- Steam tempered blue milled flute with bright ground surface finish.
- Point angle: standard 118° to 120°
- Right hand cutting and right hand normal helix.
- Manufacturing specifications conforming to is : 5103 / DIN : 345 / BS : 328 / I.S.O.
- Options : available in blue finish, slow and quick helix.
- Made of High Speed Steel M2, M35-Co5%, M42-Co8%
- Packed in Single Pcs Plastic Box



HSS Silver & Deming Drill (Reduced Shank Drill)

- Used For drilling larger holes with standard chuck size (1/2"). These drills comes standard length of 3mm flute and 6" overall length.
- Ideally for maintenance work.
- Range dia -1/2 "to1 2"(12.7 mm to 50 mm)

Point Angle 118°, Drill Manufactured with Ground Fluted up to 14mm and above sizes are all Flute

Made of High Speed Steel M2, M35- Co5%, M42- Co8%

Packed in Single pcs Plastic Box



Straight Shank Extra Long Drill

Straight shank drill with extra long flute for drilling extremely deep holes.

- Range : 3.0 mm to 13.0 mm (inches 1/8 to 1/8) with h8 tolerance.
- Finish: Bright
- Point angle : standard 118° to 120°
- Flute length and overall length as per jk standard. Other manufacturing specification can provided.
- Options : Available with slow and quick helx, Drills with increased flute and overall length as per Customer's specification can also be provided.
- Made of High Speed Steel M2, M35- Co5%, M42- Co8%

Precaution : feeds, speeds and work holding must be carefully died to avoid vibrations. It is vital importance to have frequent withdrawal of the drill from the hole and a copious flow of correct type of coolant.

Packed in CardBoard Box



HSS Gear Hob Cutter

- Offer both Single Start & Multi Start Hobs well Designed on CAD File so that it Generates the Accurate Spline.
- Offers Ground Profile
- CLASS : A, CLASSAA, CLASS : B, CLASS : C
- Machine Relieved Gear Hobs
- Module : From 0 Module to 50 Module & 64 DP to 0.5 DP
- Made of High Speed Steel M2, M35-Co5%, M42-Co8%
- Surface Coating : TIN, TiCN
- Produced Straight & Helical Gear Hobs
- Manufacturing Standard : BS/DIN/ASA/IS 2062, 3968
- Type of Hobs we Manufacturer
 - a) Spur & Helical Gear Hobs
 - b) Pre Shaving Gear Hobs
 - c) Pre Grinding Gear Hobs
 - d) Straight & Involute Spline Hobs
 - e) Serration Hobs
 - f) Worm Hobs
- Dimension Required at Time of Order
 - a) Outer Dia Meter
 - b) Bore Dia Meter
 - c) Length of Hob
 - d) Starts of Hob
 - e) Module of Hob
- Packed in Card Board Box

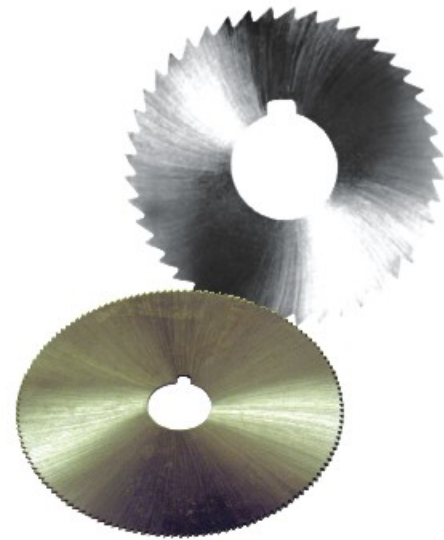


HSS Side & Face Cutter

- Used For End and Face Cutting of the Job or work pieces.
- Size Diameter : Metric : 50mm to 200mm
Imperial : 2" to 8"
Width 4mm to 40mm
Bore Size 1" & 1.1/4"
- Offer Two Type of side & face Cutter
 - Type A - Straight Teeth
 - Type B - Straggred Teeth
- Manufacturing Standard BS 122, 1 S6308, DIN 1885
- Material Made of High Speed Steel : HSSM2, M35, M42 Grade
- Packed in Card Board Box

HSS Slitting Saw Cutter

- Fully ground surface. High Quality Slitting Saw Cutter
- Used for Excellent for slotting and plunging
- Available Coarse Teeth & fine Teeth.
- Sides of Saw Cutter are Ground with slight concavity to avoid dragging into cut.
- Minimum Thickness 0.20m
 - Outer Dia 2.1/2" to 10"
 - Bore Dia 1" to 1.1/4"
 - Thickness 1/8" to 21/64"
- Material Made of High Speed Steel : HSS M2, M35 & M42 Grade
- Packed in Card Board Box



HSS Single Angle Dovetail Cutters

- Use to produce Dovetail slide ways in machine Tool tables, jigs and fixtures
- Designed to take the place of arbor type cutters
- Can be used both in manual and CNC machines
- Suitable for use in a wide range of ferrous and non-ferrous materials
- Available in Angle 45° or 50°, 55° & 60° deg
- Rotation RH Cutting
- Material Made of High Speed Steel : HSS M2, M35 Grade
 - Type A : Dovetail Milling Cutter with Plain Parallel Shank
 - Type B : Inverse Dovetail Cutter with Norma
- Manufacturing Standard IS 6255, DIN 18331
 - Size Range : Metric : 12mm to 32mm
 - Imperial : 3/8" to 2-1/2"
- Available in Both Sets and Pcs

HSS Single Angle Shank Type Chamfer Cutter

- Use for chamfers and other angular milling operations
- Available with included angles of 45° and 60°
- Material Made from High Speed Steel : HSS M2, M35 Grade
- Sizes Available : 1/2" to 1-1/2"

SIZE	CUTTER WIDTH		SHANK DIA	OVERALL LENGTH
	45°	60°		
1/2"	1/8"	7/32"	3/8"	2-1/8"
3/4"	3/16"	5/16"	3/8"	2-1/8"
1"	5/16"	7/16"	1/2"	2-1/2"
1-1/2"	1/2"	5/8"	3/4"	2-3/4"



Double Angel Shank Type Cutters

- Use for Notches, V-Grooves & other angular milling operations
- Available with included angles of 60° and 90°
- Material Made from High Speed Steel : HSS M2, M35 Grade
- Sizes available : 3/4" to 2-1/4"

A) 60° DOUBLE ANGLE

CUTTER DIA	FACE WIDTH	SHANK DIA	OVERALL LENGTH
3/4"	3/16"	3/8"	2-3/8"
1"	5/16"	1/2"	2-17/32"
1-3/8"	7/16"	5/8"	3-7/32"
1-1/2"	1/2"	5/8"	3-3/8"
1-7/8"	5/8"	3/4"	3-25/32"
2-1/4"	3/4"	7/8"	4-5/32"

B) 90° DOUBLE ANGLE

CUTTER DIA	FACE WIDTH	SHANK DIA	OVERALL LENGTH
3/4"	1/4"	3/8"	2-7/16"
1"	3/8"	1/2"	2-29/32"
1-3/8"	1/2"	5/8"	3-9/32"
1-1/2"	9/16"	5/8"	3-7/16"
1-7/8"	5/8"	3/4"	3-25/32"
2-1/4"	3/4"	7/8"	4-5/32"



Radius Shank Type Cutters

- Use concave design cutters for milling male half circles
- Use convex design cutters for milling female half circles
- Material Made from High Speed Steel : HSS M2, M35 Grade
Shank Dia 1/2" & 3/4"
Size Available : 1/32" to 3/8"
Available in Both
a) Concave Radius Cutters
b) Convex Radius Cutters.

A) CONCAVE RADIUS CUTTERS

RADIUS	CUTTER	SHANK DIA	NO. OF DIA	OVERALL LENGTH
1-32"	3/4"	1/2"	6	3"
1/16"	3/4"	1/2"	6	3"
3/32"	3/4"	1/2"	6	3"
1/8"	1"	3/4"	6	3-1/2"
5/32"	1"	3/4"	6	3-1/2"
3/16"	1"	3/4"	6	3-1/2"
1/4"	1-1/4"	3/4"	4	4"
5/16"	1-1/4"	3/4"	4	4"
3/8"	1-1/2"	3/4"	4	4-3/16"

B) CONCAVE RADIUS CUTTERS

RADIUS	CUTTER	SHANK DIA	NO. OF DIA	OVERALL LENGTH
1-32"	3/4"	1/2"	6	3"
1/16"	3/4"	1/2"	6	3"
3/32"	7/8"	1/2"	6	3"
1/8"	1-1/4"	3/4"	6	3-1/2"
5/32"	1-5/16"	3/4"	6	3-1/2"
3/16"	1-3/8"	3/4"	6	3-1/2"
1/4"	1-1/2"	3/4"	4	4"
5/16"	1-5/8"	3/4"	4	4"
3/8"	1-3/4"	3/4"	4	4"



HSS T-Slot Milling Cutters

- Right Hand Cutter with Staggered Teeth and Weldon Shank
- Use primarily for milling T-Slots in machine tool tables and beds
- Material Made from High Speed Steel : HSS M2, M35 Grade
- Size Available : 1/4 to 1-1/4
- Shank : Straight Shank Taper Shank
- Manufacturing Standard : BS 122 Part :
- No. of Flutes : 8,10,12

T-SLOT MILLING CUTTERS

BOLT SIZE	DIAMETER OF CUTTER	WIDTH OF CUTTER	DIAMETER OF NECK	OVERALL LENGTH	DIAMETER OF SHANK	NO. OF FLUTE
1/4	9/16	15,64	17,64	2-19/32	1/2	8
5/16	21,82	17,64	21,64	2-11/16	1/2	8
3/8	25,82	21,64	13,82	3-1/4	3/4	8
1/2	31,82	25,64	17,82	3-7/16	3/4	8
5/8	1-1/4	31,64	21,82	3-15/16	1	10
3/4	1-15/32	5,8	25,82	4-7/16	1	10
1	1-27/32	53,64	1-1/32	4-13/16	1-1/4	10
1-1/4	2-7/32	1-3/32	1-9/32	5-3/8	1-1/4	12

Tap & Die Sets

- Use for Threading Purpose it Include All Range of Tap & Dies as per your Need.
- Each Set Contains Taps & Round Dies with Required Die Handle Tap Wrench & One Pcs Screw Driver.
- Taps can be 3 Pcs set of Single Pcs
- Material : High Speed Steel & Carbon Alloy Steel.

Size

1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 BSW, BSF, UNF, UNC
 1/8, 5/32, 3/16, 7/32, 1/4 BSW, BSF, UNF, UNC
 1/4, 5/16, 3/8, 7/16, 1/2 BSW, BSF, UNF, UNC
 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 BSW, BSF, UNF, UNC
 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1 BSW, BSF, UNF, UNC
 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4 BSW, BSF, UNF, UNC
 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4, 1.1/2 BSW, BSF, UNF, UNC
 2, 3, 4, 5, 6 MM
 2, 3, 4, 5, 6, 7, 8, 9, 10 MM (S.I.)
 3, 4, 5, 6, 7, 8, 10, MM (S.I.)
 3, 4, 5, 6, 7, 8, 9, 10, 12 MM (S.I.)
 6, 7, 8, 10, 12, MM (S.I.)
 6, 8, 10, 12, 14, 16, 18 MM (S.I.)
 6, 8, 10, 12, 14, 16, 18, 20 MM (S.I.)
 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 MM (S.I.)
 0, 1, 2, 3, 4, 5, 6 BA
 0, 1, 2, 3, 4, 5, 6, 7, 8 BA
 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 BA
 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1 BSP
 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4 BSP
 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4, 1.1/2 BSP
 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1 NPT, BSPT
 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4 NPT, BSPT
 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1.1/4, 1.1/2 NPT, BSPT



Valve Seat Milling Cutter

VALVE SEAT MILLING CUTTERS

The valve milling cutters are used for manual re-facing and milling the seats of valves of engines, steam engines and pneumatic machines. This re-facing and milling is done during replacement or re-grinding of valves.

Description:

Bodies of the milling cutters are provided on one side with taper of 90 deg. (bevel of 45 deg.) with cut teeth, number of which varies according to diameter of cutter body. The other side of the cutter body is straight and also provided with cut teeth. In the middle, the cutter body has a bore of 14 mm diameter (tolerance H7), allowing the cutter to be slid in the ways of the guide. The guides of the valve milling cutters are provided on one side with a shank of different diameters and on the other side with hexagonal head of 17 mm for spanner, ways for cutter body of 14 mm diameter and thread M10 for screwing on of spanner.

Workmanship:

The cutter bodies are made from tool steel. After cutting of teeth, the bodies are hardened to 58—62 HRC and sand blasted. The teeth are sharpened and periphery of the body ground. The guides and spanner are machined and polished.

Operation:

Body of the milling cutter of respective diameter is mounted on the guide (on 14 mm diameter) and spanner is screwed on thread M10. By tightening the latter spanner, the cutter body is secured and locked against self-rotation. Shank of the guide is mounted in respective shank of valve in the engine block and by rotation of the entire set in direction against indination of cutter teeth; the valve seat is re-faced or milled. Work with the valve seat milling cutters is easy and quick.



High Speed Steel Lathe Tools

- Set consists of different M2 HSS Tools for turning and facing work on lathe
- These tools can be used for machining most materials including wood, plastic, aluminium, brass and steel
- The tools retain their hardness at high temperatures
- The major advantage of HSS tool is their ability to be easily sharpened by standard grinding wheels.

CAT NO.	SHANK SIZE	SHANK LENGTH	NO. OF PCS IN SET
MTS-6642	1/8"	2-3/8"	8
MTS-5589	1/4"	2-1/2"	8
MTS-5590	5/16"	3-1/8"	8
MTS-6643	3/8"	4"	8
MTS-5586	3MM	60MM	8
MTS-5597	4MM	60MM	8
MTS-5598	5MM	60MM	8
MTS-5568	6MM	65MM	8
MTS-5569	8MM	80MM	8
MTS-5599	10MM	100MM	8

8 SET CONSISTS OF :

OFFSET CRANKED TURNING TOOL (FORM 1, RH)

OFFSET CRANKED TURNING TOOL (FORM 2, LH)

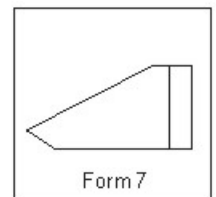
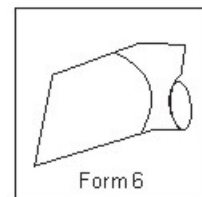
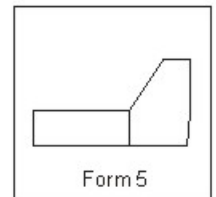
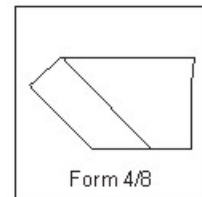
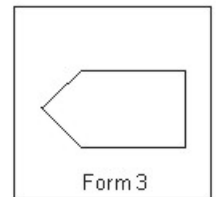
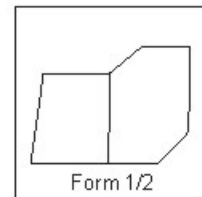
POINTED NOSE TURNING TOOL (FORM 3, ST)

STRAIGHT CORNER TURNING TOOL (FORM 4, RH)

PARTING/INSIDE TURNING TOOLS (FORM 6)

BORING/INSIDE TURNING TOOL (FORM 7, RH)

STRAIGHT CORNER FINISHING TOOL (FORM 8, RH)



Carbide Brazed Tip Tools [Brazed Lathe Tools]

- For use on steel and steel alloys
- Suitable for 1/2" / 12 mm height tool posts
- Very useful tool set for various types of machine cutting operations
- set supplied in plastic storage case

Advantages of carbide tools

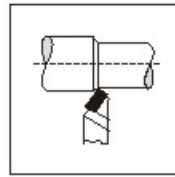
- For Cutting hard or abrasive material
- Carbide retains hardness at high temperatures permitting faster feed and speeds rates

Disadvantages of carbide tools

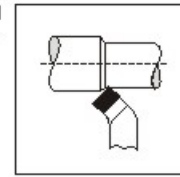
- Difference in coefficient of expansion between carbide tip and steel shank may cause carbide to be under stress during production
- Harder to sharpen than HSS

Our Range Of Brazed Carbide Tipped Tools Includes:

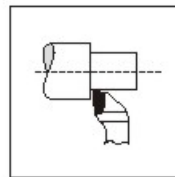
- Bar Turning Tool ISO1 DIN 4971
- Crank Face Tool ISO2 Din 4972
- Crank finishing Tool ISO3 DIN 4978
- Recessing Tool ISO4 DIN 4976
- Crank Facing Tool ISO5 DIN 4977
- Crank Knife Tool ISO6 DIN 4980
- Parting Tool ISO7 DIN 4981
- Boring Tool ISO8 DIN 4973
- Boring & Facing Tool ISO9 DIN 4974
- St. Finishing Tool ISO 10 DIN 4975
- Crank Internal Recess Tool ISO11 DIN 63
- External Threading Tool No.165, 55 & 60 Deg. DIN 282, 211.11
- Internal Threading Tool No.166, 55 & 60 Deg. DIN 283, 211.2 ISO14
- Cranked Round Nose Tool No. 115, DIN 211.71
- Straight Round Nose Tool No. 113 DIN 211.61



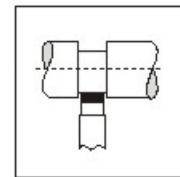
Straight Turning Tool
OAL : 3 1/4" / 80 mm
(IS11, RH)



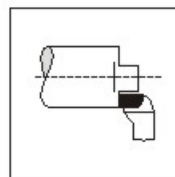
Cranked Turning and Facing Tool
OAL : 3 1/4" / 80mm
(ISO2, RH)



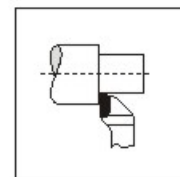
CRANKED FINISHING TOOL
OAL : 3 1/4" / 80 mm
(ISO3, RH)



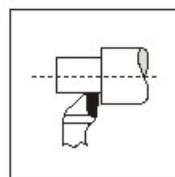
BROAD TURNING TOOL
OAL : 3 1/4" / 80MM
(ISO4, ST)



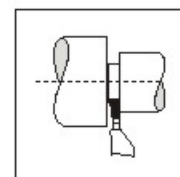
CRANKED FACING TOOL
OAL : 3 1/4" / 80 MM
(ISO5, RH)



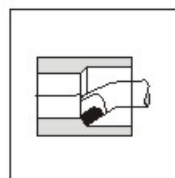
CRANKED TURNING TOOL
OAL : 3 1/4" / 80 MM
(ISO6, RH)



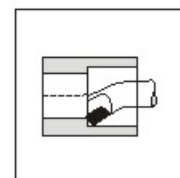
CRANKED TURNING TOOL
OAL : 3 1/4" / 80MM
(ISO6, LH)



PARTING OFF TOOL
OAL : 3 1/4" / 80MM
(ISO7, RH)



BORING TOOL
OAL : 5" / 125 MM
(ISO8, RH)



BORING AND FACING TOOL
OAL : 5" / 125MM

