DEVANSH
Tools

PRIDE OF THE METAL CUTTING INDUSTRY SINCE 2015

MADE FOR THE BEST

MANUFACTURERS OF ALL TYPE OF

CUTTING TOOLS

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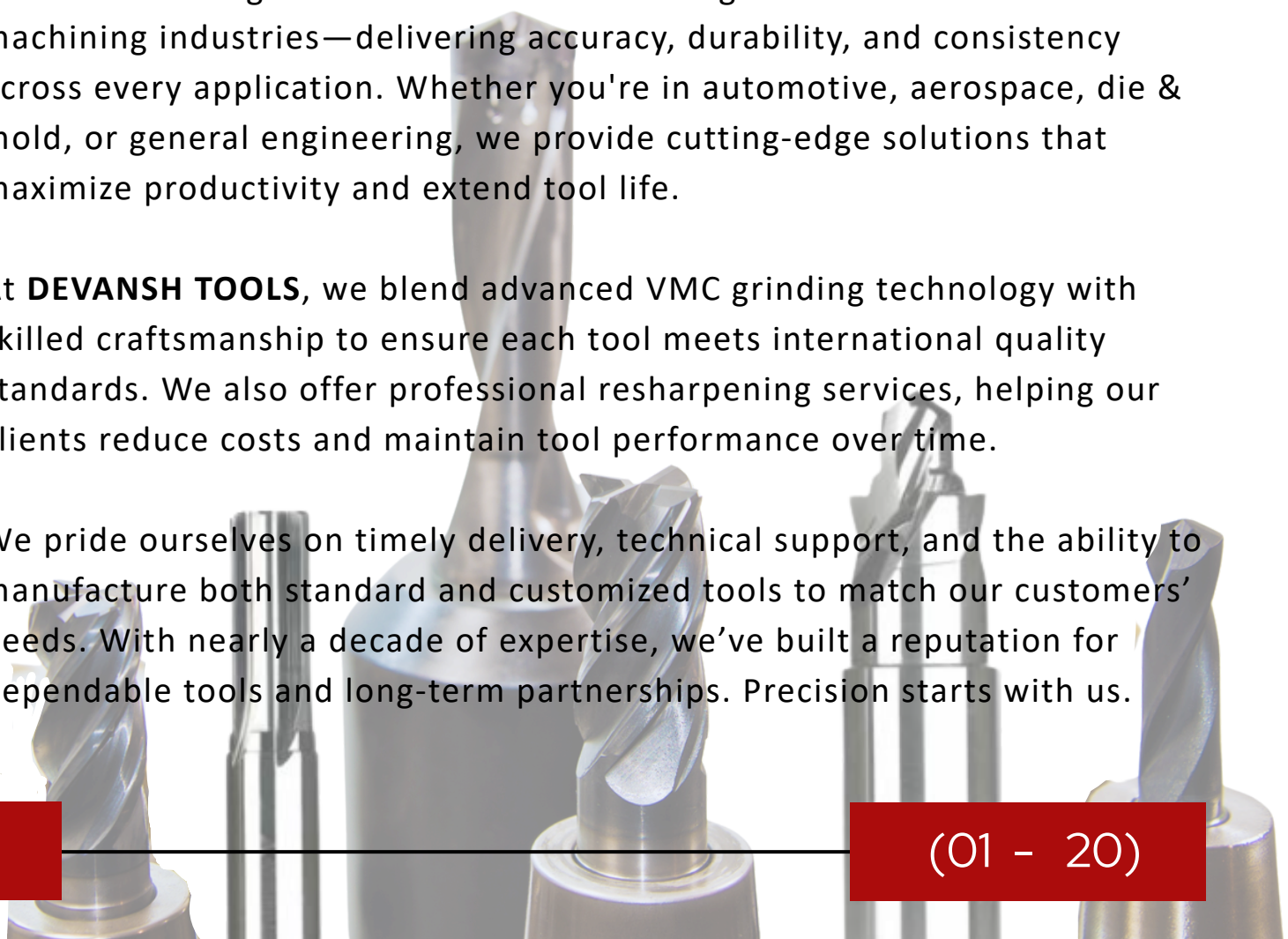
About us

Established in 2015, **DEVANSH TOOLS** is a leading manufacturer of high-precision carbide cutting tools built for performance and reliability. With a strong foundation in innovation and quality, we specialize in producing a wide range of tools including special customized tools, End Mills,Corner radius End Eills Drills, Step Drills, Reamers, Hole Mills, Ball Nose Cutters, Custom Form Tools, and Resharpening Tools.

Our tools are engineered to meet the exacting demands of modern machining industries—delivering accuracy, durability, and consistency across every application. Whether you're in automotive, aerospace, die & mold, or general engineering, we provide cutting-edge solutions that maximize productivity and extend tool life.

At **DEVANSH TOOLS**, we blend advanced VMC grinding technology with skilled craftsmanship to ensure each tool meets international quality standards. We also offer professional resharpening services, helping our clients reduce costs and maintain tool performance over time.

We pride ourselves on timely delivery, technical support, and the ability to manufacture both standard and customized tools to match our customers' needs. With nearly a decade of expertise, we've built a reputation for dependable tools and long-term partnerships. Precision starts with us.



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SOLID CARBIDE STEP DRILL

FEATURES

- 2, 3 or 4 flute
- Helical or straight flute
- Single or multiple diameter
- Single or double margin
- Solid or coolant through

APPLICATION

- Specific point geometries
- Micro engineered edge prep
- Coated to maximize performance, the high efficiency in drilling
- Suitable for drilling tap holes with countersinks
- Automotive Industry
- Industrial Application

DEVANSH TOOLS offers a complete range of high performance, general purpose, finishing, roughing, high-speed, micro, and material-specific S/C Step drill for high productivity and extended tool life.

HSN2 coating for higher life , SC drill that offers a one-pass solution in steels and irons in traditional tap sizes to reduce cycle time and increase productivity.Drilling and chamfering in one shot.The highly polished surface ensures superior chip evacuation even when low-pressure coolant is applied.

Drill ordrill machining tools used for making round holes in solid material. Drilling tools are End cutting tools designed for producing holes in work piece..

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SOLID CARBIDE TCH DOUBLE MARGINE LONG DRILLS

FEATURES

- Improved surface quality,
- Borehole cylindricity and straightness
- Recommended cutting data are sames as for single margin solid carbide drill,
- HSN2 Coating for longer tool life

APPLICATION

- Best suited for steel machining
- ALUMIMIUM maching
- Aerospace Industry

Design with wide chip pockets for excellent chip control and chip evacuation.the new HSN2 COATING exclusively for drills, enables stable and long tool life over a wide variety of work materials and applications.Provides stable drilling with no wobbling for small machines, better hole finsih with double margin.

Wo guiding areas on two cutting edges enable reliable high quality hole machining in relation to the cylindricity and straightness including close hole tolerance, premium surface roughness and production stability which provide By Devansh Cutting Tools.

Tips
1) Ensure surface is prepared/machined before drilling
2) Use the special DEVANSH Pilot drill for pre drilling
3) Check for wear on Pilot drill during operation, which can lead to premature failure of the tool
4) Ensure adequate coolant pressure and good filtration of coolant

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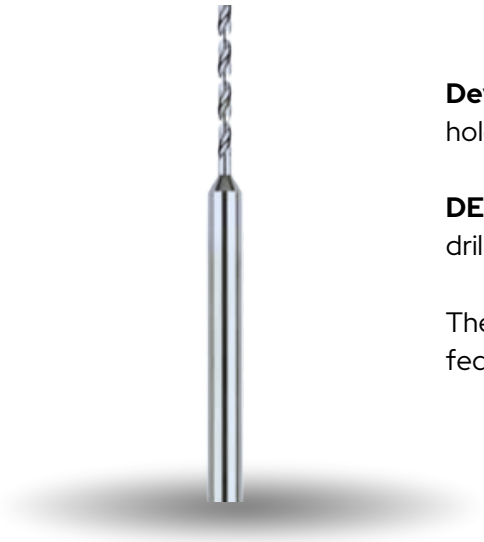
MICRO DRILL

FEATURES

- Strong geometry
- Smooth flute form
- High Accuracy
- Reliable high quality hole

APPLICATION

- Automotive Industry
- Aerospace Industry
- Coated to maximize performance, the high efficiency in drilling
- Medical Equipment Industry
- It is used in small part of production in general engineering Industry



Devansh Tools micro twist drill bits are excellent for producing smooth, precision holes and drilling through all hard metals.

DEVANSH TOOLS offers a family of small diameter carbide micro drill for precision drilling in medical, aerospace and the automotive industry.

The Exclusive Line of high precision carbide drills are available in solid and coolant fed carbide designs from 0.30 mm to 3.0 mm diameter.

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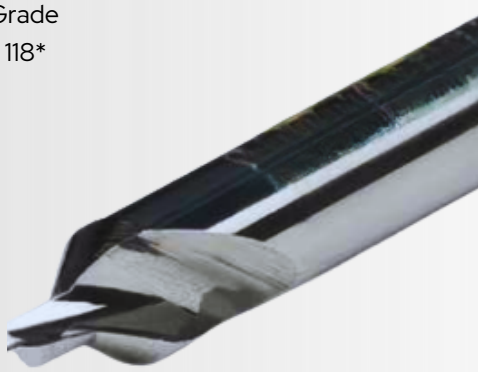
CARBIDE CENTER DRILL

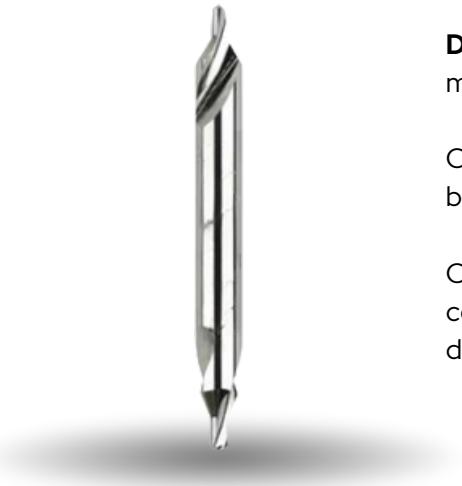
FEATURES

- Better Life & productivity
- HSN2 COATING for less wear
- Made from Micro-Fine Carbide Grade
- Carbide Center Drills comes with 118* Point angle



APPLICATION

- Automotive Industry
- Aerospace Industry
- Spring Manufacturing Industry
- Other manufacturing Industry
- Bearing Industry Furniture manufacturing.



DEVANSH TOOLS make center drills are used in Automotive, Aerospace & other manufacturing industry

Center Drills are used for providing centering holes on shafts faces, so to hold them between centers for other CNC job work.

Carbide Center Drill bits are Good for large batch production.Carbide Center Drills comes with varied chamfer angles of 45° / 60° or as per customer request or drawings

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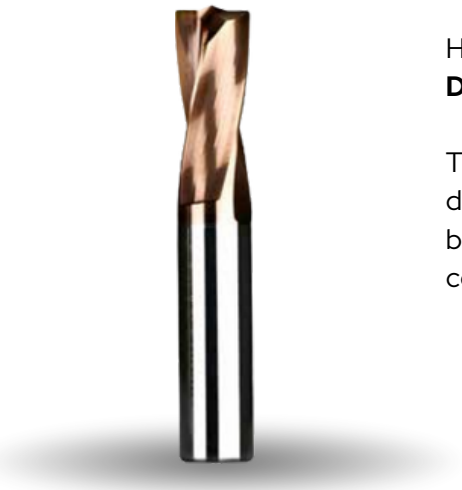
SOLID CARBIDE RATIO DRILLS

FEATURES

- strong break point geometry
- Smooth flute form
- High accuary
- Reliable high quality hole
- Tolearnce achived within 7 micron
- Creates a true flat-bottom hole from O.D. to center

APPLICATION

- Machining of mining bits
- Heat-treatable stills
- Spring Manufacturing Industry



High ratio generally used for the machining of mining bits, **DEVANSH TOOLS** provide the best soluation for this.

The bits which require high accuary hole as tolearnce given, Accusharp make ratio drills used for drilling a high accuary holes with higher parameters. No retarct line, no burr folding. Eliminate the 180° end mill in flat-bottom drilling, geometry-combinations available to cover most common materials

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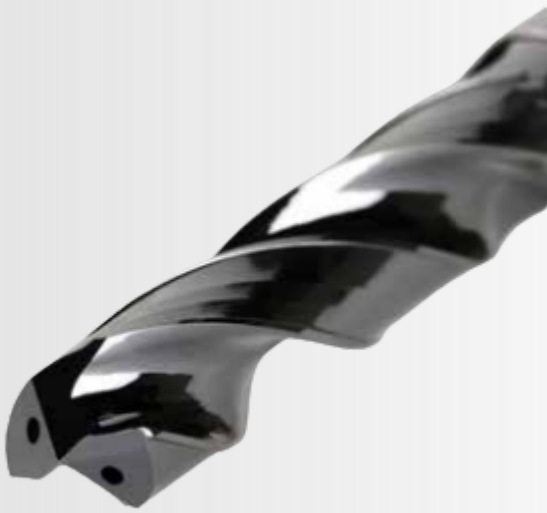
SOLID CARBIDE TCH DOUBLE MARGINE DRILLS

FEATURES

- Devansh Tools Drills stays on center
- It is highly Water-Resistant helping to maintain hole size accuracy
- Cutting Edge and special flute geometry to promote smooth chip evacuation.
- Devansh Tolls, Drill powers the cutting resistance and power consumption chips are broken into a compact shape for excellent chip disability to prevent jamming
- Smooth curled chips are produced Good chip control is due to efficient chip breaking,



APPLICATION

- Used for all STELL and CASTITON and SS material.
- Aerospace Industry
- Energy Industry

DEVANSH TOOLS Solid Carbide TCH Double Margin Long Drills reduced 80% cycle time as compared to Conventional deep hole drilling.

Double margin drills have a second margin ground behind the main margin. The trailing margin burnishes the cavity, making a true hole and smoother finish while providing a more accurate, rounder drilled hole and frequently eliminating the need for reaming.

HSN2-based coating with high hot hardness allows 30% higher cutting speeds and constant tool life.Four-margin lands improve hole straightness and hole alignment when drilling through cross holes.

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SOLID CARBIDE ENDMILL 4 FLUTE

FEATURES

- Multiple helix and index options
- Straight or tapered
- Square, chamfer or radius corner
- Single or multiple diameter
- Solid or coolant through Coated to maximize performance
- Helix changes along flutes
- Increased stability during cutting action Substantial increases in speed
- Small corner radius for added
- Strength and smoother cutting action
- HSN2 coated for improved tool life and increased production output Made from premium submicron grain carbide

APPLICATION

- Die &Mould Industry
- Aerospace Industry
- Automobile Industry

DEVANSH TOOLS End mill available in 25 TO 40 degree helix , used for genral milling is most of medium hardness materials such as steel, SS, brass, iron and non ferrous material made from preium sub micron grade. Most supplied in Die and mould, Automoble sectors, Aerospace industries etc. Solid Carbide Cutting Tools for milling up to 65-HRc hardened die steel & tool steel like D2, D3, H13 etc. End mill is a cutting tool used for end milling operations.

Uses of endmill :

• End mills are used for making shapes and holes in a workpiece during milling and reaming applications.

• It used to cut features like slot, channels, walls, free from surfaces.

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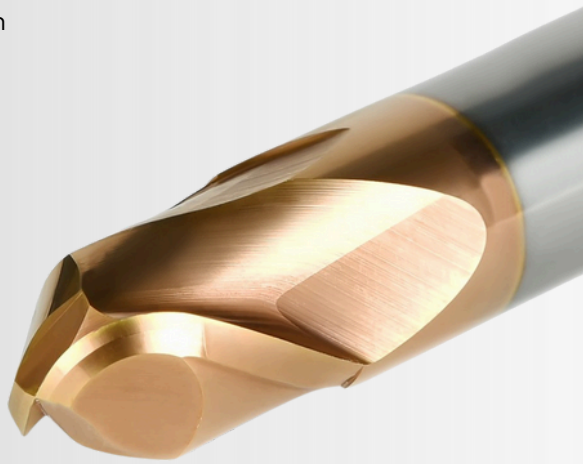
SOLID CARBIDE BALL NOSE 2 FLUTE

FEATURES

- Chip breaking geometry
- Excellent heat dissipation during heavy cutting operations
- Single or double margin
- Solid or coolant through

APPLICATION

- Power generation Industry
- Medical Industry
- Aerospace Industries
- Die & Mould Industries



DEVANSH TOOLS manufactures a variety of roughers for a wide range of materials and conditions. Heavy cuts can be achieved because our roughing end mills have a much higher effective feed per tooth than a conventional end mill. Normally a 20% reduction in effective horsepower is used. Roughers have chip-breaker cutting edges, the "peaks" on each cutting edge provide the cutting action producing short fat chips rather than long stringy chips produced by conventional mills.

DEVANSH TOOLS roughers remove more metal in less time than other types of end mill. Our tools can take heavier cuts at higher speeds with less chatter and vibration. The tooth form, both coarse and fine pitch, provides excellent heat dissipation during heavy cutting operations, making the tool especially effective for cutting high tensile steels.

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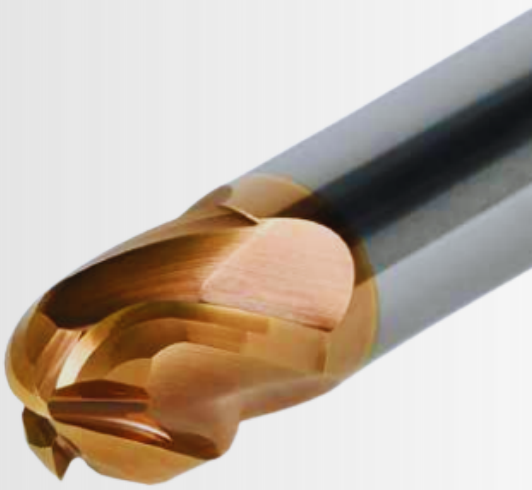
SOLID CARBIDE BALL NOSE 4 FLUTE

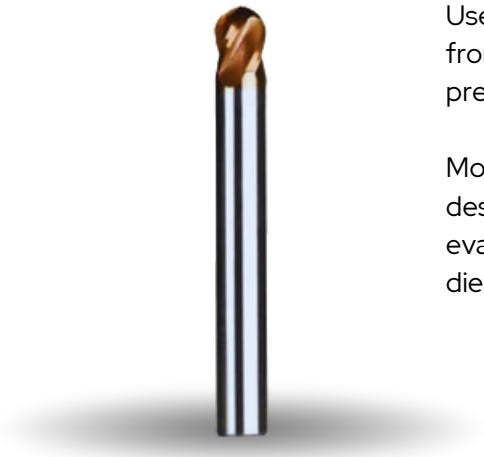
FEATURES

- Stub
- StandardLong Length
- Extra Long Length
- STRONG GEOMETRY for high perforamnce

APPLICATION

- Automobile sector
- Aerospace Industries
- Die & Mould Industries





Use for radius and contouring part , surfaces. Designed to cut materials ranging , from nickel base alloy, stainless, tough alloys, abrasive and non ferrous. Made from premium submicron grain carbide.

Most supplied in Die and mould, Automoble sectors, Aerospace industries etc. The design of **DEVANSH TOOLS** a two flute ball end mill allows for plenty of chip evacuation making them most effective in contouring deep pockets in molds and dies.

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HOLE MILL

FEATURES

- TO CORRECT THE AXIS OF DRILLED TAPER HOLE, he stock for reaming is different for each type of material IS AS BELOW
- Steel & CI 0.3-0.4 mm
- Aluminium 0.5-0.6 mm
- Titanium 0.2-0.3 mm
- Reliable
- Finie finish

APPLICATION

- It is generally used for axis correction before reaming as drilled holes are taper
- Used in different industrial Application
- Holemill give correct shapes to hole as need for reaming
- Aerospace Industry

A Hole-mill is normally an undersized reamer with a boring geometry i.e. the size of the hole-mill is normally 0.2-0.6mm more than the size of the drill so that there are no drill marks on the hole plus the hole axis is corrected for subsequent reaming operation.

Generally used for axis correction before reaming as drilled holes are taper. holemill give corrct shapes to hole as need for reaming

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SOLID CARBIDE REAMER

FEATURES

- Multiple flute options
- Helical or straight flute
- Straight, tapered or step designs
- Titanium 0.2-0.3 mm
- Reliable
- Finie finish

APPLICATION

- Power generation Industry
- Medical Industry
- Aerospace Industry
- Die & Mould Industries

DEVANSH TOOLS Reamer is a type of rotary cutting tool used for surface finishing operation along with controlled tolerated hole. A typical reamer geometry consists of parallel/ straight or helical cutting edges along the length of a cylindrical body. All cutting edge are ground at a slight angle and with a slight undercut below the cutting edge. This ensures a long life for the reamer and a superior finish to the hole. having HSN2 and Alcorna coating for good surface finsih and less wear of tool. using high parametrs with the best desgin.

Availble in straight, helical degin with Solid and TCH form. Reaming is a part of the precision machining process or finishing process. holes are mainly reamed in case of special requirements around surface quality, roundness, cylindricity and diameter tolerance.

Uses of Reamer: • Reamer is a rotary cutting tool used in metal working • The process of enlarging the holes is called reaming • Reamer tool for those who are looking for more precise hole • Reamer cannot be used to originate a hole

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COMBINATION REAMER

FEATURES

- Multi step
- Super surface finish
- Super surface finish
- Productivity improvement

APPLICATION

- Suitable for all steel stainless steel, hardened steel
- Mix alloyed steel material

A combination reamer has two or more cutting diameters. The advantage of using a combination reamer is to reduce the number of operations, while more correctly holding depths, internal diameters and ensuring aligned centricity.

Suitalble for all stell stainless stell, harden steel and mix alloyed steel material. HSN2 coating get good tool life and less wear resistant.

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SOLID CARBIDE INJECTOR BORE REAMER

FEATURES

- Increased Tool Life 2x
- Super surface finish
- Excellent Roundness and Size Control
- Enhanced Feature TIR
- Lowered CPU

APPLICATION

- Automobile Industry

DEVANSH TOOLS offers training to customers on the shop floor on selection, proper utilisation and application of the reaming tools. Used in automoile industries **DEVANSH** provide the best solution for this. Often reamers are manufactured by combining several steps thereby drastically reducing the cycle time and at the same time ensuring highest geometrical accuracies. All High Precision bores in Steel & cast Iron in the range of IT7 – IT9 class of tolerance. Finish Ream Fuel Injector Bore Coated Solid Carbide Tool High Pressure Through Coolant 345 RPM, 227 mm/min.

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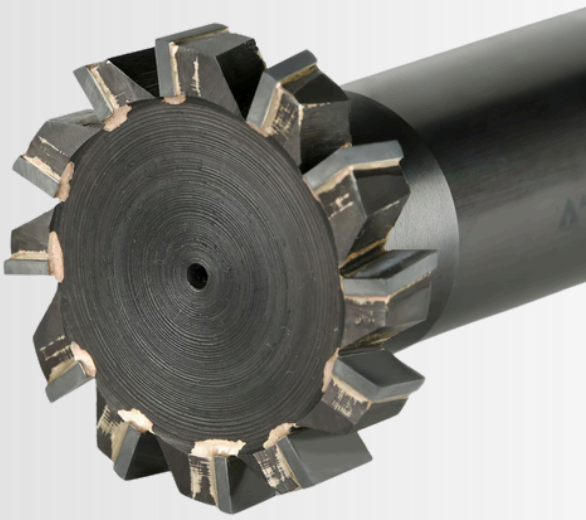
BRAZED CARBIDE T SLOT CUTTER

FEATURES

- Due to alternate set teeth (staggered), high cutting performance is achieved .
- Best grade material
- Strong body
- Compact size
- Superior Quality



APPLICATION

- Die and Mould Industry
- Automotive Industry
- Applicable Machinary : CNC and TRaditional Lathe .

DEVANSH TOOLS offers a complete range of Solid Carbide TIP T-Slot Cutter with high performance, general purpose, finishing, roughing, high-speed, micro, and material-specific

Solid Carbide tip T-Slot Cutter for high productivity and extended tool life. T-Slot / Carbide cutter suitable for T-grooving and milling. Unlike with key sheaths, both side faces are bladed so it is also suitable for processing T grooves. Made from solid carbide tip to support high precision groove machining

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CARBIDE T SLOT CUTTER

FEATURES

- Staggered design high cutting performance
- Strong body
- Compact size availble in 1 to 15 mm width
- Superior Quality

APPLICATION

- Aerospace Industry
- Automotive Industry
- Applicable Machinary : CNC and TRaditional Lathe .
- Energy Industry

DEVANSH TOOLS offers a complete range of Solid Carbide T-Slot Cutter with high performance, The mill cuts on all three sides.Unlike with key sheaths, both side faces are bladed so it is also suitable for processing T grooves.

Made from solid carbide to support high precision groove machining.

The machinability has been improved due to the staggered blade shape.

A long type that supports deep processing. used in all automoble, aerospace, energy industires for key way milling.

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PORT TOOL

FEATURES

- Perfect concentricity
- Easy Complex form
- High accuracy
- Cost saving
- Solid Carbide or Brazed Tipped
- Solid or coolant through Coated to maximize performance
- Multiple flute options
- Helical or straight flute
- Standard SAE or specials

APPLICATION

- Machine Industry

Porting tools are designed to cut into pre-drilled holes and create a complex form with ease. With the use of porting tools, you can create precise detailed holes, accurate plunge and done ports. **DEVANSH TOLLS** also offers drill cum port forming counter bore tool to perform operation in one go without any pre drill to save up time and cost.

The Port counter bore holes to ISO, SAE' ROSAN & other international standards as well custom built tools. Port counter bore tools are manufactured with high degree ofprecision for accurate seat for seals on the component.Tool are normally available with counter bores but also can be offered without counter bores.

DEVANSH TOOLS is a complete source of special tools from diameters as small as 2 mm to 60 mm. **DEVANSH TOLLS** provides you with the best range of specialized tools,with an assurance of effective and timely Delivery.our specialized tools have aproven track record of increasing productivity and optimising cost.

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PCD REAMERS

FEATURES

- **High-Precision Reaming**
  Engineered for accurate hole sizing with superior surface finish.
- **Optimized for Non-Ferrous Materials**
  Ideal for aluminum, magnesium, brass, copper alloys, and other soft metals.
- **High-Speed Machining Capability**
  Supports spindle speeds of 8,000–12,000 RPM, significantly higher than carbide reamers.
- **Extended Tool Life**
  PCD cutting edges ensure exceptionally long service life with minimal wear.

APPLICATION

- Automobile Industry
- Engine blocks
- Cylinder heads
- Transmission housings
- Gear cases
- Steering components
- Brake & wheel assembly parts

Devansh Tools is a leading manufacturer of PCD (Polycrystalline Diamond) Reamers in India, specially designed for high-precision machining in the automobile industry. Our PCD reamers are widely used for machining non-ferrous components such as engine parts, transmission housings, wheel hubs, brake components, and more.

Why Choose Devansh Tools PCD Reamers?

- Ideal for Non-Ferrous Metals
- PCD delivers exceptional results when reaming aluminum, magnesium, copper alloys, and other non-ferrous materials.
- Higher Productivity
- PCD reamers allow significantly faster machining cycles. They typically operate at 8,000 – 12,000 RPM, compared to carbide reamers that run at about 2,500 RPM.
- Superior Finish Quality
- These tools produce cleaner, smoother holes—often eliminating the need for secondary finishing operations.
- Longer Tool Life
- PCD reamers last much longer than traditional carbide tools, ensuring consistent results without frequent tool changes and reducing machine downtime.
- Precision & Consistency
- Designed with tight tolerances to deliver exceptional accuracy in high-volume automotive production.

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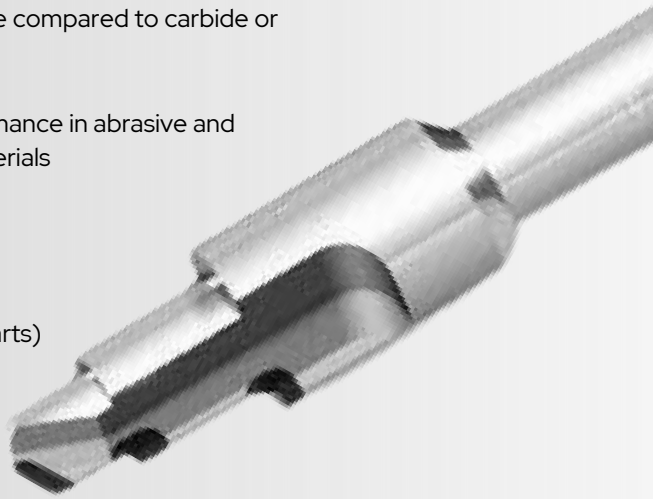
PCD STEP REAMER

FEATURES

- PCD cutting edges for extreme wear resistance
- Multiple step geometry for machining different diameters in one pass
- High accuracy & superior surface finish
- Suitable for high-speed machining
- Extended tool life compared to carbide or HSS reamers
- Excellent performance in abrasive and non-ferrous materials



APPLICATION

- Automotive components (gearbox housings, engine blocks, aluminium parts)
- Aerospace components (composites, aluminium, titanium alloys)
- Precision hole finishing in aluminium, copper, brass, magnesium
- Machining fiber-reinforced plastics (FRP, CFRP)
- High-production line reaming where long tool life is essential
- Multi-stage hole machining in one setup

A PCD Step Reamer is a high-precision cutting tool designed for multi-diameter hole finishing in a single operation. Manufactured with Polycrystalline Diamond (PCD) cutting edges, it delivers exceptional wear resistance, long tool life, and superior surface finish—ideal for machining non-ferrous materials and abrasive composites.

PCD Step Reamers ensure accurate concentricity and improved productivity by combining multiple step reaming functions into one tool.

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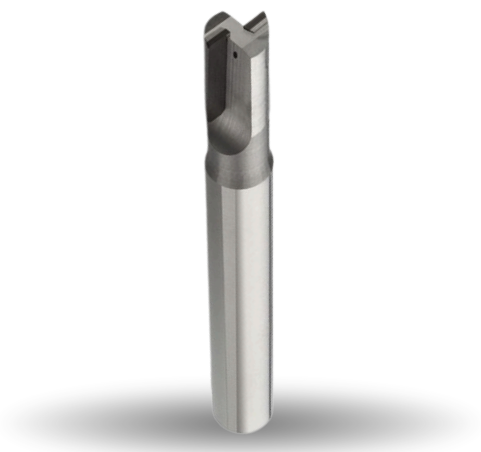
PCD ENDMILL

FEATURES

- Ultra-hard PCD cutting edges for maximum wear resistance
- Superior surface finish and dimensional accuracy
- Extremely long tool life compared to carbide end mills
- Ideal for high-speed machining (HSM)
- Excellent performance in non-ferrous & abrasive materials
- Reduced tool wear, minimal chipping

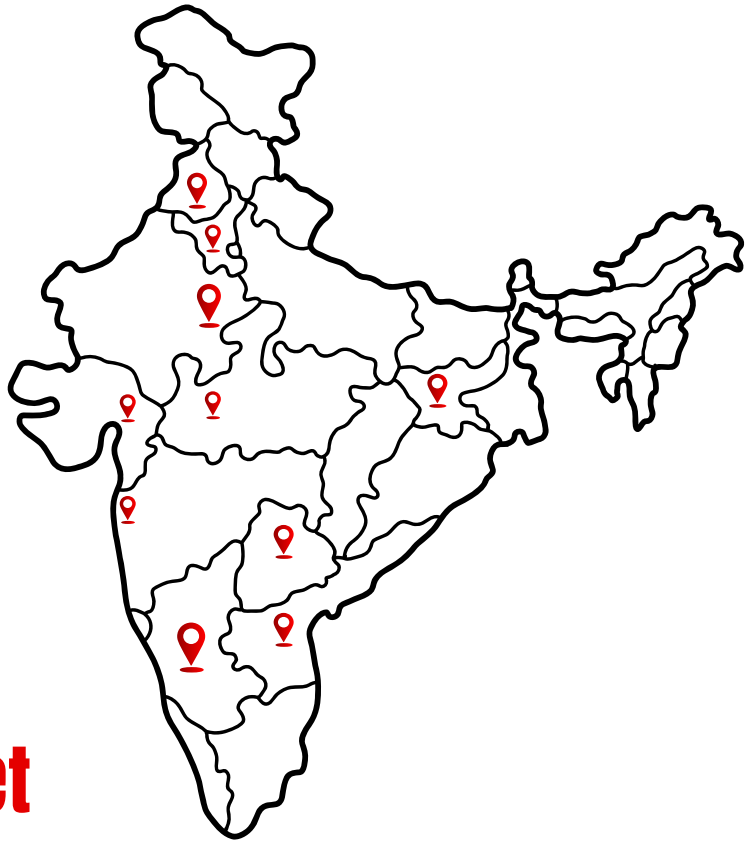
APPLICATION

- Machining aluminium alloys (automotive, aerospace, electronics)
- Cutting copper, brass, magnesium, and other non-ferrous metals
- Machining composites (CFRP, GFRP)
- Graphite machining (electrodes, moulds)
- High-speed finishing of die & mould components
- High-volume production where tool life is critical



PCD End Mill

PCD End Mills are high-performance cutting tools made with Polycrystalline Diamond (PCD) cutting edges, designed for machining non-ferrous and abrasive materials with exceptional precision. They offer extreme wear resistance, ultra-long tool life, and superior surface finish, making them ideal for high-speed and high-volume production environments. PCD End Mills significantly outperform carbide tools in terms of tool life and consistency.



Our Market

DEALER NETWORK REGION IN INDIA

BANGALORE	DELHI	ADITYAPUR	GUJRAT
RAJKOT	JAIPUR	FARIDABAD	HARIYANA
CHENNAAI	LUDHIANA	KOLHAPUR	SOLAPUR
INDORE	AHMEDABAD	PUNE	NASHIK
HYDERABAD	MUMBAI	AHILYANAGR	CH. SAMBHAJINAGAR

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MADE FOR THE BEST