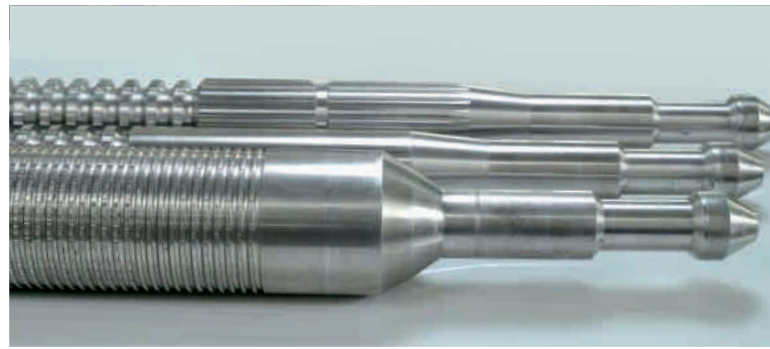
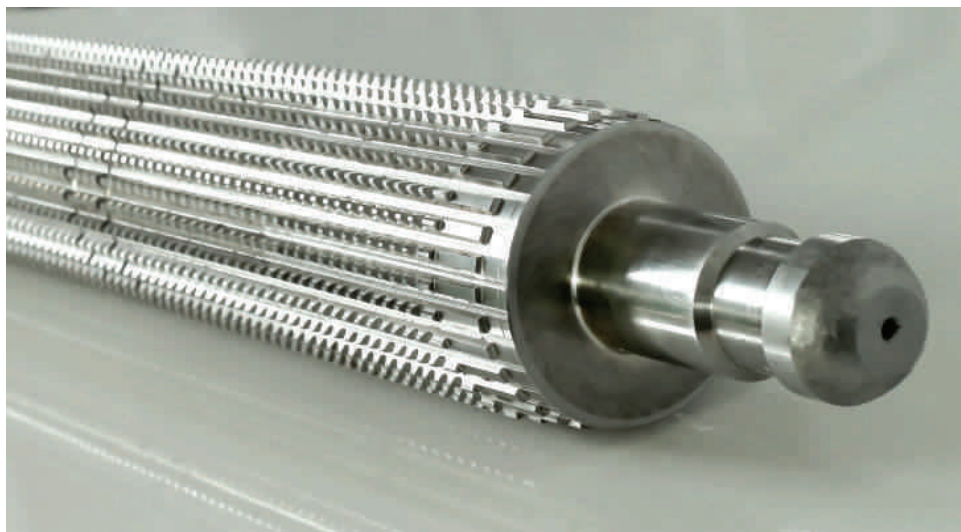


MAHEEN BROACHES

Shaping Your Ideas



Scan for web

A House of Quality Broaches &
Broaching Machines

About us



Maheen Broaches has been designing and manufacturing precision broaches and Broaching Machines for more than three decades now – recognized all over the nation & abroad as well for quality, durability, and engineering detail.

We are the most sought after supplier of all types of broaches, standard and customized broaching machines, gauges, mandrels, drifts, reamers, cutters, broaching pullers and retrievers, component holding fixtures in many countries, offering services to a wide variety of businesses. Our record of design ingenuity, fast delivery, and courteous follow-up is unsurpassed.

Infrastructure

We are an ISO 9001 certified company and use imported HSS (M2, M35, T42), ASP 2030 material for manufacturing broaches so that the life of the tool gets enhanced hence reducing ppc (price per cost).

We have a fleet of Hi-tech imported machines employed at each step of production starting from cutting (Band Saw) till grinding via CNC spline grinding and CNC Profile Grinding machines which elevates our capability to handle bulk requirements of our customers with highest degree of accuracy on scheduled time.

Broaching Job Work –We house a separate set of Fully Automatic Broaching Machines for Broaching Job Work. These Include in-house manufactured FOCUS brand Broaching Machines of capacity (2000mm x 20 tonne), (1200 x 10 tonne), push Type Broaching Machine (400 x 3 tonnes) etc.

We have a complete set up of body fabrication facilities for manufacturing of Broaching Machines as well as design and manufacturing of hydraulic power pack. This set up also includes US made Bed Mill Machine, CNC lathe Machines, CNC Wire Cut Machines etc.

Services

Resharpener & Repairing

Contract Broaching

Turnkey Projects

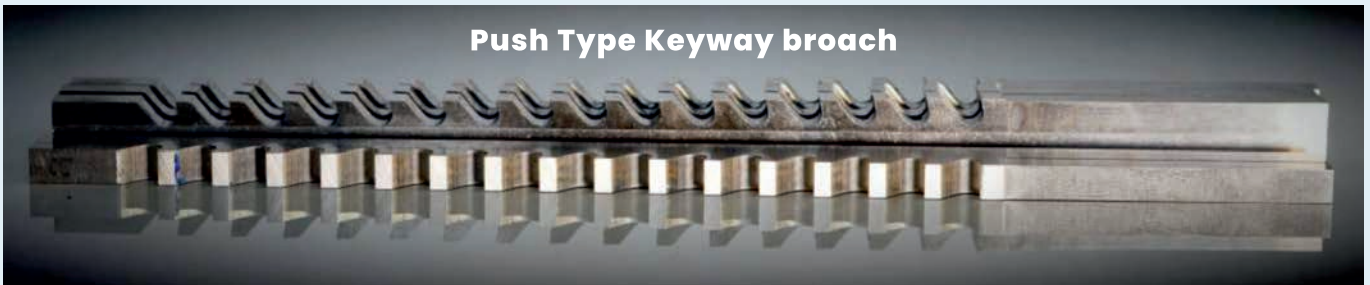
Broaches

A broach is a long multi-tooth cutting tool with successively deeper cuts. The broaching process is used to machine internal and external surfaces such as holes of circular, square, or irregular shapes, keyways and teeth of internal gears. We manufacture standard and custom involute, parallel, straight, serration spline, square, helical, keyway etc broaches which are available in dia. 8mm to 225mm and length 2000 mm. They are made from imported high speed steel M2, M35, M42, ASP2030, ASP2052 etc. We follow international standards in broaching like, DIN 5480, 5481, 5482, HES, JIS, ANSI etc.

Keyway Broaches

The keyway broach is one of the more common forms of internal broaches. A keyway broach cuts a slot in the bore of the workpiece and is supported by a fixture, referred to as a spigot, which locates where the keyway is to be cut.

Push Type Keyway broach



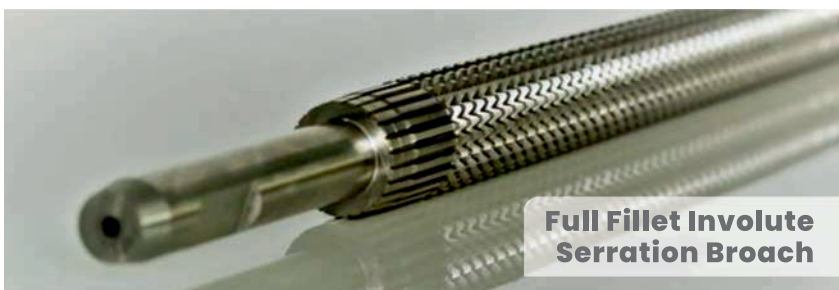
Pull Type Keyway Broach



Full Fillet Keyway Broach

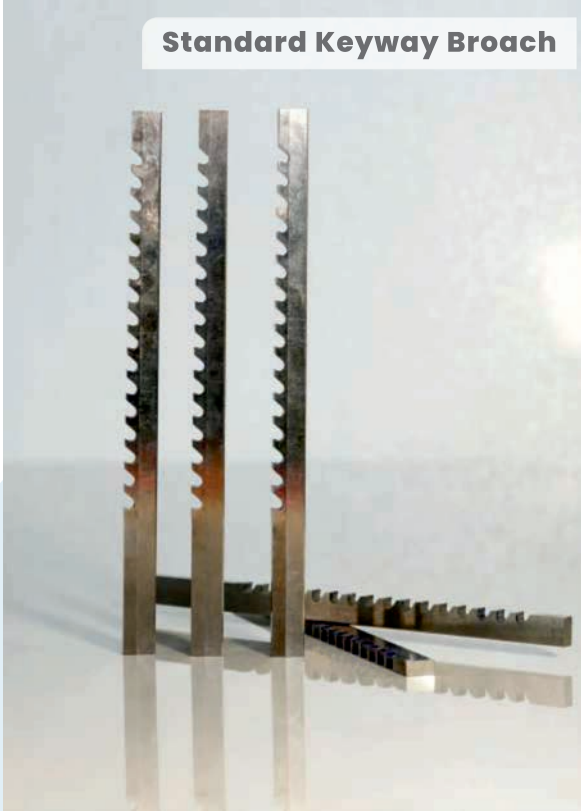


Internal broaching is mainly used to enlarge holes and cut shapes on the inside surface of a part.



We manufacture all types of Standard Broaches like Round Broach, Hexagon Broach, Square Broach, Keyway Broach etc . along with their Bushings and Shims according to DIN 6885 standards.

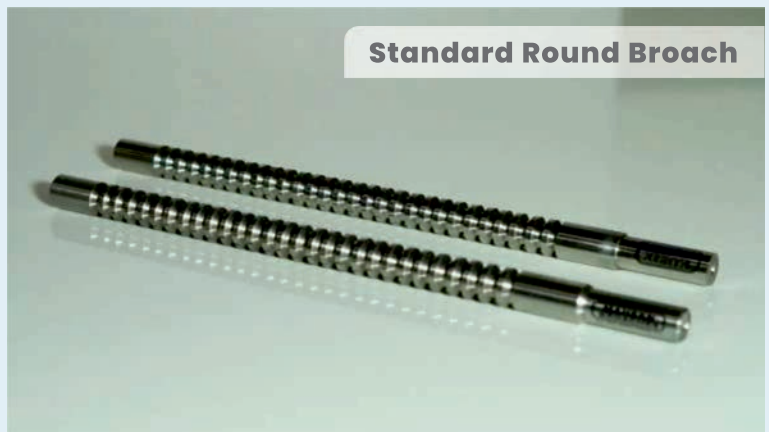
Standard Keyway Broach



Standard Square Broach



Standard Round Broach



Surface/External Broaches

External Broaches

External broaches removes material from the exterior of the workpiece and is referred to as surface broaching.

Flat & Form Broach



Gear Shifter Broach



Height Broach



Gauges

Spline gauges provide a quick method of inspecting involute splines, serration splines and straight sided splines. We manufacture gauges in set of GO and NOGO type in serration, straight spline, involute spline and for special profiles as per the international standard ISO 4156.



Mandrels



A mandrel is an accessory that is used for the inspection and machining or grinding of the broached component which requires reference of the broached location, face and Major Diameter Run Out. There are various types of Mandrels :

1. Inspection Mandrels

- a) Tapered w.r.t minor diameter of broached component.
- b) Tapered w.r.t major diameter of broached component.
- c) Tapered w.r.t P.C.D of Spline of broached component.



Drifts and Die Punch are used to regain the actual sizes like OD, ID and Diameter between pins of any deformed component, especially helpful in sheet metal broached components. It is a small push type tool, with and without cutting teeth, which helps in processing of rejected deformed broached components. They are used to remove burr on the inside of the broached area. An another type of drift called taper serration drift is useful for making taper in a serration broached component, creating a taper in the serration of the component. For example in Lift Arm, Pitman Arm etc, we use OHNS, D2, D3 and HCHCr, HSS material for manufacturing Drifts and Die Punch.

We have a complete set up of body fabrication facilities for manufacturing of Broaching Machines as well as design and manufacturing of Hydraulic power pack. This set up also includes US made Bed Mill Machine, CNC lathe Machines, CNC Wire Cut Machines etc. Over the years, our Broaching Machines have traveled all across the country, building trust in our craftsmanship and bringing laurels from our esteemed clients.



1. Pull Type Fully Automatic Hydraulic Vertical Broaching Machine

The Vertical Broaching Machine types may be obtained in either push or pull type. Vertical machines are used in multiple operations since they are convenient to pass work from one machine to another.

We manufacture Pull Type Hydraulic Vertical Broaching Machines, Fully Automatic (with Auto Retriever arrangement) and Semi Auto (without Retriever) machines.

Pull Type Vertical
Hydraulic Broaching Machine
with retriever Fully Automatic,
power pack at the back





2. Pull Type Hydraulic Vertical Surface (External) Broaching Machine

Surface broaching, also known as external broaching, efficiently replaces milling processes to cut special profiles, serrations, rack, single or multiple grooves on an object's surface.

These Machines result in saving time, skill requirement and reduces per piece production cost helpful in mass production of any component. In a single stroke rough and finishing operation is completed.

3. Push Type Hydraulic Broaching Machine

These Machines are useful in small components, specially sheet metal components like brake lever arms, cycle cranks, free wheels etc. As these machines are small in size, hence the tool used is also small, resulting in reduced per piece cost of broaching process. Our Double Pillar Push Type Broaching Machines have fabricated steel frame which is normalized before machining. They have hardened ground and chrome plated guiding rods for an accurate alignment. We are a very sought after supplier of these Machines because of highly balanced, aligned, precise and accurate broaching results.



Pullers and Retrievers are used to fix Broach's Round/Flat shanks with aligning surfaces in the pulling and retrieving mechanism. We manufacture Broach Pullers and Retrievers as per applicable DIN Standards .

Pullers

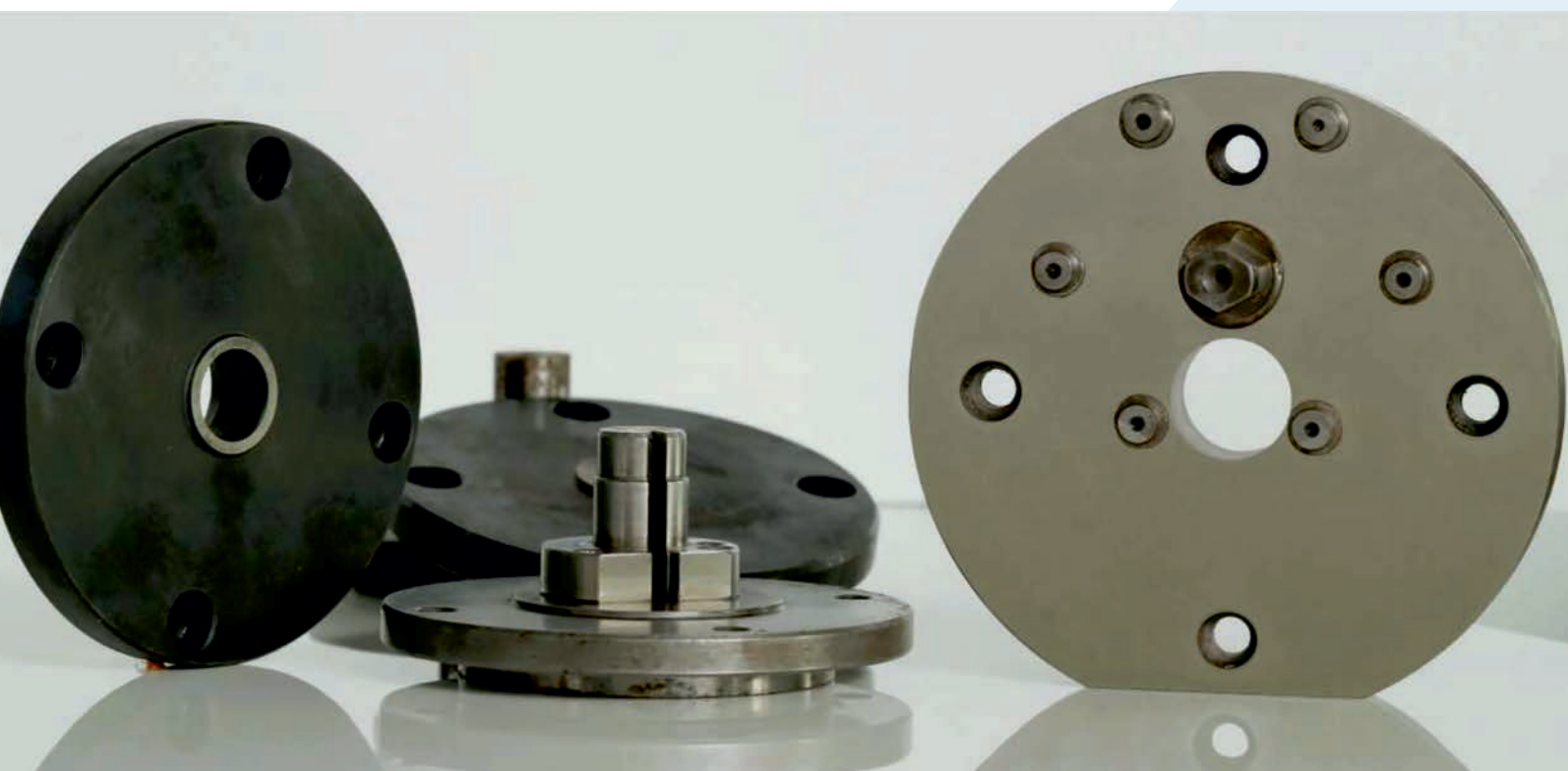
1. DIN 1415 Type A and Type B Diameter 4mm to 100 mm
2. DIN 1417 Type J and Type K Diameter 4mm to 160 mm
3. DIN 1415 TYPE G (For Keyway Broaches) For Bore Diameter 4 mm to 150 mm and above

Retrievers

1. DIN 1415 Type C and Type D Diameter 12 mm to 100 mm
2. DIN 1417 Type L and Type M Diameter 4mm to 100 mm



Broaching Fixtures



Reamers

MAHEEN
BROACHES

It is a rotary cutting tool, designed with precision to slightly enlarge the size of a previously formed hole with a high degree of accuracy. We have been manufacturing Machine Reamers, Extra long reamers, Guide reamers, Taper pin reamers etc from the last two decades using HSS.



Milling Cutters



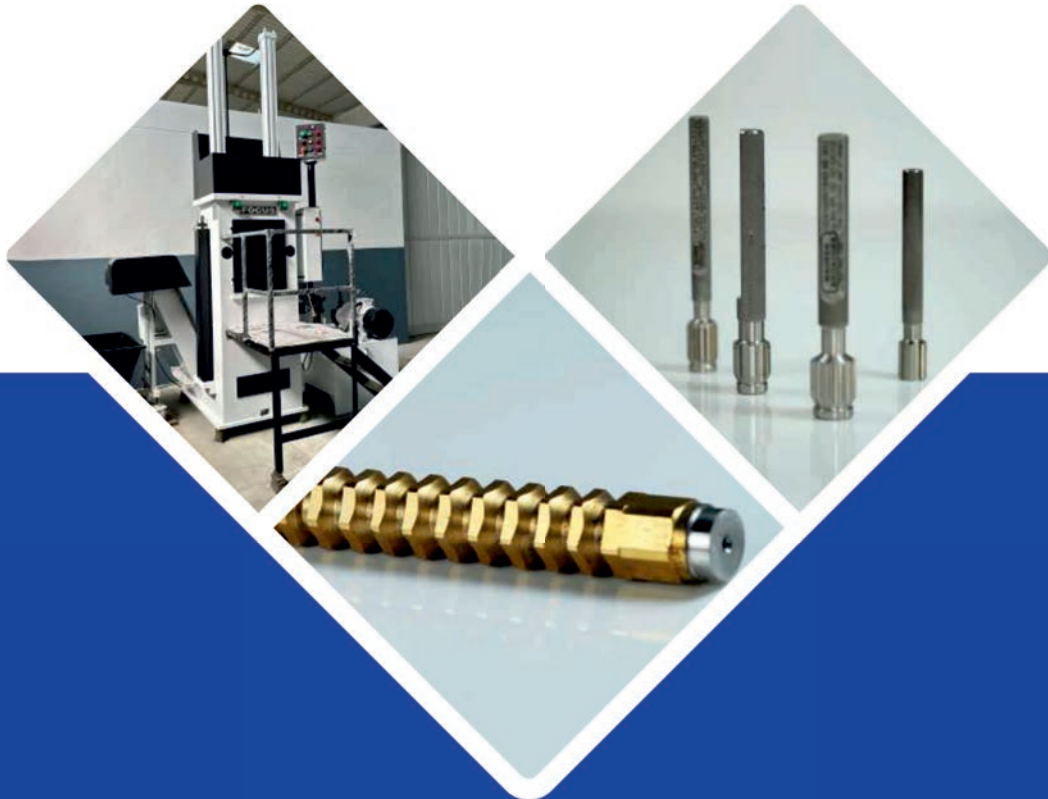
Milling is a cutting process where we use a cutter to remove the material from the surface of a metal or work piece. We have been manufacturing P/s slot cutters, Woodruff cutters, Dovetail cutters, Angle cutters, Side & Face cutters etc. from the last two decades using HSS.

MAHEEN BROACHES

Shaping Your Ideas

FOCUS

BROACHING MACHINES



MANUFACTURING UNIT

MAHEEN ENTERPRISES: C 151-152, Focal Point
Patiala (147004) Punjab, INDIA.

maheenbroaches@yahoo.com
sales@maheenbroach.com

+91-92165-40211, 92165-40210

www.broachmachinetools.com
www.maheenbroaches.com

*Supply to OEM's of