



High Performance Cutting Tools



# HSS DRILLS



Forbes Precision Tools and Machine Parts Limited

## JOBBER, TAPER & REDUCED SHANK DRILLS

### FEATURES

- Made from Premium Grade HSS Steel
- Manufactured in State of Art CNC machine setup

### FUNCTIONS & BENEFITS

- An excellent general purpose drill with conventional 118° point angle
- Stable Cutting edge
- Better chip evacuation
- Better hole straightness
- Superior Tool life



SERIES	STANDARD	RANGE
HSS Parallel Shank Twist Drills – Jobber Series	IS 5101 : 2002, DIN 338 : 1984	1mm to 20mm & 3/64" to 13/16"
HSS Taper Shank Twist Drill – Fully Ground Taper Shank Drills	IS 5103 : 2002, DIN345 : 1986	8mm to 75mm & 3/8" to 2"
HSS Reduced Shank Drills	-	13.5mm to 30mm

## M35 SERIES – BLACK & GOLD DRILLS

### FEATURES

- Made from premium grade High Speed Steel (5% Cobalt)
- Special Black & Gold surface treatment to increase lubricity & reduce friction
- The strong web construction provides greater strength & rigidity to the drill
- Precision ground 135° Split Point angle is Self Centring & reduces Thrust during application

### FUNCTIONS & BENEFITS

- High performance drills suitable for Production applications & also for tough Maintenance applications
- Well suited for drilling on Stainless Steel & challenging Alloy Steel materials
- Operating at higher feeds

SERIES	STANDARD	RANGE
HSS Parallel Shank Twist Drill – Black & Gold (M35 Series)	IS 5101 : 2002, DIN 338	1mm to 13mm & 3/64" to 1/2"



## HSS STUB DRILLS

### FEATURES

- An excellent general purpose drill with conventional 118° point angle
- Shorter flute & overall length increases the rigidity

### FUNCTIONS & BENEFITS

- Less drill deflection, better hole accuracy & longer tool life
- Operating at higher feeds
- Ideal to use in manual hand held drilling application

SERIES	STANDARD	RANGE
HSS Parallel Shank Twist Drill – Stub Series	IS 5100 : 2002, DIN 1897 : 1984	1mm to 20mm & 3/64" to 9/16"



## HSS LONG DRILLS

### FEATURES

- Stable cutting edge
- Better chip evacuation
- Better hole straightness

### FUNCTIONS & BENEFITS

- Well suited for deep holes
- Superior tool life

SERIES	STANDARD	RANGE
Long Shank HSS Drill	IS 5102 : 2002 , DIN 340 : 1978, ISO 494 : 1975, BS 328	1mm to 13mm, 3/64" to 1/2"



## HSS DRILL CASE SETS



As per IS 5101 - 2002

- M2 & M35 grade material
- M35 - B&G Finish
- Sets from 13 nos/Set to 50 Nos/Set

DESCRIPTION	QTY PER CASE SET
HSS Drills Case Set 1.0 mm to 13.0 mm	25 pcs
HSS Drills Case Set 2.0 mm to 8.0 mm	13 pcs
HSS Drills Case Set 1/16" to 1/4"	13 pcs
HSS Drills Case Set 1/16" to 1/2"	29 pcs
HSS Drill Case Set M2 1.0 TO 10.0 mm	19 pcs
HSS Drill Case Set M2 1.0 TO 5.9 mm	50 pcs
HSS Drill Case Set M35 B&G 1.0 TO 10.0 mm	19 pcs
HSS Drill Case Set M35 B&G 1.0 TO 13.0 mm	25 pcs

## CENTRE DRILLS

### FEATURES

- Made from Premium Grade HSS Steel in M2 Grade & M35 Grade
- Available in BS Standard, Type – A & Type –B
- Also available with TIN coating

### FUNCTIONS & BENEFITS

- Excellent choice for centring application
- Stable cutting edge
- Superior tool life

STANDARD	TYPE	PILOT DIA
AS PER BS 328 : PART II – 1990	BS SERIES	3/64 to 3/16
AS PER IS 6708-2002	TYPE A	1mm to 10mm
AS PER IS 6709-2002: ISO 2540-1972	TYPE B	1.6mm to 10mm





**HSS / HSS-E ANNULAR CUTTERS**

**FEATURES**

- Made from premium grade High Speed Steel
- Multi – cut geometry for ply – cutting & lower friction to reach better performance of endurance & removal of chips
- Available in One Touch Shank (Universal shank Dia 3/4” or 19.05mm )

**FUNCTIONS & BENEFITS**

- Applicable to hole cutting & process of annular groove on various magnetic drills
- Meets requirements of hole cutting on various materials

RANGE	CUTTING DEPTH
12mm to 50mm	25mm & 50mm



**TCT ANNULAR CUTTERS**

**FEATURES**

- Premium quality Tungsten Carbide tips for ply – cutting & lower friction
- Multi – Cut geometry for increases chip removal

**FUNCTIONS & BENEFITS**

- Applicable to hole cutting & process of annular groove
- Suitable on various materials
- Universal shank 3/4” (19.05mm) for various magnetic drill machines

RANGE	CUTTING DEPTH
11mm to 40mm	40mm & 55mm



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