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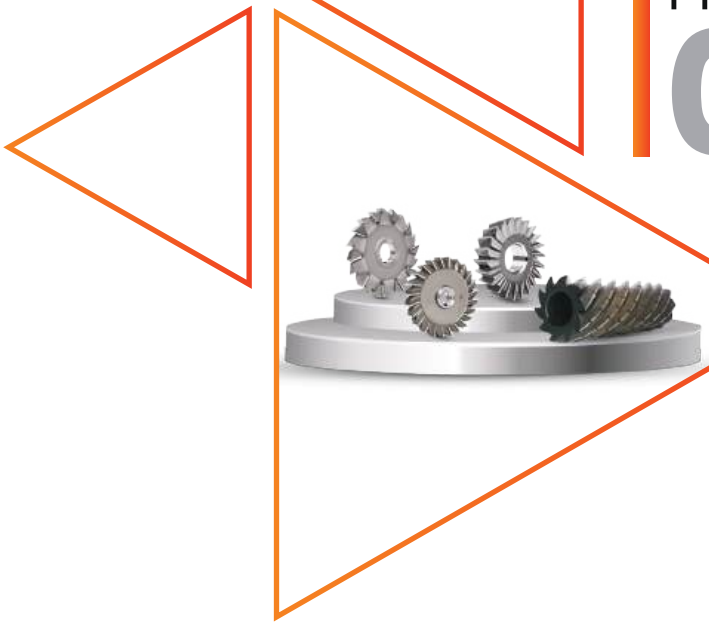
DAGGER BRAND®
SINCE 1937

PRECISION THAT DRIVES PERFORMANCE



PRICE LIST 0426

www.birlaprecision.com

Birla Precision Technologies Limited (BPTL) stands as one of India's most trusted tooling solution providers, with a legacy dating back to 1937, when its division Indian Tool Manufacturer's (ITM) pioneered the manufacture of High-Speed Steel (HSS) Cutting Tools in the country.
Over the decades, BPTL has grown into a multi-division enterprise, offering a comprehensive portfolio of tooling solutions:

Indian Tool Manufacturer's (ITM) - A leader in HSS cutting tools, with three state-of-the-art plants at Nashik, Aurangabad, and Chalisgaon. ITM manufactures both standard and customized tools in grades like M2, M35, M42, and T42, marketed under the iconic "Dagger" brand, supported by a robust nationwide network.

Birla Durotool - Specializes in power tool accessories and engineering files, serving industries, tradesmen, and DIY users with products designed for durability, precision, and consistent performance.

Carbomach - Dedicated to producing high-quality carbide drills & end mills, ensuring dependable input materials for precision cutting tools in domestic and global markets.

Tool Holder Division - Established in 1986, BPT is India's first tool holder manufacturer, producing AT3 tool holders, collets, work holding, and production boosters. As the only domestic producer of several products, it serves as a true import substitute and a Make in India pioneer. BPT caters to leading customers in India and exports extensively to the USA, Germany, APAC, and China.

Precision Components Division specializes in manufacturing high-precision machined components mainly for engine, hydraulic and industrial applications, serving leading Tier 1 & OEMs.

All BPTL plants are ISO 9001:2015 certified by TÜV-RW, upholding the highest standards of manufacturing excellence. With a pan-India network of distributors, dealers, branch offices, and service engineers, BPTL delivers more than just tools - it delivers trust, performance, and precision.

Birla Precision Technologies Limited continues to innovate, expanding its reach as a complete tooling solutions provider for industries in India and worldwide.

NASHIK PLANT

AURANGABAD PLANT

CHALISGAON PLANT

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Price List
Effective : 1st April 2026

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TERMS AND CONDITIONS

Prices :

- This supersedes all our previous price lists.
- Prices given in this pricelist are base prices. Taxes are extra as applicable.
- Price given here are for standard products.
- For unlisted intermediate sizes, the higher price of the nearest listed size will apply.
- The prices are for delivery on F.O.R Destination
- The prices are based on the present input costs and are subject to revision without prior notice.
- The dealers / stockiest are free to sell the goods at prices lower than the prices indicated in this price list.

Minimum Order Quantities (MOQ) :

The Minimum Ordering (MOQ) mentioned against each product in this price list are for each size / length / bore size of that product. Any order for a quantity lesser than MOQ can be supplied with an additional surcharge, which will be furnished on request.

Delivery :

Standard deliveries are indicated below, however Special Deliveries can be considered on request based on available load position at the time of ordering.

* FMI (Fast Moving Items) – within 6 weeks for MOQ Quantities from the date of Firm Order

SFMI (Semi-fast Moving Items) – within 8 weeks for MOQ Quantities from the date of Firm Order

OTHER Items – within 12 weeks for MOQ Quantities from the date of Firm Order

Other Instructions :

The products indicated in this pricelist are confirming to National & International Standards. However, we can manufacture and supply special and customized tools as per the requirement of the customers and end-users on request. For special requirements please send your enquiries to : info@birlaprecision.com

Quick Spiral and Slow Spiral Drills			
Series	**Size**	**Standard**	**Surcharge (extra) on listed price indicated in this Price List**
Parallel Shank Twist Drills			
Jobber Series	1.0mm - 3.17mm (1/8")	IS 5101 - 2002 ISO 235 - 1980 BS 328 (PART 1) - 1993 DIN 338 - 1984	50%
	Above 3.17mm (1/8")	IS 5101 - 1991 BS 328 (PART 1) - 1986 ISO 235 - 1980 BS 328 (PART 1) - 1986 DIN 338 - 1984	25%
Stub Series	1.0mm - 3.17mm (1/8")	IS 5100 - 2002 ISO 235 - 1980 BS 328 (PART 1) - 1993 DIN 1897 - 1984	50%
	Above 3.17mm (1/8")	IS 5100 - 1969 ISO 235 - 1980 BS 328 (PART 1) - 1993 DIN 1897 - 1984	25%

Long Series	1.0mm - 3.17mm (1/8")	IS 5102 - 2002 ISO 494 - 1975 BS 328 (PART 1) - 1993 DIN 340 - 1978	50%
	Above 3.17mm (1/8")	IS 5102 - 2002 ISO 494 - 1975 BS 328 (PART 1) - 1993 DIN 340 - 1978	25%

Taper Shank Twist Drills

All Series of Taper Shank	3.0mm - 102.0mm (4")	IS 5103 - 2002 ISO 235/1 - 1980 BS 328 (PART 1) - 1993 DIN 345 - 1978	25%

Extra Long Series

Parallel Shank	3.0mm - 12.50mm (1/2")	IS 7823 - 2005 ISO 3292 - 1995 IS 7822 - 2005 ISO 3291 - 19795	25%
Taper Shank	3.0mm - 102.0mm (4")		
Taper Shank Twist Drills	3.0mm - 102.0mm (4")	IS 5103 - 2002 ISO 235/1 - 1980 BS 328 (PART 1) - 1993 DIN 345 - 1978	25%
Taper Shank Core Shank Core Drills	7.0mm - 76.2mm	IS 5103 - 2002 ISO 235/1 - 1980 BS 328 (PART 1) - 1993 DIN 345 - 1978	25%
Over Size Shank Taper Shank Drills	Any Size	IS 5103 - 2002 ISO 235/1 - 1980 BS 328 (PART 1) - 1993 DIN 345 - 1978	25%

Milling Cutter :

1) For Convex cutters, Concave Cutter, Single Corner Rounding Cutters, we will manufacture to current IS - IS 6323-2002, IS 6322 - 2002 and IS 6314 - 2002.
2) Slotting Cutter to BSS. Cutters of width ¾" and above will be supplied with LH Helix as Standard.
3) Convex Cutters, Concave Cutters, Single Corner Rounding Cutters, Cutters will be radially Machine Turned Relieved.

End Mills :

Parallel Shank End Mills :

1) Type 'N' RH Helical Flutes for RH Cutting will be supplied as Standard
2) Long Series End Mills can be supplied at 30% Surcharge over the Standard Price with
   MOQ Up to 13mm - 100 Nos. Each
   14mm to 16mm - 50 Nos. Each
   17mm to 22mm - 25 Nos. Each
   Above 22mm - 10 Nos. Each

Taper Shank End Mills :

1) Tanged TS End Mills in Tool Type 'N' with LH Helical Flutes for RH Cutting will be supplied as Standard
2) TS End Mills with Tapped End from 6.0mm dia. can be manufactured and supplied as per IS 6354 - 1991

Slot Drills :

Parallel Shank Slot Drills :

1) Metric Sizes Type 'A' Flat Face of Short Series with RH Helical Flutes for RH Cutting..
2) Prices and MOQ for Standard series can be furnished on request.
3) Metric Sizes RH Cutting RH Helical Flutes will be supplied as Standard.

Taper Shank Slot Drills :

1) Metric Sizes with Tapped End from 7.0mm dia. can be manufactured and supplied as per IS 6388 - 1991.
2) RH Cutting RH Helical Flutes will be supplied as Standard.

Taps :

Hand Taps - MCP

A Set consists of Taper, Second and Bottoming.

Part 2 Design will be supplied from M3 to M10 and Part 3 design will be supplied above M10.

Hand Taps - MFP

A Set consists of Taper and Bottoming.

Part 2 Design will be supplied from 3mm to 10mm and Part 3 design will be supplied above 10mm.

Long Shank Machine Taps

Type-A - 5 Deg. Taper Angle with Long Taper Lead
Type-B - 10 Deg. Taper Lead Angle with Spiral Point
Type-C - 20 Deg. Taper Angle with Short Taper Lead
Type-D - 10 Deg. Taper Angle without Spiral Point

BSP (P), NPS, NPSF, BSPT, NPT & NPTF

A Set consists of 2 Taps (Taper & Bottoming)

BS CONDUIT & BSCY

A Set consists of 3 Taps (Taper, Second & Bottoming)

The following Items of Taps can also be supplied at price indicated (MOQ as per the standard given in this Price List)

a) LH Taps – Surcharge 25% extra on the Listed Price
b) Part 3 Design taps (up to and Including 10mm) - Surcharge 15% Extra on the Listed Price
c) Serial Taps - No Surcharge

CONTENTS

DRILLS

- **Parallel Shank Twist Drills – Jobber Series** 02 to 07
  M2 Ground Drills
  M2 Ground Drills TIN Coated
  M35 Ground Drills - Panther
  M42 Ground Drills - Ninja
  M2 ForgeLine Drills
  M2 Hathyar Drills
- **Parallel Shank Twist Drills – M2 Stub Series** 08 to 10
  Parallel Shank Twist Drills - Long Series
  M2 Ground Drills
  M2 Ground Drills TIN Coated
  M2 ForgeLine Drills
  M2 Hathyar Drills
  Parallel Shank Twist Drills - M2 Stub Series
- **Parallel Shank Twist Drills – M2 Long Series** 11 to 13
- **Taper Shank Twist Drills** 14 to 18
  M2
  M35 - Panther
  M42 - Ninja
- **Taper Shank Core Drills – M2** 19 & 20
- **Shell Drills** 21
- **Centre Drills – BS, Type 'A', 'B' and 'R'** 21 to 22
  M2
- **Taper Shank Twist Drills – M2 Long Series** 23 to 25
- **Taper Shank Twist Drills – M2 Extra Long** 26 to 30
- **Parallel Shank Twist Drills – Extra Long** 31 to 32

REAMERS

- **Parallel Hand Reamers, Long Fluted Machine Reamers And Parallel / Taper Shank Chucking Reamers** 34 & 37
- **Taper Shank Extra Long Machine Reamers** 38
- **Taper Pin, Taper Reamers Hand / Machine, Machine Jig Reamers** 39
- **Socket Reamers Parallel / Taper, MAchine Bridge Reamers** 40
- **Shell Reamers** 41

MILLING CUTTERS

PAGE NO.

- **Taper Shank Counter Bores** 43
- **Cylindrical Cutters – High Power & Helical** 43 & 44
- **Side & Face Cutters – Straight & Staggered Teeth** 44 to 48
- **Single Angle Milling Cutters** 49
- **Double Angle Milling Cutters** 50
- **Convex Cutters, Concave Cutters** 51 & 52
- **Corner Rounding Cutters (Single & Double)** 52 & 53

END MILLS

- **Parallel Shank End Mills** 55
- **Taper Shank End Mills** 56
- **Parallel Shank Slot Cutters** 57 & 58
- **Taper Shank Slot Cutters, Slot Drills, T-Slot Cutters** 58 to 60
- **Wood Ruff Cutters** 61
- **Key Way Milling Cutters** 62
- **HSS Slotting Cutters** 63
- **HSS Shell End Mills** 63

TAPS

- **Hand Taps : MCP** 65 & 66
  M2
  M35 - Panther
  M2 Spiral Flute
  M2 SPPT - Type B
- **Machine Taps : MCP** 67 & 68
- **Hand Taps : MFP** 69
  M2
  M35
  M2 Spiral Flute
  M2 SPPT - Type B
- **Long Shank Machine Taps : Coarse & Fine Pitch**
  Hand Taps & Nut Taps (BSW, BSF, UNC, UNF) 70 & 71
- **Hand Taps – BSP (P), NPS, NPSF, BSPT**
  NPT, NPTF, BS COND & BSCY LPG Cylinder – NGT Taps 72 to 74

BIRLA PRECISION Forward, Together.

PAGE NO.

- **Panther Series Taps** 75 to 80
- **Ninja Series Taps** 81 & 82

TOOL BITS

- **HSS Square Tool Bits** 83 & 84
  M2
  T42
  T42C

ANNULAR CUTTER

- **HSS M2 ANNULAR CUTTER (DEPTH OF CUT - 35MM)** 97
- **HSS M2 ANNULAR CUTTER (DEPTH OF CUT - 50MM)** 97 & 98
- **TCT ANNULAR CUTTER (DEPTH OF CUT - 35MM)** 98 & 99
- **TCT ANNULAR CUTTER (DEPTH OF CUT - 50MM)** 99 & 100
- **TCT ANNULAR CUTTER (DEPTH OF CUT - 75MM)** 100 & 101
- **TCT ANNULAR CUTTER (DEPTH OF CUT - 100MM)** 101 & 102
- **RAIL TCT ANNULAR CUTTER (DEPTH OF CUT - 25MM & 50MM)** 103
- **PILOT PIN** 104
- **MAGNETIC DRILL MACHINE** 104

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Forward, Together.

BIRLA DUROTOOL

Kushal Karigaron Ki Pasand

SDS PLUS HAMMER DRILLS (FLAT & CROSS) 124 to 126

MASONRY DRILLS 128

CUT OF WHEEL (COW) 130

DEPRESSED CENTER DISCS (DCD) 130

FLAP DISC 131

DIAMOND BLADE 131

TUNGSTEN CARBIDE TIP (TCT) CIRCULAR SAWS WOOD & ALUMINIUM 132

ENGINEERING FILES 134 to 137

NEEDLE FILES & DIAMOND COATED FILES 138 & 139

DUROMASTER 141 to 148

BIRLA PRECISION
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HSS TWIST DRILLS

ITM offer a extensive range of standard and special twist drills in different grades of HSS, available in various diameters.

RANGE :

Type : Parallel Shank Stub Series, Jobber Series, Long Series, Taper Shank Drills, Core Drills, Extra Long Drills with Parallel & Taper Shank, Combined Drills and Countersinks (Center Drills), Taper Pin Drills, Shell Drills, Special Drills etc.

Size : Parallel Shank Twist Drills : **3mm - 31.5mm, 3/64" - 1.15/64"**
Taper Shank Drills : **3.0mm - 102mm : 1/8" - 4"**
MAL - **2000mm**

Material : HSS - M2

Note : Drills can be supplied as per specific Customers needs on request as follows :
- Intermediate Diameters.
- Non Standard and Special Drills.
- In different grades of HSS like M35, M42 etc.
- Various surface coating like TiN, TiAlN etc.
- Special geometry to suit various applications.

PANTHER PRODUCTS

PANTHER
• Quicker • Sharper • More Powerful

DRILLS Panther series Drills are made-out of finest HSS Presmium Materials and manufactured from latest CNC Machines, having special point geometry to produce better finish and accurate holes. These drills designed especially to machine difficult to cut material like Stainless steels, Nickel chromium steel and Forged steel etc.

Advantages :
- Best Suitable for tougher material.
- Unique point geometry to reduce thrust forced during drilling.
- Special surface treatment for maximum wear resistance.
- Longer Tool Life.

TAPS Panther series Taps are made-out of premium grades of HSS Materials. These taps are produced from our latest CNC Machines, having unique geometries to suit different work materials. Panther series consists of Spiral Flute, Spiral Point, Roll Form and Cast Iron Taps. We can supply these taps with TiN, TiCN and Ti(Al)N coating to enhance performance of taps.

- **Spiral Flute Taps :** Best suitable for Blind Hole applications, spiral flutes eliminate the chip clogging.
- **Spiral Point Taps :** Best suitable for through hole applications, spiral point works as a chip breaker, to push chip towards forward direction.
- **Roll Form Taps :** Roll form tapping operation is a chip less operation, Form threads are produced by displacement of material. Best suitable for soft materials like Aluminum, Copper and Brass etc.
- **Cast Iron Taps :** Best suitable for blind and through application of Cast Iron materials.

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NINJA PRODUCTS

TAPS After successful launch of Panther Taps, we at Indian Tool Manufacturers (ITM) - A division of Birla Precision Technologies Ltd., are proud to announce launch of our "NINJA Taps", a new series of superior quality Taps. These Taps are made out of premium quality of HSS grade of Materials.

ITM NINJA Taps meets the customer needs of precise thread quality and improved productivity. The range of these products consists of SPPT Taps, Spiral Taps, St. Flute Taps and Roll Form Taps.

- Spiral Point Taps : (Size Range **M3 - M16**)
- Spiral Flute Taps : (Size Range **M3 - M16**)
- St. Flute Taps : (Size Range **M3 - M16**)
- Roll Form Taps : (Size Range **M6 - M16**)

DRILLS NINJA Series of Drills are made out of highest quality of HSS grade of Materials. These drills are manufactured on our latest CNC Machines, with special geometry to give better performance. These Drills can be used for Stainless Steel, Nickel Chromium Steel and Forged Steels etc.

Size Range :

Ninja Series Drills are manufactured; as per IS:5101 and BS:328.
Metric Size : **3.0mm** to 1**3.0mm**
Inch Series : **1/8"** to **1/2"**

Applications :

Ninja series drills are best suitable for drilling on;
Stainless Steels, Forged Steels, Nickel Chromium Steels and Tougher Machining Applications.

HSS SCREWING TAPS

Available in a wide range of sizes, types and combinations.

RANGE :

Type : Hand and Short Machine Taps, Long Shank Machine Taps, Nut Taps, Pipe Taps, BSW, UNC, NC, NE, NGT and special Taps.

Size : **3mm - 100mm : 1/8 - 4"**

Material : HSS - M2

Note : Taps can be supplied as per Customers needs on request as follows :

- Serial or Non Serial.
- Individual Pieces or in Sets.
- Different type of Flute like Straight, Helical, Spiral, Spiral Point & Fluteless.
- In different grades of HSS like M35, M42 etc.
- Special Taps as per Customer's Drawing.

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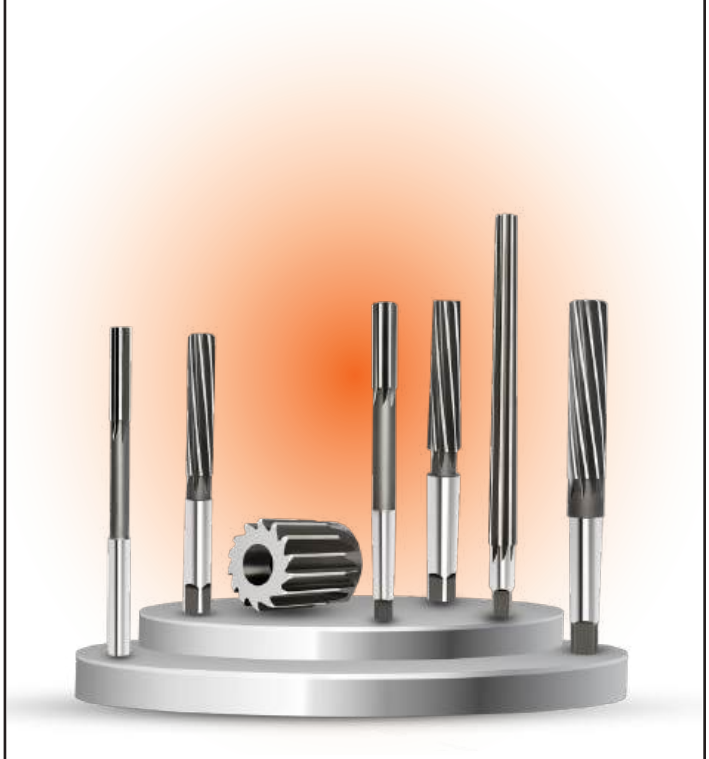
HSS REAMERS



Available in a wide range of diameters and manufactures to suit specific reaming operations to provide perfect accuracy and optimum surface Finish.

RANGE :

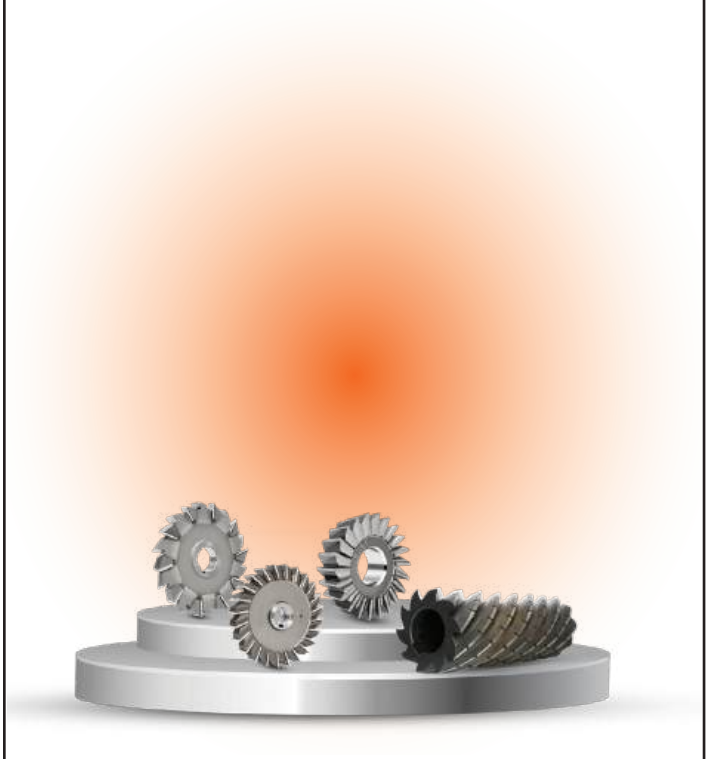
Type : Parallel hand reamers, Long fluted machine reamers, Chucking reamers with parallel shank or Taper shank, Bridge reamers, Taper pin reamers, Socket reamers, Machine jig reamers, Center reamers, Shell reamers etc.

Size : **3.0mm - 76.2mm : 1/8" - 3"**

Material : HSS - M2

Note : Reamers can also be supplied as per specific Customers need as follows :
- Non standard and special as per Customers drawing.
- Intermediate diameters.
- In different grades of HSS like M35, M42 etc.
- Various surface coating like TiN, TiAlN etc.

HSS MILLING CUTTERS



Available in a wide range of diameters and types suitable for various types of milling operations.

RANGE :

Type : Cylindrical cutters, Side & Face cutters, Shell end mills, Single and Double angle cutters, Face cutters, Slotting cutters, Keyway milling cutters, Hollow mill, Convex and Concave milling cutters, Single and Double corner rounding cutters, Parallel and Taper shank slot drills, End mills, "T" Slot cutters, Counter bores, Counter sinks, Woodruff key slot cutters with parallel shank and cutters as per special design.

Size :
Shank Type cutters : **3mm - 63mm : 1/8" - 2.1/2"**
Bore Type cutter : **40mm - 250mm : 1.1/2" - 10"**

Material : HSS - M2

Note : Milling cutters can also be supplied as per specific Customers needs as follows :
- Non standard and special as per Customers drawing.
- Intermediate diameters.
- In different grades of HSS like M35, M42 etc.

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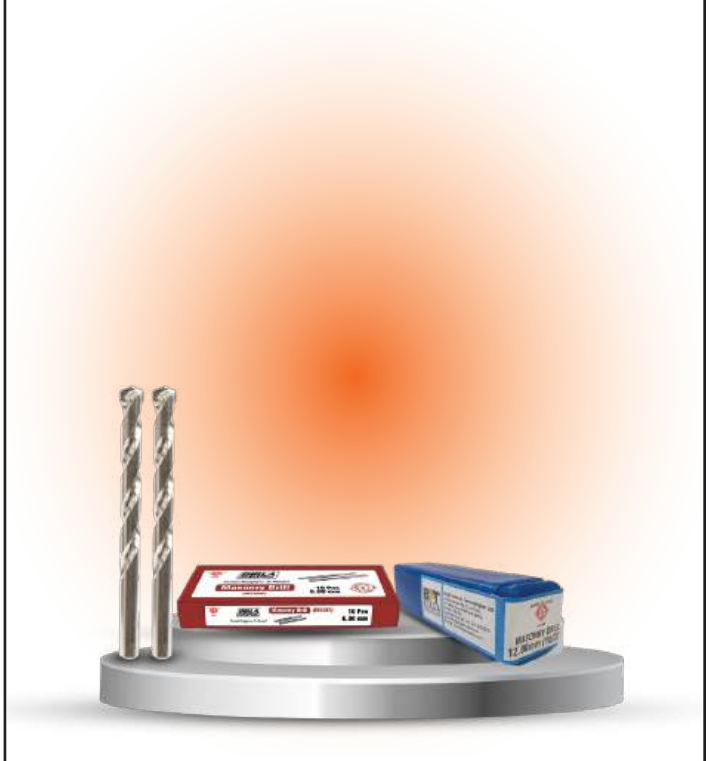
MASONRY DRILLS



ITM's : Carbide Tipped Masonry Drills are manufactured from Alloy Steel, have Ground Flutes, are in Bright Finish and combined with ITM's unique brazing and treatment process results in with standing shock and outstanding resistance to wear during its use.

RANGE :

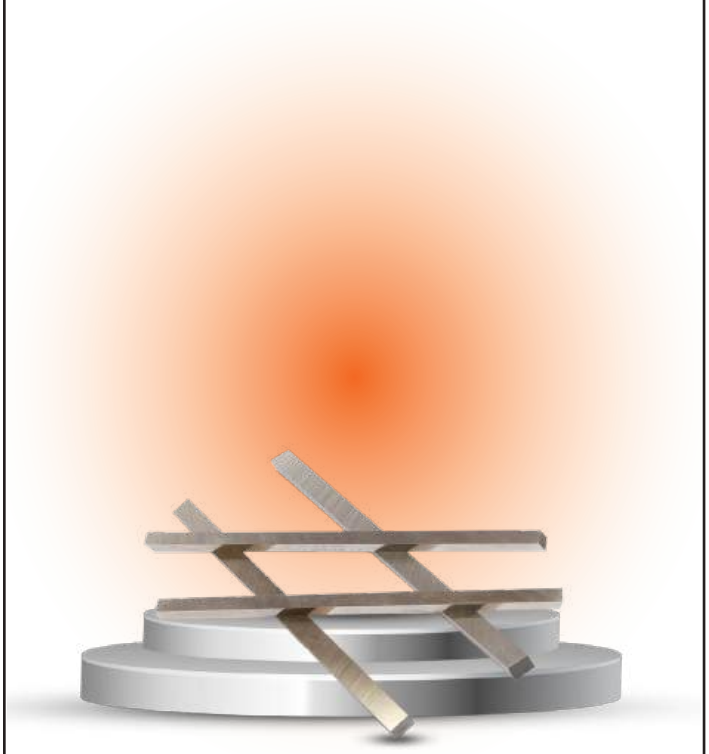
Type : ITM Masonry Drills are available in two categories Standard and Delux.

Size : **3.0mm - 13mm : 1/8" - 1/2" in all two categories**

Standard Masonry Drills : Suitable for all general purpose. Available in 10 pcs packing.

Deluxe Masonry Drills : Specially developed for use on tougher material like Stonework. Concrete and Marble etc.

HSS TOOL BITS



Backed by the high quality of High Speed Steel material ITM manufactures a comprehensive range of HSS Tool Bits, Dagger Tool bits ensure maximum red hardness for greater endurance.

Rigorous and regular metallurgical tests are undertaken to analyze the quality as well as the composition of the raw materials used. These include determination of carbide size, decarb, segregation, grain size, response to heat treatment etc., thus guaranteeing smooth, trouble free performance.

RANGE :

Size : **Square tool size 5mm - 25mm : 3/16" - 1"**

Material : HSS - M2 & T42.

Note :
- Cryogenic treatment for special applications on request.
- All square tool bite are supplied with the bevel angle of 150.

HATHYAR - TOOL BITS

ITM Hathyar Square Tool Bits are manufactured out of finest grades of HSS materials. All Tool Bits made with 150 bevel angle.
This will give advantage to make easy end grinding preparation for end user.

HATHYAR - 600 - Suitable for free cutting materials.
HATHYAR - 900 - Suitable for difficult to cut materials.
HATHYAR - 1000 - Suitable for Harder Alloy steels and stainless steels.

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CARBIDE TIPPED DRILLS

Carbide Tipped Drills are made out of highest quality of “Carbide Tips”. These CT drills are manufactured on our latest CNC Machines with special geometry to give better performance. The Carbide Tipped are brazed by special process to ensure the better fitment to ensure faster, effective, correct drilling of hole sizes with highest finish.

Application :

- These drills are used at Brake Lines, Foundry Industry, Composite materials and general Applications.

Size Range :

Metric : 4mm - 13mm
Inch : 11/64" - 1/2"

ENGINEERING FILES

Dagger Brand Files are made from the finest file steel material on State-of-the-Art Production Line. Files are manufactured on unique hydro pneumatically controlled machines resulting in uniform Teeth geometry and consistent desired finish cutting quality with.

RANGE :

Type : Machine Files, Saw Files, Rasps, Special Files & Mill Files

Size Range : 100mm to 350mm : 4" to 14"

Cuts : Single Cut, Double Cut, Bastard Cut, 2nd Cut, Smooth Cut & Rasp Cut.

Shapes : Rectangle, Square, Round, Triangle, Half Round

Files are available in 10pcs packing up to 250mm & 5pcs packing for above 250mm.

LABLE COLOURS

Bastard Cut	**: GREEN**
2nd Cut	**: YELLOW**
Smooth Cut	**: RED**

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FORGELINE DRILLS

APPLICATION :

Best Suitable For Forged Steel & Cast Iron

KEY FEATURES :

- Robust design with high-precision grinding for exceptional accuracy.
- Developed and tested to ensure optimum productivity.
- High-speed drilling with fewer tool changes
- Special geometry ensures smooth chip flow, excellent heat dissipation, enhanced wear resistance and improved toughness.
- Supplied in both Non-Cobalt and Cobalt (on demand) grades of HSS to suit diverse applications needs.
- Offered in both Jobber and Stub series.

SIZE RANGE :

Metric : 3.0 - 13.0mm
Imperial : 1/8" - 1/2"

ANNULAR CUTTERS

TUNGSTEN CARBIDE TIPPED (TCT) :

TCT Annular Cutters are new series of product from ITM's product range. These cutters are manufactured on latest CNC Machines to get highest quality of Cutters. These cutters are used with Special Carbide Tips to give accurate hole finish.

Advantages :

- No Pre Drilling & Step Drilling Required
- Burr Free Holes
- Required Less Thrust
- Less energy Peripheral Cutting
- Hole Finish Precise and Accurate

HSS ANNULAR CUTTER :

HSS Annular Cutters are new series of product from ITM's product range. These cutters are manufactured on latest CNC Machines to get highest quality of Cutters. These cutter having special geometry to produce accurate hole finish.

Advantages :

- Increased Cutting Speed
- Minimize Tool Wear
- Better Alignment of Hole Axis
- Reduced Tooth Load
- Extended Tool Life

Application : TCT & HSS Annular Cutter

These cutters are widely used at Fabrication Industries, Tower Manufacturers, Railway Wagons etc.

Size Range : TCT & HSS Annular Cutter :

Metric : Dia 12mm to 50mm
DOC 50mm (Depth of Cut - DOC)

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DRILLS

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HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101
HSN CODE - 8207

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SIZE			PRICE PER 10 PCS (RS.)						
MM	INCH	DG	ITM STD.	ITM STD. TIN	PANTHER	NINJA	FORGELINE	HATHYAR	MOQ
0.30			2163	2517	-	-	-	-	200
0.40			1876	2230	-	-	-	-	200
0.50			1362	1716	-	-	-	-	200
0.60			1362	1716	-	-	-	-	200
0.70			1362	1716	-	-	-	-	200
0.80			1140	1494	-	-	-	-	200
0.90			1087	1442	-	-	-	-	200
1.00			694	1049	-	-	-	690	200
1.02		60	694	1049	-	-	-	-	200
1.04		59	694	1049	-	-	-	-	200
1.07		58	694	1049	-	-	-	-	200
1.09		57	694	1049	-	-	-	-	200
1.10			694	1049	-	-	-	690	200
1.18		56	694	1049	-	-	-	-	200
1.19	3/64★		694	1049	-	-	-	690	200
1.20			694	1049	-	-	-	690	200
1.30			694	1049	-	-	-	690	200
1.32		55	694	1049	-	-	-	-	200
1.40		54	694	1049	-	-	-	690	200
1.50			694	1049	-	-	-	690	200
1.51		53	694	1049	-	-	-	-	200
1.59	1/16★		694	1049	-	-	-	735	200
1.60			694	1049	-	-	-	735	200
1.61		52	747	1101	-	-	-	-	200
1.70		51	747	1101	-	-	-	735	200
1.78		50★	747	1101	-	-	-	-	200
1.80			747	1101	-	-	-	735	200
1.85		49	747	1101	-	-	-	-	200
1.90			747	1101	-	-	-	735	200
1.93		48★	747	1101	-	-	-	-	200
1.98	5/64★		747	1101	-	-	-	735	200
1.99		47★	747	1101	-	-	-	-	200
2.00			747	1101	-	-	-	735	200
2.06		46	747	1101	-	-	-	-	200
2.08		45	747	1101	-	-	-	-	200
2.10			747	1101	-	-	-	735	200
2.18		44	747	1101	-	-	-	-	200
2.20			747	1101	-	-	-	735	200
2.26		43★	747	1101	-	-	-	-	200
2.30			747	1101	-	-	-	780	200
2.37		42	747	1191	-	-	-	-	200
2.38	3/32★		747	1191	-	-	-	780	200
2.40			747	1191	-	-	-	780	200
2.44		41	747	1191	-	-	-	-	200
2.49		40	747	1191	-	-	-	-	200
2.50			747	1191	-	-	-	780	200

BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE			PRICE PER 10 PCS (RS.)						
MM	INCH	DG	ITM STD.	ITM STD. TIN	PANTHER	NINJA	FORGELINE	HATHYAR	MOQ
2.53		39	747	1191	-	-	-	-	200
2.58		38	747	1191	-	-	-	-	200
2.60			747	1191	-	-	-	825	200
2.64		37	747	1191	-	-	-	-	200
2.70			747	1191	-	-	-	825	200
2.71		36	747	1191	-	-	-	-	200
2.78	7/64★		747	1191	-	-	-	825	200
2.79		35	820	1266	-	-	-	-	200
2.80			820	1266	-	-	-	825	200
2.82		34	820	1266	-	-	-	-	200
2.87		33	820	1266	-	-	-	-	200
2.90			820	1266	-	-	-	825	200
2.95		32	820	1266	-	-	-	-	200
3.00			820	1266	1044	1501	760	810	200
3.05		31★	977	1422	-	-	-	-	200
3.10			977	1422	1243	1790	905	960	200
3.17	1/8★		977	1422	1243	1790	905	960	200
3.20			1012	1456	1289	1850	936	1065	200
3.26		30★	1012	1456	-	-	-	-	200
3.30			1012	1456	1289	1850	936	1065	200
3.40			1012	1456	1289	1850	936	1065	200
3.45		29	1012	1456	-	-	-	-	200
3.50			1012	1456	1289	1850	936	1065	200
3.57	9/64★	28	1064	1531	1289	1850	985	1125	200
3.60			1502	1970	1817	2618	1391	1335	200
3.66		27	1502	1970	-	-	-	-	200
3.70			1502	1970	1817	2618	1391	1440	200
3.73		26	1502	2034	-	-	-	-	200
3.80		25	1502	2034	1817	2618	1391	1440	200
3.86		24	1502	2034	-	-	-	-	200
3.90			1502	2034	1817	2618	1391	1440	200
3.91		23	1502	2034	-	-	-	-	200
3.97	5/32★		1502	2034	1817	2618	1391	1410	200
3.99		22	1502	2034	-	-	-	-	200
4.00			1502	2034	1817	2618	1391	1410	200
4.04		21	1824	2356	-	-	-	-	200
4.09		20	1824	2356	-	-	-	-	200
4.10			1824	2356	2207	3174	1688	1710	200
4.20			1824	2356	2207	3174	1688	1710	200
4.22		19★	1824	2356	-	-	-	-	200
4.30		18	1824	2356	2207	3174	1688	1710	200
4.37	11/64★		1824	2356	2207	4169	1688	1740	200
4.39		17	1824	2356	-	-	-	-	200
4.40			1824	2356	2207	3174	1688	1740	200
4.50		16	2395	2928	2897	4169	2218	2115	200
4.57		15	2395	2928	-	-	-	-	200

DAGGER BRAND®
SINCE 1937

HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE			PRICE PER 10 PCS (RS.)						
MM	INCH	DG	ITM STD.	ITM STD. TIN	PANTHER	NINJA	FORGELINE	HATHYAR	MOQ
4.60			2395	2928	2897	4169	2218	2115	200
4.62		14	2395	2928	-	-	-	-	200
4.70		13	2395	2928	-	-	2218	2115	200
4.76	3/16★		2395	2928	2897	4169	2218	2115	200
4.80		12	2395	2928	2897	4169	2218	2190	200
4.85		11	2600	3132	-	-	-	-	200
4.90			2600	3132	-	-	2407	2280	200
4.92		10	2600	3132	-	-	-	-	200
4.98		9	2600	3132	-	-	-	-	200
5.00			2600	3132	3145	4526	2407	2295	200
5.06		8	2600	3132	-	-	-	-	100
5.10			2600	3132	3145	4526	2407	2295	100
5.11		7	2600	3132	-	-	-	-	100
5.16	13/64★		2600	3132	3145	4526	2407	2295	100
5.18		6	2600	3132	-	-	-	-	100
5.20			2600	3132	3145	4526	2407	2295	100
5.22		5	2805	3337	-	-	-	-	100
5.30			2805	3337	3391	4884	2597	2625	100
5.31		4	2805	3337	-	-	-	-	100
5.40			2805	3337	3391	4884	2597	2625	100
5.41		3	2805	3337	-	-	-	-	100
5.50			2805	3337	3391	4884	2597	2625	100
5.56	7/32★		2805	3337	3391	4884	2597	2820	100
5.60			2805	3337	3391	4884	2597	2625	100
5.61		2	3156	3688	-	-	-	-	100
5.70			3156	3688	-	-	2922	2910	100
5.79		1	3156	3688	-	-	-	-	100
5.80			3156	3688	3816	5495	2922	2910	100
5.90			3156	3688	-	-	2922	2910	100
5.94		A	3156	3688	-	-	-	-	100
5.95	15/64★		3156	3688	-	-	2922	2910	100
6.00			3156	4006	3816	5495	2922	2910	100
6.04		B	3437	4287	-	-	-	-	100
6.10			3437	4287	4155	5985	3182	3225	100
6.15		C	3437	4287	-	-	-	-	100
6.20			3437	4287	4155	5985	3182	3225	100
6.25		D	3437	4287	-	-	-	-	100
6.30			3437	4287	4155	5985	3182	3270	100
6.35	1/4★	E	3437	4287	4155	5985	3182	3270	100
6.40			3375	4226	-	-	3182	3270	100
6.50			4304	5156	5201	7493	3986	4110	100
6.53		F★	4410	5283	-	-	-	-	100
6.60			4410	5283	5201	7493	4084	4110	100
6.63		G	4410	5283	-	-	-	-	100
6.70			4410	5283	5201	7493	4084	4110	100
6.75	17/64★	H	4410	5283	5201	7493	4084	4110	100

BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE			PRICE PER 10 PCS (RS.)						
MM	INCH	DG	ITM STD.	ITM STD. TIN	PANTHER	NINJA	FORGELINE	HATHYAR	MOQ
6.80			4410	5283	5201	7493	4084	4110	100
6.90		I	4828	5700	-	-	4470	4455	100
7.00			4828	5700	5695	8201	4470	4455	100
7.03		J	4828	5700	-	-	-	-	100
7.10			4828	5700	-	-	4470	4725	100
7.14	9/32★	K	4828	5700	5695	8201	4470	4875	100
7.20			4828	5700	5695	8201	4470	4815	100
7.30			5094	5966	-	-	4716	4815	100
7.37		L	5094	5966	-	-	-	-	100
7.40			5094	5966	6011	8655	4716	4815	100
7.49		M	5094	5966	-	-	-	-	100
7.50			5094	5966	6011	8655	4716	4815	100
7.54	19/64★		5514	6821	-	-	5105	5363	100
7.60			5514	6821	6508	9369	5105	5505	100
7.67		N	5514	6821	-	-	-	-	100
7.70			5514	6821	-	-	5105	5400	100
7.80			5514	6821	6508	9369	5105	5400	100
7.90			5514	6821	-	-	5105	5400	100
7.94	5/16★		6055	7364	7141	10287	5606	5715	100
8.00			6055	7364	7141	10287	5606	6450	100
8.03		O	6055	7364	-	-	-	-	100
8.10			6055	7690	7141	10287	5606	6450	100
8.20		P	6055	7690	7141	10287	5606	6450	100
8.30			7338	8973	8656	12467	6794	6720	100
8.33	21/64★		7338	8973	8656	12467	6794	6720	100
8.40			7338	8973	-	-	6794	7035	100
8.43		Q	7338	8973	-	-	-	-	100
8.50			7338	8973	8656	12467	6794	7035	100
8.60			7338	9355	8656	12467	6794	7035	100
8.61		R	7338	9355	-	-	-	-	100
8.70			7338	9355	8656	12467	6794	7035	100
8.73	11/32★		7729	9746	-	-	7156	7575	100
8.80			7729	9746	9120	13130	7156	7410	100
8.84		S	7729	9746	-	-	-	-	100
8.90			7729	9746	-	-	7156	7410	100
9.00			7729	10073	9120	13130	7156	7410	100
9.09		T	8064	10408	-	-	-	-	100
9.10			8064	10408	-	-	7466	8325	100
9.13	23/64★		8064	10408	-	-	7466	825	100
9.20			8064	10408	-	-	7466	8325	100
9.30			8064	10408	9511	13701	7466	8325	100
9.34		U★	8064	10408	-	-	-	-	100
9.40			8064	10408	9511	13701	7466	8325	100
9.50			8064	10408	9511	13701	7466	8325	100
9.52	3/8★		9140	11484	10785	15529	8463	8790	100
9.58		V	9140	11484	-	-	-	-	100

DAGGER BRAND®
SINCE 1937

HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE			PRICE PER 10 PCS (RS.)						
MM	INCH	DG	ITM STD.	ITM STD. TIN	PANTHER	NINJA	FORGELINE	HATHYAR	MOQ
9.60			9140	11484	-	-	8463	9600	100
9.70			9140	11484	10785	15529	8463	9600	100
9.80		W	9140	11484	10785	15529	8463	9600	100
9.90			10231	12576	-	-	9474	9630	100
9.92	25/64★		10231	12576	-	-	9474	9630	100
10.00			10231	12958	12071	17384	9474	9630	100
10.08		X	10231	12958	-	-	-	-	100
10.10			10231	12958	-	-	9474	10800	100
10.20			10231	12958	12071	17384	9474	10800	100
10.26		Y	11086	13813	-	-	-	-	100
10.30			11086	13813	13085	18836	10265	10950	100
10.32	13/32★		11086	13813	13085	18836	10265	10950	100
10.40			11086	13813	13085	18836	10265	10950	100
10.49		Z	11086	13813	-	-	-	-	100
10.50			11086	13813	13085	18836	10265	11025	100
10.60			11086	13813	-	-	10265	11700	50
10.70			11739	14464	13851	19946	10869	12150	50
10.72	27/64★		11739	14464	-	-	10869	12150	50
10.80			11739	14464	-	-	10869	12150	50
10.90			11739	14464	-	-	10869	12150	50
11.00			11739	14464	13851	19946	10869	12150	50
11.10			13101	16373	-	-	12131	13650	50
11.11	7/16★		13101	16373	15460	22264	12131	13575	50
11.20			13101	16373	-	-	12131	13650	50
11.30			13101	16373	-	-	12131	13650	50
11.40			13101	16373	-	-	12131	13650	50
11.50			13820	17091	16306	23481	12796	13650	50
11.51	29/64★		13820	17091	-	-	12796	13650	50
11.60			13820	17091	-	-	12796	14625	50
11.70			13820	17091	-	-	12796	14625	50
11.80			13820	17091	16306	23481	12796	14625	50
11.90			14760	18031	-	-	13666	15300	50
11.91	15/32★		14760	18031	-	-	13666	15450	50
12.00			14760	18031	17416	25076	13666	15300	50
12.10			14760	18576	-	-	-	15600	50
12.20			14760	18576	-	-	-	15600	50
12.30	31/64★		15655	19470	-	-	14495	16350	50
12.40			15655	19470	-	-	14495	16350	50
12.50			15655	19470	18473	26600	14495	16350	50
12.60			15655	19470	-	-	14495	16350	50
12.70	1/2★		16528	20344	19501	28085	15304	17400	50
12.80			16671	20488	19672	28328	15436	17400	50
12.90			16671	20488	-	-	15436	17400	50
13.00			16671	20488	19672	28328	15436	17400	50
13.10	33/64★		19908	24199	-	-	-	-	20
13.20			19908	24199	-	-	-	-	20

BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE			PRICE PER 10 PCS (RS.)						
MM	INCH	DG	ITM STD.	ITM STD. TIN	PANTHER	NINJA	FORGELINE	HATHYAR	MOQ
13.30			19908	24199	-	-	-	-	20
13.40			19908	24199	-	-	-	-	20
13.49	17/32★		21193	25484	-	-	-	-	20
13.50			21193	25484	-	-	-	-	20
13.60			21193	25484	-	-	-	-	20
13.70			21193	25484	-	-	-	-	20
13.80			21193	25484	-	-	-	-	20
13.89	35/64		22993	27284	-	-	-	-	20
13.90			22993	27284	-	-	-	-	20
14.00			22993	27284	-	-	-	-	20
14.25			22993	27703	-	-	-	-	20
14.29	9/16★		24125	28835	-	-	-	-	20
14.50			24125	28835	-	-	-	-	20
14.68	37/64		25996	30706	-	-	-	-	20
14.75			25996	30706	-	-	-	-	20
15.00			25996	30706	-	-	-	-	20
15.08	19/32		25996	31229	-	-	-	-	20
15.25			25996	31229	-	-	-	-	20
15.48	39/64		28166	33400	-	-	-	-	20
15.50			28166	33400	-	-	-	-	20
15.75			28166	33400	-	-	-	-	20
15.87	5/8★		28166	33400	-	-	-	-	20
16.00			28166	33400	-	-	-	-	20
17.00			29794	36074	-	-	-	-	20
17.46	11/16		29794	36074	-	-	-	-	20
18.00			32239	38520	-	-	-	-	20
19.00			34098	40902	-	-	-	-	20
19.05	3/4		34098	40902	-	-	-	-	20
20.00			40732	47536	-	-	-	-	20
21.00			40732	47536	-	-	-	-	20
22.00			45674	52478	-	-	-	-	20
22.22	7/8		45674	52478	-	-	-	-	20

ITEMS MARKED ★ **(ONLY IN RH)** ARE EX-STOCK ITMS. ALL REMAINNING ITEMS (RH & LH) WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT MOQ OR 50 NOS. PER SIZE WHICHEVER IS HIGHER.

IMPORTANT NOTES :

1. All sizes to be ordered in multiples of 10 only.
2. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.
3. (a) Quick Spiral or Slow Spiral Drills :
   Sizes up to (3.17mm) 1/8" **50 % extra**
   Sizes over (3.17mm) 1/8" **25 % extra**
   (b) Jobbers with Tenon **10 % extra**

HSS PARALLEL SHANK (JOBBER SERIES)
TWIST DRILLS - IS : 5101

Price Rs. / Set

Jobber Drill **25 Pcs. Set** (0.5mm Rise) 1.00 To 13.00mm	**16488**
Jobber Drill **13 Pcs. Set** (1/64" Rise) 1/16" To 1/4"	**3030**
Hathyar Drill **25 Pcs. Set** (0.5mm Rise) 1.00 To 13.00mm	**13685**
Hathyar Drill **13 Pcs. Set** (1/64" Rise) 1/16" To 1/4"	**2727**

DAGGER BRAND®
SINCE 1937

HSS PARALLEL SHANK (STUB SERIES)
TWIST DRILLS - IS : 5100
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE 10 PCS (RS.)		
MM	INCH	ITM STD.	HATHYAR	MOQ
1.00		727	660	200
1.19	3/64	727	660	200
1.20		727	660	200
1.50		727	660	200
1.59	1/16	727	705	200
1.80		727	705	200
1.98	5/64	727	705	200
2.00		727	705	200
2.20		727	705	200
2.38	3/32	727	728	200
2.50		727	728	200
2.78	7/64	727	750	200
2.80		786	750	200
3.00		820	750	200
3.17	1/8	952	923	200
3.20		999	959	200
3.50		999	959	200
3.57	9/64	1050	959	200
3.80		1454	1296	200
3.97	5/32	1454	1296	200
4.00		1454	1296	200
4.20		1615	1566	200
4.37	11/64	1615	1566	200
4.50		2141	1904	200
4.76	3/16	2141	1904	200
4.80		2141	1904	200
5.00		2277	2066	200
5.16	13/64	2277	2066	100
5.20		2277	2066	100
5.50		2473	2363	100
5.56	7/32	2473	2363	100
5.80		2785	2619	100
5.95	15/64	2785	2619	100
6.00		2785	2619	100
6.20		3116	2943	100
6.35	1/4	3116	2943	100
6.50		3766	3699	100
6.75	17/64	3859	3699	100
6.80		3859	3699	100
7.00		4230	4334	100
7.14	9/32	4230	4334	100
7.20		4230	4334	100
7.50		4394	4334	100
7.54	19/64	4828	4860	100
7.80		4828	4860	100
7.94	5/16	5311	5144	100

SIZE		PRICE 10 PCS (RS.)		
MM	INCH	ITM STD.	HATHYAR	MOQ
8.00		5311	5144	100
8.20		5311	5144	100
8.33	21/64	6635	6332	100
8.50		6635	6332	100
8.73	11/32	6920	6669	100
8.80		6920	6669	100
9.00		6920	6669	100
9.13	23/64	7309	7493	100
9.20		7309	7493	100
9.50		7309	7493	100
9.52	3/8	7641	8640	100
9.80		7641	8640	100
9.92	25/64	9349	8667	100
10.00		9349	8667	100
10.20		9349	9855	50
10.32	13/32	10064	9855	50
10.50		10064	9855	50
10.72	27/64	11330	11273	50
10.80		11330	11273	50
11.00		11330	11273	50
11.11	7/16	11801	12285	50
11.20		11801	12285	50
11.50		12626	12285	50
11.51	29/64	12626	12285	50
11.80		12626	13770	50
11.91	15/32	13359	13770	50
12.00		13359	13770	50
12.20		13359	14715	50
12.30	31/64	14518	14715	50
12.50		14518	14715	50
12.70	1/2	14831	15930	50
12.80		14959	15930	50
13.00		14959	15930	50
13.20		16817	-	50
13.49	17/32	16817	-	50
13.50		17921	-	50
13.80		17921	-	50
14.00		19511	-	50
14.25		19511	-	50
14.29	9/16	19511	-	50
14.50		20321	-	50
14.75		21972	-	50
15.00		21972	-	50
15.08	19/32	21972	-	50
15.25		21972	-	50
15.50		23785	-	50

BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK (STUB SERIES)
TWIST DRILLS - IS : 5100
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		PRICE 10 PCS (RS.)		
MM	INCH	ITM STD.	HATHYAR	MOQ
15.75		23785	-	50
15.87	5/8	23785	-	50
16.00		23785	-	50
16.25		24166	-	50
16.50		24166	-	50
16.67	21/32	24166	-	50
16.75		24653	-	50
17.00		24653	-	50
17.25		25100	-	50
17.46	11/16	25100	-	50
17.50		25100	-	50
17.75		25444	-	50
18.00		25444	-	50
18.25		25895	-	50
18.26	23/32	25895	-	50
18.50		25895	-	50
18.75		26356	-	50
19.00		26356	-	50
19.05	3/4	26356	-	50
19.25		26802	-	50
19.50		26802	-	50
19.75		26802	-	50
19.84	25/32	26802	-	50
20.00		27262	-	50
20.25		27829	-	10
20.50		27829	-	10
20.64	13/16	27829	-	10
20.75		28943	-	10
21.00		28943	-	10
21.25		29294	-	10
21.43	27/32	29294	-	10
21.50		30281	-	10
21.75		30668	-	10
22.00		30668	-	10
22.22	7/8	30668	-	10
22.25		32622	-	10
22.50		32622	-	10
22.75		33076	-	10
23.00		33076	-	10
23.02	29/32	33076	-	10
23.25		34976	-	10
23.50		34976	-	10
23.75		34976	-	10
23.81	15/16	34976	-	10
24.00		38705	-	10
24.25		38705	-	10

SIZE		PRICE 10 PCS (RS.)		
MM	INCH	ITM STD.	HATHYAR	MOQ
24.50		38705	-	10
24.61	31/32	38705	-	10
24.75		42457	-	10
25.00		42457	-	10
25.25		42665	-	10
25.40	1	42665	-	10
25.50		48151	-	10
26.00		48151	-	10
26.19	1.1/32	49264	-	10
26.50		49264	-	10
26.99	1.1/16	49835	-	10
27.00		52516	-	10
27.50		52516	-	10
27.78	1.3/32	55577	-	10
28.00		55577	-	10
28.50		55999	-	10
28.57	1.1/8	55999	-	10
29.00		58763	-	10
29.37	1.5/32	64688	-	10
29.50		64688	-	10
30.00		65552	-	10
30.16	1.3/16	65552	-	10
30.50		73770	-	10
30.96	1.7/32	73770	-	10
31.00		73770	-	10
31.50		74876	-	10
31.75	1.1/4	74876	-	10
32.00		76489	-	10
32.50		78884	-	10
32.54	1.9/32	78884	-	10
33.00		78884	-	10
33.34	1.5/16	78884	-	10
33.50		82979	-	10
34.00		82979	-	10
34.13	1.11/32	91067	-	10
34.50		91067	-	10
34.92	1.3/8	91067	-	10
35.00		100134	-	10
35.50		101562	-	10
35.72	1.13/32	101562	-	10
36.00		101562	-	10
36.50		101562	-	10
36.51	1.7/16	101562	-	10
37.00		109177	-	10
37.31	1.15/32	110810	-	10
37.50		110810	-	10

DAGGER BRAND®
SINCE 1937

HSS PARALLEL SHANK (STUB SERIES)
TWIST DRILLS - IS : 5100
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE 10 PCS (RS.)		
MM	INCH	ITM STD.	HATHYAR	MOQ
38.00		110810	-	10
38.10	1.1/2	110810	-	10
38.50		123733	-	10

SIZE		PRICE 10 PCS (RS.)		
MM	INCH	ITM STD.	HATHYAR	MOQ
39.00		123733	-	10
39.50		125863	-	10
40.00		125863	-	10

ITEMS MARKED ★ **(ONLY IN RH)** ARE EX-STOCK ITMS. ALL REMAINNING ITEMS (RH & LH) WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT MOQ OR 50 NOS. PER SIZE WHICHEVER IS HIGHER.

IMPORTANT NOTES :

1. Sizes up to 13 mm should be ordered in multiples of 10 only.
2. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.
3. (a) Quick Spiral or Slow Spiral Drills :
Sizes up to (3.17mm) 1/8" **50 % extra**
Sizes over (3.17mm) 1/8" **25 % extra**
(b) Left Hand Drills to IS : 5362 can be supplied from
Sizes (3.00mm) 1/8" and above only **25 % extra**

BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK (LONG SERIES)
TWIST DRILLS - IS : 5102
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		PRICE (RS.) EACH	
MM	INCH	HSS M2	HSS M35
0.60		775	-
0.70		723	-
0.80		648	-
1.00		411	-
1.10		411	-
1.19	3/64	411	-
1.20		411	-
1.30		411	-
1.40		411	-
1.50		411	-
1.59	1/16	411	-
1.60		411	-
1.70		411	-
1.80		411	-
1.90		411	-
1.98	5/64	411	-
2.00★		411	575
2.10		411	575
2.20		411	575
2.30		525	735
2.38	3/32★	525	735
2.40		525	735
2.50★		525	735
2.60		525	735
2.70		525	735
2.78	7/64	525	735
2.80★		525	735
2.90		525	735
3.00★		530	742
3.10		530	742
3.17	1/8★	530	742
3.20		530	742
3.30★		530	742
3.40		530	742
3.50★		530	742
3.57	9/64	530	742
3.60		571	800
3.70		571	800
3.80		571	800
3.90		571	800
3.97	5/32★	571	800
4.00★		571	800
4.10		571	800
4.20		571	800
4.30		571	800
4.37	11/64	571	800

SIZE		PRICE (RS.) EACH	
MM	INCH	HSS M2	HSS M35
4.40		571	800
4.50		571	800
4.60		571	800
4.70		571	800
4.76	3/16	571	800
4.80		571	800
4.90		671	940
5.00★		671	940
5.10		671	940
5.16	13/64	671	940
5.20		671	940
5.30		772	1080
5.40		772	1080
5.50		772	1080
5.56	7/32	772	1080
5.60		838	1173
5.70		838	1173
5.80		838	1173
5.90		838	1173
5.95	15/64	838	1173
6.00 u		838	1173
6.10		956	1338
6.20		956	1338
6.30		956	1338
6.35	1/4★	874	1224
6.40		1218	1705
6.50		1218	1705
6.60		1469	2057
6.70		1469	2057
6.75	17/64	1469	2057
6.80		1469	2057
6.90		1469	2057
7.00		1469	2057
7.10		1469	2057
7.14	9/32	1469	2057
7.20		1469	2057
7.30		1469	2057
7.40		1469	2057
7.50		1469	2057
7.54	19/64	1469	2057
7.60		1469	2057
7.70		1469	2057
7.80		1469	2057
7.90		1514	2120
7.94	5/16	1514	2120
8.00★		1514	2120

DAGGER BRAND®
SINCE 1937

HSS PARALLEL SHANK (LONG SERIES)
TWIST DRILLS - IS : 5102
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE (RS.) EACH	
MM	INCH	HSS M2	HSS M35
8.10		1514	2120
8.20		1514	2120
8.30		1514	2120
8.33	21/64	1514	2120
8.40		1514	2120
8.50		1526	2136
8.60		1604	2245
8.70		1604	2245
8.73	11/32	1604	2245
8.80		1941	2718
9.00		1686	2361
9.13	23/64	1908	2671
9.20		1941	2718
9.50		1686	2361
9.52	3/8	1686	2361
9.80		1951	2731
9.92	25/64	1951	2731
10.00★		1764	2470
10.20		1951	2731
10.32	13/32	1764	2470
10.50		2118	2965
10.72	27/64	2407	3370
10.80		2407	3370
11.00		2216	3102
11.11	7/16	2216	3102
11.20		2575	3605
11.50		2279	3191
11.51	29/64	2575	3605
11.80		2575	3605
11.91	15/32	2279	3191
12.00		2351	3291
12.20		2620	3668
12.30	31/64	2620	3668
12.50		2348	3287
12.70	1/2	2348	3287
12.80		3595	5033
13.00		3259	4563
13.10	33/64	3623	5072
13.20		3623	5072
13.49	17/32	3324	4654
13.50		3623	5072
13.80		3944	5522
13.89	35/64	3944	5522
14.00		3623	5072
14.25		3623	5072
14.29	9/16	3623	5072

SIZE		PRICE (RS.) EACH	
MM	INCH	HSS M2	HSS M35
14.50		3796	5314
14.68	37/64	4181	5853
14.75		3796	5314
15.00		3796	5314
15.08	19/32	3796	5314
15.25		3944	5522
15.48	39/64	4308	6031
15.50		3944	5522
15.75		3944	5522
15.87	5/8	3944	5522
16.00		4005	5607
16.25		4005	5607
16.27	41/64	4458	6241
16.50		4082	5715
16.67	21/32	4082	5715
16.75		4181	5853
17.00		4181	5853
17.07	43/64	4542	6359
17.25		4181	5853
17.46	11/16	4181	5853
17.50		4458	6241
17.75		4458	6241
17.86	45/64	4928	6899
18.00		4542	6359
18.25		4542	6359
18.26	23/32	4542	6359
18.50		4731	6623
18.65	47/64	4770	6678
18.75		4817	6744
19.00		4817	6744
19.05	3/4	4817	6744
19.25		5091	7127
19.45	49/64	5564	7790
19.50		5091	7127
19.75		5091	7127
19.84	25/32	5091	7127
20.00		5403	7564
20.24	51/64	5737	8032
20.25		5403	7564
20.30		5403	7564
20.64	13/16	5403	7564
20.75		5564	7790
21.00		5564	7790
21.03	53/64	6089	8525
21.25		5737	8032
21.43	27/32	5737	8032

BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK (LONG SERIES)
TWIST DRILLS - IS : 5102
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		PRICE (RS.) EACH	
MM	INCH	HSS M2	HSS M35
21.50		6089	8525
21.75		6089	8525
21.83	55/64	6512	9117
22.00		6089	8525
22.15		6590	9226
22.22	7/8	6089	8525
22.25		6590	9226
22.62	57/64	7040	9856
22.75		6740	9436
23.00		6740	9436
23.02	29/32	6740	9436
23.25		6829	9561
23.42	59/64	8051	11271
23.50		7476	10466
23.75		7476	10466
23.81	15/16	7476	10466
24.00		7793	10910
24.21	61/64	8505	11907
24.25		7793	10910
24.50		7793	10910
24.61	31/32	7793	10910
24.75		8354	11696
25.00	63/64	8354	11696
25.25		8461	11845
25.40	1	8461	11845
25.50		10421	14589
25.75		10421	14589
25.80	1.1/64	10642	14899
26.00		10642	14899
26.19	1.1/32	10642	14899
26.25		11476	16066
26.50		11476	16066
26.59	1.3/64	11732	16425
26.75		11732	16425
26.99	1.1/16	11732	16425
27.00		11958	16741
27.25		11958	16741
27.38	1.5/64	12094	16932
27.50		12094	16932
27.75		12094	16932
27.78	1.3/32	12094	16932
28.00		13209	18493
28.18	1.7/64	13385	18739
28.25		13385	18739
28.50		13385	18739
28.57	1.1/8	13385	18739

SIZE		PRICE (RS.) EACH	
MM	INCH	HSS M2	HSS M35
28.75		13498	18897
28.97	1.9/64	13777	19288
29.00		13777	19288
29.25		13777	19288
29.37	1.5/32	13777	19288
29.50		13957	19540
29.75		13957	19540
29.77	1.11/64	14226	19916
30.00		14226	19916
30.16	1.3/16	14226	19916
30.25		15121	21169
30.50		15121	21169
30.56	1.13/64	15403	21564
30.75		15403	21564
30.96	1.7/32	15403	21564
31.00		17131	23983
31.25		17131	23983
31.35	1.15/64	17751	24851
31.50		17751	24851

ITEMS MARKED ★ **(ONLY IN RH)** ARE EX-STOCK ITMS. ALL REMAINNING ITEMS (RH) ONLY WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT MOQ OR 50 NOS. PER SIZE WHICHEVER IS HIGHER.

IMPORTANT NOTES :

1. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.
2. (a) Quick Spiral or Slow Spiral Drills :
   Sizes up to (3.17 mm) 1/8" **50 % extra**
   Sizes over (3.17 mm) 1/8" **25 % extra**
   (b) Left Hand Drills to IS : 5362
   SIZE
   3.00mm to 7.00mm
   7.1mm to 12.7mm
   12.8mm to 20mm
   Above 20mm
   (c) long series Drills with Tenon
   Sizes 3.00mm to 6.50mm **10 % extra**
   Sizes over 6.50mm **5 % extra**

Sizes below 1mm are manufactured to our Standrad

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILLS - IS : 5103
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
3.00		655	-	-
3.17	1/8	655	-	-
3.20		684	-	-
3.50		655	-	-
3.57	9/64	684	-	-
3.80		684	-	-
3.97	5/32	655	-	-
4.00		655	-	-
4.20		885	-	-
4.37	11/64	885	-	-
4.50		885	-	-
4.76	3/16	885	-	-
4.80		885	-	-
5.00		885	-	-
5.16	13/64	910	-	-
5.20		910	-	-
5.50		885	-	-
5.56	7/32	885	-	-
5.80		910	-	-
5.95	15/64	910	-	-
6.00		885	-	-
6.20		1020	-	-
6.35	1/4	1012	-	-
6.50		1099	-	-
6.75	17/64	1115	-	-
6.80		1115	-	-
7.00		1099	-	-
7.14	9/32	1099	-	-
7.20		1115	-	-
7.50		1099	-	-
7.54	19/64	1115	-	-
7.80		1115	-	-
7.94	5/16	1101	-	-
8.00		1101	-	-
8.20		1343	-	-
8.33	21/64	1415	-	-
8.50		1226	-	-
8.73	11/32	1343	-	-
8.80		1476	-	-
9.00		1343	-	-
9.13	23/64	1476	-	-
9.20		1476	-	-
9.50		1343	-	-
9.52	3/8	1343	1682	2419
9.80		1586	1981	2853

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
9.92	25/64	1586	1981	2853
10.00		1435	1794	2584
10.20		1567	1958	2818
10.32	13/32	1514	1894	2725
10.50		1857	2319	3342
10.72	27/64	1925	2406	3463
10.80		1925	2406	3463
11.00		1925	2407	3463
11.11	7/16	1925	2406	3463
11.20		1987	2484	3577
11.50		1987	2484	3577
11.51	29/64	1987	2484	3577
11.80		1987	2484	3577
11.91	15/32	1987	2484	3577
12.00		2007	2509	3613
12.20		2007	2509	3613
12.30	31/64	2007	2509	3613
12.50		2007	2509	3613
12.70	1/2	2007	2509	3613
12.80		2794	3494	5030
13.00		2794	3494	5030
13.10	33/64	2915	3643	5246
13.20		2915	3643	5246
13.49	17/32	2915	3643	5246
13.50		3121	3901	5618
13.80		3121	3901	5618
13.89	35/64	3121	3901	5618
14.00		3121	3901	5618
14.25		3356	4195	6040
14.29	9/16	3356	4195	6040
14.50		3485	4355	6272
14.68	37/64	3485	4355	6272
14.75		3485	4355	6272
15.00		3485	4355	6272
15.08	19/32	3485	4355	6272
15.25		3535	4419	6364
15.48	39/64	3535	4419	6364
15.50		3535	4419	6364
15.75		3535	4419	6364
15.87	5/8	3535	4419	6363
16.00		3638	4548	6551
16.25		3638	4551	6551
16.27	41/64	3638	4551	6551
16.50		3867	4831	6961
16.67	21/32	3867	4831	6961

BIRLA PRECISION
Forward, Together.

HSS TAPER SHANK TWIST DRILLS - IS : 5103
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
16.75		3867	4831	6961
17.00		3867	4831	6961
17.07	43/64	3931	4912	7074
17.25		3931	4912	7074
17.46	11/16	3931	4912	7074
17.50		4079	5099	7343
17.75		4138	5172	7448
17.86	45/64	4298	5371	7735
18.00		4298	5371	7735
18.25		4298	5371	7735
18.26	23/32	4298	5371	7735
18.50		4298	5371	7735
18.65	47/64	4349	5437	7829
18.75		4349	5437	7829
19.00		4349	5437	7829
19.05	3/4	4349	5437	7829
19.25		4568	5709	8221
19.45	49/64	4568	5709	8221
19.50		4568	5709	8221
19.75		4568	5709	8221
19.84	25/32	4568	5709	8221
20.00		4914	6143	8845
20.24	51/64	4974	6217	8953
20.25		4974	6217	8953
20.50		4974	6217	8953
20.64	13/16	4974	6217	8953
20.75		5186	6482	9334
21.00		5186	6482	9334
21.03	53/64	5311	6640	9562
21.25		5311	6640	9562
21.43	27/32	5311	6640	9562
21.50		5479	6849	9861
21.75		5479	6849	9861
21.83	55/64	5580	6976	10045
22.00		5580	6976	10045
22.22	7/8	5580	6976	10045
22.25		6082	7602	10947
22.50		6082	7602	10947
22.62	57/64	6200	7750	11160
22.75		6200	7750	11160
23.00		6200	7750	11160
23.02	29/32	6503	8129	11706
23.25		7199	8999	12959
23.42	59/64	7380	9225	13284
23.50		7380	9225	13284

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
23.75		7380	9225	13284
23.81	15/16	7380	9225	13284
24.00		7598	9498	13676
24.21	61/64	7727	9658	13907
24.25		7727	9658	13907
24.50		7727	9656	13907
24.61	31/32	7727	9658	13907
24.75		8074	10091	14532
25.00	63/64	8074	10091	14532
25.25		8181	10226	14725
25.40	1	8181	10226	14725
25.50		8891	-	-
25.75		8891	-	-
25.80	1.1/64	8988	-	-
26.00		8660	-	-
26.19	1.1/32	8646	-	-
26.25		9340	-	-
26.50		9340	-	-
26.59	1.3/64	9554	-	-
26.75		9554	-	-
26.99	1.1/16	9554	-	-
27.00		9870	-	-
27.25		9870	-	-
27.38	1.5/64	9898	-	-
27.50		9898	-	-
27.75		9898	-	-
27.78	1.3/32	9898	-	-
28.00		10823	-	-
28.18	1.7/64	10854	-	-
28.25		10854	-	-
28.50		10854	-	-
28.57	1.1/8	10854	-	-
28.75		11183	-	-
28.97	1.9/64	11365	-	-
29.00		11365	-	-
29.25		11365	-	-
29.37	1.5/32	11365	-	-
29.50		11409	-	-
29.75		11409	-	-
29.77	1.11/64	11649	-	-
30.00		11649	-	-
30.16	1.3/16	12299	-	-
30.25		13247	-	-
30.50		13247	-	-
30.56	1.13/64	13460	-	-

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILLS - IS : 5103
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
30.75		13460	-	-
30.96	1.7/32	13460	-	-
31.00		14978	-	-
31.25		14978	-	-
31.35	1.15/64	15631	-	-
31.50		15631	-	-
31.75	1.1/4	15631	-	-
32.00		17115	-	-
32.15	1.17/64	17115	-	-
32.50		17115	-	-
32.54	1.9/32	17115	-	-
32.94	1.19/64	17524	-	-
33.00		17524	-	-
33.34	1.5/16	17524	-	-
33.50		18126	-	-
33.73	1.21/64	18466	-	-
34.00		18466	-	-
34.13	1.11/32	19248	-	-
34.50		20224	-	-
34.58	1.23/64	20409	-	-
34.92	1.3/8	20409	-	-
35.00		20409	-	-
35.32	1.25/64	21632	-	-
35.50		21632	-	-
35.72	1.13/32	21632	-	-
36.00		21950	-	-
36.12	1.27/64	22402	-	-
36.50		22402	-	-
36.51	1.7/16	22402	-	-
36.91	1.29/64	22402	-	-
37.00		22957	-	-
37.31	1.15/32	22957	-	-
37.50		24447	-	-
37.70	1.31/64	24828	-	-
38.00		24828	-	-
38.10	1.1/2	24828	-	-
38.15	1.33/64	25602	-	-
38.89	1.17/32	25602	-	-
39.00		27116	-	-
39.29	1.35/64	27116	-	-
39.50		27116	-	-
39.69	1.9/16	27116	-	-
40.00		27814	-	-
40.08	1.37/64	28272	-	-
40.48	1.19/32	28272	-	-

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
40.50		29402	-	-
40.88	1.39/64	29402	-	-
41.00		29402	-	-
41.27	1.5/8	29402	-	-
41.50		30554	-	-
41.67	1.41/64	30554	-	-
42.00		30554	-	-
42.07	1.21/32	30554	-	-
42.47	1.43/64	31337	-	-
42.50		31337	-	-
42.86	1.11/16	31722	-	-
43.00		32467	-	-
43.26	1.45/64	32467	-	-
43.50		32467	-	-
43.66	1.23/32	32467	-	-
44.00		33611	-	-
44.05	1.47/64	33611	-	-
44.45	1.3/4	33611	-	-
44.50		33611	-	-
44.85	1.49/64	34399	-	-
45.00		34399	-	-
45.24	1.23/32	34399	-	-
45.50		35957	-	-
45.64	1.51/64	35957	-	-
46.00		35957	-	-
46.04	1.13/16	35957	-	-
46.43	1.53/64	37771	-	-
46.50		37771	-	-
46.83	1.27/32	37771	-	-
47.00		37771	-	-
47.23	1.53/64	38562	-	-
47.50		38562	-	-
47.62	1.7/8	38562	-	-
48.00		42049	-	-
48.02	1.57/64	42049	-	-
48.42	1.29/32	42049	-	-
48.50		42356	-	-
48.82	1.59/64	42356	-	-
49.00		42356	-	-
49.21	1.15/16	42356	-	-
49.50		42813	-	-
49.61	1.61/64	42813	-	-
50.00		42813	-	-
50.01	1.31/32	43150	-	-
50.40	1.63/64	45089	-	-

BIRLA PRECISION
Forward, Together.

HSS TAPER SHANK TWIST DRILLS - IS : 5103
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
50.50		45089	-	-
50.80	2	45089	-	-
51.00		61218	-	-
51.50		61218	-	-
51.59	2.1/32	61218	-	-
52.00		61218	-	-
52.39	2.1/16	61218	-	-
52.50		79675	-	-
53.00		79675	-	-
53.18	2.3/32	79675	-	-
53.50		79675	-	-
53.97	2.1/8	79675	-	-
54.00		79675	-	-
54.50		83697	-	-
54.77	2.5/32	83697	-	-
55.00		83579	-	-
55.50		83697	-	-
55.56	2.3/16	83697	-	-
56.00		87215	-	-
56.36	2.7/32	87215	-	-
56.50		87215	-	-
57.00		87215	-	-
57.15	2.1/4	87215	-	-
57.50		95180	-	-
57.94	2.9/32	95180	-	-
58.00		95180	-	-
58.50		95180	-	-
58.74	2.5/16	95180	-	-
59.00		96998	-	-
59.50		96998	-	-
59.53	2.11/32	96998	-	-
60.00		96998	-	-
60.32	2.3/8	96998	-	-
60.50		103101	-	-
61.00		103101	-	-
61.12	2.13/32	103101	-	-
61.15		103101	-	-
61.91	2.7/16	103101	-	-
62.00		103101	-	-
62.50		103101	-	-
62.71	2.15/32	104837	-	-
63.00		104837	-	-
63.50	2.1/2	104837	-	-
64.00		115871	-	-
64.29	2.17/32	115871	-	-

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
65.00		115871	-	-
65.09	2.9/16	116733	-	-
65.88	2.19/32	116733	-	-
66.00		116733	-	-
66.67	2.5/8	116733	-	-
67.00		119582	-	-
67.47	2.21/32	128363	-	-
68.00		128363	-	-
68.26	2.11/16	128363	-	-
69.00		139136	-	-
69.06	2.23/32	139136	-	-
69.85	2.3/4	139136	-	-
70.00		139136	-	-
70.64	2.25/32	150062	-	-
71.00		150062	-	-
71.44	2.13/16	150062	-	-
71.50		150062	-	-
72.00		152959	-	-
72.23	2.27/32	152959	-	-
73.00		152959	-	-
73.02	2.7/8	152959	-	-
73.82	2.29/32	162790	-	-
74.00		162790	-	-
74.61	2.15/16	162790	-	-
75.00		164814	-	-
75.41	2.31/32	164814	-	-
76.00		164814	-	-
76.20	3	164814	-	-
76.99	3.1/32	225474	-	-
77.00		225474	-	-
77.79	3.1/16	225474	-	-
78.00		225474	-	-
78.58	3.3/32	229969	-	-
79.00		229969	-	-
79.37	3.1/8	236073	-	-
80.00		236073	-	-
80.17	3.5/32	252502	-	-
80.96	3.3/16	252502	-	-
81.00		252502	-	-
81.76	3.7/32	259064	-	-
82.00		259064	-	-
82.55	3.1/4	259064	-	-
83.00		264417	-	-
83.34	3.9/32	264417	-	-
84.00		264417	-	-

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILLS - IS : 5103
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
84.14	3.5/16	268813	-	-
84.99	3.11/32	268813	-	-
85.00		257856	-	-
85.72	3.3/8	306623	-	-
86.00		306623	-	-
86.52	3.13/32	306623	-	-
87.00		306623	-	-
87.31	3.7/16	313030	-	-
88.00		313030	-	-
88.11	3.15/32	313030	-	-
88.90	3.1/2	313030	-	-
89.00		313030	-	-
90.00		319415	-	-
90.49	3.9/16	331329	-	-
91.00		331329	-	-
92.00		331329	-	-
92.07	3.5/8	342148	-	-

SIZE		PRICE PER EACH (RS.)		
MM	INCH	HSS M2	PANTHER HSS M35	NINJA HSS M42
93.00		342148	-	-
93.66	3.11/16	355090	-	-
94.00		355090	-	-
95.00		355090	-	-
95.25	3.3/4	355090	-	-
96.00		366976	-	-
96.84	3.13/16	366976	-	-
97.00		366976	-	-
98.00		373466	-	-
98.42	3.7/8	378797	-	-
99.00		378797	-	-
100.00		378797	-	-
100.01	3.15/16	385288	-	-
101.00		385288	-	-
101.60	4	385288	-	-
102.00		385288	-	-

ITEMS MARKED ★ : **(ONLY IN RH)** ARE EX-STOCK ITMS. ALL REMAINNING ITEMS (RH) WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT MOQ OR 50 NOS. PER SIZE WHICHEVER IS HIGHER.

IMPORTANT NOTES :

1. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.
2. Quick Spiral or Slow Spiral Drills :
3. Oversize shank Drills to IS : 5104 in the following range **10% extra.**

SIZE RANGE		INSTEAD OF MT NO.
MM	INCH	
11.8 to 14.0	15/32 to 35/64	1
18.0 to 23.0	23/32 to 29/32	2
26.5 to 31.75	1.3/64 to 1.1/4	3
40.0 to 80.80	1.37/64 to 2	4
63.0 to 76.20	2.1/2 to 3	5

MORSE TAPER SHANK TWIST DRILLS (IS : 5103)
HSN CODE - 8207

MORESE TAPER SHANK NO.	DRILL SIZES			
	MM		INCHE	
	OVER	UPTO & INCL	OVER	UPTO & INCL
1	3.00	14.00	1/8	35/64
2	14.00	23.00	35/64	29/32
3	23.00	31.75	29/32	1.1/4
4	31.75	50.80	1.1/4	2
5	50.80	76.20	2	3
6	76.20	100.00	3	4

BIRLA PRECISION
Forward, Together.

HSS TAPER SHANK 03 OR 04
FLUTED CORE DRILLS IS - 5366
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		PRICE (RS.) EACH
MM	INCH	
7.94	5/16	2162
8.00		2165
9.52	3/8	2382
10.00		2382
10.32	13/32	2382
11.00		2385
11.11	7/16	2385
11.91	15/32	2550
12.00		2550
12.70	1/2	2695
13.00		3644
13.49	17/32	3987
14.00		3987
14.29	9/16	4101
15.00		4281
15.08	19/32	4281
15.87	5/8	4378
16.00		4378
16.67	21/32	4614
17.00		4614
17.46	11/16	4982
18.00		5362
18.26	23/32	5362
19.00		6122
19.05	3/4	6122
19.84	25/32	6151
20.00		6151
20.64	13/16	6579
21.00		6531
21.43	27/32	6956
22.00		6956
22.22	7/8	7380
23.00		7813
23.02	29/32	7813
23.81	15/16	8528
24.00		8950
24.61	31/32	8950
25.00		10356
25.40	1	10356
26.00		11179
26.19	1.1/32	11179
26.99	1.1/16	12337
27.00		12337
27.78	1.3/32	12807
28.00		13571
28.57	1.1/8	13572

SIZE		PRICE (RS.) EACH
MM	INCH	
29.00		14205
29.37	1.5/32	14205
30.00		15086
30.16	1.3/16	15086
30.96	1.7/32	15661
31.00		17607
31.75	1.1/4	18384
32.00		20146
32.54	1.9/32	20146
33.00		20569
33.34	1.5/16	20569
34.00		22557
34.13	1.11/32	22557
34.92	1.3/8	23824
35.00		23824
35.72	1.13/32	25623
36.00		25623
36.51	1.7/16	27031
37.00		27031
37.31	1.15/32	27800
38.00		29742
38.10	1.1/2	29742
39.00		32615
39.69	1.9/16	32615
40.00		32615
41.00		35945
41.27	1.5/8	35945
42.00		37011
42.07	1.21/32	37011
42.86	1.11/16	38204
43.00		38204
44.00		40378
44.45	1.3/4	40378
45.00		41805
45.24	1.25/32	41804
46.00		43354
46.04	1.13/16	43354
47.00		45054
47.62	1.7/8	47375
48.00		47375
49.00		50588
49.21	1.15/16	50588
50.00		54438
50.80	2	60194
51.00		60716
52.00		66871

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK 03 OR 04
FLUTED CORE DRILLS IS - 5366
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		PRICE (RS.) EACH
MM	INCH	
52.39	2.1/16	66871
53.00		78111
53.97	2.1/8	78111
54.00		78111
55.00		81875
55.36	2.3/16	81875
56.00		85341
57.00		85341
57.15	2.1/4	85341
58.00		93261
58.74	2.5/16	93261
59.00		94986
60.00		94986
60.32	2.3/8	94986
61.00		101230
61.91	2.7/16	101230
62.00		101230
63.00		104139
63.50	2.1/2	104139
64.00		113705

SIZE		PRICE (RS.) EACH
MM	INCH	
65.00		113705
65.09	2.9/16	113705
66.00		119219
66.67	2.5/8	119219
67.00		124195
68.00		130225
68.26	2.11/16	130225
69.00		136589
69.85	2.3/4	139148
70.00		139148
71.00		141902
71.44	2.13/16	141902
72.00		148387
73.00		153889
73.02	2.7/8	153889
74.00		159707
74.61	2.15/16	159707
75.00		165592
76.00		173545
76.20	3	173545

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

IMPORTANT NOTES :

1. For non listed intermediate sizes. The higher price of the nearest listed size (INCH or MM) will be applicable.
2. Sizes upto 20mm will be with 3 flutes and above 20mm will be with 4 flutes unless otherwise specifide.
3. Core dills with nostandard number of flutes - **10% extra**
4. For **M35 = 40% & M42 = 80% extra**

HSS SHELL DRILLS BS : 122 : II : 1964
HSN CODE - 8207

NOM DIA INCH	PRICE (RS.) EACH	NOM DIA INCH	PRICE (RS.) EACH
1	5406	2	11950
1.1/16	5708	2.1/8	13208
1.1/8	6050	2.1/4	14454
1.3/16	6420	2.3/8	16172
1.1/4	6705	2.1/2	19668
1.5/16	7030	2.5/8	22850
1.3/8	7430	2.3/4	25138
1.7/16	7757	2.7/8	27935
1.1/2	8038	3	30678
1.9/16	8497	3.1/8	34398
1.5/8	8870	3.1/4	37725
1.11/16	10068	3.3/8	40573
1.3/4	10300	3.1/2	43563
1.13/16	10703	3.5/8	51468
1.7/8	11025	3.3/4	53842
1.15/16	11558	3.7/8	62324
	-	4	68875

HSS COMBINED DRILLS & COUNTERSINKS (CENTRE DRILLS) IS : 6708 / TYPE 'A'
HSN CODE - 8207

PILOT DIA MM	BODY DIA MM	PRICE (RS.) EACH	PILOT DIA MM	BODY DIA MM	PRICE (RS.) EACH
1	3.15	355	4	10	726
1.25	3.15	355	5	12.5	1322
1.60	4	355	6.3	16	1564
2	5	355	8	20	2414
2.50	6.3	411	10	25	3108
3.15	8	635			

HSS COMBINED DRILLS & COUNTERSINKS (CENTRE DRILLS) IS : 6710 / TYPE 'R'
HSN CODE - 8207

PILOT DIA MM	BODY DIA MM	PRICE (RS.) EACH	PILOT DIA MM	BODY DIA MM	PRICE (RS.) EACH
2	5	354	5	12.5	1322
2.50	6.3	411	6.3	16	1564
3.15	8	635	8	20	2414
4	10	785	10	25	3108

DAGGER BRAND®
SINCE 1937

HSS COMBINED DRILLS & COUNTERSINKS (CENTRE DRILLS) IS : 6709 / TYPE 'B' HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PILOT DIA MM	BODY DIA MM	PRICE (RS.) EACH	PILOT DIA MM	BODY DIA MM	PRICE (RS.) EACH
1	4	584	4	14	2163
1.25	5	623	5	18	3339
1.60	6.3	727	6	20	3934
2	8	1027	8	25	5092
2.50	10	1311	10	31.5	6043
3.15	11.2	1745			

HSS COMBINED DRILLS & COUNTERSINKS (CENTRE DRILLS) BS : 328 (PART 2) 1950 HSN CODE - 8207

B.S. NO	PILOT DIA INCH	BODY DIA INCH	OAL INCH	PRICE (RS.) EACH
BS-1	3/64	1/8	1.1/2	355
BS-2	1/16	3/16	1.3/4	355
BS-3	3/32	1/4	2	411
BS-4	1/8	5/16	2.1/4	635
BS-5	3/16	7/16	2.1/2	830
BS-6	1/4	5/8	3	1564
BS-7	5/16	3/4	3.1/2	2414

ITEMS MARKED ★ : **(ONLY IN RH)** ARE EX-STOCK ITMS. ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT OR MOQ OF 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

BIRLA PRECISION
Forward, Together.

HSS TAPER SHANK TWIST DRILL (LONG SERIES)
IS : 8305 - 1976 (TYPE 'N')
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		OAL	PRICE (RS.) EACH
MM	INCH	MM	
5.00		155	2001
	13/64	155	2001
5.20		155	2001
5.50		161	2229
	7/32	161	2229
5.80		161	2229
	15/64	161	2229
6.00		161	2229
6.20		167	2484
	1/4	167	2483
6.50		167	2484
	17/64	174	2677
6.80		174	2677
7.00		174	2677
	9/32	174	2677
7.20		174	2760
7.50		174	2760
	19/64	181	2919
7.80		181	2919
	5/16	181	2919
8.00		181	2919
8.20		181	2978
	21/64	181	2978
8.50		181	2978
	11/32	188	3228
8.80		188	3230
9.00		188	3230
	23/64	188	3306
9.20		188	3306
9.50		188	3306
	3/8	197	3306
9.80		197	3755
	25/64	197	3755
10.00		197	3755
10.20		197	3859
	13/32	197	3859
10.50		197	3859
	27/64	206	3944
10.80		206	3944
11.00		206	3944
	7/16	206	4091
11.20		206	4091
11.50		206	4091
	29/64	206	4091
11.80		206	4091
	15/32	215	4847

SIZE		OAL	PRICE (RS.) EACH
MM	INCH	MM	
12.00		215	4847
12.20		215	5111
	31/64	215	5111
12.50		215	5111
	1/2	215	5111
12.80		215	5111
13.00		215	5111
	33/64	215	5111
13.20		215	5112
	17/32	223	5603
13.50		223	5603
13.80		223	5828
	35/64	223	5828
14.00		223	5829
14.25		245	7274
	9/16	245	7274
14.50		245	7436
	37/64	245	7436
14.75		245	7436
15.00		245	7436
	19/32	251	7602
15.25		251	7602
	39/64	251	7602
15.50		251	7602
15.75		251	7799
	5/8	251	7799
16.00		251	7799
16.25		257	7936
	41/64	257	7936
16.50		257	7936
	21/32	257	8105
16.75		257	8105
17.00		257	8105
	43/64	263	8799
17.25		263	8799
	11/16	263	8799
17.50		263	8799
17.75		263	8822
	45/64	263	8822
18.00		263	8822
18.25		269	8960
	23/32	269	8960
18.50		269	8960
	47/64	269	9103
18.75		269	9103
19.00		269	9103

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILL (LONG SERIES)
IS : 8305 - 1976 (TYPE 'N')
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		OAL	PRICE (RS.) EACH
MM	INCH	MM	
	3/4	275	9103
19.25		275	9352
	49/64	275	9352
19.50		275	9352
19.75		275	9506
	25/32	275	9506
20.00		275	9506
	51/64	282	9664
20.25		282	9664
20.50		282	9664
	13/16	282	9844
20.75		282	9844
21.00		282	9844
	53/64	282	11437
21.25		289	11435
	27/32	289	11437
21.50		289	11435
21.75		289	11664
	55/64	289	11664
22.00		289	11664
	7/8	289	12456
22.25		289	12456
22.50		296	12456
	57/64	296	13058
22.75		296	13058
23.00		296	13058
	29/32	296	15950
23.25		319	15950
	59/64	319	15950
23.50		319	15950
23.75		327	15950
	15/16	327	15950
24.00		327	15950
	61/64	327	16647
24.25		327	16647
24.50		327	16647
	31/32	327	17255
24.75		327	17255
25.00		327	17255
25.25		335	17255
	1	335	17255
25.50		335	17255
25.75		335	17944
26.00		335	17944
	1.1/32	335	18461
26.25		335	18461

SIZE		OAL	PRICE (RS.) EACH
MM	INCH	MM	
26.50		335	18461
26.75		343	21882
	1.1/16	343	21882
27.00		343	21882
27.25		343	22579
27.50		343	22579
27.75		343	23273
	1.3/32	343	23273
28.00		343	23995
	1.19/32	436	48490
28.25		351	24021
28.50		351	24021
	1.1/8	351	24021
28.75		351	24697
29.00		351	24697
29.25		351	25381
	1.5/32	351	25381
29.50		351	25381
29.75		351	26100
30.00		351	26100
	1.3/16	360	26100
30.25		360	26793
30.50		360	26793
30.75		360	26793
	1.7/32	360	26793
31.00		360	26793
31.25		360	26988
31.50		360	26988
31.75	1.1/4	369	28030
32.00		397	32286
32.50		397	33682
	1.9/32	397	33682
33.00		397	33682
	1.5/16	397	33682
33.50		397	35147
34.00		406	35147
	1.11/32	406	36685
34.50		406	36685
	1.3/8	406	36685
35.00		406	36685
35.50		406	36685
	1.13/32	416	40198
36.00		416	40198
36.50		416	41702
	1.7/16	416	41702
37.00		416	41702

HSS TAPER SHANK TWIST DRILL (LONG SERIES)
IS : 8305 - 1976 (TYPE 'N')
HSN CODE - 8207

SIZE		OAL	PRICE (RS.) EACH
MM	INCH	MM	
	1.15/32	416	45162
37.50		416	45162
38.00		426	45162
	1.1/2	426	45162
38.50		426	46643
	1.17/32	426	46643
39.00		426	46643
39.50		426	48490
	1.9/16	426	48490
40.00		426	48490
40.50		436	48490
41.00		436	48490
	1.5/8	436	48490
41.50		436	50971
42.00		436	50971
	1.21/32	436	53927
42.50		436	53927
	1.11/16	447	57933
43.00		447	57933
43.50		447	61070
	1.23/32	447	61070

SIZE		OAL	PRICE (RS.) EACH
MM	INCH	MM	
44.00		447	61070
	1.3/4	447	63581
44.50		447	63581
45.00		447	63581
	1.25/32		67036
45.50		459	67036
46.00			67036
	1.13/16		67036
46.50		459	69763
	1.27/32		69763
47.00			69763
47.50		459	73287
	1.7/8	470	73287
48.00			73287
	1.29/32		80270
48.50		470	80270
49.00			80270
	1.15/16	470	80270
49.50			80270
50.00			84403

ITEMS MARKED ARE EX-STOCK ITMS. ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT OR MOQ OF 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

IMPORTANT NOTES :

For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILLS
EXTRA LONG IS 7822 - 2005
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		OVERALL LENGTH IN MILIMETERS						
MM	INCH	200	225	250	275	300	315	325
		PRICE EACH RS.						
3.00	1/8	2814	3306	3663	4168	4727	-	5458
3.50		2890	3306	3765	4272	4846	-	5605
4.00	5/32	2890	3306	3765	4272	4846	-	5605
4.50		2967	3400	3765	4374	5140	-	5896
5.00	3/16	2967	3400	3765	4374	5140	-	5896
5.50	7/32	2967	3426	3949	4632	5247	-	6053
6.00		2981	3426	3987	4632	5247	5737	6053
6.50	1/4	3026	3533	4010	4864	5458	5919	6230
7.00		3297	3712	4167	4956	5708	6279	6545
7.50		3334	3804	4287	5046	5860	6420	6668
8.00	5/16	3483	3889	4458	5227	6006	6521	6853
8.50		3595	4034	4543	5322	6119	6602	7045
9.00		3653	4095	4653	5349	6164	6773	7104
9.50	3/8	3743	4142	4653	5495	6321	6866	7135
10.00		3755	4248	4791	5593	6443	7034	7331
10.50		3859	4408	5111	5909	6773	7334	7704
11.00		3945	4543	5163	6006	6898	7573	7902
11.50	7/16	4091	4637	5293	6153	7067	7704	8051
12.00		-	4847	5524	6398	7331	8002	8409
12.50	1/2	-	5111	5708	6632	7558	8261	8639
13.00		-	-	6773	7759	8809	9562	10058
13.50		-	-	6992	7914	9046	9798	10239
14.00		-	-	7225	8151	9210	9993	10403
14.50	9/16	-	-	7274	8262	9349	10047	10555
15.00		-	-	7436	8442	9575	10260	10814
15.50		-	-	7604	8638	9665	10463	10960
16.00	5/8	-	-	7799	8784	9859	10609	11156
16.50		-	-	7936	8901	10047	10814	11332
17.00		-	-	8105	9117	10150	10941	11486
17.50	11/16	-	-	-	-	10403	11151	11707
18.00		-	-	-	-	10555	11402	11891
18.50		-	-	-	-	10724	11538	12106
19.00	3/4	-	-	-	-	10913	11707	12286
19.50		-	-	-	-	11050	11840	12408
20.00		-	-	-	-	11236	12034	12643
20.50		-	-	-	-	11445	12252	12821
21.00	13/16	-	-	-	-	11649	12106	13040
21.50		-	-	-	-	11891	12696	13256
22.00		-	-	-	-	12152	13035	13634
22.50	7/8	-	-	-	-	12473	13308	13925
23.00		-	-	-	-	13057	13936	14444
23.50		-	-	-	-	14343	-	15950
24.00	15/16	-	-	-	-	14343	-	15950
24.50		-	-	-	-	14794	-	16647
25.00		-	-	-	-	-	-	17253

BIRLA PRECISION
Forward, Together.

HSS TAPER SHANK TWIST DRILLS
EXTRA LONG IS 7822 - 2005
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		OVERALL LENGTH IN MILIMETERS						
MM	INCH	350	375	400	425	450	475	500
		PRICE EACH RS.						
3.00	1/8	-	-	-	-	-	-	-
3.50		-	-	-	-	-	-	-
4.00	5/32	-	-	-	-	-	-	-
4.50		-	-	-	-	-	-	-
5.00	3/16	-	-	-	-	-	-	-
5.50	7/32	-	-	-	-	-	-	-
6.00		6367	8187	8732	9897	10475	11753	12369
6.50	1/4	7118	9149	9759	11057	11712	13132	13820
7.00		7514	8784	9363	10619	11242	12601	13270
7.50		7514	8784	9363	10619	11242	12601	13270
8.00	5/16	7225	8442	9006	10211	10803	12121	12757
8.50		7414	8662	9244	10473	11091	12440	13092
9.00		7818	9134	9743	11041	11695	13111	13802
9.50	3/8	7818	9138	9743	11041	11695	13111	13802
10.00		8207	9254	10292	11184	11837	13275	13981
10.50		8809	9897	11151	13457	14236	16581	17457
11.00		8970	10058	11245	13406	14192	16533	17399
11.50	7/16	9210	10321	11538	13871	14682	17104	17996
12.00		9506	10555	11840	13454	14244	16590	17465
12.50	1/2	9954	11236	12696	13454	14244	16590	17465
13.00		11445	12844	14428	17851	19812	21778	24283
13.50		11663	13165	14794	18036	20132	22651	25408
14.00		11891	13435	15075	18036	-	22651	25408
14.50	9/16	12121	13668	15340	18036	20131	22655	25405
15.00		12363	13858	15591	17955	20374	22880	25666
15.50		12550	14123	15805	18084	20571	23080	25887
16.00	5/8	12732	14343	16076	18460	20925	23363	26171
16.50		12967	14607	16467	18738	21146	23601	26333
17.00		13165	14802	16647	18961	21409	23828	26577
17.50	11/16	13418	15056	16848	19187	21655	24131	26827
18.00		13634	15318	17154	19429	21881	24380	27085
18.50		13754	15499	17423	19675	22133	24548	27349
19.00	3/4	13981	15739	17654	19883	22383	24789	27505
19.50		14232	16048	18014	20131	22649	25087	27772
20.00		14397	16264	18273	20531	22880	25361	28112
20.50		14638	16467	18544	20777	23273	25752	28536
21.00	13/16	14954	16807	18848	21226	23670	26223	28981
21.50		15215	17129	19208	21541	24168	26698	29573
22.00		15499	17423	19531	21881	24545	27125	30042
22.50	7/8	15764	17654	19739	22258	24884	27590	30541
23.00		16283	18039	20091	22579	25336	27998	30986
23.50		17481	19215	20776	23346	26059	28845	31937
24.00	15/16	17654	19465	21506	24080	26885	29629	32789
24.50		18459	20131	22238	24872	27650	30497	33678
25.00		19137	20925	22923	25574	28451	31343	34620

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILLS
EXTRA LONG IS 7822 - 2005
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		OVERALL LENGTH IN MILIMETERS							
MM	INCH	350	375	400	425	450	475	500	525
		PRICE EACH RS.							
25.50		19727	21541	23606	26302	29194	32188	35428	46411
26.00	1/4	20531	22320	24372	27085	30058	33018	36375	46465
26.50		21146	22970	25051	27840	30824	33798	37262	46593
27.00		21881	23777	25791	28576	31596	34680	38133	46750
27.50	5/16	22579	24380	26430	29336	32392	35481	38991	46848
28.00		23273	25087	27203	30058	33176	37074	39935	50056
28.50		24024	25828	27878	30759	33980	37202	40758	50164
29.00	3/8	24697	26536	28640	31536	34791	37988	41680	50228
29.50		25381	27203	29316	32286	35531	38848	42593	50290
30.00		26100	27935	30042	33018	36333	39663	43430	50427
31.00		26793	28633	30770	33837	37276	40698	44655	50512
32.00	7/16	26988	29194	32286	35481	39079	42593	46728	51119
33.00		-	-	33678	37063	40823	44499	48771	52031
34.00	1/2	-	-	35149	38636	42567	46426	50867	54222
35.00		-	-	36686	40335	44321	48365	52941	56419
36.00		-	-	38133	41863	46035	50228	55016	58526
37.00		-	-	39585	43430	47790	52117	57018	60713
38.00	9/16	-	-	41095	45160	49640	54068	59181	63004
39.00		-	-	42593	47139	51217	55785	60949	64874
40.00		-	-	44375	48490	53021	57671	62949	66923
41.00	5/8	-	-	-	-	-	-	65033	68995
42.00		-	-	-	-	-	-	67926	71697
43.00		-	-	-	-	-	-	70939	75116
44.00	11/16	-	-	-	-	-	-	73898	77771
45.00		-	-	-	-	-	-	76910	83582
46.00		-	-	-	-	-	-	80164	82071
47.00	3/4	-	-	-	-	-	-	83407	90501
48.00		-	-	-	-	-	-	86656	99396
49.00		-	-	-	-	-	-	89843	100130
50.00		-	-	-	-	-	-	93462	99846

SIZE		OVERALL LENGTH IN MILIMETERS						
MM	INCH	550	575	600	625	650	675	700
		PRICE EACH RS.						
25.50		48620	50827	53037	59035	66440	67681	71550
26.00	1/4	49153	51383	53620	64580	67166	68126	72334
26.50		49492	51735	53984	64718	67291	68244	72452
27.00		49831	52082	54348	64855	67404	69995	72576
27.50	5/16	50170	52422	54708	64989	67528	70118	72694
28.00		50516	52778	55924	65122	67658	70245	72818
28.50		50858	53131	57166	65261	67780	70362	73398
29.00	3/8	51201	54288	59524	65397	66800	70972	75141
29.50		51565	55383	60217	65537	68270	72532	76783

BIRLA PRECISION
Forward, Together.

HSS TAPER SHANK TWIST DRILLS
EXTRA LONG IS 7822 - 2005 (Contd.)
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		OVERALL LENGTH IN MILIMETERS						
MM	INCH	550	575	600	625	650	675	700
		PRICE EACH RS.						
30.00		55353	57791	60286	70048	72694	75454	78196
31.00		55721	58162	60678	70208	72830	75583	78324
32.00	7/16	56175	58589	61089	70389	72981	75725	78461
33.00		56411	58967	61536	70510	73332	76148	78969
34.00	1/2	58594	61256	63921	73237	76170	79098	82022
35.00		61120	67682	70621	75863	79110	83551	88142
36.00		61669	69239	72687	77370	82060	86614	92722
37.00		62798	72406	75413	80277	85139	93504	96968
38.00	9/16	65010	74961	78163	83209	88255	96794	100379
39.00		70991	81854	85414	88968	90970	100667	104417
40.00		72812	83957	87603	89448	93837	103571	107074
41.00	5/8	72812	83957	87603	90927	94317	103571	107306
42.00		73322	84349	87857	92045	95618	105359	109580
43.00		75116	88378	88380	92695	97743	105682	110715
44.00	11/16	77773	91495	91492	93830	100747	108506	113149
45.00		87558	96156	100331	96550	109595	124161	128757
46.00		88068	96156	100357	98172	110552	124161	128757
47.00	3/4	94333	107706	114077	118833	123584	134545	139430
48.00		97210	116072	125289	130509	135727	147657	153131
49.00		100681	117706	126214	131469	136728	148748	154256
50.00		104595	120607	125852	131469	136728	148322	153822

SIZE		OVERALL LENGTH IN MILIMETERS							
MM	INCH	525	550	575	600	625	650	675	700
		PRICE EACH RS.							
6.00		12986	13607	15480	16155	16828	17498	19155	19868
6.50	1/4	14512	15200	17295	18049	18804	19553	21400	22193
7.00		13930	14597	16606	17329	18049	18769	20547	21310
7.50		13930	14597	16606	17326	18049	18769	20547	21310
8.00	5/16	13395	14034	15965	16662	17360	18049	19756	20488
8.50		13747	14398	16383	17093	17809	18521	20276	21026
9.00		14494	15182	17273	18028	18779	19530	21376	22170
9.50	3/8	14494	15182	17273	18028	18779	19530	21376	22170
10.00		14672	15373	17488	18250	19007	19776	21645	22445
10.50		19470	20397	21331	22257	25231	26234	28718	29786
11.00		19410	20334	21264	22180	25148	26156	28624	29689
11.50	7/16	20081	21037	21994	22950	26013	27056	29616	30713
12.00		19484	20409	21334	22264	25239	26249	28734	29796
12.50	1/2	19484	20409	21334	22264	25239	26249	28734	29796
13.00		27090	28385	29671	30962	35103	36504	39955	41438
13.50		29158	30543	31925	33320	37769	39280	43000	44592
14.00		29158	30543	31925	33320	37769	39280	43000	44592
14.50	9/16	26164	27410	30451	31770	36017	37454	41001	42515

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK TWIST DRILLS
EXTRA LONG IS 7822 - 2005 (Contd.)
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		OVERALL LENGTH IN MILIMETERS							
MM	INCH	525	550	575	600	625	650	675	700
		PRICE EACH RS.							
15.00		26164	27410	30451	31770	36017	37454	41001	42515
15.50		25822	27047	30045	31353	35537	36959	40457	41950
16.00	5/8	26558	27829	30905	32254	36555	38022	41620	43159
16.50		27684	29002	32214	33612	38107	39631	43378	44988
17.00		27684	29002	32214	33612	38107	39631	43378	44988
17.50	11/16	28457	29821	33120	34566	39181	40748	44604	46255
18.00		29375	30770	34179	35670	40428	42045	46027	47731
18.50		29375	30770	34179	35670	40428	42045	46027	47731
19.00	3/4	29723	31133	34580	36090	40911	42545	46566	48295
19.50		30581	32039	35585	37130	42093	43774	47914	49697
20.00		32870	34437	38252	39915	43946	47050	49768	53415
20.50		33129	34437	37924	39571	44860	47050	51067	53734
21.00	13/16	33982	35601	39543	41260	45298	48649	51148	55223
21.50		35168	36844	39936	42704	46211	50346	52434	57156
22.00		35826	37368	40357	43490	46774	51283	53275	58213
22.50	7/8	36218	37368	40747	43727	48394	51283	54148	58213
23.00		36302	37824	42729	44592	49349	51329	54868	58605
23.50		39935	41838	43739	46039	54971	57167	59362	61568
24.00	15/16	40334	42249	44167	47314	55513	57727	59956	62177
24.50		41688	43677	45652	47582	57254	59551	61841	64129
25.00		42889	44927	46966	49014	59035	61394	63757	66119

BIRLA PRECISION
Forward, Together.

HSS PRALLEL SHANK TWIST DRILLS
EXTRA LONG TO OUR STANDARD
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

SIZE		OVERALL LENGTH IN MILIMETERS									
MM	INCH	50	100	125	150	175	200	225	250	300	350
		PRICE EACH RS.									
0.5	-	1185	-	-	-	-	-	-	-	-	-
0.60	-	1108	-	-	-	-	-	-	-	-	-
0.80	-	759	-	-	-	-	-	-	-	-	-
1.00	-	-	733	949	-	-	-	-	-	-	-
1.20	3/64	-	733	949	-	-	-	-	-	-	-
-	1/16	-	-	906	1081	-	-	-	-	-	-
-	5/64	-	-	939	1130	-	-	-	-	-	-
3.00	1/8	-	-	-	1526	1868	2116	2515	2967	3699	-
3.50		-	-	-	1488	1733	2229	2768	3334	4252	5770
4.00	5/32	-	-	-	1488	1733	2229	2768	3334	4252	5862
4.50		-	-	-	1525	1868	2229	2768	3334	4379	5862
5.00	3/16	-	-	-	1525	1943	2414	2965	3500	4637	6151
5.50	7/32	-	-	-	1667	2078	2578	3158	3726	4928	6411
6.00		-	-	-	1667	2170	2656	3214	3857	5048	6653
6.50	1/4	-	-	-	-	-	2718	3409	3926	5288	6653
7.00		-	-	-	-	-	3014	-	4320	5976	7471
7.50	9/32	-	-	-	-	-	3069	-	4593	6089	7471
8.00	5/16	-	-	-	-	-	3220	-	4784	6239	7648
8.50	11/32	-	-	-	-	-	3324	-	4880	6351	8167
9.00		-	-	-	-	-	3324	-	4880	6351	8167
9.50	3/8	-	-	-	-	-	3500	-	4912	6492	8426
10.00		-	-	-	-	-	3646	-	5050	6779	8804
10.50	13/32	-	-	-	-	-	3767	-	5394	7034	9259
11.00	7/16	-	-	-	-	-	-	-	5578	7249	9556
11.50		-	-	-	-	-	-	-	5578	7249	9556
12.00	15/32	-	-	-	-	-	-	-	5856	7685	9802
12.50	1/2	-	-	-	-	-	-	-	6039	7936	10455

DAGGER BRAND®
SINCE 1937

HSS PRALLEL SHANK TWIST DRILLS
EXTRA LONG TO OUR STANDARD
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE		OVERALL LENGTH IN MILIMETERS							
MM	INCH	325	375	400	425	450	475	500	525
6.00		-	6340	7217	7913	8382	8846	9314	10553
6.50	1/4	6481	8442	9002	9880	10465	11041	11627	13171
7.00		6557	8500	9075	10005	10598	11184	11772	13346
7.50	9/32	6625	8560	9144	10574	11198	11822	12448	14107
8.00	5/16	6698	8613	9210	10732	11354	12005	12654	14429
8.50	11/32	6768	8681	9276	10895	11536	12207	12864	14820
9.00		6866	8746	9357	11163	11822	12673	13132	15139
9.50	3/8	7133	8831	9421	11604	12286	12969	13654	15742
10.00		8091	10533	11232	13838	14650	15462	16276	18767
10.50	13/32	8784	11428	12195	15012	15897	16786	17662	20364
11.00	7/16	8701	11326	12080	14881	15757	16627	17503	20182
11.50		9721	11824	12613	13404	14185	15744	16573	18676
12.00	15/32	9753	11864	12651	13450	14234	15799	16627	18738
12.50	1/2	10345	12578	13414	14247	15090	16752	17623	19864

SIZE		OVERALL LENGTH IN MILIMETERS						
MM	INCH	550	575	600	625	650	675	700
6.00		11057	11559	12066	-	-	-	-
6.50	1/4	13802	14428	15060	-	-	-	-
7.00		13981	14610	15248	-	-	-	-
7.50	9/32	14141	15443	16119	-	-	-	-
8.00	5/16	15144	17051	17797	-	-	-	-
8.50	11/32	15542	18500	19472	21166	22321	23424	24369
9.00		15864	19536	20394	21882	22762	23635	24515
9.50	3/8	16486	20320	21200	22753	23658	24571	25479
10.00		19662	24221	25276	27127	28213	29301	30381
10.50	13/32	21332	26288	27434	29437	30616	31793	32972
11.00	7/16	21141	26049	27187	29171	30338	31506	32675
11.50		19564	20456	21340	24758	25749	29468	30560
12.00	15/32	19630	20525	21412	24839	25831	29560	30656
12.50	1/2	20803	21754	22700	26332	27383	31340	32500

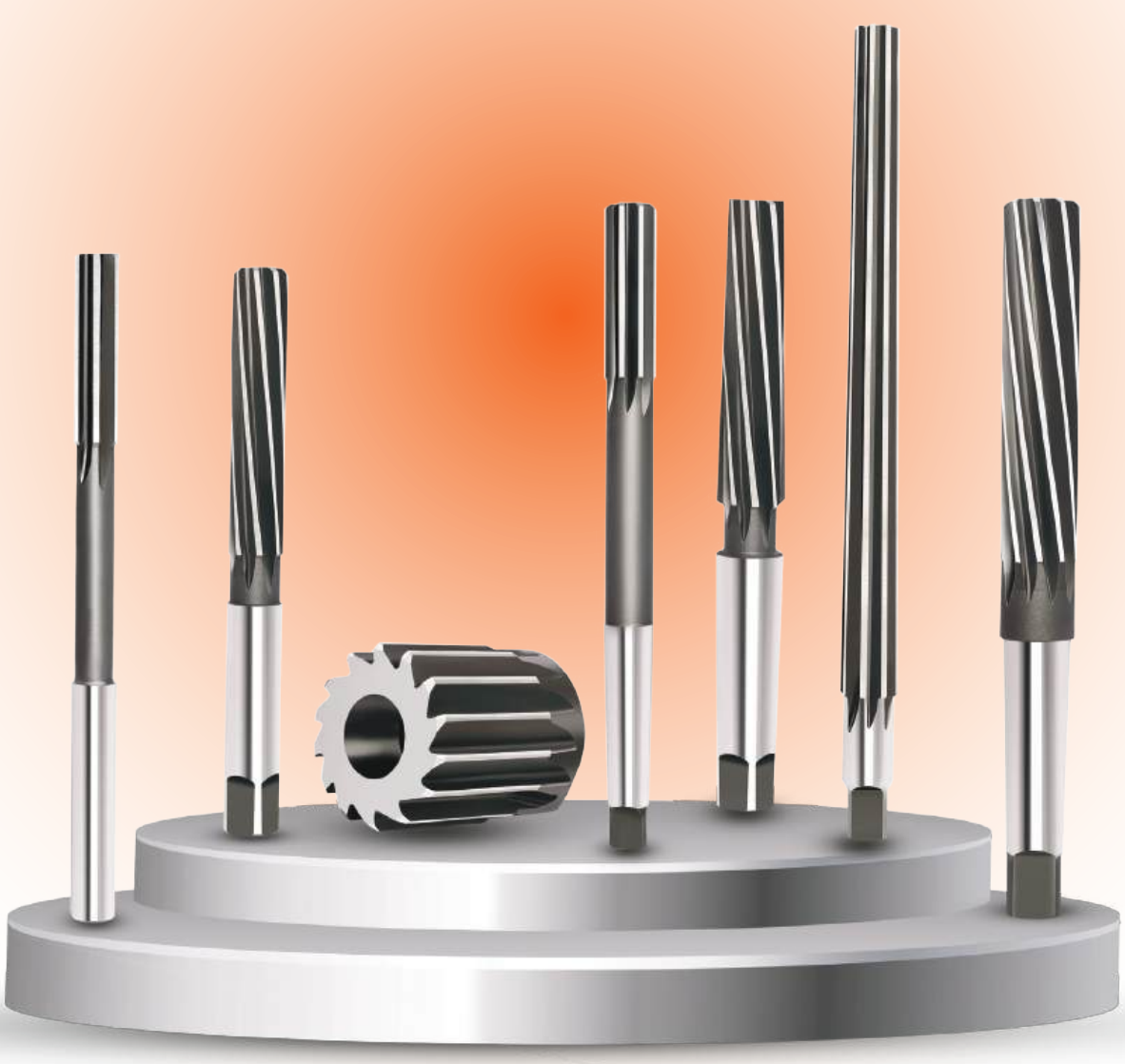
IMPORTANT NOTES :

1. Other details will be maintained as per IS : 7823 - 1983.
2. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.
3. All above items will attract minimum order value of Rs. 50,000/- nett or 15 nos, per size whichever is higher.
4. For **M35 = 40 % & M42 = 80 % extra**

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

REAMERS



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DAGGER BRAND®
SINCE 1937

HSS PARALLEL HAND REAMERS, HSS LONG FLUTED MACHINE REAMERS AND HSS PARALLEL / TAPER SHANK CHUCKING REAMERS
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

SIZE		HAND REAMERS IS : 5444	LONG FLUTED MACHINE REAMERS IS : 5445	CHUCKING REAMERS	
MM	INCH			PARALLEL SHANK IS : 5446	TAPER SHANK IS : 5447
3.00		1821	1821	1821	1821
3.17	1/8	1821	1821	1821	1821
3.50		1821	1821	1821	1821
3.97	5/32	1821	1821	1821	1821
4.00		1821	1821	1821	1821
4.50		1821	1821	1821	1821
4.76	3/16	1821	1821	1821	1821
5.00		1821	1821	1821	1821
5.50		1821	1821	1821	1821
5.56	7/32	1821	1821	1821	1821
6.00		2115	2115	2115	2115
6.35	1/4	2115	2115	2115	2115
7.00		2117	2117	2117	2117
7.14	9/32	2117	2117	2117	2117
7.94	5/16	2405	2405	2405	2405
8.00		2405	2405	2405	2405
8.73	11/32	2507	2507	2507	2507
9.00		2507	2507	2507	2507
9.12	23/64	2507	2507	2507	2507
9.52	3/8	2732	2732	2732	2732
9.92	25/64	3028	3028	3028	3028
10.00		3028	3028	3028	3028
10.32	13/32	3028	3028	3028	3028
11.00		3399	3399	3399	3399
11.11	7/16	3399	3399	3399	3399
11.91	15/32	3536	3536	3536	3536
12.00		3536	3536	3536	3536
12.70	1/2	3668	3668	3668	3668
13.00		4463	4463	4463	4463
13.49	17/32	4463	4463	4463	4463
14.00		4463	4463	4463	4463
14.29	9/16	4463	4463	4463	4463
15.00		4493	4493	4493	4493
15.08	9/32	4493	4493	4493	4493
15.87	5/8	4493	4493	4493	4493
16.00		4493	4493	4493	4493
16.67	21/32	5171	5171	-	5171
17.00		5171	5171	-	5171
17.46	11/16	5171	5171	-	5171
18.00		5541	5541	-	5541
18.26	23/32	5887	5887	-	5887
19.00		5887	5887	-	5887
19.05	3/4	5887	5887	-	5887
20.00		6564	6564	-	6564

BIRLA PRECISION
Forward, Together.

HSS PARALLEL HAND REAMERS, HSS LONG FLUTED MACHINE REAMERS AND HSS PARALLEL / TAPER SHANK CHUCKING REAMERS
HSN CODE - 8207

DAGGER BRAND®
SINCE 1937

PRICE RS. EACH

SIZE		HAND REAMERS IS : 5444	LONG FLUTED MACHINE REAMERS IS : 5445	CHUCKING REAMERS	
MM	INCH			PARALLEL SHANK IS : 5446	TAPER SHANK IS : 5447
20.64	13/16	6684	6684	-	6684
21.00		7427	7427	-	7427
22.00		7427	7427	-	7427
22.22	7/8	7427	7427	-	7427
23.00		8671	8671	-	8671
23.81	15/16	9605	9605	-	9605
24.00		9605	9605	-	9605
25.00		9628	9628	-	9628
25.40	1	9803	9803	-	9803
26.00		11897	11897	-	11897
26.99	1.1/16	13606	13606	-	13606
27.00		13606	13606	-	13606
28.00		13606	13606	-	13606
28.57	1.1/8	13606	13606	-	13606
29.00		14434	14434	-	14434
30.00		15575	15575	-	15575
30.16	1.3/16	15575	15575	-	15575
31.00		17199	17199	-	17199
31.75	1.1/4	17199	17199	-	17199
32.00		17199	17199	-	17199
33.00		19532	19532	-	19532
33.34	1.5/16	19532	19532	-	19532
34.00		21943	21943	-	21943
34.92	1.3/8	24011	24011	-	24011
35.00		24011	24011	-	24011
36.00		24011	24011	-	24011
36.51	1.7/16	24186	24186	-	24186
37.00		26355	26355	26355	
38.00		26355	26355	26355	
38.10	1.1/2	26355	26355	26355	
39.00		29125	29125	29125	
39.69	1.9/16	31835	31835	31835	
40.00		31835	31835	31835	
41.00		32105	32105	32105	
41.27	1.5/8	37837	37837	37837	
42.00		37837	37837	37837	
42.86	1.11/16	37837	37837	37837	
43.00		37837	37837	37837	
44.00		37837	37837	37837	
44.45	1.3/4	37837	37837	37837	
45.00		44342	44342	44342	
46.00		44342	44342	44342	
47.00		47877	47877	47877	
47.62	1.7/8	51420	51420	51420	

DAGGER BRAND®
SINCE 1937

HSS PARALLEL HAND REAMERS, HSS LONG FLUTED MACHINE REAMERS AND HSS PARALLEL / TAPER SHANK CHUCKING REAMERS
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

SIZE		HAND REAMERS IS : 5444	LONG FLUTED MACHINE REAMERS IS : 5445	CHUCKING REAMERS	
MM	INCH			PARALLEL SHANK IS : 5446	TAPER SHANK IS : 5447
48.00		51420	51420	51420	
49.00		51420	51420	51420	
49.21	1.15/16	51420	51420	51420	
50.00		51420	51420	51420	
50.80	2	51420	51420	51420	
51.00		51420	51420	51420	
52.00		61291	61291	-	
52.39	2.1/16	61291	61291	-	
53.00		61291	61291	-	
53.97	2.1/8	61291	61291	-	
54.00		61291	61291	-	
55.00		71169	71169	-	
55.56	2.3/16	71169	71169	-	
56.00		71169	71169	-	
57.00		71169	71169	-	
57.15	2.1/4	71169	71169	-	
58.00		76148	76148	-	
58.74	2.5/16	76148	76148	-	
59.00		76148	76148	-	
60.00		90345	90345	-	
60.32	2.3/8	90345	90345	-	
61.00		90345	90345	-	
61.91	2.7/16	90345	90345	-	
62.00		90345	90345	-	
63.00		90345	90345	-	
63.50	2.1/2	90345	90345	-	
64.00		90345	90345	-	
65.00		-	109082	-	
65.09	2.9/16	109082	109082	-	
66.00		-	112762	-	
66.67	2.5/8	112762	112762	-	
67.00		112762	112762	-	
68.00		-	120885	-	
68.26	2.11/16	120885	120885	-	
69.00		-	120885	-	
69.85	2.3/4	120885	120885	-	
70.00		-	120885	-	
71.00		120885	120885	-	
71.44	2.13/16	127010	127010	-	
72.00		-	147676	-	
73.00		-	147676	-	
73.02	2.7/8	147676	147676	-	
74.00		-	147676	-	
74.61	2.15/16	147676	147676	-	

HSS PARALLEL HAND REAMERS, HSS LONG FLUTED MACHINE REAMERS AND HSS PARALLEL / TAPER SHANK CHUCKING REAMERS
HSN CODE - 8207

PRICE RS. EACH

SIZE		HAND REAMERS IS : 5444	LONG FLUTED MACHINE REAMERS IS : 5445	CHUCKING REAMERS	
MM	INCH			PARALLEL SHANK IS : 5446	TAPER SHANK IS : 5447
75.00		-	155072	-	
76.00		-	155072	-	
76.20	3	155072	155072	-	

ITEMS MARKED ★ : **(ONLY IN RH)** ARE EX-STOCK ITMS. ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000/- NETT OR MOQ OF 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

IMPORTANT NOTES :

For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

DAGGER BRAND®
SINCE 1937

HSS TAPER SHANK EXTRA LONG MACHINE REAMERS
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

SIZE	PRICE (RS.) EACH
8 x 125 x 200	3479
8 x 175 x 250	3720
8 x 200 x 300	4079
9 x 125 x 200	3396
9 x 175 x 250	3910
9 x 225 x 300	5116
10 x 125 x 200	4371
10 x 175 x 250	4662
10 x 200 x 300	4949
10 x 300 x 400	5290
12 x 160 x 250	5179
12 x 200 x 300	5459
13 x 200 x 300	6243
14 x 160 x 250	5819
14 x 200 x 300	6832
15 x 200 x 300	6938
15 x 300 x 400	7764
16 x 200 x 300	6938
16 x 300 x 400	7764
17 x 200 x 300	7830
18 x 200 x 300	8606
19 x 200 x 300	9141
20 x 200 x 300	10145
20 x 300 x 400	11460
22 x 200 x 300	11519
25 x 200 x 325	14956
25 x 275 x 400	16797
26 x 275 x 400	20769
28 x 275 x 400	23854

SIZE	PRICE (RS.) EACH
5/16 x 125 x 200	3479
5/16 x 175 x 250	3720
5/16 x 200 x 300	4079
3/8 x 125 x 200	4371
3/8 x 175 x 250	4662
3/8 x 200 x 300	4949
7/16 x 160 x 250	5179
7/16 x 200 x 300	5459
1/2 x 175 x 200	5844
1/2 x 200 x 300	5904
9/16 x 200 x 300	6938
9/16 x 250 x 350	7353
5/8 x 200 x 300	6938
5/8 x 250 x 350	7424
5/8 x 300 x 400	7764
11/16 x 200 x 300	8613
3/4 x 200 x 300	9141
3/4 x 300 x 400	9730
13/16 x 200 x 300	11519
7/8 x 200 x 300	13646
7/8 x 300 x 400	13940
1 x 200 x 325	14956
1 x 275 x 400	16797
1.1/8 x 275 x 400	25520

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 / - NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.
FOR **M35 = 40% & M42 = 80% extra.**

IMPORTANT NOTES :

For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

HSS TAPER PIN REAMERS (TAPER 1:50)
HAND - IS : 5881 - 1984, MACHINE IS : 5918 - 1984
HSN CODE - 8207

NOMINAL DIA MM	PRICE (RS.) EACH	NOMINAL DIA MM	PRICE (RS.) EACH
3	3906	16	8848
4	3906	20	13763
5	3906	25	14606
6	3906	30	19652
8	5290	32	21592
10	5866	40	38611
12	7082	50	66918
14	7951		

HSS TAPER REAMERS (TAPER 1:48)
HAND / MACHINE - BS : 122 : 12 : 1964 / HSN CODE - 8207

NOMINAL DIA INCH	PRICE (RS.) EACH	NOMINAL DIA INCH	PRICE (RS.) EACH
3/16	3640	13/32	5693
7/32	3640	7/16	5861
1/4	3640	1/2	6626
9/32	3983	9/16	7659
5/16	4410	5/8	8523
11/32	4978	3/4	10740
3/8	5029	7/8	13253

ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 35,000/- NETT MOQ OF 15 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra**

R.H. Cutting with straigh flutes will be supplied as standard for hand taper pin Reamer.
R.H. Cutting with L.H. helical flutes will be supplied as standard for Machine Taper Pin Reamer.

HSS MACHINE JIG REAMERS - IS : 11002 - 1989 / HSN CODE - 8207

SIZE MM	PRICE (RS.) EACH	SIZE MM	PRICE (RS.) EACH
10	3887	33	23744
11	3887	35	27344
12	4453	36	29334
13	5292	39	31364
14	5292	40	36054
15	5820	41	36054
16	5820	43	40280
17	6718	44	44259
19	7526	45	48061
20	8207	46	48061
22	9468	47	52397
23	9468	48	56985
24	12193	49	56985
25	13212	50	63353
27	14768	-	-
28	16049	-	-
30	17465	-	-
32	20220	-	-

ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 35,000/- NETT OR 3 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra**

IMPORTANT NOTES :

For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

DAGGER BRAND®
SINCE 1937

HSS SOCKET REAMERS : PARALLEL SHANK - IS : 5882 / TAPER SHANK - IS 5807. TYPE 'A' (ROUGHING), TYPE 'B' (PRE - FINISHING), TYPE 'C' (FINISHING) / HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

MORSE TAPER NO	PARALLEL SHANK PRICE (RS.) EACH	TAPER SHANK PRICE (RS.) EACH
0	4177	4959
1	4598	5229
2	6403	7763
3	9302	11637
4	15390	18331
5	31364	33691
6	55346	77170

★ Type required to be specified in order.

HSS MACHINE BRIDGE REAMERS - IS 5919
HSN CODE - 8207

SIZE MM	PRICE (RS.) EACH	SIZE MM	PRICE (RS.) EACH	SIZE MM	PRICE (RS.) EACH
11	4620	20	10403	31	19889
11.5	5399	21	11558	32	19889
12	5399	21.5	11558	33	21399
13	5887	22	11558	35	22955
13.5	5887	23	12607	36	24499
14	5887	23.5	12607	37	26115
15	6832	25.0	13711	40	41523
17	8429	27	15455	43	49145
17.5	8429	28	16726	49	66842
19	9468	30	18057	-	-

HSS MACHINE BRIDGE REAMERS BS : 122 (PART 2) : 1964
HSN CODE - 8207

SIZE INCH	PRICE (RS.) EACH	SIZE INCH	PRICE (RS.) EACH	SIZE INCH	PRICE (RS.) EACH
7/16	4620	13/16	10056	1.3/16	17335
1/2	4996	7/8	11558	1.1/4	19337
9/16	5887	15/16	12607	1.5/16	20469
5/8	6832	1	13711	1.3/8	21943
11/16	8429	1.1/16	14919	1.7/16	23454
3/4	9468	1.1/8	16029	1.1/2	26115

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 35,000/- NETT OR 3 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra**

IMPORTANT NOTES :

For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

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HSS SHELL REAMERS IS : 5926 : 1970 (WITH 1:30 TAPER HOLE) HSN CODE - 8207

SIZE MM	PRICE (RS.) EACH	SIZE MM	PRICE (RS.) EACH	SIZE MM	PRICE (RS.) EACH
21	5994	42	11324	66	25641
22	5994	43	11324	67	28131
23	5994	44	11487	68	28131
24	5994	45	11982	70	28131
25	5994	46	11982	72	31283
26	6353	47	12550	73	31283
27	6353	49	12889	76	34328
28	6814	50	13415	79	38512
30	7173	52	14857	80	42214
32	7511	54	14857	82	42214
33	7886	56	16303	85	45532
35	8297	57	16303	89	48771
36	8643	58	18277	91	57686
38	9101	60	18277	92	57686
39	9555	62	22084	95	60300
40	9555	63	22084	98	69615
41	9979	65	25641	99	77062
				100	77062

HSS COUNTERSINKS WITH TAPER SHANK BS : 122 (PART 2) : 1964 (INCLUDED ANGLE 60 OR 90) / HSN CODE - 8207

BODY DIA INCH	PRICE (RS.) EACH	BODY DIA INCH	PRICE (RS.) EACH	BODY DIA INCH	PRICE (RS.) EACH
1/2	3195	1.1/8	9870	2	29660
5/8	4243	1.1/4	12421	2.1/4	33625
3/4	4806	1.3/8	14523	2.1/2	41730
7/8	6069	1.1/2	17212	2.3/4	49254
1	7637	1.3/4.	25452	3	59567

HSS TAPER SHANK COUNTERBORES IS : 5710 - 1988 / HSN CODE - 8207

CUTTER DIA MM	PRICE (RS.) EACH
13.5	4824
14.5	5422
16.5	6227
17.5	6698
19.5	7909
20.0	8288
22.0	9489
23.0	10890
25.0	13185
26.0	14610
28.0	16317
29.0	17199
31.0	18750
33.0	21483
34	22905
36	24895

CUTTER DIA MM	PRICE (RS.) EACH
37	25942
39	28107
41	30479
43	31513
46	35875
48	38947
51	43961
53	47761
55	52575
57	57761
59	64005
61	71311

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.
For **M35 = 40% & M42 = 80% extra**

IMPORTANT NOTES :
1. Counterbores will be supplied without pilots and grub screws. Pilot holes and grub screw holes, will however, be provided.
2. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

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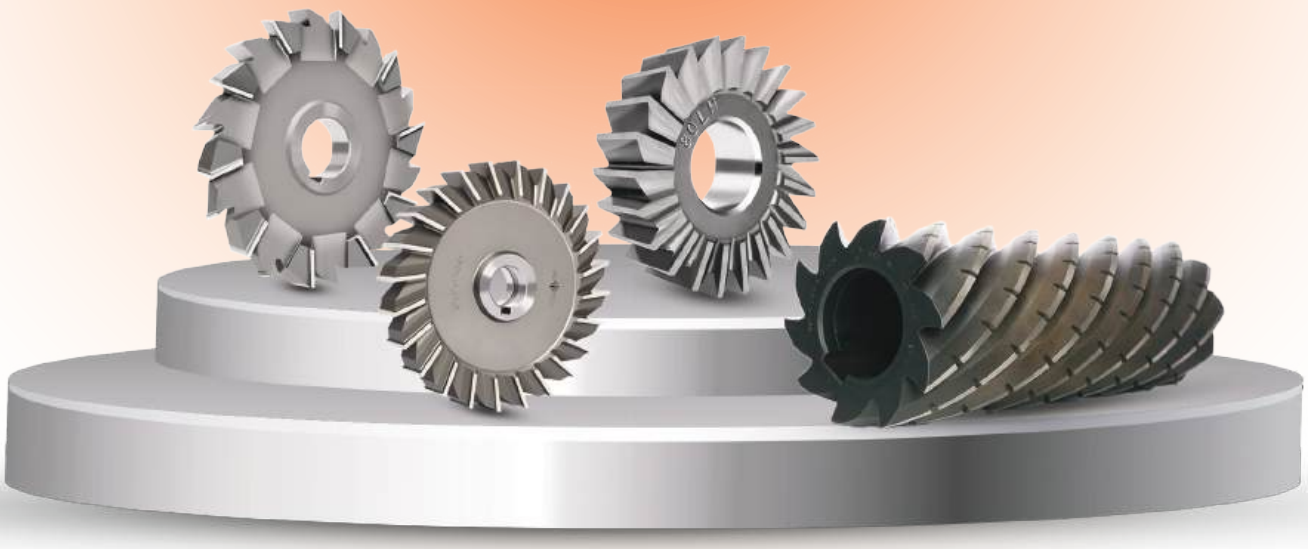
MILLING CUTTERS



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HSS TAPER SHANK COUNTER BORES
BS : 122 (PART 2) : 1964
HSN CODE - 8207

COUNTERBORE DIA INCH	PRICE (RS.) EACH	COUNTERBORE DIA INCH	PRICE (RS.) EACH
1/2	4257	1.1/8	16317
9/16	5292	1.1/4	18750
5/8	5908	1.3/8	22905
11/16	6698	1.1/2	26607
3/4	7526	1.5/8	30496
13/16	8343	1.3/4	34552
7/8	9489	1.7/8	38381
15/16	11150	2	42377
1	13185	-	-

IMPORTANT NOTES :

1. Counterbores upto and including 1/2" dia. are supplied without integrated pilots, the diameter of which should be specified at the time of order.
2. Counterbores above 1/2" dia. Will be provided with pilot holes and grub screw holes. The pilots & grub screws will not be supplied by us.
3. For non listed intermediate sizes, the higher price of the nearest listed size (INCH or MM) will be applicable.

HSS CYLINDRICAL CUTTERS IS : 6309
HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	PRICE (RS.) EACH	DIA MM	BORE MM	WIDTH MM	PRICE (RS.) EACH
40	16	20	4372	80	32	80	21208
40	16	32	5467	80	32	100	24416
40	16	50	6802	100	40	40	17626
40	16	70	9121	100	40	70	26695
50	22	25	5602	100	40	90	33074
50	22	40	6633	100	40	110	46465
50	22	63	8710	100	40	125	56600
50	22	80	11275	125	50	50	39786
63	27	32	7980	125	50	80	56436
63	27	50	10058	125	50	110	75951
63	27	70	13243	125	50	125	84965
63	27	90	15544	125	50	140	94505
80	32	36	11275	160	60	125	141374
80	32	63	17922	-	-	-	-

HSS HELICAL CYLINDRICAL CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

PRICE RS. EACH

LENGTH OF CUTTER INCH	DIAMETER OF CUTTER		
	3"	4"	5"
2	19895	29211	48718
3	25185	39075	65628
4	33866	49763	82591
5	48928	71988	99291
6	62043	84710	116411

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.
FOR **M35 = 40% & M42 = 80% extra**

DAGGER BRAND®
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HSS HIGH POWER CYLINDRICAL CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

LENGTH OF CUTTER INCH	DIAMETER OF CUTTER				
	2.1/2"	3"	3.1/2"	4"	4.1/2"
1	7128	8991	9963	12596	18164
2	10556	13838	16615	22055	30502
3	14045	18793	23197	31486	43085
4	17497	23887	29863	40128	56436
5	21098	33592	43920	55715	69481
6	24691	49914	52260	65134	82573
7	28169	49914	60705	77653	96687
8	32985	57015	69153	88452	108952

IMPORTANT NOTES :

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.
FOR **M35 = 40% & M42 = 80% extra**

HSS SIDE & FACE CUTTERS
IS : 6308 - 1982 / HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	PRICE RS. EACH	
			STRAIGHT TEETH TYPE 'B'	STAGGERED TEETH TYPE 'A'
50	16	5	5126	6377
		6	5326	6633
		8	5467	6816
		10	5807	7256
63	22	6	6280	8117
		8	6633	8854
		10	7218	9121
		12	7528	9829
		14	7755	10544
		16	8134	11374
		18	8676	11711
80	27	6	6875	8632
		8	7621	9390
		10	8134	10746
		12	8676	11374
		14	9225	12202
		16	9652	12450
		18	10746	14100
		20	11211	14789
100	★★	6	9829	11919
		8	10508	12757
100	32	10	11616	13671
		12	12450	15196
		14	13190	15544
		16	14100	16770

HSS SIDE & FACE CUTTERS
IS : 6308 - 1982 / HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	PRICE RS. EACH	
			STRAIGHT TEETH TYPE 'B'	STAGGERED TEETH TYPE 'A'
100	32	18	15038	17240
		20	16194	18204
		22	16951	20816
		25	18420	22697
125	★★	6	13778	17096
		8	14789	18418
		10	15846	21434
125	32	12	18058	22255
		14	19560	23773
		16	20392	24691
		18	21867	28161
		20	22643	30380
		22	25006	33015
		25	27344	34331
		28	30791	39304
150	★★	6	16770	21564
		8	18243	23330
		10	19792	25140
		12	22923	28955
		14	24514	30791
		16	26124	32656
		18	29333	36223
		20	29333	36223
		22	32566	40135
		25	35702	44203
		28	38681	48468
		32	41573	52879
160	★★	6	22818	25485
		8	24256	27095
		10	25694	28698
		12	27102	30264
160	40	14	28530	31884
		16	30211	33480
		18	32351	37042
		20	33968	37042
		22	35972	41062
		25	38825	47611
		28	41573	49580
		32	45254	54055

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HSS SIDE & FACE CUTTERS
IS : 6308 - 1982 / HSN CODE - 8207

BIRLA PRECISION Forward, Together.

DIA MM	BORE MM	WIDTH MM	PRICE RS. EACH	
			STRAIGHT TEETH TYPE 'B'	STAGGERED TEETH TYPE 'A'
200	★★	6	29863	33124
		8	32224	35672
		10	34875	39202
		12	40310	44321
		14	42935	47423
200	40	16	45590	50579
		18	50875	57350
		20	51430	59097
		22	56160	64285
		25	61446	70593
		28	64692	74974
		32	71906	84033
225	★★	8	41991	45926
		10	45707	49472
		12	53213	58070
		14	57044	62785
		16	60939	67449
		18	68747	78170
		20	68747	78170
		22	75894	86558
		25	83112	94669
		28	90495	102324
		32	97863	109937
250	★★	10	52850	56780
		12	61819	67698
		14	66927	72948
		16	71859	78170
		18	81223	90428
		20	81223	90428
		22	89886	100182
		25	99102	109124
		28	107729	120743
		32	116264	132408

IMPORTANT NOTES :

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 3 NOS. PER SIZE WHICHEVER IS HIGHER.
FOR **M35 = 40% & M42 = 80% extra**

★★ BORE REQUIRED FOR THESE SIZES TO BE SPECIFIED WHILE ORDERING.

HSS STRAIGHT TEETH SIDE & FACE CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

WIDTH OF CUTTER EDGE & BOSS INCH	DIAMETER OF CUTTER				
	PRICE (RS.) EACH				
	2.1/2"	3"	3.1/2"	4"	5"
1/4	6280	6960	8271	9803	13778
5/16	6578	7313	8739	10508	14789
3/8	6875	7756	9295	11211	15846
7/16	7187	8117	9845	11919	16951
1/2	7495	8545	10326	12450	18058
5/8	8035	9370	11446	14100	20392
3/4	8584	10058	12537	15544	22643
7/8	9159	11195	13516	16951	25006
1	9803	12095	14870	18418	27344
1.1/4	11019	13357	16820	20936	31581
1.1/2	12276	15264	18952	23058	35928

HSS STRAIGHT TEETH SIDE & FACE CUTTERS BS : 122
(PART 1) : 1953 / HSN CODE - 8207

WIDTH OF CUTTER EDGE & BOSS INCH	DIAMETER OF CUTTER				
	PRICE (RS.) EACH				
	6"	7"	8"	9"	10"
1/4	16770	24869	29863	38467	-
5/16	18243	26910	32224	41989	-
3/8	19792	28952	34875	45707	52850
7/16	21354	30887	37585	49266	56797
1/2	22923	33360	40309	53214	61816
5/8	26112	37351	45590	60939	71859
3/4	29333	41421	50876	67517	81223
7/8	32564	45539	56163	75894	89888
1	35701	49609	61446	83111	99103
1.1/4	41573	57713	71893	97863	116264
1.1/2	47423	65925	82341	112657	134816
1.3/4	-	-	-	138154	163720

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 3 NOS. PER SIZE WHICHEVER IS HIGHER.
FOR **M35 = 40% & M42 = 80% extra**

★★ BORE REQUIRED FOR THESE SIZES TO BE SPECIFIED WHILE ORDERING.

IMPORTANT NOTES :

Cutter of width of 3/4" and above will be supplied with Left hand Helical Flutes.

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HSS STAGGERED TEETH SIDE & FACE CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

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WIDTH OF CUTTER EDGE & BOSS INCH	DIAMETER OF CUTTER					
	PRICE (RS.) EACH					
	3"	4"	5"	6"	7"	8"
1/4	8739	11919	17096	21564	28171	33167
5/16	9295	12757	18420	23330	32333	35672
3/8	10384	13516	21434	25140	34877	39202
7/16	10556	14342	21813	27016	36622	41766
1/2	10746	15194	22255	28955	38279	44321
5/8	12029	16770	24691	32656	44895	50579
3/4	12780	19138	28171	36223	50220	57522
7/8	13937	20816	32656	40135	55253	64285
1	15038	22694	34331	44173	60190	70574

HSS STAGGERED TEETH SIDE & FACE CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

WIDTH OF CUTTER EDGE & BOSS INCH	DIAMETER OF CUTTER	
	PRICE (RS.) EACH	
	9"	10"
5/16	45926	52604
3/8	49472	56780
7/16	54446	59392
1/2	58145	67698
5/8	67449	78170
3/4	78170	90428
7/8	86558	100210
1	89859	109124
1.1/4	109937	132408
1.1/2	125660	152139
1.3/4	153274	182824

IMPORTANT NOTES :

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 3 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra**

Cutter of width of 3/4" and above will be supplied with Left hand Helical Flutes.

★★ BORE REQUIRED FOR THESE SIZES TO BE SPECIFIED WHILE ORDERING.

HSS SINGLE ANGLE CUTTERS
IS : 6324 - 1971
HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	ANGLE DEGREES	PRICE (RS.) EACH
50	16	12	60, 65, 70, 75, 80 & 85	4842
63	22	18	60, 65, 70, 75, 80 & 85	7218
63	22	26	70, 75 & 80	8583
80	22	32	70, 75 & 80	11275
100	27	36	70, 75 & 80	16916

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 / - NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

HSS SINGLE ANGLE CUTTERS - BS : 122 (PART 1) : 1953
HSN CODE - 8207

WIDTH OF CUTTER INCH	ANGLE DEGREES	PRICE (RS.) EACH	
		DIAMETER OF CUTTER	
		2.3/4"	3"
5/16	30	6002	6634
7/16	30, 40	6578	7505
1/2	45, 50, 60, 70, 80	6960	7858
5/8	50, 60, 70, 80	7755	8739

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

HSS DOUBLE ANGLE CUTTERS - BS : 122 (PART 1) : 1953
HSN CODE - 8207

★Angle in degrees

DIA INCH	BORE INCH	WIDTH INCH	PRICE (RS.) EACH
2.3/4	1	5/8	6960
3	1.1/4	3/4	8739

★ Angle required to be specified at the time of order.

HSS EQUAL ANGLE CUTTERS - BS : 122 (PART 1) : 1953
HSN CODE - 8207

WIDTH OF CUTTER INCH	INCLUDED ANGLE IN DEGREES	PRICE (RS.) EACH	
		DIAMETER OF CUTTER	
		2.3/4"	3"
5/16	30, 40	6002	6634
7/16	30, 40	6280	6960
1/2	45, 60, 90	6280	6960
5/8	60, 90	6960	7620

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HSS EQUAL ANGLE CUTTERS
IS : 6326 / HSN CODE - 8207

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DIA MM	BORE MM	WIDTH MM	ANGLE DEGREES	PRICE (RS.) EACH
56	16	10	45	5326
63	22	12		6002
80	22	16		7620
100	27	18		11076
56	16	12	60	5571
63	22	16		6634
80	22	20		8272
100	27	25		12960
56	16	14	90	6002
63	22	18		6960
80	22	22		8992
100	27	28		14045

HSS DOUBLE (UNEQUAL) ANGLE CUTTERS - IS 6325
HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	ANGLE DEGREES	PRICE (RS.) EACH
50	16	12	55 X 12	5326
			60 X 15	5326
			65 X 15	5326
			70 X 15	5326
			75 X 15	5326
			80 X 15	5326
50	16	14	90 X 20	5808
50	16	16	100 X 25	6280
63	22	18	55 X 12	7292
			60 X 15	7292
			63 X 15	7292
			70 X 15	7292
			75 X 15	7292
			80 X 15	7292
63	22	20	90 X 20	7636
63	22	22	100 X 25	8255
80	22	32	65 X 15	11275
			70 X 15	11275
			75 X 15	11275
100	27	36	70 X 15	16916
			75 X 15	16916
			80 X 15	16916

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 20 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

HSS CONVEX CUTTERS
IS : 6323 : 1982
HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	RADIUS MM	PRICE (RS.) EACH
50	22	3	1.6	6396
50	22	4	2	6396
56	22	5	2.5	7569
56	22	6	3	7569
63	22	8	4	8035
63	22	10	5	8854
70	22	12	6	9546
70	22	16	8	10508
90	27	18	9	14045
90	27	20	10	14789
90	27	22	11	16297
90	27	24	12	17465
100	27	28	14	22274
110	32	32	16	28171
110	32	36	18	37190
125	40	40	20	41241

HSS CONCAVE CUTTERS
IS : 6322 : 1982
HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	RADIUS MM	PRICE (RS.) EACH
56	22	8	1.6	8035
56	22	9	2	8441
56	22	10	2.5	8686
63	22	12	3	9438
63	22	16	4	9709
63	22	20	5	11390
70	22	24	6	13577
70	22	28	7	14247
80	27	32	8	18621
90	27	36	9	22255
90	27	40	10	24691
100	27	42	11	28795
100	27	44	12	29764
100	27	46	12.5	30344
100	27	50	14	33389
110	32	56	16	45962
125	32	62	18	62614
125	32	70	20	65925

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HSS CONVEX / CONCAVE CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

BIRLA PRECISION
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DIA OF CUTTER INCH	DIA OF CIRCLE INCH	DIA OF BORE INCH	CONVEX CUTTER		CONCAVE CUTTER	
			WIDTH OF CONVEX CUTTING INCH	PRICE (RS.) EACH	WIDTH OF CONCAVE CUTTING INCH	PRICE (RS.) EACH
2.1/4	1/8	1	1/8	6802	5/16	8035
	3/16		3/16	7256	3/8	8331
	1/4		1/4	7584	1/2	8876
i2.1/2	5/16	1	5/16	8035	5/8	9724
	3/8		3/8	8562	3/4	10544
	7/16		7/16	8871	7/8	11390
	1/2		1/2	9554	1	12148
2.3/4	9/16	1	9/16	9724	1.3/16	14247
	5/8		5/8	10556	1.3/16	14609
3	11/16	1	11/16	10744	1.3/8	10744
	3/4		3/4	11262	1.3/8	11262
3.1/4	13/16	1	13/16	13888	1.9/16	21208
	7/8		7/8	14789	1.9/16	21564
3.1/2	15/16	1	15/16	16566	1.3/4	25233
	1		1	17325	1.3/4	25592
4	1.1/8	1.1/4	1.1/8	22274	1.15/16	31288
	1.1/4		1.1/4	24514	2.1/8	33389
4.1/4	1.3/8	1.1/4	1.3/8	33743	2.5/16	44002
	1.1/2		1.1/2	36502	2.1/2	50422

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

HSS SINGLE / DOUBLE CORNER ROUNDING CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

DIA OF CUTTER INCH	CORNER RADIUS INCH	DIA OF BORE INCH	SINGLE CORNER		DOUBLE CORNER	
			WIDTH OF CONVEX CUTTING INCH	PRICE (RS.) EACH	WIDTH OF CONCAVE CUTTING INCH	PRICE (RS.) EACH
2.1/4	1/16	1	5/16	7128	7/16	10076
	3/32		5/16	7128	7/16	10076
	1/8		5/16	7128	7/16	10076
2.1/2	5/32	1	7/16	8035	5/8	11336
	3/16		7/16	8035	5/8	11336
	7/32		1/2	8494	3/4	12148

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

HSS SINGLE / DOUBLE CORNER ROUNDING CUTTERS
BS : 122 (PART 1) : 1953
HSN CODE - 8207

DIA OF CUTTER INCH	CORNER RADIUS INCH	DIA OF BORE INCH	SINGLE CORNER		DOUBLE CORNER	
			WIDTH OF CONVEX CUTTING INCH	PRICE (RS.) EACH	WIDTH OF CONCAVE CUTTING INCH	PRICE (RS.) EACH
2.1/2	1/4	1	1/2	8494	3/4	12148
2.3/4	9/32	1	5/8	9963	15/16	14451
	5/16		5/8	9963	15/16	14451
3	11/32	1	11/16	11808	1.1/16	16830
	3/8		11/16	11808	1.1/16	16830
3.1/4	13/32	1	3/4	13370	1.3/16	19321
	7/16		3/4	13370	1.3/16	19321
3.1/2	15/32	1	7/8	15892	1.3/8	23330
	1/2		7/8	15892	1.3/8	23330
	9/16		1	17497	1.5/8	26095
	5/8		1	17497	1.5/8	26095
3.3/4	11/16	1	1.1/8	25742	1.7/8	36868
	3/4		1.1/8	25742	1.7/8	36868

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 35,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

HSS SINGLE CORNER ROUNDING CUTTERS
IS : 6314 - 1982 / HSN CODE - 8207

DIA MM	BORE MM	WIDTH MM	RADIUS MM	PRICE (RS.) EACH
56	22	4	1.6	6802
56	22	5	2.5	6802
63	22	6	3	7858
63	22	8	4	8222
63	22	10	5	8760
70	22	12	6	9370
70	22	14	7	9845
80	27	16	8	12202
90	27	18	9	14732
90	27	20	10	16005
100	27	22	12	25948
100	27	22	12.5	25948
100	27	25	14	27483
110	32	28	16	29532
125	32	31	18	37763
125	32	35	20	40151

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs.50,000 / - NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

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END MILLS

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BIRLA PRECISION
Forward, Together.

HSS PARALLEL SHANK END MILLS
IS : 6353 (STANDARD SERIES)
HSN CODE - 8207

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SINCE 1937

DIA MM	PRICE (RS.) EACH	IS : 6353 - 1971		IS : 6353 - 1991	
		CEL (MM)	OAL (MM)	CEL (MM)	OAL (MM)
3★	1050	10	42	8★	40
3.5	1050	-	-	10	42
4★	1050	11	43	11★	43
5★	1050	13	47	13★	47
6★	1174	16	52	13★	57
7★	1320	-	-	16★	60
8★	1320	-	-	19★	63
9★	1320	-	-	19★	69
10★	1320	22	67	22★	72
11★	1320	22	67	22★	79
12★	1364	26	76	26★	83
13	1540	26	76	26	83
14	1691	26	76	26★	83
16★	1975	32	88	32★	92
17	2160	32	88	32	92
18★	2401	32	88	32★	92
19	2401	32	88	32	92
20★	2655	38	101	38★	104
21	2979	38	101	38	104
22★	3011	38	101	38★	104
24	3264	38	101	45	121
25★	3511	45	116	45★	121
26	3642	45	116	45	121
27	4284	45	116	45	121
28	4998	45	116	45	121
29	4998	45	116	45	121
30★	5501	45	116	45★	121
32★	6000	63	140	53★	133
33	6647	63	140	53	133
35	7245	70	160	53	133
36	7900	70	160	53	133
37	8514	70	160	53	133
38	9077	70	160	63	155
39	9626	70	160	63	155
40	10223	70	160	63	155
41	10223	70	160	63	155
43	11637	80	180	63	155
45	13038	80	180	63	155
46	13038	90	200	63	155
49	14340	90	200	75	177
50	15776	90	200	75	177
51	15776	90	200	75	177
53	19420	90	200	75	177
54	23006	100	220	75	177
56	27665	100	220	75	177
57	32176	100	220	75	177
59	32176	100	220	75	177
61	34353	110	250	90	192
63	35762	110	250	90	192

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

IMPORTANT NOTES :

1. For non-listed intermediates sizes, the higher price of the nearest listed size will be applicable.
2. LH End Mill Dia 17 mm & above on special request - **25 % extra**
3. Long series End Mills, if required, can be supplied at **30 % extra** subject to the order value being minimum Rs. 50,000/- NETT, per size or minimum 5 Nos. per size whichever is higher.

HSS PARALLEL SHANK END MILLS
HIGH PERFORMANCE
IS : 6353 (STANDARD SERIES)
HSN CODE - 8207

DIA MM	PANTHER PRICE (RS.) EACH	NINJA PRICE (RS.) EACH	IS : 6353 - 1971	
			CEL (MM)	OAL (MM)
3	1314	1891	8	40
4	1314	1891	11	43
5	1314	1891	13	47
6	1467	2112	13	57
7	1650	2376	16	60
8	1650	2376	19	63
9	1650	2376	19	69
10	1650	2376	22	72
11	1650	2376	22	79
12	1704	2456	26	83
14	2114	3043	26	83
16	2468	3554	32	92
18	3001	4322	32	92
20	3319	4779	38	104
22	3764	5422	38	104
25	4389	6323	45	121
28	6249	8998	45	121
32	7499	10801	53	133
36	9876	14220	53	133

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HSS TAPER SHANK END MILLS
IS : 6354 (STANDARD SERIES)
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

DIA MM	PRICE (RS.) EACH	IS : 6354 - 1971 TANGED END		IS : 6354 - 1991 TANPPED END		M T No.
		CEL (MM)	OAL (MM)	OAL (MM)	CEL (MM)	
6	1748	16	90	13	83	1
7	1748	-	-	16	86	1
8	1748	19	93	19	89	1
9	1892	-	-	19	89	1
10	1892	22	96	22	92	1
11	2080	-	-	22	92	1
12	2080	26	100	26	96	1
12★	2716	26	118	26	111	1
14	2872	26	100	26	96	2
14★	3059	26	118	26	111	1
16	3062	32	124	32	117	2
18	3739	32	124	32	117	2
20	4315	38	130	38	123	2
20★	4715	38	150	38	140	2
22	4529	38	130	38	123	3
22★	4943	-	-	38	140	2
25	5337	45	157	45	147	3
26	6646	45	157	45	147	3
28	7432	45	157	45	147	3
30	8173	53	165	45	147	3
32	8676	53	165	53	155	3
32★	8676	53	183	53	178	4
33	10490	53	165	53	155	3
33★	11506	-	-	53	178	4
35	11506	53	165	53	155	3
35★	11506	-	-	53	178	4
36	12501	70	210	53	155	3
36★	13638	-	-	53	178	4
38	13752	63	203	63	188	4
38★	15988	-	-	63	221	5
40	15988	63	203	63	188	4
40★	15988	63	203	63	221	5
41	15988	63	203	63	188	4
41★	17580	-	-	63	221	5
43	17580	63	203	63	188	4
43★	17580	-	-	63	221	5
44	18366	63	203	63	188	4
44★	18366	-	-	63	221	5
45	19751	63	203	63	188	4
45★	19751	-	-	63	221	5
46	20216	63	203	63	188	4
46★	20939	-	-	63	221	5
48	20939	63	203	75	200	4
48★	23547	-	-	75	233	5

DIA MM	PRICE (RS.) EACH	IS : 6354 - 1971 TANGED END		IS : 6354 - 1991 TANPPED END		M T No.
		CEL (MM)	OAL (MM)	OAL (MM)	CEL (MM)	
50	23547	75	215	75	200	4
50★	23547	75	250	75	233	5
51	23547	75	250	75	200	4
51★	32993	-	-	75	233	5
53	32994	75	250	75	200	4
53★	41693	-	-	75	233	5
56	41690	75	250	75	200	4
56★	41690	-	-	75	233	5
60	43755	-	-	75	200	4
60★	43755	75	250	75	233	5
63	52466	90	265	90	248	5

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

- These sizes will be supplied with the smaller MT Shank unless otherwise specified.

IS : 6352 - 1971 1) TYPE 'A' & 'D' - FLATE FACE HELICAL FLUTED
2) TYPE 'B' & 'F' - FLATE FACE STRIGHT FLUTED

IS : 6352 - 1991 1) TYPE 'D' - FLATE FACE HELICAL FLUTED

IMPORTANT NOTES :

1. Type 'A' (IS:6388 - 1971) and Type 'D' (IS:6388 - 1991) will be supplied Unless otherwise specified.
2. Other Type if required can be supplied at the same rate.
3. For non-listed intermediates sizes, the higher price of the nearest listed size will be applicable.
4. Left Hand Cutter at **25 % extra from Dia 14.0 mm & above only.**
5. Standard Series Slot Milling Cutters if required can be supplied at 30 % extra.

BIRLA PRECISION
Forward, Together.

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HSS END MILLS
BS : 122 (PART 1) 1953
HSN CODE - 8207

DIA INCH	PARALLEL SHANK PRICE (RS.) EACH	TAPPED SHANK PRICE (RS.) EACH
1/8	1050	1633
5/32	1050	1633
3/16	1050	1633
7/32	1050	1633
1/4★	1174	1633
9/32	1320	1672
5/16★	1320	1672
3/8★	1320	1817
7/16	1320	1841
1/2★	1364	2080
9/16	1691	2872
5/8★	1975	3062
11/16	2209	3451
3/4★	2401	3644
13/16	2655	4140
7/8	3011	4534
15/16	-	4922

DIA INCH	PARALLEL SHANK PRICE (RS.) EACH	TAPPED SHANK PRICE (RS.) EACH
1★	3511	5294
1.1/8	4998	7385
1.1/4	6000	8676
1.3/8	7245	11506
1.1/2	8484	13752
1.5/8	10223	15988
1.3/4	13038	18366
1.7/8	14374	20939
2	15741	23547
2.1/16	19420	-
2.1/8	23006	32632
2.3/16	27665	-
2.1/4	29931	41688
2.5/16	32176	-
2.3/8	34353	45494
2.1/2	38734	52466

ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL
ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000/- NETT MOQ OR 5 NOS. PER SIZE. WHICHEVER IS HIGHER.

IMPORTANT NOTES :

1. Taper Shank End Mills with Tapped End for size 9/16" and over, if required, can be supplied at the same rate as the Tanged End.
2. Intermediate sizes (non-listed) price of the next larger listed size.
3. Left Hand Cutter at **25 % extra**
   in case of Taper Shank End Mill Dia 11/16" & above with MOQ.
4. For **M35 = 40% & M42 = 80% extra**

HSS PRALLEL SHANK SLOT MILLING CUTTERS
IS : 6352 (SHORT SERIES) / HSN CODE - 8207

DIA MM	PRICE (RS.) EACH	IS : 6352 - 1971		IS : 6352 - 1991	
		CEL (MM)	OAL (MM)	CEL (MM)	OAL (MM)
3	1274	6	40	5	37
3.5	1274	6	40	6	38
4	1274	6	40	7	39
5	1274	8	45	8	42
6★	1364	8	45	8★	52
7	1364	10	50	10	54
8★	1364	10	50	11★	55
9	1364	10	50	11	61
10	1415	12	56	13	63
11	1415	12	56	13	70
12	1544	16	63	16	73
14	1975	16	63	16	73
16	2223	18	70	19	79
18	2736	18	70	19	79
20	2736	20	80	22	88

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HSS PRALLEL SHANK SLOT MILLING CUTTERS
IS : 6352 (SHORT SERIES) / HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

DIA MM	PRICE (RS.) EACH	IS : 6352 - 1971		IS : 6352 - 1991	
		CEL (MM)	OAL (MM)	CEL (MM)	OAL (MM)
22	3191	22	90	22	88
25	3785	25	100	26	102
28	6270	25	100	26	102
32	6568	28	110	32	112
35	7900	32	118	32	112
36	8484	32	118	32	112
38	9148	36	125	38	130
40	9792	36	125	38	130
41	11075	-	-	38	130
42	11075	-	-	38	130
43	12312	-	-	38	130
44	12312	-	-	38	130
45	12312	-	-	38	130
46	13671	-	-	38	130
47	13671	-	-	38	130
48	13671	-	-	45	147
49	14991	-	-	45	147
50	14991	-	-	45	147

ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000/- NETT MOQ OR 5 NOS. PER SIZE. WHICHEVER IS HIGHER.

IS : 6352 - 1971 1) TYPE 'A' - FLATE FACE HELICAL FLUTED
IS : 6352 - 1991 1) TYPE 'A' - FLATE FACE HELICAL FLUTED

IMPORTANT NOTES :

1. Type 'A' will be supplied unless otherwise specified.
2. Other Type if required can be supplied at the same rate.
3. Left Hand Cutter at **25 % extra.**
4. Standard Series Slot Milling Cutter if required can be supplied at **30 % extra,** subject to the order value being minimum Rs. 50,000/- NETT. Or 5 Nos. per size whichever is higher.
5. For **M35 = 40% & M42 = 80% extra.**

HSS TAPER SHANK SLOT MILLING CUTTERS
IS : 6388 (SHORT SERIES) / HSN CODE - 8207

DIA MM	PRICE (RS.) EACH	IS : 6388 - 1971			IS : 6388 - 1991		MT NO.
		CEL (MM)	TANGED END	TAPPED END	TAPPED END		
			OAL (MM)	OAL (MM)	CEL (MM)	OAL (MM)	
6	1946	-	-	-	8	78	1
7	1946	16	90	-	10	80	1
8	2141	16	90	-	11	81	1
9	2141	16	90	-	11	81	1
10	2187	16	90	-	13	83	1
11	2187	16	90	-	13	83	1
12	2441	16	90	-	16	86	1
12★	2855	-	-	-	16	101	2
14	3062	16	90	-	16	86	1
14★	3178	-	-	-	16	101	2
16	3178	18	110	100	19	104	2
18	3644	18	110	100	19	104	2
20	3644	20	114	104	22	107	2
20★	4507	20	-	-	22	124	3

HSS TAPER SHANK SLOT MILLING CUTTERS
IS : 6388 (SHORT SERIES) / HSN CODE - 8207

DIA MM	PRICE (RS.) EACH	IS : 6388 - 1971			IS : 6388 - 1991		MT NO.
		CEL (MM)	TANGED END	TAPPED END	TAPPED END		
			OAL (MM)	OAL (MM)	CEL (MM)	OAL (MM)	
22	4526	22	118	108	22	107	2
22★	5393	-	-	-	22	124	3
25	5391	25	143	130	26	128	3
26	7438	25	143	130	26	128	3
28	7879	25	143	130	26	128	3
32	9445	28	148	135	32	134	3
32★	11387	-	-	-	32	157	4
35	12240	32	179	164	32	134	3
35★	14173	-	-	-	32	157	4
36	14275	32	179	164	32	134	3
36★	14275	-	-	-	32	157	4
38	14275	36	186	171	38	163	4
38★	19649	-	-	-	38	196	5
40	16291	36	186	171	38	163	4
40★	21679	-	-	-	38	196	5

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra**
★ These sizes will be supplied with the smaller MT Shank unless otherwise specified.

IS : 6352 - 1971 **1)** TYPE 'A' & 'D' - FLATE FACE HELICAL FLUTED
2) TYPE 'B' & 'F' - FLATE FACE STRIGHT FLUTED

IS : 6352 - 1991 **1)** TYPE 'D' - FLATE FACE HELICAL FLUTED

IMPORTANT NOTES :

1. Type 'A' (IS : 6388 - 1971) and Type 'D' (IS : 6388 - 1991) will be supplied Unless otherwise specified.
2. Other Type if required can be supplied at the same rate.
3. For non-listed intermediates sizes, the higher price of the nearest listed size will be applicable.
4. Left Hand Cutter at 25 % extra from Dia 14.0mm & above only.
5. Standard Series Slot Milling Cutters if required can be supplied at 30 % extra.

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HSS SLOT DRILLS BS : 122 (PART 1) : 1953
HSN CODE - 8207

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DIA INCH	PARALLEL SHANK PRICE (RS.) EACH	TAPER SHANK PRICE (RS.) EACH
1/8	1274	1752
5/32	1274	1752
3/16	1274	1752
7/32	1360	1917
1/4	1364	2017
5/16	1364	2141
3/8	1364	2141
7/16	1393	2187
1/2	1544	2441
9/16	1975	3062
5/8	2223	3178
11/16	2513	3454

DIA INCH	PARALLEL SHANK PRICE (RS.) EACH	TAPER SHANK PRICE (RS.) EACH
3/4	2736	3644
13/16	3191	4526
7/8	3191	4526
1	3785	5391
1.1/8	5388	7879
1.1/4	6568	9445
1.3/8	7900	12240
1.1/2	9148	14275
1.5/8	11325	-
1.3/4	12312	-
1.7/8	13671	-
2	14990	-

1) Straight flute, Flat Faced, will be supplied unless otherwise specified.
2) Spiral Fluted, Flate faced same rate.
3) Left hand Cutter **25 % extra.**

HSS TAPER SHANK T-SLOT CUTTERS - BS : 122 (PART 1) : 1953
HSN CODE - 8207

NOMINAL SIZE OF BOLT INCH	DIA OF CUTTER INCH	WIDTH OF CUTTER INCH	NO OF MORSE TAPPER SHANK	TAPPED PRICE (RS.) EACH
1/4	37/64	1/4	2	6871
5/16	45/64	5/16	2	7748
3/8	53/64	23/64	2	8471
7/16	61/64	27/64	2	8977
1/2	1.5/64	15/32	2	10844
5/8	1.21/64	37/64	3	17555
3/4	1.33/64	11/16	3	21798
7/8	1.45/64	51/64	3	25708
1	1.61/64	29/32	4	31835
1.1/8	2.1/8	1.1/16	4	41094
1.1/4	2.5/16	1.3/16	4	48884
1.3/8	2.1/2	1.5/16	5	60339
1.1/2	2.3/4	1.7/16	5	77253

HSS TAPER SHANK T-SLOT CUTTERS (STAGGERED TEETH)
IS : 2668 : 1992 / HSN CODE - 8207

NOMINAL SIZE OF T-SLOT MM	DIA OF CUTTER MM	WIDTH MM	PRICE (RS.) EACH
10★	18	8	8553
12★	21	9	9346
14★	25	11	17963
18★	32	14	22489
22	40	18	30128
28	50	22	38854
36	60	28	70018
42	72	35	84970

★ These sizes will be supplied with the smaller MT Shank unless otherwise specified.

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.
For **M35 = 40% & M42 = 80% extra.**

HSS WOODRUFF KEYSLOT CUTTERS
IS 2669 - 1971 (STRAIGHT TEETH TYPE)
HSN CODE - 8207

DIA MM	WIDTH MM	NOM. SIZE OF KEY MM	PRICE (RS.) EACH
16.5	5	5 x 6.5	3129
19.5	5	5 x 7.5	3557
	6	6 x 7.5	3557
22.5	5	5 x 9	4046
	6	6 x 9	4046
	8	8 x 9	4046
28.5	6	6 x 11	6564
	8	8 x 11	6564
	10	10 x 11	6564
32.5	7	7 x 13	7763
	8	8 x 13	7763
	10	10 x 13	7763
45.5	10	10 x 16	13185

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

HSS CUTTERS FOR WOODRUFF KEYSEATS - BS : 122 (PART 1) 1953
HSN CODE - 8207

B. S. CUTTER & KEY NO.	PRICE (RS.) EACH	B. S. CUTTER & KEY NO.	PRICE (RS.) EACH	B. S. CUTTER & KEY NO.	PRICE (RS.) EACH
606	3902	609	6853	1011	9870
607	4582	809	6853	1211	9870
807	4582	1009	6903	812	11150
608	5541	810	8108	1012	11150
808	5541	1010	8108	1212	11150
1008	5541	1210	8108		-

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

HSS FACE CUTTERS : (AS PER TABLE NO 19 OF BSS : 122 : 1938)
HSN CODE - 8207

DIAMETER OF CUTTER INCH	OVERALL LENGTH OF CUTTER INCH	DIAMETER OF BORE INCH	PRICE (RS.) EACH
1.3/4	1.1/4	3/4	7129
2	1.1/4	3/4	8222
2.1/2	1.1/4	3/4	10384
3	1.11/16	1.1/8	14870
4	1.3/4	1.1/8	24869
5	2	1.1/2	41828

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

DAGGER BRAND®
SINCE 1937

HSS KEYWAY MILLING CUTTERS FORM RELIEVED
IS : 6355 (STRAIGHT TEETH TYPE)
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

DIA MM (js16)	BORE MM (H7)	WIDTH MM (D9)	PRICE (RS.) EACH
50	16	5	4649
		6	5027
		8	5336
		10	5571
63	22	6	5460
		8	5710
		10	6280
		12	6817
		14	7218
		16	7755
		18	8335
80	27	6	7636
		8	8137
		10	8686
		12	9724
		14	10508
		16	11165
		18	11793
		20	12537
100	32	6	8992
		8	9651
		10	10508
		12	11443
		14	12311
		16	13248
		18	14020
		20	14326
		22	16005
		25	17096
125	32	8	13778
		10	15070
		12	16437
		14	18116
		16	19321
		18	20936
		20	22171
		22	23615
		25	25853
		32	28026
160	40	10	24830
		12	26142
		14	27855
		16	29824
		18	31740
		20	33866
		22	36061
		25	39148
		28	41333
		32	46777
200	40	12	38446
		14	40616
		16	43194
		18	46238
		20	49497
		22	53185
		25	57335
		28	62135
		32	69162
		36	76182
		40	83416

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

HSS SLOTTING CUTTERS - BS : 122 (PART 1) : 1953 (STRAIGHT TEETH) HSN CODE - 8207

WIDTH OF CUTTER	DIAMETER OF CUTTER PRICE (RS.) EACH					
INCH	2.1/2"	3"	3.1/2"	4"	5"	6"
1/4	3779	4320	5388	6497	10384	13417
5/16	4097	4649	5916	7256	11374	14871
3/8	4372	5002	6396	7920	12373	16307
7/16	4624	5467	6876	9224	13417	17763
1/2	4885	5744	7373	9295	14455	19246
5/8	5467	6467	8395	11620	16437	22164
3/4	5853	7046	9121	11793	18058	24579
7/8	6264	7779	9845	13577	19711	27016
1	6634	8583	10556	13979	21354	29537

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 15 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

HSS SHELL END MILLS - IS : 6257 - 1982 / HSN CODE - 8207

DIA MM (js 16)	BORE (H7)	WIDTH (js 16)	PRICE (RS.) EACH
40	16	32	8272
50	22	36	10058
63	27	40	13243
80	27	45	19560
100	32	50	29863
125	40	56	50070
160	50	63	94505

ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

HSS SHELL END MILLS - BS : 122 (PART 1) : 1953 / HSN CODE - 8207

DIA OF CUTTER INCH	LENGTH OF CUTTER INCH	DIA OF BORE INCH	PRICE (RS.) EACH
1.1/4	1	1/2	5690
1.1/2	1.1/8	1/2	6960
1.3/4	1.1/4	3/4	8271
2	1.3/8	3/4	9403
2.1/4	1.1/2	1	11338
2.1/2	1.5/8	1	13187
2.3/4	1.5/8	1	14991
3	1.3/4	1.1/4	17451
3.1/2	1.7/8	1.1/4	21762
4	2.1/4	1.1/2	32003
4.1/2	2.1/4	1.1/2	38370
5	2.1/4	1.1/2	50070
5.1/2	2.1/4	2	58572
6	2.1/4	2	67554

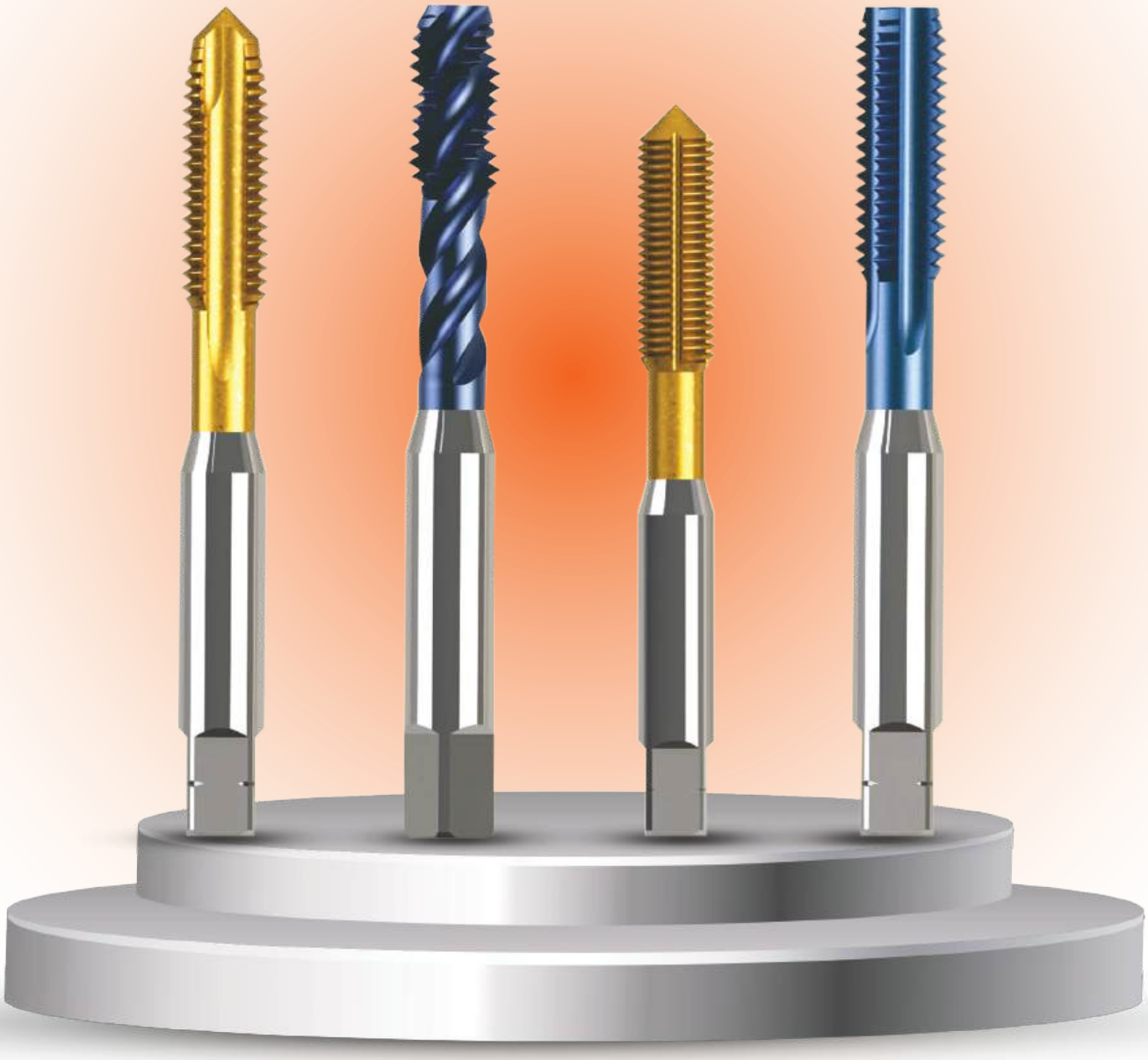
ALL ABOVE ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000 /- NETT OR 5 NOS. PER SIZE WHICHEVER IS HIGHER.

For **M35 = 40% & M42 = 80% extra.**

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

TAPS



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BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

HSS HAND AND SHORT MACHINE TAPS (COARSE PITCH) - NON-SERIAL IS 6175 : 1992 : PART I, PART II & PART III AND HSS NUT TAPS IS : 6175 - 1991 (PART V) (6H TOLERANCE) HSN CODE - 8207

PRICE RS. EACH

	NOM DIA x PITCH	PART I	PART II			PART III			NUT TAPS	PANTHER CI TAPS
		STR FLUTES	STR FLUTES	SPIRAL POINT	SPIRAL FLUTES	STR FLUTES	SPIRAL POINT	SPIRAL FLUTES		
BRIGHT FINISH	M2.0 x 0.40	766	-	-	-	-	-	-	-	-
	M2.2 x 0.45	766	-	-	-	-	-	-	-	-
	M2.3 x 0.40	766	-	-	-	-	-	-	-	-
	M2.5 x 0.45	766	-	-	-	-	-	-	-	-
	M3 x 0.5	-	464	586	634	507	638	747	-	617
	M3.5 x 0.6	-	464	586	634	507	638	747	-	-
	M4 x 0.7	-	464	586	634	507	638	747	-	617
	M4.5 x 0.75	-	500	617	673	538	673	755	-	-
	M5 x 0.8	-	499	617	673	538	673	755	-	650
	M6 x 1.0	-	499	617	673	551	694	761	1061	650
	M8 x 1.25	-	590	716	781	622	791	897	1197	857
	M10 x 1.5	-	723	891	969	730	975	1066	1591	1332
	M12 x 1.75	-	-	-	-	1130	1365	1529	2453	1913
	M14 x 2.00	-	-	-	-	1604	1981	2335	3411	1899
	M16 x 2.00	-	-	-	-	1604	1981	2335	3411	1899
	M18 x 2.5	-	-	-	-	2596	3126	3553	5475	-
	M20 x 2.5	-	-	-	-	3310	3961	4770	7311	-
	M22 x 2.5	-	-	-	-	3544	4222	4957	7480	-
	M24 x 3.0	-	-	-	-	3894	4701	5380	8428	-
	M25 x 3.0	-	-	-	-	4818	-	-	10055	-
	M27 x 3.0	-	-	-	-	5987	-	-	12921	-
	M30 x 3.5	-	-	-	-	6704	-	-	16115	-
	M33 x 3.5	-	-	-	-	8156	-	-	17789	-
	M36 x 4.0	-	-	-	-	11345	-	-	23010	-
	M39 x 4.0	-	-	-	-	13316	-	-	27721	-
	M42 x 4.5	-	-	-	-	15538	-	-	32693	-
	M45 x 4.5	-	-	-	-	20907	-	-	39425	-
	M48 x 5.00	-	-	-	-	22290	-	-	46555	-
	M52 x 5.0	-	-	-	-	27986	-	-	-	-
	M56 x 5.5	-	-	-	-	39825	-	-	-	-
	M60 x 5.5	-	-	-	-	41973	-	-	-	-
	M64 x 6.0	-	-	-	-	44144	-	-	-	-
	M68 x 6.0	-	-	-	-	55085	-	-	-	-

DAGGER BRAND®
SINCE 1937

HSS HAND AND SHORT MACHINE TAPS (COARSE PITCH) - NON-SERIAL IS 6175 : 1992 : PART I, PART II & PART III AND HSS NUT TAPS IS : 6175 - 1991 (PART V) (6H TOLERANCE) HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

	NOM DIA x PITCH	PART I	PART II			PART III			NUT TAPS	PANTHER CI TAPS
		STR FLUTES	STR FLUTES	SPIRAL POINT	SPIRAL FLUTES	STR FLUTES	SPIRAL POINT	SPIRAL FLUTES		
TiN COATING	M2.0 x 0.40	813	-	-	-	-	-	-	-	-
	M2.2 x 0.45	813	-	-	-	-	-	-	-	-
	M2.3 x 0.40	813	-	-	-	-	-	-	-	-
	M2.5 x 0.45	813	-	-	-	-	-	-	-	-
	M3 x 0.5	-	511	632	680	553	686	793	-	-
	M3.5 x 0.6	-	511	674	680	553	686	793	-	-
	M4 x 0.7	-	551	674	721	595	726	834	-	-
	M4.5 x 0.75	-	588	704	760	625	760	843	-	-
	M5 x 0.8	-	586	704	760	625	760	843	-	-
	M6 x 1.0	-	586	704	760	637	780	848	-	-
	M8 x 1.25	-	733	859	924	765	933	1041	-	-
	M10 x 1.5	-	867	1034	1112	873	1119	1208	-	-
	M12 x 1.75	-	-	-	-	1273	1508	1672	-	-
	M14 x 2.00	-	-	-	-	1781	2159	2512	-	-
	M16 x 2.00	-	-	-	-	1899	2277	2630	-	-
	M18 x 2.5	-	-	-	-	3069	3599	4026	-	-
	M20 x 2.5	-	-	-	-	3783	4433	5243	-	-
	M22 x 2.5	-	-	-	-	4132	4810	5546	-	-
	M24 x 3.0	-	-	-	-	4483	5290	5967	-	-

TiN Coated items are supplied against order only

NOTES :

1. Sizes upto M10 will be supplied as per Part II unless otherwise specified.
2. Serial Taps can be supplied at the same price.
3. A Set Consist of Taper, Second & Bottoming.
4. Left Hand Taps at **25% extra**
5. For **M35 = 40% & M42 = 80% extra**

IMPORTANT NOTES : (NUT TAPS - MOQ)

UPTO M10 (50 NOS EACH) OVER M10 - M28 (25 NOS EACH)
OVER M28 - M35 (15 NOS EACH) OVER M35 (10 NOS EACH)

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

HSS HAND AND SHORT MACHINE TAPS (FINE PITCH) NON-SERIAL IS 6175 : 1992 : (6H TOL) PART II & PART III AND HSS NUT TAPS - IS : 6175 - 1991 (PART V) HSN CODE - 8207

PRICE RS. EACH

	NOM DIA x PITCH	PART II			PART III			NUT TAPS	PANTHER CI TAPS
		STR FLUTES	SPIRAL POINT	SPIRAL FLUTES	STR FLUTES	SPIRAL POINT	SPIRAL FLUTES		
BRIGHT FINISH	M3.0x0.35	686	923	-	-	-	-	-	-
	M3.5x0.35	686	923	-	-	-	-	-	-
	M4x0.5	686	834	-	-	-	-	-	-
	M4.5x0.5	673	834	-	-	-	-	-	-
	M5x0.5	673	813	-	-	-	-	-	-
	M6x0.75	681	923	874	752	819	971	1198	851
	M7x0.75	787	923	1038	787	938	-	1523	984
	M8x0.75	-	-	-	-	-	-	-	-
	M8x1.0	713	851	933	787	861	1035	1381	891
	M9x1.0	-	-	-	-	-	-	-	-
	M10x1.0	811	977	1121	907	981	1239	1818	1434
	M10x1.25	811	977	1121	907	981	1239	1818	1434
	M12x1.0	-	-	-	-	-	-	2856	-
	M12x1.25	-	-	-	1319	1499	1770	2856	1648
	M12x1.5	-	-	-	1319	1499	1770	2856	1648
	M14x1.0	-	-	-	-	-	-	4257	-
	M14x1.25	-	-	-	1686	2017	2431	4257	2107
	M14x1.5	-	-	-	1627	2017	2358	4257	2034
	M16x1.0	-	-	-	-	-	-	4257	-
	M16x1.5	-	-	-	1627	2017	2367	4257	2034
	M18x1.0	-	-	-	-	-	-	6325	-
	M18x1.5	-	-	-	2951	3310	3965	6325	-
	M18x2.0	-	-	-	2951	3310	3965	6325	-
	M20x1.5	-	-	-	3684	4144	5067	8109	-
	M20x2.0	-	-	-	3684	4144	5067	8109	-
	M22x1.5	-	-	-	3990	4539	5554	8606	-
	M22x2.0	-	-	-	3990	4539	5554	8606	-
	M24x1.5	-	-	-	4457	4998	6161	10237	-
	M24x2.0	-	-	-	4457	4998	6161	10237	-
	M25x1.5	-	-	-	4774	-	-	11511	-
	M25x2.0	-	-	-	4774	-	-	-	-
	M26x1.5	-	-	-	4977	-	-	-	-
	M26x2.0	-	-	-	4977	-	-	-	-
	M27x1.5	-	-	-	6685	-	-	14502	-
	M27x2.0	-	-	-	6685	-	-	-	-
	M28x1.5	-	-	-	6685	-	-	18060	-
	M28x2.0	-	-	-	6685	-	-	-	-
	M30x1.5	-	-	-	7520	-	-	18060	-
	M30x2.0	-	-	-	7520	-	-	18060	-
	M30x3.0	-	-	-	7520	-	-	-	-
	M32x1.5	-	-	-	7970	-	-	-	-
	M32x2.0	-	-	-	7970	-	-	-	-
	M33x1.5	-	-	-	9180	-	-	-	-
	M33x2.0	-	-	-	9180	-	-	20027	-
	M33x3.0	-	-	-	9180	-	-	-	-

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SINCE 1937

HSS HAND AND SHORT MACHINE TAPS (FINE PITCH) NON-SERIAL IS 6175 : 1992 : (6H TOL) PART II & PART III AND HSS NUT TAPS - IS : 6175 - 1991 (PART V) HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

	NOM DIA x PITCH	PART II			PART III			NUT TAPS	PANTHER CI TAPS
		STR FLUTES	SPIRAL POINT	SPIRAL FLUTES	STR FLUTES	SPIRAL POINT	SPIRAL FLUTES		
TiN COATING	M3.0x0.35	733	969	-	-	-	-	-	-
	M3.5x0.35	733	969	-	-	-	-	-	-
	M4x0.5	773	922	-	-	-	-	-	-
	M4.5x0.5	760	922	-	-	-	-	-	-
	M5x0.5	760	900	-	-	-	-	-	-
	M6x0.75	768	1010	962	839	906	1058	-	-
	M7x0.75	931	1066	1182	931	1081	-	-	-
	M8x0.75	-	-	-	-	-	-	-	-
	M8x1.0	856	995	1076	931	1004	1178	-	-
	M9x1.0	-	-	-	-	-	-	-	-
	M10x1.0	953	1121	1265	1050	1123	1382	-	-
	M10x1.25	953	1121	1265	1050	1123	1382	-	-
	M12x1.0	-	-	-	-	-	-	-	-
	M12x1.25	-	-	-	1462	1641	1913	-	-
	M12x1.5	-	-	-	1462	1641	1913	-	-
	M14x1.0	-	-	-	-	-	-	-	-
	M14x1.25	-	-	-	1863	2194	2608	-	-
	M14x1.5	-	-	-	1804	2194	2535	-	-
	M16x1.0	-	-	-	-	-	-	-	-
	M16x1.5	-	-	-	1923	2312	2662	-	-
	M18x1.0	-	-	-	-	-	-	-	-
	M18x1.5	-	-	-	3424	3783	4438	-	-
	M18x2.0	-	-	-	3424	3783	4438	-	-
	M20x1.5	-	-	-	4157	4617	5540	-	-
	M20x2.0	-	-	-	4157	4617	5540	-	-
	M22x1.5	-	-	-	4578	5127	6142	-	-
	M22x2.0	-	-	-	4578	5127	6142	-	-
	M24x1.5	-	-	-	5045	5586	6748	-	-
	M24x2.0	-	-	-	5045	5586	6748	-	-

TiN Coated items are supplied against order only

NOTES :

1. Sizes upto M10 will be supplied as per Part II unless otherwise specified.
2. Serial Taps can be supplied at the same price.
3. A Set Consist of Taper, Second & Bottoming.
4. Left Hand Taps at **25% extra**
5. For **M35 = 40% & M42 = 80% extra**

IMPORTANT NOTES : (NUT TAPS - MOQ)

UPTO M10 (50 NOS EACH) OVER M10 - M28 (25 NOS EACH)
OVER M28 - M35 (15 NOS EACH) OVER M35 (10 NOS EACH)

HSS HAND & SHORT MACHINE TAPS (FINE PITCH)
NON-SERIAL - 6175 : 1992 : PART III (6H-TOL)
HSN CODE - 8207

PRICE RS. EACH

NOM. DIA x PITCH	STRAIGHT FLUTES
M35 x 1.5	12729
M36 x 1.5	12729
M36 x 2.0	12729
M36 x 3.0	12729
M39 x 1.5	15853
M39 x 2.0	15853
M39 x 3.0	15853
M42 x 1.5	17562
M42 x 2.0	17562
M42 x 3.0	17562
M42 x 4.0	17562
M45 x 1.5	24440
M45 x 2.0	24440
M45 x 3.0	24440
M45 x 4.0	24440
M48 x 1.5	25383
M48 x 2.0	25383
M48 x 3.0	25383
M48 x 4.0	25383
M50 x 1.5	28096
M50 x 2.0	28096
M50 x 3.0	28096
M52 x 1.5	31611
M52 x 2.0	31611
M52 x 3.0	31611

PRICE RS. EACH

NOM. DIA x PITCH	STRAIGHT FLUTES
M52 x 4.0	31611
M56 x 1.5	43354
M56 x 2.0	43354
M56 x 3.0	43354
M56 x 4.0	43354
M60 x 1.5	45852
M60 x 2.0	45852
M60 x 3.0	46688
M60 x 4.0	46688
M64 x 1.5	49018
M64 x 2.0	49018
M64 x 3.0	49687
M64 x 4.0	49687
M68 x 1.5	62028
M68 x 2.0	62028
M68 x 3.0	62526
M68 x 4.0	62526
M72 x 6.0	74325
M76 x 6.0	90718
M80 x 6.0	109797
M85 x 6.0	135141
M90 x 6.0	168856
M95 x 6.0	212529
M100 x 6.0	262571

ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT MOQ OR 5 NOS. PER SIZE. WHICHEVER IS HIGHER.

NOTES :

1. Sizes upto M 10 will be supplied as per Part II unless otherwise specified.
2. Serial Taps can be supplied at the same price.
3. A Set Consist of Taper & Bottoming.
4. Left Hand Taps at **25% extra**
5. For **M35= 40% & M42 = 80% extra**

NOTES: (NUT TAPS - MOQ)

UPTO M10 - (50 NOS EACH)
OVER M10 - M28 (25 NOS EACH)
OVER M28 - M35 (15 NOS EACH)
OVER M35 (10 NOS EACH)

DAGGER BRAND®
SINCE 1937

HSS LONG MACHINE TAPS (COARSE PITCH)
IS 6175 : 1991 : PART IV : (6H - TOL)
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

NOM. DIA x PITCH	STR FLUTES TYPE 'A','C','D'.	SPIRAL POINT TYPE 'B'.	SPIRAL FLUTES TYPE 'C'
M3 x 0.5	1017	1174	1192
M4 x 0.7	1017	1174	1192
M5 x 0.8	735	861	897
M6 x 1.0	786	925	972
M8 x 1.25	851	1017	1051
M10 x 1.5	1080	1239	1318
M12 x 1.75	1508	1751	1919
M14 x 2.0	2170	2524	2906
M16 x 2.0	2170	2524	2906
M18 x 2.5	3355	3876	4371
M20 x 2.5	4168	4788	5207
M22 x 2.5	4629	5380	5244
M24 x 3.0	5111	5971	6511

PRICE RS. EACH

NOM. DIA x PITCH	STR FLUTES TYPE 'A','C','D'.	SPIRAL POINT TYPE 'B'.	SPIRAL FLUTES TYPE 'C'
M27 x 3.0	7445		
M30 x 3.5	8445		
M33 x 3.5	9959		
M36 x 4.0	13423		
M39 x 4.0	15702		
M42 x 4.5	18382		
M45 x 4.5	24120		
M48 x 5.0	27031		
M52 x 5.0	31265		
M56 x 5.5	41453		
M60 x 5.5	47493		
M64 x 6.0	53579		
M68 x 6.0	74675		

ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000/- NETT MOQ OR 5 NOS. PER SIZE. WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

IMPORTANT NOTES :
MACHINE TAPS
Type 'A' - 5 Deg Taper angle with Longer taper lead
Type 'B' - 10 Deg Taper angle with Spiral point
Type 'C' - 20 Deg Taper angle with Shorter taper lead
Type 'D' - 10 Deg Taper angle without Spiral point

HSS LONG SHANK MACH. TAPS TO DIN - 2183
BSW / UNC / BSF / UN / NF (TYPE A, B & C)
HSN CODE - 8207

PRICE RS. EACH

SIZE INCH	PRICE (RS.) EACH TYPE 'A' & 'C'	PRICE (RS.) EACH TYPE 'B'
1/8	719	840
3/16	791	902
1/4	801	953
5/16	930	1080
3/8	1119	1408
7/16	1331	1574
1/2	1578	1817
5/8	2313	2673
3/4	3031	4144
7/8	4859	5430

PRICE RS. EACH

SIZE INCH	PRICE (RS.) EACH TYPE 'A' & 'C'	PRICE (RS.) EACH TYPE 'B'
1	6086	6422
1.1/8	8111	8685
1.1/4	9781	10565
1.1/2	15244	15935
1.3/8	15244	15935
1.5/8	18212	18927
1.3/4	21152	21913
1.7/8	25842	26536
2	30549	31216

BIRLA PRECISION
Forward, Together.

HSS LONG SHANK MACHINE TAPS (FINE PITCH)
IS 6175 : 1991 : PART IV : (6H -TOL)
HSN CODE - 8207

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PRICE RS. EACH

NOM. DIA x PITCH	STRAIGHT FLUTES TYPE 'A','C','D'	SPIRAL POINT TYPE 'B'
M3 x 0.35	1381	1482
M3.5 x 0.35	1381	1482
M4 x 0.5	1381	1482
M4.5 x 0.5	893	1049
M5 x 0.5	893	1049
M6 x 0.75	893	1049
M7 x 0.75	1022	1184
M8 x 1.0	939	1120
M10 x 1.0	1130	1309
M10 x 1.25	1149	1331
M12 x 1.25	1638	1892
M12 x 1.5	1638	1892
M14 x 1.25	2142	2533
M14 x 1.5	2142	2533
M16 x 1.5	2098	2581
M18 x 1.5	3690	4478
M18 x 2.0	3690	4478
M20 x 1.5	4824	5696
M20 x 2.0	4824	5696
M22 x 1.5	5002	5914
M22 x 2.0	5002	5914
M24 x 1.5	5590	6594
M24 x 2.0	5590	6594
M25 x 1.5	7117	8410
M25 x 2.0	7117	8410
M26 x 1.5	7275	8587
M26 x 2.0	7275	8587
M27 x 1.5	8766	10021
M27 x 2.0	8766	10021
M28 x 1.5	9530	10867
M28 x 2.0	9530	10867
M30 x 1.5	9865	
M30 x 2.0	9865	
M30 x 3.0	9865	
M32 x 1.5	10835	
M32 x 2.0	10835	
M33 x 1.5	11932	
M33 x 2.0	11932	
M33 x 3.0	11932	
M35 x 1.5	16679	
M36 x 1.5	16679	
M36 x 2.0	16679	
M36 x 3.0	16679	
M39 x 1.5	20507	
M39 x 2.0	20507	

PRICE RS. EACH

NOM. DIA x PITCH	STRAIGHT FLUTES TYPE 'A','C','D'	SPIRAL POINT TYPE 'B'
M39 x 3.0	20507	
M40 x 1.5	21926	
M40 x 2.0	21926	
M40 x 3.0	21926	
M42 x 1.5	22579	
M42 x 2.0	22579	
M42 x 3.0	22579	
M42 x 4.0	22579	
M45 x 1.5	31479	
M45 x 2.0	31479	
M45 x 3.0	31479	
M45 x 4.0	31479	
M48 x 1.5	33180	

NOM. DIA X PITCH	STRAIGHT FLUTES TYPE 'A','C','D'.
M48 x 2.0	33180
M48 x 3.0	33180
M48 x 4.0	33180
M50 x 1.5	38350
M50 x 2.0	38350
M50 x 3.0	38350
M52 x 1.5	41019
M52 x 2.0	41019
M52 x 3.0	41019
M52 x 4.0	41019

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Forward, Together.

HSS PIPE TAPS
NPS NPT NPSF - BS : 949 - 1969
BSP BS : 949 - 1957
BSPT BS : 949 PART III - 1982
HSN CODE - 8207

TAP SIZE	PRICE (RS.) EACH					
	PARALLEL THREAD			TAPER THREAD		
INCH	BSP	NPS	NPSF	BSPT	NPT	NPTF
1/16	-	-	-	-	946	946
1/8	774	879	1066	989	1021	1217
1/4	1208	1523	1879	1771	1859	2294
3/8	1781	1873	2320	2342	2453	2777
1/2	2595	2788	3374	3367	3534	4003
5/8	2936	-	-	-	-	-
3/4	4181	4386	5395	5470	5551	6416
7/8	5216	-	-	-	-	-
1	6573	7323	8955	8504	8730	9978
1.1/4	9871	11537	-	12467	12621	14700
1.1/2	12317	14257	-	15289	16299	-
1.3/4	18841	-	-	-	-	-
2	22110	25477	-	26859	28228	-
2.1/4	38243	-	-	-	-	-
2.1/2	55177	-	-	80535	81795	-
2.3/4	61578	-	-	-	-	-
3	71489	-	-	105370	106226	-
3.1/2	93042	-	-	138892	139130	-
4	116953	-	-	175075	178315	-

IMPORTANT NOTES :

BSP(P), BSP(T), NPS NPT NPTS NPTF

A set consists of 2 Taps (Taper & Plug) , we can also supply BSP (P) Taps to new BS 949 : Part - III - 1982 (G Series) at the same rate as per order.

HSS HAND TAPS BA - BS : 949 : 1969 AND HSS NUT TAPS
BA - BA : 949 - 1969
HSN CODE - 8207

SIZE BA	PRICE (RS.) EACH		
	STRAIGHT FLUTES	SPIRAL POINT	NUT TAPS
0	571	715	1166
1	571	715	1166
2	485	650	1012
3	485	650	1012
4★	485	650	1012
5	485	650	1119
6	538	699	1240

ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000/- NETT MOQ OR 50 NOS. PER SIZE. WHICHEVER IS HIGHER.
For **M35 = 40% & M42 = 80% extra.**

HSS GROUND THREAD TAPS :
STANDARD HAND & SHORT MACHINE TAPS :
B.S.B. (BRITISH STANDARD BRASS) WHITWORTH FORM
B.S.CY. (BRITISH STANDARD CYCLE) 60° THREAD FORM
B.S. : 949 - 1969
HSN CODE - 8207

B.S. CY SIZE INCH	TPI	PRICE (RS.) EACH	
		STR. FLUTES	SPIRAL POINTED
3/16	32	545	668
1/4	26	589	681
5/16	26	735	838
3/8	26	893	1021
7/16	26	1121	1348
1/2	26	1389	1620
9/16	26	2223	2456
1	24	4630	-
1.370	24	9786	-

B.S. B SIZE INCH	TPI	PRICE (RS.) EACH	
		STR. FLUTES	SPIRAL POINTED
1/4	26	572	671
5/16	26	758	864
3/8	26	864	991
7/16	26	1147	1365
1/2	26	1414	1645
9/16	26	2204	2427
5/8	26	2204	-
3/4	26	2997	-
1	26	4614	-

HSS GROUND THREAD TAPS :
STANDARD HAND & SHORT MACHINE TAPS :
B.S. CON (BRITISH STANDARD CONDUIT) WHITWORTH FORM B.S. : 949 - 1969 (ZONE - 3)
HSN CODE - 8207

B.S. CON SIZE INCH	TPI	PRICE (RS.) EACH	
		STR. FLUTES	SPIRAL POINTED
1/2	18	1483	1483
-	-	-	-
5/8	18	2268	-
3/4	16	3152	-
1	16	4914	-
1.1/4	16	7135	-
-	-	-	-
1.1/2	14	11412	-
2	14	19951	-

PRICES FOR LPG CYLINDER 3/4 NGT TAPS :	EACH (RS.)
1. 3/4" - 14 NGT tap interrupted 5 flutes to our Drg.No. M22 - 531	**7084**
2. 3/4" - 14 NGT tap interrupted 5 flutes to our Drg.No. M22 - 574	**7799**
3. 3/4" - 14 NGT tap interrupted 5 flutes to our Drg.No. M22 - 535	**6770**
4. 3/4" - 14 NGT tap NON-interrupted 4 flutes to our Drg.No. M22 - 535	**5414**

PRICES FOR LPG CYLINDER BSGT TAPS :	EACH (RS.)
0.715" x 14 TPI - BSGT Tap Interrupted 5 flutes to our Drg. No. SKT-012	**7951**
0.715" x 14 TPI - BSGT Tap NON-Interrupted 4 flutes to our Drg. No. SKT- 012	**6936**

IMPORTANT NOTES :

ALL NGT & BSGT TAPS ARE SUBJECT TO ORDER VALUE BEING MINIMUM ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF Rs. 50,000/- NETT MOQ OR 15 NOS. PER SIZE. WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

Prices for all TiN and TiAln Taps will be given on specific request.

HSS HAND TAPS BSW, BSF, UNC, UNF AND HSS NUT TAPS
B.S. : 949 - 1969
HSN CODE - 8207

SIZE INCH	PRICE (RS.) EACH			
	STRAIGHT FLUTES	SPIRAL POINT	SPIRAL FLUTES	NUT TAPS
1/8	487	581	-	-
3/16	487	598	-	1049
1/4	505	607	706	1189
5/16	571	707	782	1488
3/8	695	851	970	1962
7/16	889	1096	1274	2433
1/2	1125	1350	1556	3380
9/16	1627	1985	2393	3380
5/8	1627	1985	2393	4386
11/16	-	-	-	4606
3/4	2576	3085	3647	5414
7/8	3553	4280	4983	7416
1	4493	5192	5959	9644
1.1/8	6084	-	-	12987
1.1/4	7314	-	-	16099
1.3/8	9446	-	-	19158
1.1/2	11340	-	-	22957
1.5/8 (BSF ONLY)	13361	-	-	25838
1.3/4	15716	-	-	32293
2	22288	-	-	46022
2.1/4	33226	-	-	-
2.1/2	43719	-	-	-
2.3/4	54540	-	-	-
3	73232	-	-	-

A set consist of Taper, Second & Bottoming

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

HSS NIB TAPS (CORSE PITCH) TO OUR STANDARD HSN CODE - 8207

NOM DIA x PITCH	STRAIGHT FLUTES PRICE (RS.) EACH
M4 x 0.7	686
M5 x 0.8	735
M6 x 1.0	819
M8 x 1.25	857
M10 x 1.5	1079
M12 x 1.75	1263
M14 x 2.0	2192
M16 x 2.0	2192
M18 x 2.5	3611
M20 x 2.5	4827

NOM DIA x PITCH	STRAIGHT FLUTES PRICE (RS.) EACH
1/8" BSW	734
5/32" BSW	749
3/16" BSW	749
1/4" BSW	765
5/16" BSW	857
3/8" BSW	1079
7/16" BSW	1513
1/2" BSW	1513
9/16" BSW	2192
5/8" BSW	2192

ITEM MARKED ★ ARE EX-STOCK ITMS ALL REMAINNING ITEMS WILL ATTRACT MINIMUM ORDER VALUE OF RS. 50,000/- NETT MOQ OR 25 NOS. PER SIZE. WHICHEVER IS HIGHER.

FOR **M35 = 40% & M42 = 80% extra.**

HSS-E PANTHER SERIES TAPS TO IS 6175 - PART - II & PART - IV AND DIN - 371 HSN CODE - 8207

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - II & DIN 371				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESSOIL GROOVES
Bright / Steam Tempered	M3 x 0.5	801	897	667		
	M4 x 0.7	801	897	667	1402	1547
	M5 x 0.8	835	946	702	1402	1547
	M6 x 1.0	835	946	702	1402	1547
	M8 x 1.0	1113	1357	925	1946	2032
	M8 x 1.25	937	1070	774	1620	1694
	M10 x 1.25	1340	1536	1120	1981	2071
	M10 x 1.50	1154	1331	962	1981	2071
	M12 x 1.75					
	M14 x 2.0					
	M16 x 1.5					
	M16 x 2.0					

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HSS-E PANTHER SERIES TAPS TO IS 6175 - PART - II & PART - IV AND DIN - 371 HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - II & DIN 371				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESSOIL GROOVES
Tin - Coating	M3 x 0.5	878	986	727		
	M4 x 0.7	878	986	727	1512	1653
	M5 x 0.8	917	1040	767	1512	1653
	M6 x 1.0	917	1040	767	1512	1653
	M8 x 1.0	1199	1462	998	2071	2159
	M8 x 1.25	1025	1172	851	1748	1820
	M10 x 1.25	1470	1686	1224	2133	2224
	M10 x 1.50	1269	1458	1054	2085	2224
	M12 x 1.75					
	M14 x 2.0					
	M16 x 1.5					
	M16 x 2.0					

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - II & DIN 371				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESSOIL GROOVES
TiCN / Ti (Al) N	M3 x 0.5	953	1074	791		
	M4 x 0.7	953	1074	791	1625	1766
	M5 x 0.8	997	1130	833	1625	1766
	M6 x 1.0	997	1130	833	1625	1766
	M8 x 1.0	1290	1561	1073	2198	2287
	M8 x 1.25	1115	1274	923	1873	1948
	M10 x 1.25	1599	1833	1333	2288	2377
	M10 x 1.50	1375	1582	1146	2287	2377
	M12 x 1.75					
	M14 x 2.0					
	M16 x 1.5					
	M16 x 2.0					

HSS-E PANTHER SERIES TAPS TO IS 6175 - PART - II & PART - IV AND DIN - 371 HSN CODE - 8207

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - IV				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
Bright / Steam Tempered	M6 x 1.0	1331		1108		
	M8 x 1.0					
	M8 x 1.25	1415		1182		
	M10 x 1.25					
	M10 x 1.5	1724		1438		
	M12 x 1.75	2504		2066		
	M14 x 2.0					
	M16 x 1.5					
	M16 x 2.0					

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - IV				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
Tin - Coating	M6 x 1.0	1458		1214		
	M8 x 1.0					
	M8 x 1.25	1548		1291		
	M10 x 1.25					
	M10 x 1.5	1887		1578		
	M12 x 1.75	2740		2260		
	M14 x 2.0					
	M16 x 1.5					
	M16 x 2.0					

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - IV				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
TiCN / Ti (Al) N	M6 x 1.0	1582		1319		
	M8 x 1.0					
	M8 x 1.25	1685		1404		
	M10 x 1.25					
	M10 x 1.5	2052		1717		
	M12 x 1.75	2978		2457		
	M14 x 2.0					
	M16 x 1.5					
	M16 x 2.0					

* MINIMUM ORDER VALUE OF Rs 50,000/- NETT OR MOQ 10 NO'S PER SIZE WHICH EVER IS HIGHER

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HSS-E PANTHER SERIES TAPS TO IS 6175 PART - III & DIN - 374 AND DIN - 376 HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - III				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESSOIL GROOVES
Bright / Steam Tempered	M3 x 0.5					
	M4 x 0.7					
	M5 x 0.8					
	M6 x 1.0					
	M8 x 1.0					
	M8 x 1.25					
	M10 x 1.25					
	M10 x 1.50					
	M12 x 1.75	1814	2090	1534		3413
	M14 x 2.0	2467	2817	2051		4720
	M16 x 1.5	2478	2840	2066		5053
	M16 x 2.0	2467	2817	2051		5053
	M18 x 2.5	3580	4091	2976		
	M20 x 1.5	5999	7799	5386		
	M20 x 2.5	4718	5390	3921		9451

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - III				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESSOIL GROOVES
Tin - Coating	M3 x 0.5					
	M4 x 0.7					
	M5 x 0.8					
	M6 x 1.0					
	M8 x 1.0					
	M8 x 1.25					
	M10 x 1.25					
	M10 x 1.50					
	M12 x 1.75	1985	2289	1682		3585
	M14 x 2.0	2703	3088	2249		5029
	M16 x 1.5	2714	3436	2260		5363
	M16 x 2.0	2703	3088	2249		5363
	M18 x 2.5	3809	4320	3204		
	M20 x 1.5	6799	8654	6053		
	M20 x 2.5	5027	5704	4233		9777

HSS-E PANTHER SERIES TAPS TO IS 6175 PART - III & DIN - 374 AND DIN - 376 HSN CODE - 8207

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - III				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
TiCN / Ti (Al) N	M3 x 0.5					
	M4 x 0.7					
	M5 x 0.8					
	M6 x 1.0					
	M8 x 1.0					
	M8 x 1.25					
	M10 x 1.25					
	M10 x 1.50					
	M12 x 1.75	2159	2485	1827		3860
	M14 x 2.0	2938	3361	2444		5338
	M16 x 1.5	2950	3705	2457		5672
	M16 x 2.0	2938	3361	2444		5672
	M18 x 2.5	4034	4550	3430		
	M20 x 1.5	7599	9511	6719		
	M20 x 2.5	5336	6012	4542		10104

PRICE RS. EACH

	NOM DIA X PITCH	DIN - 374 / DIN - 376				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
Bright / Steam Tempered	M6 x 1.0					
	M8 x 1.0	1513	2033	1303	2405	
	M8 x 1.25					
	M10 x 1.25	1895	2320	1548	2942	
	M10 x 1.5					
	M12 x 1.75	2504	3359	2066		4370
	M14 x 2.0	3437	4602	2832		5999
	M16 x 1.5	3607	4738	2965		
	M16 x 2.0	3437	4602	2832		5999
	M18 x 2.5	5570	7242	4863		
	M20 x 1.5					
	M20 x 2.5	6850	8903	5973		

DAGGER BRAND®
SINCE 1937

HSS-E PANTHER SERIES TAPS TO IS 6175 PART - III & DIN - 374 AND DIN - 376 HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

	NOM DIA X PITCH	DIN - 374 / DIN - 376				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
Tin - Coating	M6 x 1.0					
	M8 x 1.0	1647	2187	1414	2577	2686
	M8 x 1.25					
	M10 x 1.25	2064	2510	1685	3148	3285
	M10 x 1.5					
	M12 x 1.75	2740	3632	2260		4746
	M14 x 2.0	3634	4801	3033		6217
	M16 x 1.5	3889	4847	3212		7126
	M16 x 2.0	3634	4801	3033		6217
	M18 x 2.5	5799	7468	5091		
	M20 x 1.5					
	M20 x 2.5	7159	9212	4691		

PRICE RS. EACH

	NOM DIA X PITCH	DIN - 374 / DIN - 376				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
TiCN / Ti (Al) N	M6 x 1.0					
	M8 x 1.0	1782	2341	1526	2751	2857
	M8 x 1.25					
	M10 x 1.25	2225	2705	1821	3356	3489
	M10 x 1.5					
	M12 x 1.75	2978	3903	2457		5120
	M14 x 2.0	3836	5004	3233		6433
	M16 x 1.5	4208	4982	3480		7493
	M16 x 2.0	3836	5004	3233		6433
	M18 x 2.5	6025	7697	5317		
	M20 x 1.5					
	M20 x 2.5	7469	9525	6593		

* MINIMUM ORDER VALUE OF Rs 50,000/- NETT OR MOQ 10 NO'S PER SIZE WHICH EVER IS HIGHER

HSS (M42) NINJA SERIES TAPS
HSN CODE - 8207

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - II & PART III				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
Bright / Steam Tempered	M3 x 0.5	1071	1201	892		
	M4 x 0.7	1071	1201	892		
	M5 x 0.8	1120	1269	940		
	M6 x 1.0	1120	1269	940		
	M8 x 1.0	1299	1818	1036		
	M8 x 1.25	-	-	-		
	M10 x 1.25	1548	1782	1290		
	M10 x 1.5	2428	2804	2056		
	M12 x 1.75	3325	3817	2768		
	M14 x 2.0	3308	3775	2747		
	M16 x 1.5	4838	3806	2766		
	M16 x 2.0	3308	3775	2747		

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - II & PART III				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
Tin - Coating	M3 x 0.5	1176	1322	975		
	M4 x 0.7	1176	1322	975		
	M5 x 0.8	1228	1392	1030		
	M6 x 1.0	1228	1392	1030		
	M8 x 1.0	1374	1571	1140		
	M8 x 1.25	-	-	-		
	M10 x 1.25	1699	1953	1412		
	M10 x 1.5	2660	3068	2253		
	M12 x 1.75	3644	4344	3034		
	M14 x 2.0	3623	4139	3014		
	M16 x 1.5	3637	4602	3029		
	M16 x 2.0	3623	4139	3014		

DAGGER BRAND®
SINCE 1937

HSS (M42) NINJA SERIES TAPS
HSN CODE - 8207

BIRLA PRECISION
Forward, Together.

PRICE RS. EACH

	NOM DIA X PITCH	IS : 6175 - PART - II & PART III				
		SPPT	SPIRAL	CAST IRON	FLUTELESS	FLUTELESS OIL GROOVES
TiCN / Ti (Al) N	M3 x 0.5	1279	1440	1058		
	M4 x 0.7	1279	1440	1058		
	M5 x 0.8	1336	1514	1117		
	M6 x 1.0	1336	1514	1117		
	M8 x 1.0	1494	1710	1238		
	M8 x 1.25	-	-	-		
	M10 x 1.25	1843	2122	1535		
	M10 x 1.50	2895	3332	2449		
	M12 x 1.75	3958	4706	3295		
	M14 x 2.0	3938	4504	3272		
	M16 x 1.5	3953	4965	3292		
	M16 x 2.0	3938	4504	3272		

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

MASONARY DRILLS - CARBIDE TIPPED (GROUND FLUTED & BRIGHT PLATED) TO OUR STANDARD / HSN CODE - 8207

SIZE		FLUTE LENGTH	OVER ALL LENGTH	PRICE (RS.) EACH	
MM	INCH			STANDARD	DELUXE
3	1/8★	40	76	83	98
4	5/32	45	85	99	117
5	3/16★	45	87	134	162
5.5	7/32★	45	87	152	181
6	15/64	60	107	187	225
6.5	1/4	60	107	196	233
7	9/32	60	107	284	340
8	5/16	80	120	331	398
9	11/32	80	120	478	658
10	3/8	80	120	488	583
11	7/16	115	160	643	773
12	15/32	115	160	875	1049
13	1/2	115	160	875	1049

ITEMS MARKED ★ ARE EX-STOCK.

HSS HATHYAR TOOL BITS (BLANKS) HSN CODE - 7228

SIZE		PRICE (RS.) EACH		
MM	INCH	HATHYAR 600	HATHYAR 900	HATHYAR 1000
5 x 75	3/16 x 3	212	545	-
5 x 100	3/16 x 4	278	798	-
5 x 150	3/16 x 6	431	1692	-
6 x 75	1/4 x 3	242	729	984
6 x 100	1/4 x 4	281	974	984
6 x 150	1/4 x 6	407	1583	1596
6 x 200	1/4 x 8	584	2702	-
8 x 75	5/16 x 3	269	941	-
8 x 100	5/16 x 4	342	1287	-
8 x 150	5/16 x 6	575	2073	2093
8 x 200	5/16 x 8	731	2949	-
	3/8 x 3	336	1106	1176
	3/8 x 4	407	1466	1583
	3/8 x 6	632	2361	2498
	3/8 x 8	866	3375	3576
	3/8 x 10	1115	4461	-
10 x 75		372	1220	-
10 x 100		444	1641	-
100 x 150		687	2568	-
10 x 200		957	3611	-
10 x 250		1214	4767	-
12 x 75	1/2 x 3	504	1811	-
12 x 100	1/2 x 4	632	2366	2513
12 x 150	1/2 x 6	969	3726	3885
12 x 200	1/2 x 8	1277	5202	5415

DAGGER BRAND®
SINCE 1937

HSS HATHYAR TOOL BITS (BLANKS)
HSN CODE - 7228

BIRLA PRECISION
Forward, Together.

SIZE		PRICE (RS.) EACH		
MM	INCH	HATHYAR 600	HATHYAR 900	HATHYAR 1000
12 x 250	1/2 x 10	1940	7167	-
16 x 100	5/8 x 4	1004	3794	-
16 x 150	5/8 x 6	1484	5853	6179
16 x 200	5/8 x 8	2007	8217	-
	3/4 x 4	1392	5486	8580
	3/4 x 6	2034	8066	-
	3/4 x 8	2780	11058	-
20 x 100		1518	6008	-
20 x 150		2214	8999	-
20 x 200		3029	11987	-
25 x 150	1 x 6	3428	13532	-
25 x 200	1 x 8	4658	17996	-

Prices HSS M35 (5% Cobalt) and HSS M42 (8% Cobalt) will be given on only request.

1. Item marked ★are Ex-Stock, other sizes againest specific orders.
2. Quantity to be ordered in multiple of 10 only for sizes upto and including 1/2" square.
3. Minimum order value of Rs. 50,000/- Nett or MOQ 20 Nos. per size whichever is higher.

DECIMAL EQUIVALENTS

FRACTIONS OF AN INCH EXPRESSED AS MILLIMETERS

FRACTIONAL INCH	MM	FRACTIONAL INCH	MM	FRACTIONAL INCH	MM	FRACTIONAL INCH	MM
1/64	0.3969	1 1/64	25.797	2 1/64	51.197	3 1/64	76.597
1/32	0.7938	1 1/32	26.194	2 1/32	51.594	3 1/32	76.994
3/64	1.1906	1 3/64	26.591	2 3/64	51.991	3 3/64	77.391
1/16	1.5875	1 1/16	26.988	2 1/16	52.388	3 1/16	77.788
5/64	1.9844	1 5/64	27.384	2 5/64	52.784	3 5/64	78.184
3/32	2.3813	1 3/32	27.781	2 3/32	53.181	3 3/32	78.581
7/64	2.7781	1 7/64	28.178	2 7/64	53.578	3 7/64	78.978
1/8	3.1750	1 1/8	28.575	2 1/8	53.975	3 1/8	79.375
9/64	3.5719	1 9/64	28.972	2 9/64	54.372	3 9/64	79.772
5/32	3.9688	1 5/32	29.369	2 5/32	54.769	3 5/32	80.169
11/64	4.3656	1 11/64	29.766	2 11/64	55.166	3 11/64	80.566
3/16	4.7625	1 3/16	30.163	2 3/16	55.563	3 3/16	80.963
13/64	5.1594	1 13/64	30.559	2 13/64	55.959	3 13/64	81.359
7/32	5.5563	1 7/32	30.956	2 7/32	56.356	3 7/32	81.756
15/64	5.9531	1 15/64	31.353	2 15/64	56.753	3 15/64	82.153
1/4	6.3500	1 1/4	31.750	2 1/4	57.150	3 1/4	82.550
17/64	6.7469	1 17/64	32.147	2 17/64	57.547	3 17/64	82.947
9/32	7.1438	1 9/32	32.544	2 9/32	57.944	3 9/32	83.344
19/64	7.5406	1 19/64	32.941	2 19/64	58.341	3 19/64	83.741
5/16	7.9375	1 5/16	33.338	2 5/16	58.738	3 5/16	84.138
21/64	8.3344	1 21/64	33.734	2 21/64	59.134	3 21/64	84.534
11/32	8.7313	1 11/32	34.131	2 11/32	59.531	3 11/32	84.931
23/64	9.1281	1 23/64	34.528	2 23/64	59.928	3 23/64	85.328
3/8	9.5250	1 3/8	34.925	2 3/8	60.325	3 3/8	85.725
25/64	9.9219	1 25/64	35.322	2 25/64	60.722	3 25/64	86.122
13/32	10.3188	1 13/32	35.719	2 13/32	61.119	3 13/32	86.519
27/64	10.7156	1 27/64	36.116	2 27/64	61.516	3 27/64	86.916
7/16	11.1125	1 7/16	36.513	2 7/16	61.913	3 7/16	87.313
19/64	7.5406	1 19/64	32.941	2 19/64	58.341	3 19/64	83.741
15/32	11.9063	1 15/32	37.306	2 15/32	62.706	3 15/32	88.106
31/64	12.3031	1 31/64	37.703	2 31/64	63.103	3 31/64	88.503
1/2	12.7000	1 1/2	38.100	2 1/2	63.500	3 1/2	88.900
33/64	13.0969	1 33/64	38.497	2 33/64	63.897	3 33/64	89.297
17/32	13.4938	1 17/32	38.894	2 17/32	64.294	3 17/32	89.694
35/64	13.8906	1 35/64	39.291	2 35/64	64.691	3 35/64	90.091
9/16	14.2875	1 9/16	39.688	2 9/16	65.088	3 9/16	90.488
37/64	14.6844	1 37/64	40.084	2 37/64	65.484	3 37/64	90.884
19/32	15.0813	1 19/32	40.481	2 19/32	65.881	3 19/32	91.281
39/64	15.4781	1 39/64	40.878	2 39/64	66.278	3 39/64	91.678
5/8	15.8750	1 5/8	41.275	2 5/8	66.675	3 5/8	92.075
41/64	16.2719	1 41/64	41.672	2 41/64	67.072	3 41/64	92.472
21/32	16.6688	1 21/32	42.069	2 21/32	67.469	3 21/32	92.869
43/64	17.0656	1 43/64	42.466	2 43/64	67.866	3 43/64	93.266
11/16	17.4625	1 11/16	42.863	2 11/16	68.263	3 11/16	93.663
45/64	17.8594	1 45/64	43.259	2 45/64	68.659	3 45/64	94.059
23/32	18.2563	1 23/32	43.656	2 23/32	69.056	3 23/32	94.456

DECIMAL EQUIVALENTS

FRACTIONS OF AN INCH EXPRESSED AS MILLIMETERS

FRACTIONAL INCH	MM	FRACTIONAL INCH	MM	FRACTIONAL INCH	MM	FRACTIONAL INCH	MM
47/64	18.6531	1 47/64	44.053	2 47/64	69.453	3 47/64	94.853
3/4	19.0500	1 3/4	44.450	2 3/4	69.850	3 3/4	95.250
49/64	19.4469	1 49/64	44.847	2 49/64	70.247	3 49/64	95.647
25/32	19.8438	1 25/32	45.244	2 25/32	70.644	3 25/32	96.044
51/64	20.2406	1 51/64	45.641	2 51/64	71.041	3 51/64	96.441
13/16	20.6375	1 13/16	46.038	2 13/16	71.438	3 13/16	96.838
53/64	21.0344	1 53/64	46.434	2 53/64	71.834	3 53/64	97.234
27/32	21.4313	1 27/32	46.831	2 27/32	72.231	3 27/32	97.631
55/64	21.8281	1 55/64	47.228	2 55/64	72.628	3 55/64	98.028
7/8	22.2250	1 7/8	47.625	2 7/8	73.025	3 7/8	98.425
57/64	22.6219	1 57/64	48.022	2 57/64	73.422	3 57/64	98.822
23/32	18.2563	1 23/32	43.656	2 23/32	69.056	3 23/32	94.456
59/64	23.4156	1 59/64	48.816	2 59/64	74.216	3 59/64	99.616
15/16	23.8125	1 15/16	49.213	2 15/16	74.613	3 15/16	100.013
61/64	24.2094	1 61/64	49.609	2 61/64	75.009	3 61/64	100.409
31/32	24.6063	1 31/32	50.006	2 31/32	75.406	3 31/32	100.806
63/64	25.0031	1 63/64	50.403	2 63/64	75.803	3 63/64	101.203
1	25.4000	2	50.800	3	76.200	4	101.600

DRILLS FOR USE PRIOR TO TAPPING

METRIC 60° INC ANGLE											
NOM DIA	PITCH	DRILL DIA	NOM DIA	PITCH	DRILL DIA	NOM DIA	PITCH	DRILL DIA	NOM DIA	PITCH	DRILL DIA
2.00	0.40	1.60	9.00	0.75	8.20	16.00	2.00	14.00	25.00	2.00	23.00
2.20	0.45	1.75	9.00	1.00	8.00	17.00	1.00	16.00	26.00	1.50	24.50
2.50	0.35	2.15	9.00	1.25	7.80	17.00	1.50	15.50	27.00	1.00	26.00
2.50	0.45	2.05	10.00	0.75	9.20	18.00	1.00	17.00	27.00	1.50	25.50
3.00	0.35	2.65	10.00	1.00	9.00	18.00	1.50	16.50	27.00	2.00	25.00
3.00	0.50	2.50	10.00	1.25	8.80	18.00	2.00	16.00	27.00	3.00	24.00
3.50	0.35	3.15	10.00	1.50	8.50	18.00	2.50	15.50	28.00	1.00	27.00
3.50	0.60	2.90	11.00	0.75	10.20	20.00	1.00	19.00	28.00	1.50	26.50
4.00	0.50	3.50	11.00	1.00	10.00	20.00	1.50	18.50	28.00	2.00	26.00
4.00	0.70	3.30	11.00	1.50	9.50	20.00	2.00	18.00	30.00	1.00	29.00
4.50	0.50	4.00	12.00	1.00	11.00	20.00	2.50	17.50	30.00	1.50	28.50
4.50	0.75	3.70	12.00	1.25	10.80	22.00	1.00	21.00	30.00	2.00	28.00
5.00	0.50	4.50	12.00	1.50	10.50	22.00	1.50	20.50	30.00	3.00	27.00
5.00	0.80	4.20	12.00	1.75	10.20	2.00	2.00	20.00	30.00	3.50	26.50
5.50	0.50	5.00	14.00	1.00	13.00	22.00	2.50	19.50	32.00	1.50	30.50
6.00	0.75	5.20	14.00	1.25	12.80	24.00	1.00	23.00	32.00	2.00	30.00
6.00	1.00	5.00	14.00	1.50	12.50	24.00	1.50	22.50	33.00	1.50	31.50
7.00	0.75	6.20	14.00	2.00	12.00	-	-	-	33.00	2.00	31.00
7.00	1.00	6.00	15.00	1.00	14.00	24.00	2.00	22.00	33.00	3.00	30.00
8.00	0.75	7.20	15.00	1.50	13.50	24.00	3.00	21.00	33.00	3.50	29.50
8.00	1.00	7.00	16.00	1.00	15.00	25.00	1.00	24.00	35.00	1.50	33.50
8.00	1.25	6.80	16.00	1.50	14.50	25.00	1.50	23.50	36.00	1.50	34.50

DRILLS FOR USE PRIOR TO TAPPING

METRIC 60° INC ANGLE											
NOM DIA	PITCH	DRILL DIA	NOM DIA	PITCH	DRILL DIA	NOM DIA	PITCH	DRILL DIA	NOM DIA	PITCH	DRILL DIA
36.00	2.00	34.00	40.00	2.00	38.00	45.00	3.00	42.00	50.00	2.00	48.00
36.00	3.00	33.00	40.00	3.00	37.00	45.00	4.00	41.00	50.00	3.00	47.00
36.00	4.00	32.00	42.00	1.50	40.50	45.00	4.50	40.50	52.00	1.50	50.50
38.00	1.50	36.50	42.00	2.00	40.00	48.00	1.50	46.50	52.00	2.00	50.00
39.00	1.50	37.50	42.00	3.00	39.00	48.00	2.00	46.00	52.00	3.00	49.00
39.00	2.00	37.00	42.00	4.00	38.00	48.00	3.00	45.00	52.00	4.00	48.00
39.00	3.00	36.00	42.00	4.50	37.50	48.00	4.00	44.00	52.00	5.00	47.00
39.00	4.00	35.00	45.00	1.50	43.50	48.00	5.00	43.00	56.00	5.50	50.50
40.00	1.50	35.80	45.00	2.00	43.00	50.00	1.50	48.00	-	-	-

AMERICAN NATIONAL THREADS

60° INC ANGLE								
SIZE NO.	N.C		N.F		U.N.C		U.N.F	
	TPI	DRILL SIZE IN MM	TPI	DRILL SIZE IN MM	TPI	DRILL SIZE IN MM	TPI	DRILL SIZE IN MM
0	-	-	80	1.25	-	-	-	-
2	56	1.85	64	1.90	-	-	-	-
4	40	2.35	48	2.40	40	2.35	-	-
6	32	2.85	40	2.95	32	2.85	-	-
8	32	3.50	36	3.50	32	3.50	-	-
10	24	3.90	32	4.10	24	3.90	32	4.10
12	24	4.50	28	4.70	-	-	-	-

BRITISH ASSOCIATION

47 ½° INC ANGLE			
SIZE MM	DIA	PITCH	DRILL SIZE
0	6.00	1.00	5.10
1	5.30	0.90	4.50
2	4.70	0.81	4.00
3	4.10	0.73	3.40
4	3.60	0.66	3.00
5	3.20	0.59	2.65
6	2.80	0.53	2.30

DRILLS FOR USE PRIOR TO TAPPING

BRITISH STANDARD WHITWORTH FORM THREADS

55° INC ANGLE								
NOM DIA INCH	B.S.W		B.S.F		B.S.P (PARALLEL)		B.S.P (TAPER)	
	TPI	DRILL SIZE	TPI	DRILL SIZE	TPI	DRILL SIZE	TPI	DRILL SIZE
1/8	40	2.55	-	-	28	8.80	28	8.40
3/16	24	3.70	32	5/32	-	-	-	-
7/32	-	-	28	4.60	-	-	-	-
1/4	20	5.10	26	5.30	19	11.80	19	11.20
9/32	-	-	26	6.11	-	-	-	-
5/16	18	6.50	22	6.80	-	-	-	-
3/8	16	5/16	20	8.30	19	15.25	19	14.75
7/16	14	9.30	18	9.70				
1/2	12	10.50	16	7/16	14	3/4	14	23/32
9/16	12	12.10	16	1/2	-	-	-	-
5/8	11	13.50	14	14.00	14	53/64	-	-

DRILLS FOR USE PRIOR TO TAPPING

BRITISH STANDARD WHITWORTH FORM THREADS

55° INC ANGLE								
NOM DIA INCH	B.S.W		B.S.F		B.S.P (PARALLEL)		B.S.P (TAPER)	
	TPI	DRILL SIZE	TPI	DRILL SIZE	TPI	DRILL SIZE	TPI	DRILL SIZE
11/16	11	15.00	14	15.50	-	-	-	-
3/4	10	41/64	12	16.75	14	24.50	14	15/16
7/8	9	19.25	11	25/32	14	28.25		
1	8	22.00	10	22.75	11	30.75	11	30.0
1 1/8	7	24.75	9	25.50	-	-	-	-
1 1/4	7	1 3/32	9	1 1/8	11	39.50	11	44.50
1 3/8	-	-	8	31.50	-	-	-	-
1 1/2	6	33.50	8	1 23/64	11	1 25/32	11	56.0
1 5/8	-	-	8	37.90	-	-	-	-
1 3/4	5	39.00	7	41.00	11	51.00	-	-
2	4.5	44.50	7	47.00	11	2 1/4	11	2 13/16
2 1/4	4	51.00	6	53.00	11	63.26	-	-
2 1/2	4	57.00	6	58.00	11	72.73	-	-
2 3/4	3.5	62.14	6	63.35	11	79.08	-	-
3	3.5	68.30	5	69.50	11	85.43	11	(84.35)
3 1/2	-	-	-	-	11	97.88	11	(109.42)
4	-	-	-	-	11	110.58	-	-

AMERICAN NATIONAL FORM THREADS

60° INC ANGLE							
NOM DIA INCH	NC & U.N.C		NE & U.N.F		N.P.T & N.P.S		
						DRILL SIZE IN MM	
FRACTIONAL INCH	TPI	DRILL SIZE IN MM	TPI	DRILL SIZE IN MM	TPI	TAPPING WITH REAMER	TAPPING WITHOUT REAMER
1/4	20	5.10	28	5.50	18	10.70	11.10
5/16	18	6.60	24	6.90	-	-	-
3/8	16	8.00	24	8.50	18	14.25	14.50
7/16	14	9.40	20	9.90	-	-	-
1/2	13	10.80	20	11.50	14	17.50	18.00
9/16	12	12.20	18	12.90	-	-	-
5/8	11	13.50	18	14.50	-	-	-
3/4	10	16.50	16	17.50	14	22.75	23.25
7/8	9	19.50	14	20.40	-	-	-
1	8	22.25	12	23.25	11.5	28.50	29.00
1 1/4	7	28.00	12	29.50	11.5	37.50	38.00
1 1/2	6	34.00	12	36.00	11.5	43.50	44.00

BIRLA PRECISION
Forward, Together.

HARDNESS CONVERSION CHART

DAGGER BRAND®
SINCE 1937

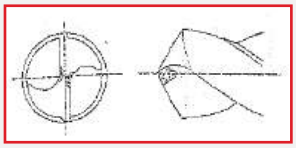
VHN	BHN	HRA	HRB	HRC
940		85.6		68
920		85.3		67.5
900		85		67
880	*767	84.7		66.4
860	*757	84.4		65.9
840	*745	84.1		65.3
820	*733	83.8		64.7
800	*722	83.4		64
780	*710	83		63.3
760	*698	82.6		62.5
740	*684	82.2		61.8
720	*670	81.6		61
700	*656	81.3		60.1
690	*647	81.1		59.7
680	*638	80.8		59.2
670	*630	80.6		58.8
660	620	80.3		58.3
650	611	80		57.8
640	601	79.8		57.3
630	591	79.5		56.8
620	582	79.2		56.3
610	573	78.9		55.7
600	564	78.6		55.2
590	554	78.4		54.7
580	545	78		54.1
570	535	77.8		53.6
560	525	77.4		53
550	517	77		52.3
540	507	76.7		51.7
530	497	76.4		51.1
520	488	76.1		50.5
510	479	75.7		49.8
500	471	75.3		49.1
490	460	74.9		48.4
480	452	74.5		47.7
470	442	74.1		46.9
460	433	73.6		46.1
450	425	73.3		45.3
440	415	72.8		44.5
430	405	72.3		43.6
420	397	71.8		42.7
410	388	71.4		41.8
400	379	70.8		40.8
390	369	70.3		39.8
380	360	69.8	*110	38.8
370	350	69.2		37.7
360	341	68.7	*109	36.6

VHN	BHN	HRA	HRB	HRC
350	331	68.1		35.5
340	322	67.8	*108	34.4
330	313	67		33.3
320	303	66.4	*107	32.2
310	204	65.8		31
300	284	65.2	*105.5	29.8
295	280	64.8		29.2
290	275	64.5	*104.5	28.5
285	270	64.2		27.8
280	265	63.8	*103.5	27.1
275	261	63.5		26.4
270	256	63.1	*102	25.6
265	252	62.7		24.8
260	247	62.4	*101	24
255	243	62		23.1
250	238	61.6	99.5	22.2
245	233	61.2		21.3
240	228	60.7	98.1	20.3
230	219		96.7	18
220	209		95	15.7
210	200		93.4	13.4
200	190		91.5	11
190	181		89.5	8.5
180	171		87.1	6
170	162		85	3
160	152		81.7	0
150	143		78.7	
140	133		75	
130	124		71.2	
120	114		66.7	
110	105		62.3	
100	95		56.2	

***Values beyond range only for information**

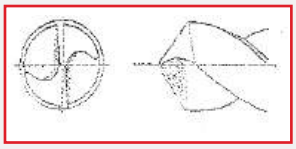
VHN	Vicker's Hardness Number / Diamond Pyramid
BHN	Brinell Hardnesss Number (w-ball) 10mm / 3000Kgs
HRA	Rockwell A Scale - Diamond Cone / 60Kgs
HRB	Rockwell B Scale - 1/16" dia. Ball / 100Kgs
HRC	Rockwell C Scale - Diamond Cone / 150Kgs

POINT ENHANCEMENT



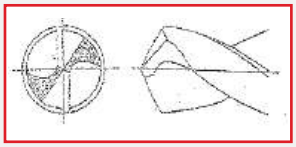
FORM **A**

Web thinning (Thinned chisel)
Improves penetration
Ideal for Long series.



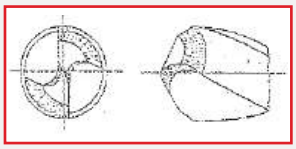
FORM **B**

Web thinned + Lips corrected
Optimized to heavy duty.
Ideal for Deep Hole drilling.



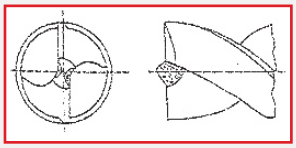
FORM **C**

Split Point
Eases chip removal & penetration
Ideal for Crank Shaft Drilling.



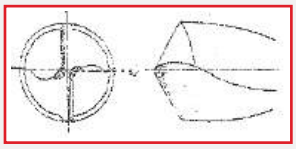
FORM **D**

Cast Iron Point
90 peripheral point + web thinning
Ideal for Cast iron and abrasive plastics.



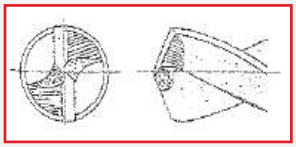
FORM **E**

Brad point
flat point + central drill
Ideal for sheet metal drilling.



FORM **4F**

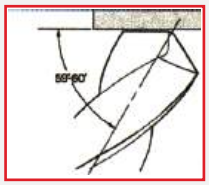
Fusion of form A & B (Four Faces)
A high performing point for long chips Ideal for stainless & high nickel steels.



FORM **R**

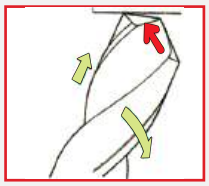
Helical thinning
curls and breaks the chips.
Ideal for tong chip type.

POINT GRINDING TECHNIQUES



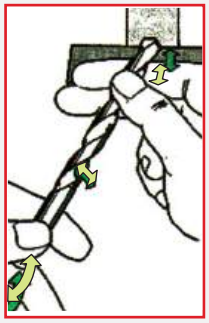
STEP 1

Keep the cutting lip parallel to the grinding face with an angle of 59° to the axis of drill body.



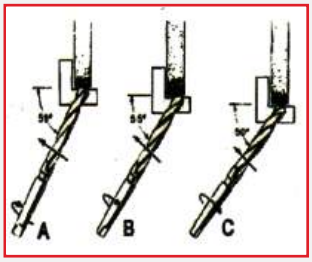
STEP 2

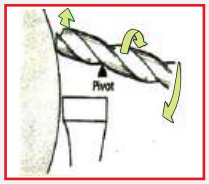
Start grinding from the lip down to heel side.
Simultaneously rotate the drill clockwise.



STEP 3

Gradually co-ordinate these three movements :
- Clockwise rotation of the drill point.
- Downward movement of shank-end of drill.
- Left swing movement of the shank-end.
  59° to 55° and 50° by the end of grinding.





← **SIDE VIEW** of the point grinding

BIRLA PRECISION
Forward, Together.

ITM QUICK GUIDELINES FOR DRILLING ON DIFFERENT MATERIALS

DAGGER BRAND®
SINCE 1937

MATERIAL	CHARACTER	POINT ANGLE	HELIX/ FLUTE	MODIFICATION	COOLANT	SPEED M/MIN	FEED MM/REV.	REMARKS/ RECOMMENDATIONS
Carbon & Alloy Steels	Normalised	118°	Standard	None	Soluble Oil	18 to 24	0.1 to 0.5	Feed range for 5mm to 25mm dia.
	Forged	125°				15 to 21		
	Cast	118°				15 to 21		
Cast Iron	Grey/SG Iron	90°/118°	Standard	Web thinned	Com-pressed Air	24 to 30	0.1 to 0.5	Double point Angle
	Malleable	90°/118°				15 to 21		
	Martensitic							Only Carbide Drills works on this
Manganese Steels	Tough	130°	Slow	Web Thinned	Dry	3 to 3.5	0.04 to 0.1	Apply feed before contact No use of Punch/no interuption
Stainless Steel	Austentic	135°	Quick	Split	Sulf/ Cl Sol. Oil	6 to 12	0.15 to 0.6	Blued rigid / donot use punch
	Martensitic	118°	Standard	Web Thin	Soluble Oil	12 to 18	0.1 to 0.5	Feed range for 5mm to 25mm dia.
Monel Steel	Work Hardening	110° to 115°	Standard	Split	Soluble Oil	6 to 15	0.15 to 0.6	Use thick web /short/rigid drill
High Nickel/ Nimonic	Work Hardening	110° to 115°	Standard	Split	Soluble Oil	3 to 6	0.15 to 0.6	Use thick web /short/rigid drill
(Rotary Drill) Copper (Stationary Drill)	Soft	100°	Quick/Wide	None	Soluble Oil	30 to 46	01 to 0.5	Point Angle as per chip Behaviour
	Hard	130°	Quick/Wide			21 to 30		
		As above	Standard			30 to 46		
Bronze / Brass	Cast & neval	118°	Slow/Wide	Ground lip	Soluble Oil	30 to 60	0.1 to 0.5	Short chips / Lip grd. For large size
	yellow brass	118°	Standard	None		30 to 60		Continous long chips type
	Hard type	130°	Standard			21 to 30		
Magnesium & Alloys	Freecutting	118°	Standard	None	Soluble oil	60 to 90	0.1 to 0.5	Dia cast alloys
Aluminium	Long chip	130°	Quick	None	Paraffin	30 to 60	0.1 to 0.5	Pure Aluminium
	Short chip	130°	Standard		Hard Oil/ Kerosene			Alloys and high silicon grades, M35
Titanium	Poor Conductivity	118° to 140°		Web thinned	Copius Sol. Oil	4.5 to 9	0.05 to 0.3	Thick Web/Obtuse angle to larger
Plastics	Thermoplastics	130° to 140°	Quick	None	Soap Soln	6 to 45	0.2 to 0.5	Speed/Feed by material (PVC/CA)
	Thermosetting	60° to 90°	Slow	None	Dry	27 to 45	0.1 to 0.5	Powdery abrasive matl. (Backelite)
Granite/Concrete	Masonary	Standard	Standard	None	Dry	21 to 30	0.2 to 0.5	Use Masonary Drills / Carbide Tip

***** Only popular material addressed in this chart, others may be related according to characteristics**

SPEED & FEEDS FOR H.S.S DRILLS

WORK-PICES MATERIAL	CUTTING SPEED IN M/MIN		DRILL DIAMETER MM								
			1	2	5	8	12	16	25	40	63
Steel	30 - 35	f	HAND	0.05	0.12	0.2	0.25	0.3	0.4	0.4	0.5
*45 Kg mm2		n	12000	6000	2400	1500	1000	750	480	300	190
Steel	15 - 25	f	HAND	0.05	0.12	0.2	0.25	0.3	0.4	0.4	0.5
*45-70 Kg mm2		n	10000	5000	2100	1300	850	640	410	260	165
Steel	8 - 15	f	HAND	0.04	0.1	0.15	0.2	0.25	0.3	0.3	0.4
*above 70 Kg mm2		n	8000	4000	1600	995	680	500	318	200	125
Alloy Steel	20 - 30	f	HAND	HAND	0.06	0.1	0.15	0.2	0.3	0.3	0.3
*above 100 Kg mm2		n	3650	1840	735	455	305	230	145	90	60
Cast Iron	5 - 15	f	HAND	0.07	0.12	0.2	0.3	0.4	0.5	0.6	0.6
*above 18 Kg mm2		n	8000	4000	1600	1000	660	500	320	200	127
Cast Iron	3 - 5	f	HAND	HAND	0.1	0.2	0.3	0.4	0.5	0.6	0.6
*above 18-30 Kg mm2		n	3180	1600	635	400	265	200	130	80	50
Mang Steel	6 - 12	f	HAND	HAND	0.05	0.08	0.1	0.1	0.15	0.2	0.2
*above 15%		n	1300	650	255	160	110	80	50	32	20
Stainless Steel	80 - 100	f	HAND	HAND	0.05	0.1	0.12	0.15	2	0.2	0.3
		n	2800	1400	570	360	240	180	110	70	45
Brass-Brittle	50 - 60	f	HAND	0.08	0.02	0.25	0.3	0.4	0.5	0.6	0.7
		n	28000	14000	5700	3600	2400	1800	1100	700	450
Brass - Ductile	50 - 70	f	HAND	0.05	0.15	0.25	0.3	0.4	0.5	0.6	0.7
		n	17500	8700	3500	2200	1500	1100	700	440	280
Copper & Zinc Alloy	80 - 120	f	HAND	0.04	0.14	0.18	0.22	0.25	0.3	0.45	0.5
		n	16000	8000	3200	2000	1325	1000	650	400	250
Aluminium Long Chipped		f	HAND	0.05	0.14	0.2	0.25	0.3	0.4	0.45	0.5
	120 - 160	n	32000	16000	6350	4000	2650	2000	1280	800	500
Aluminium Short Chipped		f	HAND	0.06	0.16	0.25	0.35	0.4	0.5	0.65	0.7
		n	38000	19000	7600	4800	3200	2400	1520	1000	600

TROUBLE SHOOTING (DRILLS)

	PROBLEM	CAUSES	REMEDIES
1	Oversize hole	1. Unequal lip angles 2. Unequal lip lengths	Regrind drill point to correct angle with proper relief
2	Irregular & poor finish	1. Loose hold	Check the holder and run-out
		2. Chocking of chips	Increase the force & volume of Coolant
		3. Excessive feed rate	decrease the feed rate
3	Bucking of the drill	Axial deflection of drill	Use correct guide bushes
4	Chattering of Drill	1. Hard/Tough workpiece 2. Tortional deflection	Use a shorter drill with thick web to improper studiness
5	Breaking of the drill	1. poor rigidity of fixture	Use rigid fixture and chucks
		2. Improper speed and feed	Select speed and feed as per job.
		3. Insufficient chip removal	Remove the chips frequently

TROUBLE SHOOTING (DRILLS)

	PROBLEM	CAUSES	REMEDIES
5	Breaking of the drill	4. Excessive web thickness	Web thining & proper point grinding.
6	Breakage in deep hole	1. Blockage of chips	Try wood-pecking system.
		2. Non- uniform back taper	Check back taper uniformity
		3. Run out on OD	Check concentricity
7	Rubbing	1. Improper Point Relief	Regrind drill-point with proper relief.
		2. Non-uniform back taper	Check for negative back-taper on body.
8	Burning	1. Insufficient coolant flow	Ensure proper coolant flow
	Land Washes off	2. Inappropriate coolant	Use proper coolant recommended.
		3. hard work-piece	Select the right drill suitable for job.
9	Splitting of drills	1. Axial play in spindle	Correct the spindle play.
		2. Springy clamping of job	Ensure rigid clamping.
		3. Excessive feed	Reduce the feed.
10	Tang breakage	1. Slipping Chuck	Modify the inner surface of the holder or change the holder.
		2. Defect in inner surface of morse taper	

TROUBLE SHOOTING (TAPS)

	PROBLEM	CAUSES	REMEDIES
1	Tap Breakage	1. Incorrect tap	– Choose Suitable type tap
		2. Incorrect chamfer symmetry	– Ensure proper centre align
		3. Small hole	– Select proper hole size
		4. hits at bottom of hole	– Use slipping clutch/shorten
		5. Tool hardness, geometry	– Check the hardness of job
		6. blunt tap	– Regrind the tap
2	Poor Tap life Chipping/ wear	1. Surface hardening of hole	– Work hardnening material, Lower Speed
		2. Chip Congestion	– Check Speed. Use alternate type
		3. Thread Surface	– Ensure proper geometry
		4. Ineffective coolant supply	– Improper effieciency of coolant
		5. High Cutting Speed	– Lower existing speed
		6. Smaller hole size	– Refer the chart for correct hole size
		7. Cold welding/iregular job micro	– Improper lubrication & speed
3	Larger Thread (Oversize Cutting)	1. Incorrect type of tap	– Use specified tap for application
		2. Smalller hole size	– Use the recommended hole size
		3. Improper Alignment	– Check the alignment and ecentricity
		4. Spindle restriction	– Check the spindle condition / runout
		5. Build up edges	– Improper lubrication
		6. High Speed	– Lower the Speed

TROUBLE SHOOTING (TAPS)

	PROBLEM	CAUSES	REMEDIES
4	Smaller Thread (Undersize Cutting)	1. Incorrect tap selection	– Check the corecteness of tap used
		2. Inaccurate setup	– Recheck the alignemen
		5. Rigid Spindle	– Ensure spindle movement smooth
		6. Tolerance	– Ensuregeometrical Tolerances
5	Bell Mouth hole	1. Incorrect Starting pressure	– Use a spindle with axial float
6	Unsatisfactory finish (Poor finish)	1. Blunt Tap	– Resharpen the tap
		2. Badly Reground	– Grind properly
		6. Coolant improper quality/qty	– Use ample supply of right lubricant

ENHANCEMENT (METALLURGICAL)

SURFACE TREATMENTS :

STEAM TEMPERING : Gives a strongly adhering blue oxide surface that acts to retain cutting fluid and prevent chips welding to cutting edges. More effective on drills and taps.

NITRINDING : I This process can increase the surface wear resistance. Particularly useful on taps and drills used on abrasive material like Cast iron and Bakelite.

SURFACE COATING

TiN - TITANIUM NITRIDE : (GOLDEN COLOUR) :
Ceramic coating applied by physical vapor deposition (PVD) gives high hardness and low friction properties, improper the performance and considerably longer life to HSS tools. Mainly for drills and taps.
Hardness : 2300 HV.

Ti(Al)N - TIIANIUM ALUMINIUM NITRIDE : (VIOLET COLOUR)
Multi-layer PVD coating improves tool life substantially. Higher toughness and oxidation stability permits dry machining. Ideal for drills and taps used at higher speeds and feeds.
(Hardness : 3300 HV)

TiCN - TITANIUM CARBO-NITRIDE : (BLUISH GREY)

This coating is harder than TiN with lower coefficient of friction. Ideal for milling cutters. (Hardness : 3000 HV) (other coatings: Titanium Diboride-TiB2, Chromium nitride-CrN, Zirconium nitride-ZrN, Diamond like coat-DLC, Tungsten carbide - WC/C, Aluminum chromium nitride- AlCrN, Diamond coating - crystalline & multi layers)

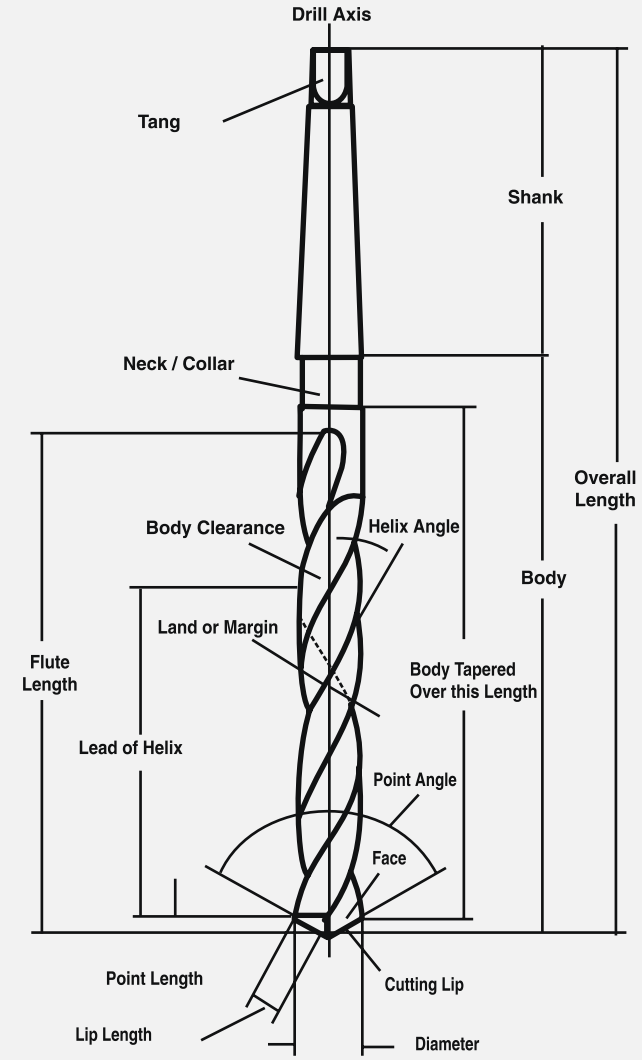
THERMAL TREATMENTS :

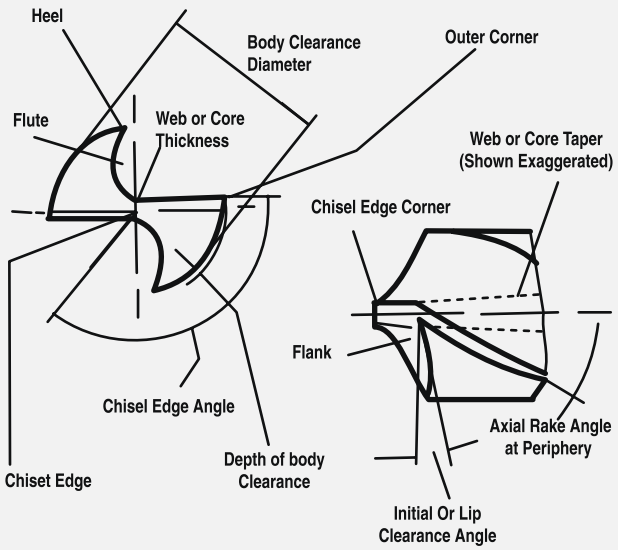
CRYOGENIC TEMPERING : Subzero treatment of tools at very low temperatures (-190°C) using liquid nitrogen, enhances the properties in micro levels. This considerably improves the endurance and performance of tool

CHOICE OF HSS GRADES:

M2	-	Molybdenum grade	- Popular for all general purpose -%6W:5Mo:2V (6:5:2)
M35	-	5% Cobalt Grade	- For Tougher application & RED Hardness - % 6W : 5Mo : 2V : 5Co (6:5:2:5)
M42	-	8% Cobalt Grade	- Better than M35 -%2W:10Mo : 1V : 8Co (2:10:1:8)
T42	-	10%Cobalt Grade	- For Tool Bits -%10W : 4Mo : 3V : 10Co (10:4:3:10)

(*Only popular grades addressed here)





NOMENCLATURE OF TAPER SHANK DRILL

BIRLA PRECISION
Forward, Together.

DAGGER BRAND®
SINCE 1937

ANNULAR CUTTER

www.birlaprecision.com

HSS M2 ANNULAR CUTTER (DEPTH OF CUT - 35MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAH00M12.0035	12 x 35MM	2924
CAH00M13.0035	13 x 35MM	2924
CAH00M14.0035	14 x 35MM	3332
CAH00M15.0035	15 x 35MM	3332
CAH00M16.0035	16 x 35MM	3705
CAH00M17.0035	17 x 35MM	3705
CAH00M18.0035	18 x 35MM	3981
CAH00M19.0035	19 x 35MM	3981
CAH00M20.0035	20 x 35MM	4406
CAH00M21.0035	21 x 35MM	4406
CAH00M22.0035	22 x 35MM	4940
CAH00M23.0035	23 x 35MM	4940
CAH00M24.0035	24 x 35MM	5331
CAH00M25.0035	25 x 35MM	5331
CAH00M26.0035	26 x 35MM	5716
CAH00M27.0035	27 x 35MM	6026
CAH00M28.0035	28 x 35MM	6078
CAH00M29.0035	29 x 35MM	6302

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAH00M30.0035	30 x 35MM	6416
CAH00M31.0035	31 x 35MM	6825
CAH00M32.0035	32 x 35MM	7066
CAH00M33.0035	33 x 35MM	7066
CAH00M34.0035	34 x 35MM	7583
CAH00M35.0035	35 x 35MM	7778
CAH00M36.0035	36 x 35MM	8186
CAH00M37.0035	37 x 35MM	8491
CAH00M38.0035	38 x 35MM	8675
CAH00M39.0035	39 x 35MM	8875
CAH00M40.0035	40 x 35MM	9163
CAH00M41.0035	41 x 35MM	9564
CAH00M42.0035	42 x 35MM	10329
CAH00M43.0035	43 x 35MM	10835
CAH00M44.0035	44 x 35MM	11650
CAH00M45.0035	45 x 35MM	11989
CAH00M50.0035	50 x 35MM	14350

HSS M2 ANNULAR CUTTER (DEPTH OF CUT - 50MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAH00M12.0050	12 x 50MM	3901
CAH00M13.0050	13 x 50MM	3901
CAH00M14.0050	14 x 50MM	4194
CAH00M15.0050	15 x 50MM	4194
CAH00M16.0050	16 x 50MM	4550
CAH00M17.0050	17 x 50MM	4550
CAH00M18.0050	18 x 50MM	4825
CAH00M19.0050	19 x 50MM	4825
CAH00M20.0050	20 x 50MM	5440
CAH00M21.0050	21 x 50MM	5440
CAH00M22.0050	22 x 50MM	5928
CAH00M23.0050	23 x 50MM	5928
CAH00M24.0050	24 x 50MM	6727
CAH00M25.0050	25 x 50MM	6727
CAH00M26.0050	26 x 50MM	7032
CAH00M27.0050	27 x 50MM	7146

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAH00M28.0050	28 x 50MM	7474
CAH00M29.0050	29 x 50MM	7882
CAH00M30.0050	30 x 50MM	8209
CAH00M31.0050	31 x 50MM	8365
CAH00M32.0050	32 x 50MM	8611
CAH00M33.0050	33 x 50MM	9014
CAH00M34.0050	34 x 50MM	9421
CAH00M35.0050	35 x 50MM	9910
CAH00M36.0050	36 x 50MM	10404
CAH00M37.0050	37 x 50MM	11065
CAH00M38.0050	38 x 50MM	11461
CAH00M39.0050	39 x 50MM	11776
CAH00M40.0050	40 x 50MM	12345
CAH00M41.0050	41 x 50MM	12834
CAH00M42.0050	42 x 50MM	13316
CAH00M43.0050	43 x 50MM	13649

HSS M2 ANNULAR CUTTER (DEPTH OF CUT - 50MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAH00M44.0050	44 x 50MM	14132
CAH00M45.0050	45 x 50MM	14120
CAH00M50.0050	50 x 50MM	18601

HSS M2 ANNULAR CUTTER

TCT ANNULAR CUTTER (DEPTH OF CUT - 35MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M12.0035	12 x 35 MM	4504
CAT00M13.0035	13 x 35 MM	4504
CAT00M14.0035	14 x 35 MM	4504
CAT00M15.0035	15 x 35 MM	4504
CAT00M16.0035	16 x 35 MM	4504
CAT00M17.0035	17 x 35 MM	4504
CAT00M18.0035	18 x 35 MM	4504
CAT00M19.0035	19 x 35 MM	4504
CAT00M20.0035	20 x 35 MM	4504
CAT00M21.0035	21 x 35 MM	4504
CAT00M21.5035	21.50 x 35 MM	4504
CAT00M22.0035	22 x 35 MM	4504
CAT00M23.0035	23 x 35 MM	4504
CAT00M23.5035	23.50 x 35 MM	4504
CAT00M24.0035	24 x 35 MM	4504
CAT00M25.0035	25 x 35 MM	4504
CAT00M26.0035	26 x 35 MM	4803
CAT00M27.0035	27 x 35 MM	4803
CAT00M28.0035	28 x 35 MM	4803

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M29.0035	29 x 35 MM	4803
CAT00M30.0035	30 x 35 MM	4803
CAT00M31.0035	31 x 35 MM	5917
CAT00M32.0035	32 x 35 MM	5917
CAT00M33.0035	33 x 35 MM	5917
CAT00M34.0035	34 x 35 MM	5917
CAT00M35.0035	35 x 35 MM	5917
CAT00M36.0035	36 x 35 MM	6755
CAT00M37.0035	37 x 35 MM	6755
CAT00M38.0035	38 x 35 MM	6755
CAT00M39.0035	39 x 35 MM	6755
CAT00M40.0035	40 x 35 MM	6755
CAT00M41.0035	41 x 35 MM	7664
CAT00M42.0035	42 x 35 MM	7664
CAT00M43.0035	43 x 35 MM	7664
CAT00M44.0035	44 x 35 MM	7664
CAT00M45.0035	45 x 35 MM	7664
CAT00M46.0035	46 x 35 MM	8720
CAT00M47.0035	47 x 35 MM	8720

TCT ANNULAR CUTTER (DEPTH OF CUT - 35MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M47.5035	47.50 x 35 MM	8720
CAT00M48.0035	48 x 35 MM	8720

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M49.0035	49 x 35 MM	8720
CAT00M50.0035	50 x 35 MM	8720

TCT ANNULAR CUTTER (DEPTH OF CUT - 50MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M12.0050	12 x 50 MM	5055
CAT00M13.0050	13 x 50 MM	5055
CAT00M14.0050	14 x 50 MM	4590
CAT00M15.0050	15 x 50 MM	5055
CAT00M16.0050	16 x 50 MM	5055
CAT00M17.0050	17 x 50 MM	5055
CAT00M17.5050	17.50 x 50 MM	5055
CAT00M18.0050	18 x 50 MM	4590
CAT00M19.0050	19 x 50 MM	5055
CAT00M20.0050	20 x 50 MM	5055
CAT00M21.0050	21 x 50 MM	5055
CAT00M21.5050	21.50 x 50 MM	5055
CAT00M22.0050	22 x 50 MM	4590
CAT00M23.0050	23 x 50 MM	5055
CAT00M23.5050	23.50 x 50 MM	5055
CAT00M24.0050	24 x 50 MM	5055
CAT00M25.0050	25 x 50 MM	5055
CAT00M26.0050	26 x 50 MM	4897
CAT00M27.0050	27 x 50 MM	5343
CAT00M28.0050	28 x 50 MM	5343
CAT00M29.0050	29 x 50 MM	5343
CAT00M30.0050	30 x 50 MM	5343
CAT00M31.0050	31 x 50 MM	6755
CAT00M32.0050	32 x 50 MM	6755
CAT00M33.0050	33 x 50 MM	6755
CAT00M34.0050	34 x 50 MM	6755
CAT00M35.0050	35 x 50 MM	6755
CAT00M36.0050	36 x 50 MM	7733
CAT00M37.0050	37 x 50 MM	7733
CAT00M38.0050	38 x 50 MM	7733
CAT00M39.0050	39 x 50 MM	7733
CAT00M40.0050	40 x 50 MM	7733
CAT00M41.0050	41 x 50 MM	8720

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M42.0050	42 x 50 MM	8720
CAT00M43.0050	43 x 50 MM	8720
CAT00M44.0050	44 x 50 MM	8720
CAT00M45.0050	45 x 50 MM	8720
CAT00M46.0050	46 x 50 MM	10042
CAT00M47.0050	47 x 50 MM	10042
CAT00M48.0050	48 x 50 MM	10042
CAT00M49.0050	49 x 50 MM	10042
CAT00M50.0050	50 x 50 MM	10042
CAT00M51.0050	51 x 50 MM	12081
CAT00M52.0050	52 x 50 MM	12081
CAT00M53.0050	53 x 50 MM	12081
CAT00M54.0050	54 x 50 MM	12081
CAT00M55.0050	55 x 50 MM	12081
CAT00M56.0050	56 x 50 MM	12875
CAT00M57.0050	57 x 50 MM	12875
CAT00M58.0050	58 x 50 MM	12875
CAT00M59.0050	59 x 50 MM	12875
CAT00M60.0050	60 x 50 MM	12875
CAT00M61.0050	61 x 50 MM	14800
CAT00M62.0050	62 x 50 MM	14800
CAT00M63.0050	63 x 50 MM	14800
CAT00M64.0050	64 x 50 MM	14800
CAT00M65.0050	65 x 50 MM	14800
CAT00M66.0050	66 x 50 MM	16902
CAT00M67.0050	67 x 50 MM	16902
CAT00M68.0050	68 x 50 MM	16902
CAT00M69.0050	69 x 50 MM	16902
CAT00M70.0050	70 x 50 MM	16902
CAT00M71.0050	71 x 50 MM	18925
CAT00M72.0050	72 x 50 MM	18925
CAT00M73.0050	73 x 50 MM	18925
CAT00M74.0050	74 x 50 MM	18925

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TCT ANNULAR CUTTER (DEPTH OF CUT - 50MM)
HSN CODE - 8207

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MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M75.0050	75 x 50 MM	18925
CAT00M76.0050	76 x 50 MM	20805
CAT00M77.0050	77 x 50 MM	20805
CAT00M78.0050	78 x 50 MM	20805
CAT00M79.0050	79 x 50 MM	20805
CAT00M80.0050	80 x 50 MM	20805
CAT00M81.0050	81 x 50 MM	24019
CAT00M82.0050	82 x 50 MM	24019
CAT00M83.0050	83 x 50 MM	24019
CAT00M84.0050	84 x 50 MM	24019
CAT00M85.0050	85 x 50 MM	24019
CAT00M86.0050	86 x 50 MM	25561
CAT00M87.0050	87 x 50 MM	25561

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M88.0050	88 x 50 MM	25561
CAT00M89.0050	89 x 50 MM	25561
CAT00M90.0050	90 x 50 MM	25561
CAT00M91.0050	91 x 50 MM	28000
CAT00M92.0050	92 x 50 MM	28000
CAT00M93.0050	93 x 50 MM	28000
CAT00M94.0050	94 x 50 MM	28000
CAT00M95.0050	95 x 50 MM	28000
CAT00M96.0050	96 x 50 MM	32008
CAT00M97.0050	97 x 50 MM	32008
CAT00M98.0050	98 x 50 MM	32008
CAT00M99.0050	99 x 50 MM	32008
CAT00M100.0050	100 x 50 MM	32008

TCT ANNULAR CUTTER (DEPTH OF CUT - 75MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M14.0075	14 x 75 MM	9546
CAT00M15.0075	15 x 75 MM	9546
CAT00M16.0075	16 x 75 MM	9546
CAT00M17.0075	17 x 75 MM	9546
CAT00M17.5075	17.50 x 75 MM	9546
CAT00M18.0075	18 x 75 MM	9546
CAT00M19.0075	19 x 75 MM	9546
CAT00M20.0075	20 x 75 MM	9546
CAT00M21.0075	21 x 75 MM	9546
CAT00M21.5075	21.50 x 75 MM	9546
CAT00M22.0075	22 x 75 MM	9546
CAT00M23.0075	23 x 75 MM	9546
CAT00M23.5075	23.50 x 75 MM	9546
CAT00M24.0075	24 x 75 MM	9546
CAT00M25.0075	25 x 75 MM	9546
CAT00M26.0075	26 x 75 MM	10382
CAT00M27.0075	27 x 75 MM	10382
CAT00M28.0075	28 x 75 MM	10382
CAT00M29.0075	29 x 75 MM	10382
CAT00M30.0075	30 x 75 MM	10382
CAT00M31.0075	31 x 75 MM	12543

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M32.0075	32 x 75 MM	12543
CAT00M33.0075	33 x 75 MM	12543
CAT00M34.0075	34 x 75 MM	12543
CAT00M35.0075	35 x 75 MM	12543
CAT00M36.0075	36 x 75 MM	14444
CAT00M37.0075	37 x 75 MM	14444
CAT00M38.0075	38 x 75 MM	14444
CAT00M39.0075	39 x 75 MM	14444
CAT00M40.0075	40 x 75 MM	14444
CAT00M41.0075	41 x 75 MM	16579
CAT00M42.0075	42 x 75 MM	16579
CAT00M43.0075	43 x 75 MM	16579
CAT00M44.0075	44 x 75 MM	16579
CAT00M45.0075	45 x 75 MM	16579
CAT00M46.0075	46 x 75 MM	19902
CAT00M47.0075	47 x 75 MM	19902
CAT00M48.0075	48 x 75 MM	19902
CAT00M49.0075	49 x 75 MM	19902
CAT00M50.0075	50 x 75 MM	19902
CAT00M51.0075	51 x 75 MM	20818
CAT00M52.0075	52 x 75 MM	20818

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TCT ANNULAR CUTTER (DEPTH OF CUT - 75MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M53.0075	53 x 75 MM	20818
CAT00M54.0075	54 x 75 MM	20818
CAT00M55.0075	55 x 75 MM	20818
CAT00M56.0075	56 x 75 MM	22049
CAT00M57.0075	57 x 75 MM	22049
CAT00M58.0075	58 x 75 MM	22049
CAT00M59.0075	59 x 75 MM	22049
CAT00M60.0075	60 x 75 MM	22049
CAT00M61.0075	61 x 75 MM	25012
CAT00M62.0075	62 x 75 MM	25012
CAT00M63.0075	63 x 75 MM	25012
CAT00M64.0075	64 x 75 MM	25012
CAT00M65.0075	65 x 75 MM	25012
CAT00M66.0075	66 x 75 MM	29117
CAT00M67.0075	67 x 75 MM	29117
CAT00M68.0075	68 x 75 MM	29117
CAT00M69.0075	69 x 75 MM	29117
CAT00M70.0075	70 x 75 MM	29117
CAT00M71.0075	71 x 75 MM	31565
CAT00M72.0075	72 x 75 MM	31565
CAT00M73.0075	73 x 75 MM	31565
CAT00M74.0075	74 x 75 MM	31565
CAT00M75.0075	75 x 75 MM	31565
CAT00M76.0075	76 x 75 MM	34695

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M77.0075	77 x 75 MM	34695
CAT00M78.0075	78 x 75 MM	34695
CAT00M79.0075	79 x 75 MM	34695
CAT00M80.0075	80 x 75 MM	34695
CAT00M81.0075	81 x 75 MM	39254
CAT00M82.0075	82 x 75 MM	39254
CAT00M83.0075	83 x 75 MM	39254
CAT00M84.0075	84 x 75 MM	39254
CAT00M85.0075	85 x 75 MM	39254
CAT00M86.0075	86 x 75 MM	41775
CAT00M87.0075	87 x 75 MM	41775
CAT00M88.0075	88 x 75 MM	41775
CAT00M89.0075	89 x 75 MM	41775
CAT00M90.0075	90 x 75 MM	41775
CAT00M91.0075	91 x 75 MM	45756
CAT00M92.0075	92 x 75 MM	45756
CAT00M93.0075	93 x 75 MM	45756
CAT00M94.0075	94 x 75 MM	45756
CAT00M95.0075	95 x 75 MM	45756
CAT00M96.0075	96 x 75 MM	52310
CAT00M97.0075	97 x 75 MM	52310
CAT00M98.0075	98 x 75 MM	52310
CAT00M99.0075	99 x 75 MM	52310
CAT00M100.0075	100 x 75 MM	52310

TCT ANNULAR CUTTER (DEPTH OF CUT - 100MM)
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M20.00100	20 x 100 MM	12721
CAT00M21.00100	21 x 100 MM	12721
CAT00M21.50100	21.50 x 100 MM	12721
CAT00M22.00100	22 x 100 MM	12721
CAT00M23.00100	23 x 100 MM	12721
CAT00M23.50100	23.50 x 100 MM	12721
CAT00M24.00100	24 x 100 MM	12721
CAT00M25.00100	25 x 100 MM	12721
CAT00M25.50100	25.50 x 100 MM	14158
CAT00M26.00100	26 x 100 MM	14158
CAT00M27.00100	27 x 100 MM	14158

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M28.00100	28 x 100 MM	14158
CAT00M29.00100	29 x 100 MM	14158
CAT00M30.00100	30 x 100 MM	14158
CAT00M31.00100	31 x 100 MM	16280
CAT00M32.00100	32 x 100 MM	16280
CAT00M33.00100	33 x 100 MM	16280
CAT00M34.00100	34 x 100 MM	16280
CAT00M35.00100	35 x 100 MM	16280
CAT00M36.00100	36 x 100 MM	18808
CAT00M37.00100	37 x 100 MM	18808
CAT00M38.00100	38 x 100 MM	18808

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TCT ANNULAR CUTTER (DEPTH OF CUT - 100MM)
HSN CODE - 8207

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MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M39.00100	39 x 100 MM	18808
CAT00M40.00100	40 x 100 MM	18808
CAT00M41.00100	41 x 100 MM	21209
CAT00M42.00100	42 x 100 MM	21209
CAT00M43.00100	43 x 100 MM	21209
CAT00M44.00100	44 x 100 MM	21209
CAT00M45.00100	45 x 100 MM	21209
CAT00M46.00100	46 x 100 MM	25276
CAT00M47.00100	47 x 100 MM	25276
CAT00M48.00100	48 x 100 MM	25276
CAT00M49.00100	49 x 100 MM	25276
CAT00M50.00100	50 x 100 MM	25276
CAT00M51.00100	51 x 100 MM	26646
CAT00M52.00100	52 x 100 MM	26646
CAT00M53.00100	53 x 100 MM	26646
CAT00M54.00100	54 x 100 MM	26646
CAT00M55.00100	55 x 100 MM	26646
CAT00M56.00100	56 x 100 MM	28221
CAT00M57.00100	57 x 100 MM	28221
CAT00M58.00100	58 x 100 MM	28221
CAT00M59.00100	59 x 100 MM	28221
CAT00M60.00100	60 x 100 MM	28221
CAT00M61.00100	61 x 100 MM	32019
CAT00M62.00100	62 x 100 MM	32019
CAT00M63.00100	63 x 100 MM	32019
CAT00M64.00100	64 x 100 MM	32019
CAT00M65.00100	65 x 100 MM	32019
CAT00M66.00100	66 x 100 MM	36975
CAT00M67.00100	67 x 100 MM	36975
CAT00M68.00100	68 x 100 MM	36975
CAT00M69.00100	69 x 100 MM	36975
CAT00M70.00100	70 x 100 MM	36975
CAT00M71.00100	71 x 100 MM	40082
CAT00M72.00100	72 x 100 MM	40082
CAT00M73.00100	73 x 100 MM	40082
CAT00M74.00100	74 x 100 MM	40082
CAT00M75.00100	75 x 100 MM	40082
CAT00M76.00100	76 x 100 MM	44063

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT00M77.00100	77 x 100 MM	44063
CAT00M78.00100	78 x 100 MM	44063
CAT00M79.00100	79 x 100 MM	44063
CAT00M80.00100	80 x 100 MM	44063
CAT00M81.00100	81 x 100 MM	49854
CAT00M82.00100	82 x 100 MM	49854
CAT00M83.00100	83 x 100 MM	49854
CAT00M84.00100	84 x 100 MM	49854
CAT00M85.00100	85 x 100 MM	49854
CAT00M86.00100	86 x 100 MM	55264
CAT00M87.00100	87 x 100 MM	55264
CAT00M88.00100	88 x 100 MM	55264
CAT00M89.00100	89 x 100 MM	55264
CAT00M90.00100	90 x 100 MM	55264
CAT00M91.00100	91 x 100 MM	61201
CAT00M92.00100	92 x 100 MM	61201
CAT00M93.00100	93 x 100 MM	61201
CAT00M94.00100	94 x 100 MM	61201
CAT00M95.00100	95 x 100 MM	61201
CAT00M96.00100	96 x 100 MM	66435
CAT00M97.00100	97 x 100 MM	66435
CAT00M98.00100	98 x 100 MM	66435
CAT00M99.00100	99 x 100 MM	66435
CAT00M100.00100	100 x 100 MM	66435

TCT ANNULAR CUTTER

RAIL TCT ANNULAR CUTTER
HSN CODE - 8207

DEPTH OF CUT - 25MM

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT01M12.0025	12 x 25MM	9507
CAT01M13.0025	13 x 25MM	9507
CAT01M14.0025	14 x 25MM	9507
CAT01M15.0025	15 x 25MM	9507
CAT01M16.0025	16 x 25MM	9507
CAT01M17.0025	17 x 25MM	9507
CAT01M18.0025	18 x 25MM	9507
CAT01M19.0025	19 x 25MM	9507
CAT01M20.0025	20 x 25MM	9507
CAT01M21.0025	21 x 25MM	9507
CAT01M22.0025	22 x 25MM	9852
CAT01M23.0025	23 x 25MM	9852
CAT01M24.0025	24 x 25MM	9852
CAT01M25.0025	25 x 25MM	9852
CAT01M26.0025	26 x 25MM	9852
CAT01M27.0025	27 x 25MM	9852
CAT01M28.0025	28 x 25MM	9852
CAT01M29.0025	29 x 25MM	9852
CAT01M30.0025	30 x 25MM	9852
CAT01M31.0025	31 x 25MM	10959
CAT01M32.0025	32 x 25MM	10959
CAT01M33.0025	33 x 25MM	10959
CAT01M34.0025	34 x 25MM	10959
CAT01M35.0025	35 x 25MM	11780

DEPTH OF CUT - 50MM

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
CAT01M12.0050	12 x 50MM	11187
CAT01M13.0050	13 x 50MM	11187
CAT01M14.0050	14 x 50MM	11187
CAT01M15.0050	15 x 50MM	11187
CAT01M16.0050	16 x 50MM	11187
CAT01M17.0050	17 x 50MM	11187
CAT01M18.0050	18 x 50MM	11187
CAT01M19.0050	19 x 50MM	11187
CAT01M20.0050	20 x 50MM	11187
CAT01M21.0050	21 x 50MM	11187
CAT01M22.0050	22 x 50MM	11912
CAT01M23.0050	23 x 50MM	11912
CAT01M24.0050	24 x 50MM	11912
CAT01M25.0050	25 x 50MM	11912
CAT01M26.0050	26 x 50MM	11912
CAT01M26.5050	26.50 x 50MM	12337
CAT01M27.0050	27 x 50MM	12337
CAT01M28.0050	28 x 50MM	12337
CAT01M29.0050	29 x 50MM	12337
CAT01M30.0050	30 x 50MM	12337
CAT01M31.0050	31 x 50MM	12337
CAT01M31.7550	31.75 x 50MM	13041
CAT01M32.0050	32 x 50MM	13041
CAT01M33.0050	33 x 50MM	13041
CAT01M34.0050	34 x 50MM	13041
CAT01M35.0050	35 x 50MM	14133

RAIL TCT ANNULAR CUTTER

PILOT PIN
HSN CODE - 8207

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE FOR 10 Nos
PPN00M6.34L90	6.34mm x 90mm	6250
PPN00M6.34L106	6.34mm x 106mm	8628
PPN00M7.98L90	7.98mm x 90mm	6641

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE FOR 10 Nos
PPN00M7.98L105	7.98mm x 105mm	9237
PPN00M7.98L130	7.98mm x 130mm	10777
PPN00M7.98L157	7.98mm x 157mm	12086

MAGNETIC DRILL MACHINE
HSN CODE - 8459

MATERIAL CODE	ITEM DESCRIPTION	LIST PRICE (Rs.) EACH
MDM01DX35	DX35, M12-M35, DOC 50	45000
MDM01DX60	DX60, M14-M60, DOC 75	90000
MDM01DX120	DX120, M18-M120, DOC 100	157000

BIRLA PRECISION
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BIRLA DUROTOOL
Kushal Karigaron Ki Pasand

BDT PRODUCTS

BIRLA PRECISION
Forward, Together.

BIRLA DUROTOOL
Kushal Karigaron Ki Pasand

SDS HAMMER DRILLS

SDS PLUS HAMMER DRILLS / HSN CODE - 8207

FLAT TIP

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HMD00M4110	4.00 x 110 MM OAL	84
HMD00M5110	5.00 x 110 MM OAL	101
HMD00M5160	5.00 x 160 MM OAL	116
HMD00M5.5110	5.5 x 110 MM OAL	117
HMD00M5.5160	5.5 x 160 MM OAL	133
HMD00M6110	6.00 x 110 MM OAL	118
HMD00M6160	6.00 x 160 MM OAL	133
HMD00M6210	6.00 x 210 MM OAL	159
HMD00M6260	6.00 x 260 MM OAL	182
HMD00M6.5110	6.5 x 110 MM OAL	136
HMD00M6.5160	6.5 x 160 MM OAL	152
HMD00M8110	8.00 x 110 MM OAL	178
HMD00M8160	8.00 x 160 MM OAL	193
HMD00M8210	8.00 x 210 MM OAL	217
HMD00M8260	8.00 x 260 MM OAL	236
HMD00M8310	8.00 x 310 MM OAL	265
HMD00M8450	8.00 x 450 MM OAL	387
HMD00M9210	9.00 x 210 MM OAL	289
HMD00M10110	10.00 x 110 MM OAL	245
HMD00M10160	10.00 x 160 MM OAL	260
HMD00M10210	10.00 x 210 MM OAL	283
HMD00M10260	10.00 x 260 MM OAL	298
HMD00M10310	10.00 x 310 MM OAL	318
HMD00M10360	10.00 x 360 MM OAL	346
HMD00M10450	10.00 x 450 MM OAL	442
HMD00M11210	11.00 x 210 MM OAL	300
HMD00M12110	12.00 x 110 MM OAL	328
HMD00M12160	12.00 x 160 MM OAL	339
HMD00M12210	12.00 x 210 MM OAL	362
HMD00M12260	12.00 x 260 MM OAL	375
HMD00M12310	12.00 x 310 MM OAL	398
HMD00M12450	12.00 x 450 MM OAL	479
HMD00M12350	12.00 x 350 MM OAL	439
HMD00M13160	13.00 x 160 MM OAL	376
HMD00M13210	13.00 x 210 MM OAL	404
HMD00M13260	13.00 x 260 MM OAL	421
HMD00M13310	13.00 x 310 MM OAL	452
HMD00M14160	14.00 x 160 MM OAL	419

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HMD00M14210	14.00 x 210 MM OAL	455
HMD00M14260	14.00 x 260 MM OAL	474
HMD00M14310	14.00 x 310 MM OAL	502
HMD00M14450	14.00 x 450 MM OAL	645
HMD00M14350	14.00 x 350 MM OAL	539
HMD00M16160	16.00 x 160 MM OAL	606
HMD00M16210	16.00 x 210 MM OAL	643
HMD00M16260	16.00 x 260 MM OAL	667
HMD00M16310	16.00 x 310 MM OAL	701
HMD00M16450	16.00 x 450 MM OAL	786
HMD00M16350	16.00 x 350 MM OAL	754
HMD00M18160	18.00 x 160 MM OAL	571
HMD00M18310	18.00 x 310 MM OAL	817
HMD00M18350	18.00 x 350 MM OAL	860
HMD00M18400	18.00 x 400 MM OAL	921

SDS PLUS HAMMER DRILLS / HSN CODE - 8207

FLAT TIP

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HMD00M18450	18.00 x 450 MM OAL	983
HMD00M18600	18.00 x 600 MM OAL	1167
HMD00M18800	18.00 x 800 MM OAL	1535
HMD00M181000	18.00 x 1000 MM OAL	1781
HMD00M18210	18.00 x 210 MM OAL	725
HMD00M19310	19.00 x 310 MM OAL	1032
HMD00M19350	19.00 x 350 MM OAL	1044
HMD00M20210	20.00 x 210 MM OAL	891
HMD00M20260	20.00 x 260 MM OAL	983
HMD00M20310	20.00 x 310 MM OAL	1032
HMD00M20350	20.00 x 350 MM OAL	1044
HMD00M20400	20.00 x 400 MM OAL	1167
HMD00M20450	20.00 x 450 MM OAL	1204
HMD00M20600	20.00 x 600 MM OAL	1413
HMD00M20800	20.00 x 800 MM OAL	1842
HMD00M201000	20.00 x 1000 MM OAL	2088
HMD00M22210	22.00 x 210 MM OAL	1044

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HMD00M22260	22.00 x 260 MM OAL	1167
HMD00M22310	22.00 x 310 MM OAL	1228
HMD00M22350	22.00 x 350 MM OAL	1259
HMD00M22400	22.00 x 400 MM OAL	1351
HMD00M22450	22.00 x 450 MM OAL	1413
HMD00M22600	22.00 x 600 MM OAL	1658
HMD00M22800	22.00 x 800 MM OAL	2149
HMD00M221000	22.00 x 1000 MM OAL	2457
HMD00M25210	25.00 x 210 MM OAL	1259
HMD00M25260	25.00 x 260 MM OAL	1351
HMD00M25310	25.00 x 310 MM OAL	1413
HMD00M25350	25.00 x 350 MM OAL	1474
HMD00M25400	25.00 x 400 MM OAL	1597
HMD00M25450	25.00 x 450 MM OAL	1689
HMD00M25600	25.00 x 600 MM OAL	2027
HMD00M25800	25.00 x 800 MM OAL	2518
HMD00M251000	25.00 x 1000 MM OAL	2887

CROSS TIP

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HDC00M5110	5.0 x 110 MM OAL	115
HDC00M5160	5.0 x 160 MM OAL	128
HDC00M6110	6.0 x 110 MM OAL	144
HDC00M6160	6.0 x 160 MM OAL	157
HDC00M6210	6.0 x 210 MM OAL	188
HDC00M6260	6.0 x 260 MM OAL	197
HDC00M6.5110	6.5 x 110 MM OAL	155
HDC00M6.5160	6.5 x 160 MM OAL	168
HDC00M8110	8.0 x 110 MM OAL	215
HDC00M8160	8.0 x 160 MM OAL	231
HDC00M8210	8.0 x 210 MM OAL	262
HDC00M8260	8.0 x 260 MM OAL	275
HDC00M8310	8.0 x 310 MM OAL	302
HDC00M8350	8.0 x 350 MM OAL	322
HDC00M8450	8.0 x 450 MM OAL	500
HDC00M10110	10 x 110 MM OAL	337
HDC00M10160	10 x 160 MM OAL	353
HDC00M10210	10 x 210 MM OAL	382

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HDC00M10260	10 x 260 MM OAL	394
HDC00M10310	10 x 310 MM OAL	419
HDC00M10350	10 x 350 MM OAL	439
HDC00M10400	10 x 400 MM OAL	706
HDC00M10450	10 x 450 MM OAL	729
HDC00M10600	10 x 600 MM OAL	828
HDC00M121000	12 x 1000 MM OAL	1332
HDC00M12110	12 x 110 MM OAL	510
HDC00M12160	12 x 160 MM OAL	527
HDC00M12210	12 x 210 MM OAL	556
HDC00M12260	12 x 260 MM OAL	569
HDC00M12310	12 x 310 MM OAL	593
HDC00M12350	12 x 350 MM OAL	623
HDC00M12400	12 x 400 MM OAL	878
HDC00M12450	12 x 450 MM OAL	906
HDC00M12600	12 x 600 MM OAL	1001
HDC00M12800	12 x 800 MM OAL	1156
HDC00M13160	13 x 160 MM OAL	776

CROSS TIP

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HDC00M141000	14 x 1000 MM OAL	1868
HDC00M14160	14 x 160 MM OAL	757
HDC00M14210	14 x 210 MM OAL	783
HDC00M14260	14 x 260 MM OAL	805
HDC00M14310	14 x 310 MM OAL	834
HDC00M14350	14 x 350 MM OAL	866
HDC00M14400	14 x 400 MM OAL	1345
HDC00M14450	14 x 450 MM OAL	1407
HDC00M14600	14 x 600 MM OAL	1512
HDC00M14800	14 x 800 MM OAL	1673
HDC00M161000	16 x 1000 MM OAL	2252
HDC00M16160	16 x 160 MM OAL	910
HDC00M16210	16 x 210 MM OAL	954
HDC00M16260	16 x 260 MM OAL	976
HDC00M16310	16 x 310 MM OAL	1015
HDC00M16350	16 x 350 MM OAL	1068
HDC00M16400	16 x 400 MM OAL	1701
HDC00M16450	16 x 450 MM OAL	1762
HDC00M16600	16 x 600 MM OAL	1851
HDC00M16800	16 x 800 MM OAL	2029
HDC00M181000	18 x 1000 MM OAL	2702
HDC00M18160	18 x 160 MM OAL	1834
HDC00M18210	18 x 210 MM OAL	1892
HDC00M18260	18 x 260 MM OAL	1945
HDC00M18310	18 x 310 MM OAL	1965
HDC00M18350	18 x 350 MM OAL	2001
HDC00M18400	18 x 400 MM OAL	2045
HDC00M18450	18 x 450 MM OAL	2083
HDC00M18600	18 x 600 MM OAL	2223
HDC00M18800	18 x 800 MM OAL	2446
HDC00M201000	20 x 1000 MM OAL	3390
HDC00M20160	20 x 160 MM OAL	2364
HDC00M20210	20 x 210 MM OAL	2421
HDC00M20260	20 x 260 MM OAL	2473
HDC00M20310	20 x 310 MM OAL	2533
HDC00M20350	20 x 350 MM OAL	2557
HDC00M20400	20 x 400 MM OAL	2612
HDC00M20450	20 x 450 MM OAL	2702
HDC00M20600	20 x 600 MM OAL	2785
HDC00M20800	20 x 800 MM OAL	3112

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH
HDC00M221000	22 x 1000 MM OAL	4335
HDC00M22210	22 x 210 MM OAL	3168
HDC00M22260	22 x 260 MM OAL	3265
HDC00M22310	22 x 310 MM OAL	3335
HDC00M22350	22 x 350 MM OAL	3390
HDC00M22400	22 x 400 MM OAL	3446
HDC00M22450	22 x 450 MM OAL	3536
HDC00M22600	22 x 600 MM OAL	3780
HDC00M22800	22 x 800 MM OAL	4002
HDC00M25210	25 x 210 MM OAL	4057
HDC00M25260	25 x 260 MM OAL	4113
HDC00M25310	25 x 310 MM OAL	4224
HDC00M25350	25 x 350 MM OAL	4280
HDC00M25400	25 x 400 MM OAL	4335
HDC00M25450	25 x 450 MM OAL	4391
HDC00M25600	25 x 600 MM OAL	4646
HDC00M25800	25 x 800 MM OAL	4946
HDC00M251000	25 x 1000 MM OAL	5348

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MASONRY DRILLS

MASONRY DRILLS / HSN CODE - 8207

DESCRIPTION	MATERIAL CODE DELUXE	LIST PRICE (RS.) EACH DELUXE	MATERIAL CODE ECONOMY	LIST PRICE (RS.) EACH ECONOMY
1/8" (3.00 MM)	DPM00I1/8	98	DPM03I1/8	83
5/32" (4.00 MM)	DPM00I5/32	117	DPM03I5/32	99
3/16" (5.00 MM)	DPM00I3/16	162	DPM03I3/16	134
7/32" (5.50 MM)	DPM00I7/32	181	DPM03I7/32	152
15/64" (6.00 MM)	DPM00I15/64	225	DPM03I15/64	187
1/4" (6.50 MM)	DPM00I1/4	233	DPM03I1/4	196
9/32" (7.00 MM)	DPM00I9/32	340	DPM03I9/32	284
5/16" (8.00 MM)	DPM00I5/16	398	DPM03I5/16	331
11/32" (9.00 MM)	DPM00I11/32	658	DPM03I11/32	478
3/8" (10.00 MM)	DPM00I3/8	583	DPM03I3/8	488
7/16" (11.00 MM)	DPM00I7/16	773	DPM03I7/16	643
15/32" (12.00 MM)	DPM00I15/32	1049	DPM03I15/32	875
1/2" (13.00 MM)	DPM00I1/2	1049	DPM03I1/2	875

NEW PACKAGING

NEW

DELUXE

ECONOMY

MASONRY DRILL BIT - LONG SERIES / HSN CODE - 8207

SR	SIZE	LENGTH	LIST PRICE
1	5/16"	8"	300
2	5/16"	10"	330
3	5/16"	12"	366
4	3/8"	8"	342
5	3/8"	10"	396
6	3/8"	12"	432
7	1/8"	8"	408
8	1/8"	10"	480
9	1/8"	12"	558

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CUTTING WHEELS

ABRASIVES / HSN CODE - 8461

CUT OF WHEELS (COW)

MATERIAL CODE	DESCRIPTION (OD X THK X ID)	LIST PRICE (RS.) EACH	CARTON QUANTITY
ACOW0M1051.2B	107 x 1.2 x 16 MM BLACK	25	800
ACOW0M1051.2G	107 x 1.2 x 16MM GREEN	25	800
ACOW0M1051.2G1N	107 x 1.2 x 16 MM GREEN 1N	21	800
ACOW0M1051.2GEX	107 x 1.2 x 16MM GREEN-EX	21	800
ACOW0M1051.2REX	107 x 1.2 x 16MM RED-EX	21	800
ACOW0M1251.2B	125 x 1.2 x 22 MM BLACK	46	500
ACOW0M1251.2G	125 x 1.2 x 22 MM GREEN	46	500
ACOW1M3552.5B	355 x 2.5 x 25.4 MM BLACK	291	25
ACOW1M3552.5G	355 x 2.5 x 25.4 MM GREEN	291	25
ACOW2M3552.8B	355 x 2.8 x 25.4 MM BLACK	297	25
ACOW2M3552.8G	355 x 2.8 x 25.4 MM GREEN	297	25
ACOW1M3553B	355 x 3 x 25.4 MM BLACK	311	25
ACOW1M3553G	355 x 3 x 25.4 MM GREEN	311	25
ACOW2M3552.8BAD	355 x 2.8 x 25.4 MM BLACK 2NET	321	25
ACOW2M3552.8GAD	355 x 2.8 x 25.4 MM GREEN 2NET	321	25
ACOW2M3553BAD	355 x 3 x 25.4 MM BLACK 2NET	347	25
ACOW2M3553GAD	355 x 3 x 25.4 MM GREEN 2NET	347	25

DEPRESSED CENTER DISCS (DCD)

MATERIAL CODE	DESCRIPTION (OD X THK X ID)	LIST PRICE (RS.) EACH	CARTON QUANTITY
ADCD0M1004B	100 x 4 x 16 MM BLACK	53	300
ADCD0M1004G	100 x 4 x 16 MM GREEN	53	300
ADCD0M1006B	100 x 6 x 16 MM BLACK	62	200
ADCD0M1006G	100 x 6 x 16 MM GREEN	62	200
ADCD0M1256B	125 x 6 x 22.23 MM BLACK	85	100
ADCD0M1256G	125 x 6 x 22.23 MM GREEN	85	100
ADCD0M1806.6B	180 x 6.6 x 22.23 MM BLACK	196	50
ADCD0M1806.6G	180 x 6.6 x 22.23 MM GREEN	196	50
ADCD0M1806BSG	180 x 6.0 x 22.23 MM GREEN EXTRA TEZ	242	50
ADCD0M1806BSB	180 x 6.0 x 22.23 MM BLACK EXTRA TEZ	242	50
ADCD0M2306B	230 x 6.0 x 22.23 MM BLACK	337	50

FLAP DISC / HSN CODE - 6805

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) EACH	CARTON QUANTITY
AFD01F10016BG120	100 x 16 MM BLACK FBR 120	54	200
AFD01F10016BG60	100 x 16 MM BLACK FBR 60	54	200
AFD01F10016BG80	100 x 16 MM BLACK FBR 80	54	200
AFD00F10016RBSG120	100 x 16 MM BLACK FBR BSEXTEZ 120	59	200
AFD00F10016RBSG60	100 x 16 MM BLACK FBR BSEXTEZ 60	59	200
AFD00F10016RBSG80	100 x 16 MM BLACK FBR BSEXTEZ 80	59	200
AFD0EF10016BG120	100 x 16 MM BLACK FBR EEXTEZ 120	54	200
AFD0EF10016BG60	100 x 16 MM BLACK FBR EEXTEZ 60	54	200
AFD0EF10016BG80	100 x 16 MM BLACK FBR EEXTEZ 80	54	200
AFD00F10016BG120	100 x 16 MM BLACK FBR EXTRA TEZ 120	58	200
AFD00F10016BG60	100 x 16 MM BLACK FBR EXTRA TEZ 60	58	200
AFD00F10016BG80	100 x 16 MM BLACK FBR EXTRA TEZ 80	58	200
AFD01M10016BG60	100 x 16 MM BLACK MTL 60	54	200
AFD01M10016BG80	100 x 16 MM BLACK MTL 80	54	200
AFD00M10016RBSG120	100 x 16 MM BLACK MTL BSEXTEZ 120	62	200
AFD00M10016RBSG60	100 x 16 MM BLACK MTL BSEXTEZ 60	62	200
AFD00M10016RBSG80	100 x 16 MM BLACK MTL BSEXTEZ 80	62	200
AFD0EM10016BG120	100 x 16 MM BLACK MTL EEXTEZ 120	55	200
AFD0EM10016BG60	100 x 16 MM BLACK MTL EEXTEZ 60	55	200
AFD0EM10016BG80	100 x 16 MM BLACK MTL EEXTEZ 80	55	200
AFD00M10016BG120	100 x 16 MM BLACK MTL EXTRA TEZ 120	59	200
AFD00M10016BG60	100 x 16 MM BLACK MTL EXTRA TEZ 60	59	200
AFD00M10016BG80	100 x 16 MM BLACK MTL EXTRA TEZ 80	59	200
AFD01M10016BG120	100 x 16 MM BLACK MTL120	54	200
AFD01F12522BG120	125 x 22 MM BLACK FBR 120	109	200
AFD01F12522BG60	125 x 22 MM BLACK FBR 60	109	200
AFD01F12522BG80	125 x 22 MM BLACK FBR 80	109	200
AFD00F12522BG120	125 x 22 MM BLACK FBR EXTRA TEZ 120	112	200
AFD00F12522BG60	125 x 22 MM BLACK FBR EXTRA TEZ 60	112	200
AFD00F12522BG80	125 x 22 MM BLACK FBR EXTRA TEZ 80	112	200

DIAMOND BLADE / HSN CODE - 8202

MATERIAL CODE	DESCRIPTION	SIZE	ID/ BORE	TYPE	APPLICATION	LIST PRICE (RS.) EACH
DMBS0I4	SEGM CUT-9 4"DIA GRANITE/MARBLE	4" (110mm)	20mm	SEGMENTED	MARBLE / GRANITE CUTTING	162
DMBS0I5	SEGM CUT-9 5"DIA GRANITE/MARBLE	5" (125mm)	22.23mm	SEGMENTED	MARBLE / GRANITE CUTTING	215
DMBC0I4	CONT CUT 4"DIA GRANITE/MARBLE	4" (110mm)	20mm	CONTINUOUS	MARBLE / GRANITE / TILE CUTTING	162
DMBC0I5	CONT CUT 5"DIA GRANITE/MARBLE	5" (125mm)	22.23mm	CONTINUOUS	MARBLE / GRANITE / TILE CUTTING	215
DMBT0I4	TURBO CONT 4"DIA GRANITE/MARBLE	4" (110mm)	20mm	TURBO	MARBLE / GRANITE / TILE CUTTING	162
DMBS0110HTP	DSB 110x10x9Tx20 HOT PRESS SEGMENTED	4" (110mm)	20mm	SEGMENTED	MARBLE / GRANITE / TILE CUTTING	183
DMBC0110HTP	DSB 110x10x20 HOT PRESS CONTINUOUS RIM	4" (110mm)	20mm	CONTINUOUS	MARBLE / GRANITE / TILE CUTTING	183
DMBT0110HTP	DSB 110x10x20 HOT PRESS TURBO	4" (110mm)	20mm	TURBO	MARBLE / GRANITE / TILE CUTTING	183
DMBT0110SUT	DSB 110x1.2x8x20 SUPER THIN TURBO	4" (110mm)	20mm	TURBO	MARBLE / GRANITE / TILE CUTTING	208
DMBS0110ZRC	DSB 110x7x1.4x20 ZERO CHIPPING SEGMENTED	4" (110mm)	20mm	SEGMENTED	MARBLE / GRANITE / TILE CUTTING	215
DMBS0125HTP	DSB 125x10x22.23 HOT PRESS SEGMENTED	5" (125mm)	22.23mm	SEGMENTED	MARBLE / GRANITE / TILE CUTTING	240
DMBC0125HTP	DSB 125x10x22.23 HOT PRESS CONT.RIM	5" (125mm)	22.23mm	CONTINUOUS	MARBLE / GRANITE / TILE CUTTING	243
DMBS0112NAN	DSB 112x8x9Tx20 NANO WHITE SEGMENTED	4" (112mm)	20mm	SEGMENTED	MARBLE / GRANITE / TILE CUTTING	353
DMBC0105NZRC	DSB 105x8x1.2x20 ZERO CHIPPING NANO RIM	4" (105mm)	20mm	CONTINUOUS	MARBLE / GRANITE / TILE CUTTING	261

TCT-CIRCULAR SAW BLADE (WOOD) / HSN CODE - 8202

MATERIAL CODE	DESCRIPTION	ID/BORE SIZE	LIST PRICE (RS.) EACH
SBW00I430	TCT CIRCULAR SAW WOOD 4" x 30T	20	565
SBW00I440	TCT CIRCULAR SAW WOOD 4" x 40T	20	741
SBW00I530	TCT CIRCULAR SAW WOOD 5" x 30T	20	589
SBW00I540	TCT CIRCULAR SAW WOOD 5" x 40T	20	747
SBW00I740	TCT CIRCULAR SAW WOOD 7" x 40T	25.4	1022
SBW00I760	TCT CIRCULAR SAW WOOD 7" x 60T	25.4	1442
SBW00I960	TCT CIRCULAR SAW WOOD 9" x 60T	25.4	1597
SBW00I1040	TCT CIRCULAR SAW WOOD 10" x 40T	25.4	1577
SBW00I1060	TCT CIRCULAR SAW WOOD 10" x 60T	25.4	2166
SBW00I1260	TCT CIRCULAR SAW WOOD 12" x 60T	25.4	2784
SBW00I1280	TCT CIRCULAR SAW WOOD 12" x 80T	25.4	3452
SBW00I12100	TCT CIRCULAR SAW WOOD 12" x 100T	25.4	4199
SBW00I1480	TCT CIRCULAR SAW WOOD 14" x 80T	25.4	4434
SBW00I14100	TCT CIRCULAR SAW WOOD 14" x 100T	25.4	5310
SBW00I14120	TCT CIRCULAR SAW WOOD 14" x 120T	25.4	6444

TCT-CIRCULAR SAW BLADE (ALUMINIUM) / HSN CODE - 8202

MATERIAL CODE	DESCRIPTION	ID/BORE SIZE	LIST PRICE (RS.) EACH
SBA00I960	TCT CIRCULAR SAW ALUMN 9" x 60T	25.4	1597
SBA00I1080	TCT CIRCULAR SAW ALUMN 10" x 80T	25.4	2784
SBA00I10100	TCT CIRCULAR SAW ALUMN 10" x 100T	25.4	3300
SBA00I10120	TCT CIRCULAR SAW ALUMN 10" x 120T	25.4	3918
SBA00I12100	TCT CIRCULAR SAW ALUMN 12" x 100T	25.4	4199
SBA00I12120	TCT CIRCULAR SAW ALUMN 12" x 120T	25.4	4897
SBA00I14100	TCT CIRCULAR SAW ALUMN 14" x 100T	25.4	5310
SBA00I14120	TCT CIRCULAR SAW ALUMN 14" x 120T	25.4	6444
SBA00I16100	TCT CIRCULAR SAW ALUMN 16" x 100T	25.4	7320
SBA00I16120	TCT CIRCULAR SAW ALUMN 16" x 120T	25.4	8659

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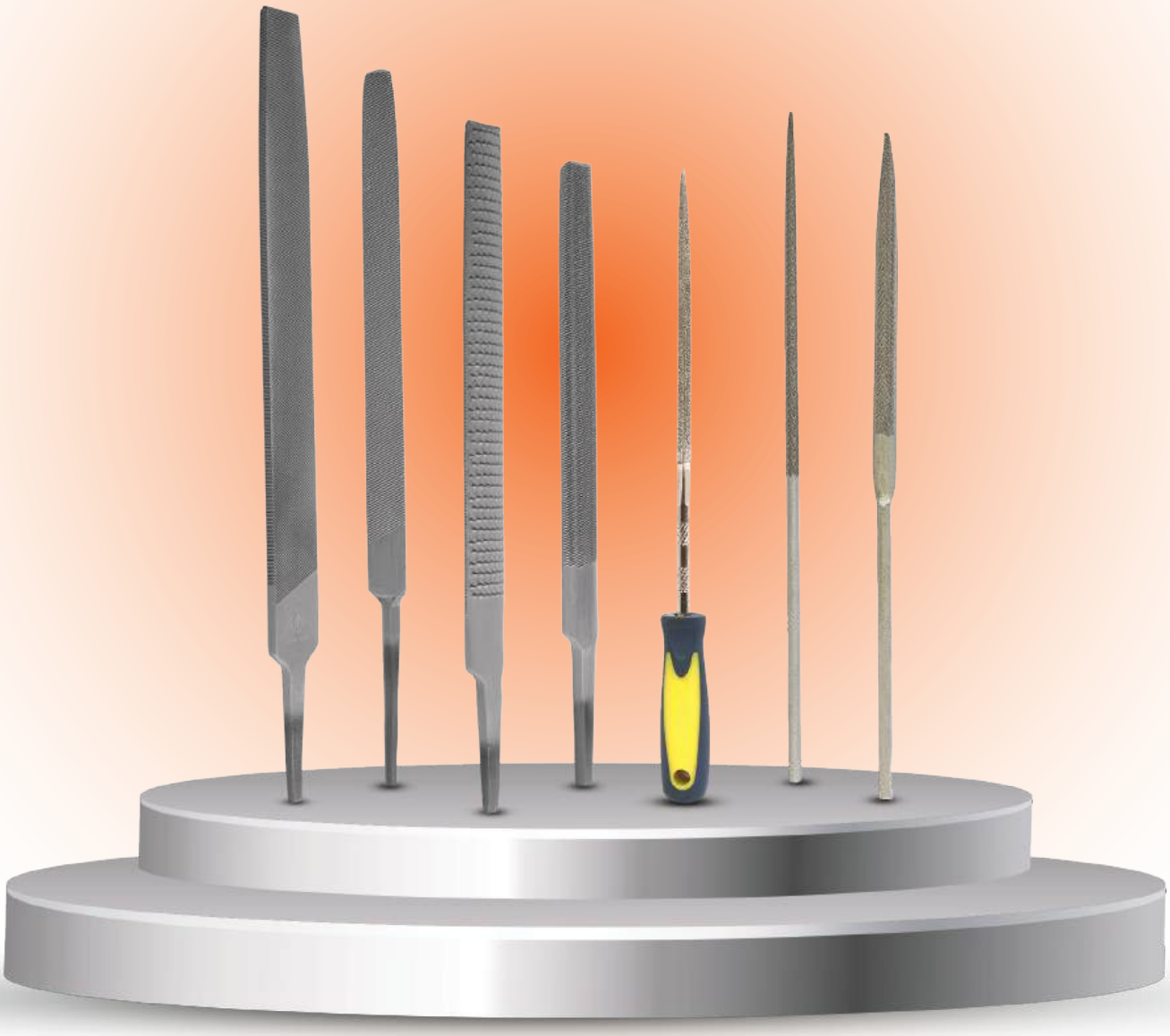
ENGINEERING FILES



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MACHINIST FILES / HSN CODE - 8203

FLAT FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
FLAT1001	100 MM BASTARD	4"	2374
FLAT1002	100 MM 2ND CUT	4"	2901
FLAT1003	100 MM SMOOTH	4"	3293
FLAT1501	150 MM BASTARD	6"	2419
FLAT1502	150 MM 2ND CUT	6"	3293
FLAT1503	150 MM SMOOTH	6"	3651
FLAT2001	200 MM BASTARD	8"	2430
FLAT2002	200 MM 2ND CUT	8"	3853
FLAT2003	200 MM SMOOTH	8"	4155

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
FLAT2501	250 MM BASTARD	10"	2442
FLAT2502	250 MM 2ND CUT	10"	4043
FLAT2503	250 MM SMOOTH	10"	5085
FLAT3001	300 MM BASTARD	12"	3662
FLAT3002	300 MM 2ND CUT	12"	5981
FLAT3003	300 MM SMOOTH	12"	6630
FLAT3501	350 MM BASTARD	14"	8478
FLAT3502	350 MM 2ND CUT	14"	8938
FLAT3503	350 MM SMOOTH	14"	9834

HAND FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
HAND1001	100 MM BASTARD	4"	2374
HAND1002	100 MM 2ND CUT	4"	2901
HAND1003	100 MM SMOOTH	4"	3293
HAND1501	150 MM BASTARD	6"	2419
HAND1502	150 MM 2ND CUT	6"	3293
HAND1503	150 MM SMOOTH	6"	3651
HAND2001	200 MM BASTARD	8"	2430
HAND2002	200 MM 2ND CUT	8"	3853
HAND2003	200 MM SMOOTH	8"	4155

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
HAND2501	250 MM BASTARD	10"	2442
HAND2502	250 MM 2ND CUT	10"	4043
HAND2503	250 MM SMOOTH	10"	5085
HAND3001	300 MM BASTARD	12"	3662
HAND3002	300 MM 2ND CUT	12"	5981
HAND3003	300 MM SMOOTH	12"	6630
HAND3501	350 MM BASTARD	14"	8478
HAND3502	350 MM 2ND CUT	14"	8938
HAND3503	350 MM SMOOTH	14"	9834

3 SQUARE FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
3SQU1001	100 MM BASTARD	4"	3595
3SQU1002	100 MM 2ND CUT	4"	3853
3SQU1003	100 MM SMOOTH	4"	3987
3SQU1501	150 MM BASTARD	6"	3830
3SQU1502	150 MM 2ND CUT	6"	4010
3SQU1503	150 MM SMOOTH	6"	4480

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
3SQU2001	200 MM BASTARD	8"	5062
3SQU2002	200 MM 2ND CUT	8"	5365
3SQU2003	200 MM SMOOTH	8"	5712
3SQU2501	250 MM BASTARD	10"	6787
3SQU2502	250 MM 2ND CUT	10"	7179
3SQU2503	250 MM SMOOTH	10"	7706

3 SQUARE FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
3SQU3001	300 MM BASTARD	12"	8579
3SQU3002	300 MM 2ND CUT	12"	9005
3SQU3003	300 MM SMOOTH	12"	9475

SQUARE FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
SQUA1001	100 MM BASTARD	4"	3494
SQUA1002	100 MM 2ND CUT	4"	3685
SQUA1003	100 MM SMOOTH	4"	3842
SQUA1501	150 MM BASTARD	6"	3741
SQUA1502	150 MM 2ND CUT	6"	3842
SQUA1503	150 MM SMOOTH	6"	4043
SQUA2001	200 MM BASTARD	8"	3864

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
SQUA2002	200 MM 2ND CUT	8"	4043
SQUA2003	200 MM SMOOTH	8"	4502
SQUA2501	250 MM BASTARD	10"	5163
SQUA2502	250 MM 2ND CUT	10"	5387
SQUA2503	250 MM SMOOTH	10"	5779
SQUA3001	300 MM BASTARD	12"	6395
SQUA3002	300 MM 2ND CUT	12"	6798
SQUA3003	300 MM SMOOTH	12"	7661

ROUND FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
ROUN1001	100 MM BASTARD	4"	3035
ROUN1002	100 MM 2ND CUT	4"	3494
ROUN1003	100 MM SMOOTH	4"	3942
ROUN1501	150 MM BASTARD	6"	3550
ROUN1502	150 MM 2ND CUT	6"	3741
ROUN1503	150 MM SMOOTH	6"	4010
ROUN2001	200 MM BASTARD	8"	3976
ROUN2002	200 MM 2ND CUT	8"	4043
ROUN2003	200 MM SMOOTH	8"	4637

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
ROUN2501	250 MM BASTARD	10"	5163
ROUN2502	250 MM 2ND CUT	10"	5387
ROUN2503	250 MM SMOOTH	10"	5802
ROUN3001	300 MM BASTARD	12"	6395
ROUN3002	300 MM 2ND CUT	12"	6798
ROUN3003	300 MM SMOOTH	12"	7493
ROUN3501	350 MM BASTARD	14"	8994
ROUN3502	350 MM 2ND CUT	14"	9397
ROUN3503	350 MM SMOOTH	14"	10293

HALF ROUND FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
HFPO1001	100 MM BASTARD	4"	4480
HFPO1002	100 MM 2ND CUT	4"	4838
HFPO1003	100 MM SMOOTH	4"	5051
HFPO1501	150 MM BASTARD	6"	4973
HFPO1502	150 MM 2ND CUT	6"	5309
HFPO1503	150 MM SMOOTH	6"	5701
HFPO2001	200 MM BASTARD	8"	6317
HFPO2002	200 MM 2ND CUT	8"	6978
HFPO2003	200 MM SMOOTH	8"	7426

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
HFPO2501	250 MM BASTARD	10"	8042
HFPO2502	250 MM 2ND CUT	10"	9430
HFPO2503	250 MM SMOOTH	10"	9934
HFPO3001	300 MM BASTARD	12"	10842
HFPO3002	300 MM 2ND CUT	12"	11334
HFPO3003	300 MM SMOOTH	12"	12331
HFPO3501	350 MM BASTARD	14"	13541
HFPO3502	350 MM 2ND CUT	14"	14661
HFPO3503	350 MM SMOOTH	14"	15490

SAW FILES

HEAVY TAPER FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
SAHE1002	100 MM 2ND CUT	4"	739
SAHE1252	125 MM 2ND CUT	5"	1064
SAHE1502	150 MM 2ND CUT	6"	1378
SAHE2002	200 MM 2ND CUT	8"	1971

REGULAR TAPER FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
SARE1002	100 MM 2ND CUT	4"	739
SARE1252	125 MM 2ND CUT	5"	1064
SARE1502	150 MM 2ND CUT	6"	1378
SARE2002	200 MM 2ND CUT	8"	1971

SLIM TAPER FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
SASL1002	100 MM 2ND CUT	4"	773
SASL1252	125 MM 2ND CUT	5"	907
SASL1502	150 MM 2ND CUT	6"	963
SASL2002	200 MM 2ND CUT	8"	1579

MILL TAPER FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
MILL1501	150 MM BASTARD	6"	1971
MILL2001	200 MM BASTARD	8"	1982
MILL2501	250 MM BASTARD	10"	1994
MILL2503	250 MM SMOOTH	10"	1994
MILL3001	300 MM BASTARD	12"	2744

FLAT HANDLE FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
FLHA2501	250 MM BASTARD	10"	1994
FLHA2502	250 MM 2ND CUT	10"	1994
FLHA2501HP	250 MM BASTARD W HDL	10"	2150
FLHA2501P	250 MM BASTARD W PCH	10"	2072
FLHA2502P	250 MM SECOND W PCH	10"	2072

FLAT SUPER LIGHT FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
FLSU2501	250 MM BASTARD	10"	1960
FLSU2502	250 MM 2ND CUT	10"	1971

WOOD AND RASP FILES

FLAT RASP FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
FLRA1501	150 MM BASTARD	6"	3842
FLRA1502	150 MM 2ND CUT	6"	3864
FLRA1503	150 MM SMOOTH	6"	4010
FLRA2001	200 MM BASTARD	8"	5208
FLRA2002	200 MM 2ND CUT	8"	5365
FLRA2003	200 MM SMOOTH	8"	5578
FLRA2501	250 MM BASTARD	10"	6115
FLRA2502	250 MM 2ND CUT	10"	6541
FLRA2503	250 MM SMOOTH	10"	6843
FLRA3001	300 MM BASTARD	12"	7896
FLRA3002	300 MM 2ND CUT	12"	8366
FLRA3003	300 MM SMOOTH	12"	8938

HALF ROUND RASP FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
HFRA1501	150 MM BASTARD	6"	4502
HFRA1502	150 MM 2ND CUT	6"	4603
HFRA1503	150 MM SMOOTH	6"	4760
HFRA2001	200 MM BASTARD	8"	5746
HFRA2002	200 MM 2ND CUT	8"	5802
HFRA2003	200 MM SMOOTH	8"	6037
HFRA2501	250 MM BASTARD	10"	6810
HFRA2502	250 MM 2ND CUT	10"	7168
HFRA2503	250 MM SMOOTH	10"	7179
HFRA3001	300 MM BASTARD	12"	8299
HFRA3002	300 MM 2ND CUT	12"	9117
HFRA3003	300 MM SMOOTH	12"	9274

SPECIAL FILES

HALF ROUND ALUMINIUM FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
ALUM2001	200 MM BASTARD	8"	6866
ALUM2501	250 MM BASTARD	10"	8702
ALUM3001	300 MM BASTARD	12"	11984

FLAT ALUMINIUM FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
FLAL2001	200 MM BASTARD	8"	2878
FLAL2501	250 MM BASTARD	10"	2979
FLAL3001	300 MM BASTARD	12"	4424

ELECTRODE DRESSED FILES

MATERIAL CODE	DESCRIPTION	SIZE INCH	LIST PRICE PER 10 NOS
ELDR3002	2ND CUT 300 MM	12"	4032

NEEDLE FILES / HSN CODE - 8203

FLAT NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NFLAT1400	140.00 MM 0 CUT	2251
NFLAT1402	140.00 MM 2ND CUT	2251
NFLAT1600	160.00 MM 0 CUT	2442
NFLAT1602	160.00 MM 2ND CUT	2442
NFLAT1600H	160 MM 0 CUT W HNDL	2442

SQUARE NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NSQUA1400	140.00 MM 0 CUT	2251
NSQUA1402	140.00 MM 2ND CUT	2251
NSQUA1600	160.00 MM 0 CUT	2442
NSQUA1602	160.00 MM 2ND CUT	2442

3 SQUARE NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
N3SQU1400	140.00 MM 0 CUT	2251
N3SQU1402	140.00 MM 2ND CUT	2251
N3SQU1600	160.00 MM 0 CUT	2442
N3SQU1602	160.00 MM 2ND CUT	2442

HALF ROUND NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NHFPO1400	140.00 MM 0 CUT	2251
NHFPO1402	140.00 MM 2ND CUT	2251
NHFPO1600	160.00 MM 0 CUT	2442
NHFPO1602	160.00 MM 2ND CUT	2442

ROUND NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NROUN1400	140.00 MM 0 CUT	2251
NROUN1402	140.00 MM 2ND CUT	2251
NROUN1600	160.00 MM 0 CUT	2442
NROUN1602	160.00 MM 2ND CUT	2442

KNIFE NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NKNIF1400	140.00 MM 0 CUT	2251
NKNIF1402	140.00 MM 2ND CUT	2251
NKNIF1600	160.00 MM 0 CUT	2442
NKNIF1602	160.00 MM 2ND CUT	2442

NEEDLE FILES SET (12 PCS)

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) PER SET
NFSET1400	140.00 MM 0 CUT	2718
NFSET1402	140.00 MM 2ND CUT	2718
NFSET1600	160.00 MM 0 CUT	2923
NFSET1602	160.00 MM 2ND CUT	2923

DIAMOND COATED / HSN CODE - 8203

FLAT NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NFLAT1400DC	140 MM 0 CUT DCOAT	8837
NFLAT1402DC	140 MM 2 CUT DCOAT	8837
NFLAT1600DC	160 MM 0 CUT DCOAT	9150
NFLAT1602DC	160 MM 2 CUT DCOAT	9150

SQUARE NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NSQUA1400DC	140 MM 0 CUT DCOAT	8837
NSQUA1402DC	140 MM 2 CUT DCOAT	8837
NSQUA1600DC	160 MM 0 CUT DCOAT	9150
NSQUA1602DC	160 MM 2 CUT DCOAT	9150

3 SQUARE NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
N3SQU1400DC	140 MM 0 CUT DCOAT	8837
N3SQU1402DC	140 MM 2 CUT DCOAT	8837
N3SQU1600DC	160 MM 0 CUT DCOAT	9150
N3SQU1602DC	160 MM 2 CUT DCOAT	9150

HALF ROUND NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NHFPO1400DC	140 MM 0 CUT DCOAT	8837
NHFPO1402DC	140 MM 2 CUT DCOAT	8837
NHFPO1600DC	160 MM 0 CUT DCOAT	9150
NHFPO1602DC	160 MM 2 CUT DCOAT	9150

ROUND NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NROUN1400DC	140 MM 0 CUT DCOAT	8837
NROUN1402DC	140 MM 2 CUT DCOAT	8837
NROUN1600DC	160 MM 0 CUT DCOAT	9150
NROUN1602DC	160 MM 2 CUT DCOAT	9150

KNIFE NEEDLE FILES

MATERIAL CODE	DESCRIPTION	LIST PRICE PER 10 NOS
NKNIF1400DC	140 MM 0 CUT DCOAT	8837
NKNIF1402DC	140 MM 2 CUT DCOAT	8837
NKNIF1600DC	160 MM 0 CUT DCOAT	9150
NKNIF1602DC	160 MM 2 CUT DCOAT	9150

NEEDLE FILES SET (6 PCS)

MATERIAL CODE	DESCRIPTION	LIST PRICE (RS.) PER SET
NFSET1400DC	140 MM 0 CUT DCOAT	5295
NFSET1402DC	140 MM 2 CUT DCOAT	5295
NFSET1600DC	160 MM 0 CUT DCOAT	5489
NFSET1602DC	160 MM 2 CUT DCOAT	5489

BIRLA PRECISION
Forward, Together.

BIRLA DUROTOOL
Kushal Karigaron Ki Pasand

DUROMASTER

DUROMASTER

JOBBER DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DJD010M91200	DUROMASTER JOBBER DRILL 1.00 MM	1.00 MM	412	500
DJD010M91201	DUROMASTER JOBBER DRILL 1.10 MM	1.10 MM	412	500
DJD010I91202	DUROMASTER JOBBER DRILL 3/64"	3/64"	412	500
DJD010M91203	DUROMASTER JOBBER DRILL 1.20 MM	1.20 MM	412	500
DJD010M91204	DUROMASTER JOBBER DRILL 1.30 MM	1.30 MM	412	500
DJD010M91205	DUROMASTER JOBBER DRILL 1.40 MM	1.40 MM	412	500
DJD010M91206	DUROMASTER JOBBER DRILL 1.50 MM	1.50 MM	412	500
DJD010I91207	DUROMASTER JOBBER DRILL 1/16"	1/16"	465	500
DJD010M91208	DUROMASTER JOBBER DRILL 1.60 MM	1.60 MM	465	500
DJD010M91209	DUROMASTER JOBBER DRILL 1.70 MM	1.70 MM	465	500
DJD010M91210	DUROMASTER JOBBER DRILL 1.80 MM	1.80 MM	465	500
DJD010M91211	DUROMASTER JOBBER DRILL 1.90 MM	1.90 MM	465	500
DJD010I91212	DUROMASTER JOBBER DRILL 5/64"	5/64"	465	500
DJD010M91213	DUROMASTER JOBBER DRILL 2.00 MM	2.00 MM	465	500
DJD010M91214	DUROMASTER JOBBER DRILL 2.10 MM	2.10 MM	465	500
DJD010M91215	DUROMASTER JOBBER DRILL 2.20 MM	2.20 MM	465	500
DJD010M91216	DUROMASTER JOBBER DRILL 2.30 MM	2.30 MM	459	500
DJD010I91217	DUROMASTER JOBBER DRILL 3/32"	3/32"	459	500
DJD010M91218	DUROMASTER JOBBER DRILL 2.40 MM	2.40 MM	459	500
DJD010M91219	DUROMASTER JOBBER DRILL 2.50 MM	2.50 MM	459	500
DJD010M91220	DUROMASTER JOBBER DRILL 2.60 MM	2.60 MM	526	500
DJD010M91221	DUROMASTER JOBBER DRILL 2.70 MM	2.70 MM	526	500
DJD010I91222	DUROMASTER JOBBER DRILL 7/64"	7/64"	526	500
DJD010M91223	DUROMASTER JOBBER DRILL 2.80 MM	2.80 MM	526	500
DJD010M91224	DUROMASTER JOBBER DRILL 2.90 MM	2.90 MM	526	500
DJD010M91225	DUROMASTER JOBBER DRILL 3.00 MM	3.00 MM	526	500
DJD010M91226	DUROMASTER JOBBER DRILL 3.10 MM	3.10 MM	571	500
DJD010I91227	DUROMASTER JOBBER DRILL 1/8"	1/8"	571	500
DJD010M91228	DUROMASTER JOBBER DRILL 3.20 MM	3.20 MM	627	500
DJD010M91229	DUROMASTER JOBBER DRILL 3.30 MM	3.30 MM	627	500
DJD010M91230	DUROMASTER JOBBER DRILL 3.40 MM	3.40 MM	627	500
DJD010M91231	DUROMASTER JOBBER DRILL 3.50 MM	3.50 MM	627	500
DJD010I91232	DUROMASTER JOBBER DRILL 9/64"	9/64"	627	500
DJD010M91233	DUROMASTER JOBBER DRILL 3.60 MM	3.60 MM	753	500
DJD010M91234	DUROMASTER JOBBER DRILL 3.70 MM	3.70 MM	753	500
DJD010M91235	DUROMASTER JOBBER DRILL 3.80 MM	3.80 MM	753	500
DJD010M91236	DUROMASTER JOBBER DRILL 3.90 MM	3.90 MM	753	500
DJD010I91237	DUROMASTER JOBBER DRILL 5/32"	5/32"	753	500
DJD010M91238	DUROMASTER JOBBER DRILL 4.00 MM	4.00 MM	753	500

JOBBER DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DJD010M91239	DUROMASTER JOBBER DRILL 4.10 MM	4.10 MM	909	500
DJD010M91240	DUROMASTER JOBBER DRILL 4.20 MM	4.20 MM	909	500
DJD010M91241	DUROMASTER JOBBER DRILL 4.30 MM	4.30 MM	909	500
DJD010I91242	DUROMASTER JOBBER DRILL 11/64"	11/64"	909	500
DJD010M91243	DUROMASTER JOBBER DRILL 4.40 MM	4.40 MM	909	500
DJD010M91244	DUROMASTER JOBBER DRILL 4.50 MM	4.50 MM	1105	500
DJD010M91245	DUROMASTER JOBBER DRILL 4.60 MM	4.60 MM	1105	500
DJD010M91246	DUROMASTER JOBBER DRILL 4.70 MM	4.70 MM	1105	500
DJD010I91247	DUROMASTER JOBBER DRILL 3/16"	3/16"	1105	500
DJD010M91248	DUROMASTER JOBBER DRILL 4.80 MM	4.80 MM	1105	500
DJD010M91249	DUROMASTER JOBBER DRILL 4.90 MM	4.90 MM	1200	500
DJD010M91250	DUROMASTER JOBBER DRILL 5.00 MM	5.00 MM	1200	500
DJD010M91251	DUROMASTER JOBBER DRILL 5.10 MM	5.10 MM	1200	500
DJD010I91252	DUROMASTER JOBBER DRILL 13/64"	13/64"	1200	500
DJD010M91253	DUROMASTER JOBBER DRILL 5.20 MM	5.20 MM	1200	500
DJD010M91254	DUROMASTER JOBBER DRILL 5.30 MM	5.30 MM	1372	500
DJD010M91255	DUROMASTER JOBBER DRILL 5.40 MM	5.40 MM	1372	500
DJD010M91256	DUROMASTER JOBBER DRILL 5.50 MM	5.50 MM	1372	500
DJD010I91257	DUROMASTER JOBBER DRILL 7/32"	7/32"	1372	500
DJD010M91258	DUROMASTER JOBBER DRILL 5.60 MM	5.60 MM	1372	500
DJD010M91259	DUROMASTER JOBBER DRILL 5.70 MM	5.70 MM	1521	500
DJD010M91260	DUROMASTER JOBBER DRILL 5.80 MM	5.80 MM	1521	500
DJD010M91261	DUROMASTER JOBBER DRILL 5.90 MM	5.90 MM	1521	500
DJD010I91262	DUROMASTER JOBBER DRILL 15/64"	15/64"	1521	500
DJD010M91263	DUROMASTER JOBBER DRILL 6.00 MM	6.00 MM	1521	500
DJD010M91264	DUROMASTER JOBBER DRILL 6.10 MM	6.10 MM	1709	500
DJD010M91265	DUROMASTER JOBBER DRILL 6.20 MM	6.20 MM	1709	500
DJD010M91266	DUROMASTER JOBBER DRILL 6.30 MM	6.30 MM	1709	500
DJD010I91267	DUROMASTER JOBBER DRILL 1/4"	1/4"	1709	500
DJD010M91268	DUROMASTER JOBBER DRILL 6.40 MM	6.40 MM	1709	500
DJD010M91269	DUROMASTER JOBBER DRILL 6.50 MM	6.50 MM	2148	500
DJD010M91270	DUROMASTER JOBBER DRILL 6.60 MM	6.60 MM	2148	500
DJD010M91271	DUROMASTER JOBBER DRILL 6.70 MM	6.70 MM	2148	500
DJD010I91272	DUROMASTER JOBBER DRILL 17/64"	17/64"	2148	500
DJD010M91273	DUROMASTER JOBBER DRILL 6.80 MM	6.80 MM	2148	500
DJD010M91274	DUROMASTER JOBBER DRILL 6.90 MM	6.90 MM	2148	500
DJD010M91275	DUROMASTER JOBBER DRILL 7.00 MM	7.00 MM	2470	500
DJD010M91276	DUROMASTER JOBBER DRILL 7.10 MM	7.10 MM	2470	500
DJD010I91277	DUROMASTER JOBBER DRILL 9/32"	9/32"	2470	500
DJD010M91278	DUROMASTER JOBBER DRILL 7.20 MM	7.20 MM	2470	500
DJD010M91279	DUROMASTER JOBBER DRILL 7.30 MM	7.30 MM	2470	500

JOBBER DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DJD010M91280	DUROMASTER JOBBER DRILL 7.40 MM	7.40 MM	2470	500
DJD010M91281	DUROMASTER JOBBER DRILL 7.50 MM	7.50 MM	2470	500
DJD010I91282	DUROMASTER JOBBER DRILL 19/64"	19/64"	2822	500
DJD010M91283	DUROMASTER JOBBER DRILL 7.60 MM	7.60 MM	2822	500
DJD010M91284	DUROMASTER JOBBER DRILL 7.70 MM	7.70 MM	2822	500
DJD010M91285	DUROMASTER JOBBER DRILL 7.80 MM	7.80 MM	2822	500
DJD010M91286	DUROMASTER JOBBER DRILL 7.90 MM	7.90 MM	2987	500
DJD010I91287	DUROMASTER JOBBER DRILL 5/16"	5/16"	2987	500
DJD010M91288	DUROMASTER JOBBER DRILL 8.00 MM	8.00 MM	2987	500
DJD010M91289	DUROMASTER JOBBER DRILL 8.10 MM	8.10 MM	2987	300
DJD010M91290	DUROMASTER JOBBER DRILL 8.20 MM	8.20 MM	2987	300
DJD010M91291	DUROMASTER JOBBER DRILL 8.30 MM	8.30 MM	3512	300
DJD010I91292	DUROMASTER JOBBER DRILL 21/64"	21/64"	3512	300
DJD010M91293	DUROMASTER JOBBER DRILL 8.40 MM	8.40 MM	3512	300
DJD010M91294	DUROMASTER JOBBER DRILL 8.50 MM	8.50 MM	3512	300
DJD010M91295	DUROMASTER JOBBER DRILL 8.60 MM	8.60 MM	3512	300
DJD010M91296	DUROMASTER JOBBER DRILL 8.70 MM	8.70 MM	3512	300
DJD010I91297	DUROMASTER JOBBER DRILL 11/32"	11/32"	3873	300
DJD010M91298	DUROMASTER JOBBER DRILL 8.80 MM	8.80 MM	3873	300
DJD010M91299	DUROMASTER JOBBER DRILL 8.90 MM	8.90 MM	3873	300
DJD010M91300	DUROMASTER JOBBER DRILL 9.00 MM	9.00 MM	3873	300
DJD010M91301	DUROMASTER JOBBER DRILL 9.10 MM	9.10 MM	4351	300
DJD010I91302	DUROMASTER JOBBER DRILL 23/64"	23/64"	4351	300
DJD010M91303	DUROMASTER JOBBER DRILL 9.20 MM	9.20 MM	4351	300
DJD010M91304	DUROMASTER JOBBER DRILL 9.30 MM	9.30 MM	4351	300
DJD010M91305	DUROMASTER JOBBER DRILL 9.40 MM	9.40 MM	4351	300
DJD010M91306	DUROMASTER JOBBER DRILL 9.50 MM	9.50 MM	4351	300
DJD010I91307	DUROMASTER JOBBER DRILL 3/8"	3/8"	4594	300
DJD010M91308	DUROMASTER JOBBER DRILL 9.60 MM	9.60 MM	4594	300
DJD010M91309	DUROMASTER JOBBER DRILL 9.70 MM	9.70 MM	4594	300
DJD010M91310	DUROMASTER JOBBER DRILL 9.80 MM	9.80 MM	4594	300
DJD010M91311	DUROMASTER JOBBER DRILL 9.90 MM	9.90 MM	5033	300
DJD010I91312	DUROMASTER JOBBER DRILL 25/64"	25/64"	5033	300
DJD010M91313	DUROMASTER JOBBER DRILL 10.00 MM	10.00 MM	5033	300
DJD010M91314	DUROMASTER JOBBER DRILL 10.10 MM	10.10 MM	5684	100
DJD010M91315	DUROMASTER JOBBER DRILL 10.20 MM	10.20 MM	5684	100
DJD010M91316	DUROMASTER JOBBER DRILL 10.30 MM	10.30 MM	5684	100
DJD010I91317	DUROMASTER JOBBER DRILL 13/32"	13/32"	5684	100
DJD010M91318	DUROMASTER JOBBER DRILL 10.40 MM	10.40 MM	5684	100
DJD010M91319	DUROMASTER JOBBER DRILL 10.50 MM	10.50 MM	5684	100
DJD010M91320	DUROMASTER JOBBER DRILL 10.60 MM	10.60 MM	6384	100

JOBBER DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DJD010M91321	DUROMASTER JOBBER DRILL 10.70 MM	10.70 MM	6384	100
DJD010I91322	DUROMASTER JOBBER DRILL 27/64"	27/64"	6384	100
DJD010M91323	DUROMASTER JOBBER DRILL 10.80 MM	10.80 MM	6384	100
DJD010M91324	DUROMASTER JOBBER DRILL 10.90 MM	10.90 MM	6384	100
DJD010M91325	DUROMASTER JOBBER DRILL 11.00 MM	11.00 MM	6384	100
DJD010M91326	DUROMASTER JOBBER DRILL 11.10 MM	11.10 MM	7095	100
DJD010I91327	DUROMASTER JOBBER DRILL 7/16"	7/16"	7095	100
DJD010M91328	DUROMASTER JOBBER DRILL 11.20 MM	11.20 MM	7095	100
DJD010M91329	DUROMASTER JOBBER DRILL 11.30 MM	11.30 MM	7095	100
DJD010M91330	DUROMASTER JOBBER DRILL 11.40 MM	11.40 MM	7095	100
DJD010M91331	DUROMASTER JOBBER DRILL 11.50 MM	11.50 MM	7095	100
DJD010I91332	DUROMASTER JOBBER DRILL 29/64"	29/64"	7095	100
DJD010M91333	DUROMASTER JOBBER DRILL 11.60 MM	11.60 MM	7997	100
DJD010M91334	DUROMASTER JOBBER DRILL 11.70 MM	11.70 MM	7997	100
DJD010M91335	DUROMASTER JOBBER DRILL 11.80 MM	11.80 MM	7997	100
DJD010M91336	DUROMASTER JOBBER DRILL 11.90 MM	11.90 MM	7997	100
DJD010I91337	DUROMASTER JOBBER DRILL 15/32"	15/32"	7997	100
DJD010M91338	DUROMASTER JOBBER DRILL 12.00 MM	12.00 MM	7997	100
DJD010M91339	DUROMASTER JOBBER DRILL 12.10 MM	12.10 MM	8546	100
DJD010M91340	DUROMASTER JOBBER DRILL 12.20 MM	12.20 MM	8546	100
DJD010M91341	DUROMASTER JOBBER DRILL 12.30 MM	12.30 MM	8546	100
DJD010I91342	DUROMASTER JOBBER DRILL 31/64"	31/64"	8546	100
DJD010M91343	DUROMASTER JOBBER DRILL 12.40 MM	12.40 MM	8546	100
DJD010M91344	DUROMASTER JOBBER DRILL 12.50 MM	12.50 MM	8546	100
DJD010M91345	DUROMASTER JOBBER DRILL 12.60 MM	12.60 MM	9251	100
DJD010I91346	DUROMASTER JOBBER DRILL 1/2"	1/2"	9251	100
DJD010M91347	DUROMASTER JOBBER DRILL 12.70 MM	12.70 MM	9251	100
DJD010M91348	DUROMASTER JOBBER DRILL 12.80 MM	12.80 MM	9251	100
DJD010M91349	DUROMASTER JOBBER DRILL 12.90 MM	12.90 MM	9251	100
DJD010M91350	DUROMASTER JOBBER DRILL 13.00 MM	13.00 MM	9251	100

STUB DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DSD010M91000	DUROMASTER STUB DRILL 1.00 MM	1.00 MM	394	500
DSD010M91001	DUROMASTER STUB DRILL 1.10 MM	1.10 MM	394	500
DSD010I91002	DUROMASTER STUB DRILL 3/64"	3/64"	394	500
DSD010M91003	DUROMASTER STUB DRILL 1.20 MM	1.20 MM	394	500
DSD010M91004	DUROMASTER STUB DRILL 1.30 MM	1.30 MM	394	500
DSD010M91005	DUROMASTER STUB DRILL 1.40 MM	1.40 MM	394	500
DSD010M91006	DUROMASTER STUB DRILL 1.50 MM	1.50 MM	394	500
DSD010I91007	DUROMASTER STUB DRILL 1/16"	1/16"	447	500
DSD010M91008	DUROMASTER STUB DRILL 1.60 MM	1.60 MM	447	500
DSD010M91009	DUROMASTER STUB DRILL 1.70 MM	1.70 MM	447	500
DSD010M91010	DUROMASTER STUB DRILL 1.80 MM	1.80 MM	447	500
DSD010M91011	DUROMASTER STUB DRILL 1.90 MM	1.90 MM	447	500
DSD010I91012	DUROMASTER STUB DRILL 5/64"	5/64"	447	500
DSD010M91013	DUROMASTER STUB DRILL 2.00 MM	2.00 MM	447	500
DSD010M91014	DUROMASTER STUB DRILL 2.10 MM	2.10 MM	447	500
DSD010M91015	DUROMASTER STUB DRILL 2.20 MM	2.20 MM	447	500
DSD010M91016	DUROMASTER STUB DRILL 2.30 MM	2.30 MM	435	500
DSD010I91017	DUROMASTER STUB DRILL 3/32"	3/32"	435	500
DSD010M91018	DUROMASTER STUB DRILL 2.40 MM	2.40 MM	435	500
DSD010M91019	DUROMASTER STUB DRILL 2.50 MM	2.50 MM	435	500
DSD010M91020	DUROMASTER STUB DRILL 2.60 MM	2.60 MM	504	500
DSD010M91021	DUROMASTER STUB DRILL 2.70 MM	2.70 MM	504	500
DSD010I91022	DUROMASTER STUB DRILL 7/64"	7/64"	504	500
DSD010M91023	DUROMASTER STUB DRILL 2.80 MM	2.80 MM	504	500
DSD010M91024	DUROMASTER STUB DRILL 2.90 MM	2.90 MM	504	500
DSD010M91025	DUROMASTER STUB DRILL 3.00 MM	3.00 MM	504	500
DSD010M91026	DUROMASTER STUB DRILL 3.10 MM	3.10 MM	537	500
DSD010I91027	DUROMASTER STUB DRILL 1/8"	1/8"	537	500
DSD010M91028	DUROMASTER STUB DRILL 3.20 MM	3.20 MM	573	500
DSD010M91029	DUROMASTER STUB DRILL 3.30 MM	3.30 MM	573	500
DSD010M91030	DUROMASTER STUB DRILL 3.40 MM	3.40 MM	573	500
DSD010M91031	DUROMASTER STUB DRILL 3.50 MM	3.50 MM	573	500
DSD010I91032	DUROMASTER STUB DRILL 9/64"	9/64"	572	500
DSD010M91033	DUROMASTER STUB DRILL 3.60 MM	3.60 MM	677	500
DSD010M91034	DUROMASTER STUB DRILL 3.70 MM	3.70 MM	677	500
DSD010M91035	DUROMASTER STUB DRILL 3.80 MM	3.80 MM	677	500
DSD010M91036	DUROMASTER STUB DRILL 3.90 MM	3.90 MM	677	500
DSD010I91037	DUROMASTER STUB DRILL 5/32"	5/32"	677	500
DSD010M91038	DUROMASTER STUB DRILL 4.00 MM	4.00 MM	677	500
DSD010M91039	DUROMASTER STUB DRILL 4.10 MM	4.10 MM	818	500

STUB DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DSD010M91040	DUROMASTER STUB DRILL 4.20 MM	4.20 MM	818	500
DSD010M91041	DUROMASTER STUB DRILL 4.30 MM	4.30 MM	818	500
DSD010I91042	DUROMASTER STUB DRILL 11/64"	11/64"	818	500
DSD010M91043	DUROMASTER STUB DRILL 4.40 MM	4.40 MM	818	500
DSD010M91044	DUROMASTER STUB DRILL 4.50 MM	4.50 MM	995	500
DSD010M91045	DUROMASTER STUB DRILL 4.60 MM	4.60 MM	995	500
DSD010M91046	DUROMASTER STUB DRILL 4.70 MM	4.70 MM	995	500
DSD010I91047	DUROMASTER STUB DRILL 3/16"	3/16"	995	500
DSD010M91048	DUROMASTER STUB DRILL 4.80 MM	4.80 MM	995	500
DSD010M91049	DUROMASTER STUB DRILL 4.90 MM	4.90 MM	1080	500
DSD010M91050	DUROMASTER STUB DRILL 5.00 MM	5.00 MM	1080	500
DSD010M91051	DUROMASTER STUB DRILL 5.10 MM	5.10 MM	1080	500
DSD010I91052	DUROMASTER STUB DRILL 13/64"	13/64"	1080	500
DSD010M91053	DUROMASTER STUB DRILL 5.20 MM	5.20 MM	1080	500
DSD010M91054	DUROMASTER STUB DRILL 5.30 MM	5.30 MM	1235	500
DSD010M91055	DUROMASTER STUB DRILL 5.40 MM	5.40 MM	1235	500
DSD010M91056	DUROMASTER STUB DRILL 5.50 MM	5.50 MM	1235	500
DSD010I91057	DUROMASTER STUB DRILL 7/32"	7/32"	1235	500
DSD010M91058	DUROMASTER STUB DRILL 5.60 MM	5.60 MM	1235	500
DSD010M91059	DUROMASTER STUB DRILL 5.70 MM	5.70 MM	1369	500
DSD010M91060	DUROMASTER STUB DRILL 5.80 MM	5.80 MM	1369	500
DSD010M91061	DUROMASTER STUB DRILL 5.90 MM	5.90 MM	1369	500
DSD010I91062	DUROMASTER STUB DRILL 15/64"	15/64"	1369	500
DSD010M91063	DUROMASTER STUB DRILL 6.00 MM	6.00 MM	1369	500
DSD010M91064	DUROMASTER STUB DRILL 6.10 MM	6.10 MM	1538	500
DSD010M91065	DUROMASTER STUB DRILL 6.20 MM	6.20 MM	1538	500
DSD010M91066	DUROMASTER STUB DRILL 6.30 MM	6.30 MM	1538	500
DSD010I91067	DUROMASTER STUB DRILL 1/4"	1/4"	1538	500
DSD010M91068	DUROMASTER STUB DRILL 6.40 MM	6.40 MM	1538	500
DSD010M91069	DUROMASTER STUB DRILL 6.50 MM	6.50 MM	1795	500
DSD010M91070	DUROMASTER STUB DRILL 6.60 MM	6.60 MM	1795	500
DSD010M91071	DUROMASTER STUB DRILL 6.70 MM	6.70 MM	1795	500
DSD010I91072	DUROMASTER STUB DRILL 17/64"	17/64"	1795	500
DSD010M91073	DUROMASTER STUB DRILL 6.80 MM	6.80 MM	1795	500
DSD010M91074	DUROMASTER STUB DRILL 6.90 MM	6.90 MM	1795	500
DSD010M91075	DUROMASTER STUB DRILL 7.00 MM	7.00 MM	2006	500
DSD010M91076	DUROMASTER STUB DRILL 7.10 MM	7.10 MM	2006	500
DSD010I91077	DUROMASTER STUB DRILL 9/32"	9/32"	2006	500
DSD010M91078	DUROMASTER STUB DRILL 7.20 MM	7.20 MM	2006	500
DSD010M91079	DUROMASTER STUB DRILL 7.30 MM	7.30 MM	2006	500
DSD010M91080	DUROMASTER STUB DRILL 7.40 MM	7.40 MM	2006	500

STUB DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DSD010M91081	DUROMASTER STUB DRILL 7.50 MM	7.50 MM	2006	500
DSD010I91082	DUROMASTER STUB DRILL 19/64"	19/64"	2177	500
DSD010M91083	DUROMASTER STUB DRILL 7.60 MM	7.60 MM	2177	500
DSD010M91084	DUROMASTER STUB DRILL 7.70 MM	7.70 MM	2177	500
DSD010M91085	DUROMASTER STUB DRILL 7.80 MM	7.80 MM	2177	500
DSD010M91086	DUROMASTER STUB DRILL 7.90 MM	7.90 MM	2688	500
DSD010I91087	DUROMASTER STUB DRILL 5/16"	5/16"	2688	500
DSD010M91088	DUROMASTER STUB DRILL 8.00 MM	8.00 MM	2688	500
DSD010M91089	DUROMASTER STUB DRILL 8.10 MM	8.10 MM	2688	300
DSD010M91090	DUROMASTER STUB DRILL 8.20 MM	8.20 MM	2688	300
DSD010M91091	DUROMASTER STUB DRILL 8.30 MM	8.30 MM	3073	300
DSD010I91092	DUROMASTER STUB DRILL 21/64"	21/64"	3073	300
DSD010M91093	DUROMASTER STUB DRILL 8.40 MM	8.40 MM	3073	300
DSD010M91094	DUROMASTER STUB DRILL 8.50 MM	8.50 MM	3073	300
DSD010M91095	DUROMASTER STUB DRILL 8.60 MM	8.60 MM	3073	300
DSD010M91096	DUROMASTER STUB DRILL 8.70 MM	8.70 MM	3073	300
DSD010I91097	DUROMASTER STUB DRILL 11/32"	11/32"	3237	300
DSD010M91098	DUROMASTER STUB DRILL 8.80 MM	8.80 MM	3237	300
DSD010M91099	DUROMASTER STUB DRILL 8.90 MM	8.90 MM	3237	300
DSD010M91100	DUROMASTER STUB DRILL 9.00 MM	9.00 MM	3237	300
DSD010M91101	DUROMASTER STUB DRILL 9.10 MM	9.10 MM	3245	300
DSD010I91102	DUROMASTER STUB DRILL 23/64"	23/64"	3245	300
DSD010M91103	DUROMASTER STUB DRILL 9.20 MM	9.20 MM	3245	300
DSD010M91104	DUROMASTER STUB DRILL 9.30 MM	9.30 MM	3245	300
DSD010M91105	DUROMASTER STUB DRILL 9.40 MM	9.40 MM	3245	300
DSD010M91106	DUROMASTER STUB DRILL 9.50 MM	9.50 MM	3245	300
DSD010I91107	DUROMASTER STUB DRILL 3/8"	3/8"	3806	300
DSD010M91108	DUROMASTER STUB DRILL 9.60 MM	9.60 MM	3806	300
DSD010M91109	DUROMASTER STUB DRILL 9.70 MM	9.70 MM	3806	300
DSD010M91110	DUROMASTER STUB DRILL 9.80 MM	9.80 MM	3806	300
DSD010M91111	DUROMASTER STUB DRILL 9.90 MM	9.90 MM	4206	300
DSD010I91112	DUROMASTER STUB DRILL 25/64"	25/64"	4206	300
DSD010M91113	DUROMASTER STUB DRILL 10.00 MM	10.00 MM	4206	300
DSD010M91114	DUROMASTER STUB DRILL 10.10 MM	10.10 MM	4562	100
DSD010M91115	DUROMASTER STUB DRILL 10.20 MM	10.20 MM	4562	100
DSD010M91116	DUROMASTER STUB DRILL 10.30 MM	10.30 MM	4562	100
DSD010I91117	DUROMASTER STUB DRILL 13/32"	13/32"	4562	100
DSD010M91118	DUROMASTER STUB DRILL 10.40 MM	10.40 MM	4562	100
DSD010M91119	DUROMASTER STUB DRILL 10.50 MM	10.50 MM	4562	100
DSD010M91120	DUROMASTER STUB DRILL 10.60 MM	10.60 MM	4882	100

STUB DRILLS

MATERIAL CODE	ITEM DESCRIPTION	SIZE	LIST PRICE (RS.) PER 10 PCS	MOQ
DSD010M91121	DUROMASTER STUB DRILL 10.70 MM	10.70 MM	4882	100
DSD010I91122	DUROMASTER STUB DRILL 27/64"	27/64"	4882	100
DSD010M91123	DUROMASTER STUB DRILL 10.80 MM	10.80 MM	4882	100
DSD010M91124	DUROMASTER STUB DRILL 10.90 MM	10.90 MM	4882	100
DSD010M91125	DUROMASTER STUB DRILL 11.00 MM	11.00 MM	4882	100
DSD010M91126	DUROMASTER STUB DRILL 11.10 MM	11.10 MM	5045	100
DSD010I91127	DUROMASTER STUB DRILL 7/16"	7/16"	5045	100
DSD010M91128	DUROMASTER STUB DRILL 11.20 MM	11.20 MM	5045	100
DSD010M91129	DUROMASTER STUB DRILL 11.30 MM	11.30 MM	5045	100
DSD010M91130	DUROMASTER STUB DRILL 11.40 MM	11.40 MM	5045	100
DSD010M91131	DUROMASTER STUB DRILL 11.50 MM	11.50 MM	5045	100
DSD010I91132	DUROMASTER STUB DRILL 29/64"	29/64"	5045	100
DSD010M91133	DUROMASTER STUB DRILL 11.60 MM	11.60 MM	5655	100
DSD010M91134	DUROMASTER STUB DRILL 11.70 MM	11.70 MM	5655	100
DSD010M91135	DUROMASTER STUB DRILL 11.80 MM	11.80 MM	5655	100
DSD010M91136	DUROMASTER STUB DRILL 11.90 MM	11.90 MM	5655	100
DSD010I91137	DUROMASTER STUB DRILL 15/32"	15/32"	5655	100
DSD010M91138	DUROMASTER STUB DRILL 12.00 MM	12.00 MM	5655	100
DSD010M91139	DUROMASTER STUB DRILL 12.10 MM	12.10 MM	6263	100
DSD010M91140	DUROMASTER STUB DRILL 12.20 MM	12.20 MM	6263	100
DSD010M91141	DUROMASTER STUB DRILL 12.30 MM	12.30 MM	6263	100
DSD010I91142	DUROMASTER STUB DRILL 31/64"	31/64"	6263	100
DSD010M91143	DUROMASTER STUB DRILL 12.40 MM	12.40 MM	6263	100
DSD010M91144	DUROMASTER STUB DRILL 12.50 MM	12.50 MM	6263	100
DSD010M91145	DUROMASTER STUB DRILL 12.60 MM	12.60 MM	6899	100
DSD010I91146	DUROMASTER STUB DRILL 1/2"	1/2"	6899	100
DSD010M91147	DUROMASTER STUB DRILL 12.70 MM	12.70 MM	6899	100
DSD010M91148	DUROMASTER STUB DRILL 12.80 MM	12.80 MM	6899	100
DSD010M91149	DUROMASTER STUB DRILL 12.90 MM	12.90 MM	6899	100
DSD010M91150	DUROMASTER STUB DRILL 13.00 MM	13.00 MM	6899	100

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INDIAN TOOL MANUFACTURERS
(DIVISION OF BIRLA PRECISION TECHNOLOGIES LTD)
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Plant II : B-15/3/1, MIDC, Waluj,
Aurangabad - 431 133,
Maharashtra,
India

operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

Plant I : Design, Manufacture and Supply of Drills, Cutters, Reamers, Taps and Masonry Drills.
Plant II : Manufacture and Supply of Drills, Taps and Tool Bits.

Certificate Registration No.**44 100 020841**
Audit Report No.**2.5-0430/2002**

Valid from **14.06.2023**
Valid until **30.05.2026**
Initial certification **17.05.2002**

Certification Body
at TÜV NORD CERT GmbH

Mumbai, **14.06.2023**

TÜV NORD CERT GmbH Am TÜV 1 45307 Essen www.tuev-nord-cert.com

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