

# UNIVERSAL TOOLS INDIA

**Innovative Cutting Tools & Concepts**

Complete Range of

## Port Cutters & Cavity Tools

For SAE, ISO, BSPP/BSPPF, NASA Specification



Tools for Manifold, Control Valve, Junction Block, etc.

F - 2 BLOCK, SHD 8 MIDC, PIMPRI, PUNE - 411 018. (INDIA)  
TEL : (+91) - 020- 46765150 / 51 / 52, Fax :- 020 46780213 Cell : 9970396322.  
E-mail : [info@universaltoolindia.net](mailto:info@universaltoolindia.net)  
Website : [www.universaltool.co.in](http://www.universaltool.co.in)

## Port Cutters

- SAE Port Counter Cutter
- Metric Port Counter Cutter
- British Standard Parallel Pipe Port Tool
- Cartridge Valve Cutters for  
2 Way, 3 Way & 4 Way Cavities
- MS 16142 (SAE J1926) (SAE J519)
- SAE J2241-1 (ISO 6149-1)
- Din 3852, ISO 261-M Thread
- SAE J1926-1(ISO 11292-1) Port Tool
- UN/UNF Thread Port Tool
- G(PF Thread Port Tool)
- Rosan Cavity Port Tool
- PS 10035/SAE 13001, AS 4201, 6M 152
- Port Tools-MS1642, SAE 08/2, J514F
- O Ring Boss Solid Pilot Port Tool
- IRP Port C Bore Cutter-MS 33649, As5202



Available In  
Carbide Tipped, High Speed Steel, Lugged Carbide,  
Taper Shank & Cylindrical Shank  
Also with internal Through Coolant

## Cavity Tools

Form Drills (Rougher) And Form Reamers (Finishers) Porting tools for-

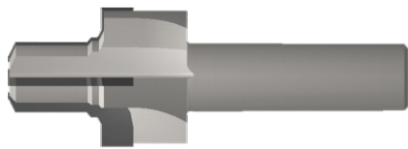
- Sun Hydraulics
- Eaton-Vickers
- Danfoss
- Parker hannifin
- Bucher Hydraulics
- Deltrol fluid power
- Hydac
- Hydraforce
- Intergrated Hydraulics
- Watts
- Others
- Hawe
- Barnes
- Poclain
- Mahale
- Agro Hytos
- Hydnet
- Delta
- rexroth
- Circor
- Bosch



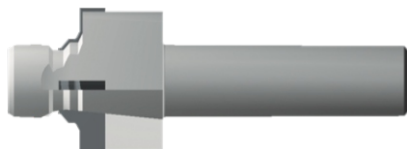
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## Port Cutters



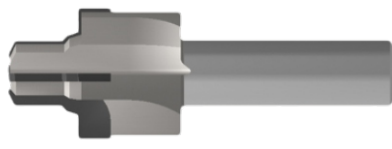
AND10050-R



AND10050-S



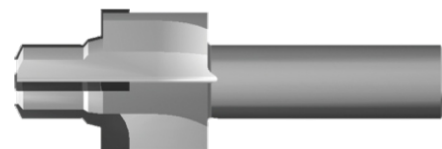
BACD2036



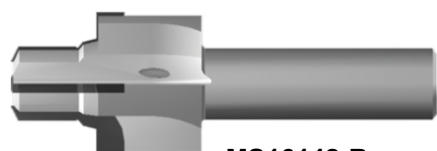
ISO6149-1(F)



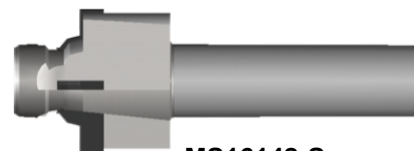
ISO6149-1(ID)



ISO6149-1



MS16142-R



MS16142-S



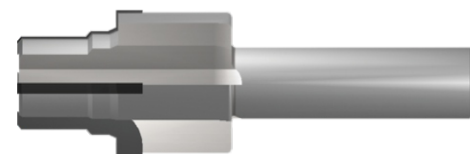
Ms21921



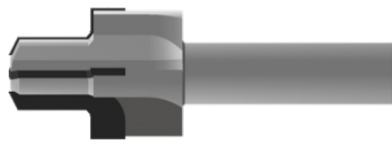
MS33649-S



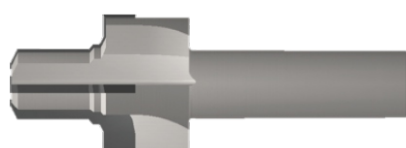
Ms33651



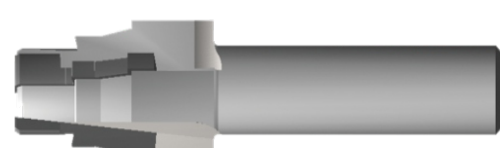
RPT RFPT-Rosan Cavity



BSPP-Pipe Reamer

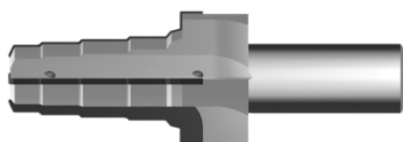


MS3349-R



MS33514

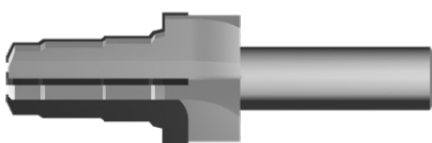
## Cavity Tools



Eaton Vickers



Hydraforce



Parker Common Cavity



Sun Hydraulic

Website : [www.universaltool.co.in](http://www.universaltool.co.in)