IMPROVE YOUR SETUP TIME!!
Innovative Exchangeable Head System

www.tungaloy.com
Quick Change Milling Head

Costly

Solid Carbide Endmill

Inefficient

Economical

Use a short carbide head as needed for the application

Replaceable Carbide Head

No Setup Time

Reduce machine downtime by replacing the head on the machine with exchange accuracy within 0.02 mm

Versatile

Hundreds of combinations available with wide range of heads in different shapes and sizes!

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Combine drilling and chamfering operations, therefore reducing to one operation

Drill body types

Flange type TID:
for general drilling operation

Straight type TIDC:
for pre-thread hole or with chamfer

Chamfering inserts

Tool depth capacity

Available in:
1.5xD
3xD
5xD
8xD
MillLine
TUNGMEISTER

No setup time and machine downtime

1. Center drilling + chamfering
   VDP head
   2 flutes for center drilling + chamfering (DIN332)
   - Range: from Ø3.28 to Ø6.46 mm with 60° chamfer

2. Shallow slotting
   VST head
   3, 4, 6 flutes for slot milling solution
   - Form slotting operation
   - Chamfering operation
   - Width range: from 0.76 to 10 mm with slotting depth up to 6 mm

3. T-Slot milling
   VTB head
   6 flutes for high productivity
   - Form slotting operation
   - Slotting with corner radius and chamfer
   - Width range: from 2 to 8 mm with slotting depth up to 5.9 mm

4. Roughing & finishing combination head
   VEE-C head
   4 flutes / 45° helix
   - Reduces cutting load and vibration due to combined roughing and finishing flutes
   - Range: from Ø8 to Ø20 mm with possibility to machine almost any material

5. Concave radius milling
   VCR head
   2 flutes with concave radius
   - For edge breaking and deburring
   - Useful for machining edges of pockets or holes for easy entry of male parts in an assembly
   - Range: from Ø8 to Ø20 mm with concave radii of R1 to R6 mm

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Quick Change Drilling Head

Tungaloy’s System vs Others

Economical
Use a short carbide head needed for the drilling operation

Costly
Expensive full carbide drill

No Setup Time
Reduce machine downtime by replacing the head on the machine

Inefficient

Versatile
Tool range in increments of 1 mm covers from Ø10 to Ø19.9 mm; 10 different heads in 0.1 mm increments mount on each drill body

Replaceable Carbide Head

Solid Carbide Drill

Versatile Tool range in increments of 1 mm covers from Ø10 to Ø19.9 mm; 10 different heads in 0.1 mm increments mount on each drill body

> 10 min

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