HSS CUTTING TOOLS

- HSS STRAIGHT SHANK TWIST DRILL
- HSS TAPER SHANK TWIST DRILL
- HSS TAPS
- HSS END MILL
- REAMERS
- OTHER GENERAL TOOLS
- CARBIDE TIP DRILLS
- HSS DRILL BLANKS
- DRILL SET

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PRODUCT	DESCRIPTION	SPECIFICATION
	TWIST DRILLS	
	Parallel Shank Twist Drills (Stub Series)	IS 5100 : 2002 BS 328 Part 1 : 1993 ISO 235 : 1980 DIN 1897 : 1984
	Parallel Shank Twist Drills (Jobber Series)	IS 5101 : 2002 BS 328 Part 1 : 1993 ISO 235 : 1980 DIN 338 : 1984
	Parallel Shank Twist Drills (Long Series)	IS 5102 : 2002 BS 328 Part 1 : 1993 ISO 494 : 1975 DIN 340 : 1987
	Parallel Shank Twist Drills (Extra Long Series)	IS 7823 : 2005 ISO 3292 : 1995
	Taper Shank Twist Drills (With Standard Shank)	IS 5103 : 2002 BS 328 Part 1 : 1993 ISO 235/1: 1980 DIN 345 : 1978
	Taper Shank Twist Drills (With Oversize Shank)	IS 5104 : 2002 BS 328 Part 1 : 1993 ISO 235/1 : 1980
	Taper Shank Twist (Long Series)	IS 8305 : 2002 DIN 341 : 1976
	Taper Shank Twist (Extra Long Series)	IS 7822 : 2005 ISO 3291 : 1995
	Taper Shank Core Drills	IS 5366 : 2002 BS 328 Part 3 : 1990 ISO 7079 : 1981 DIN 343 : 1981
	Shell Core Drills	IS 7772 : 2002 BS 328 Part 4 : 1990 ISO 3314 : 1975
	Centre Drill Type 'A'	IS 6708 : 2002 DIN 333 : 1986 ISO 866 : 1975
	Centre Drill Type 'B'	IS 6709 : 2002 DIN 333 : 1986 ISO 2540 : 1972
	Centre Drill Type 'R'	IS 6710 : 2002 DIN 333 : 1986 ISO 2541 : 1972
	Centre Drill B. S.	BS 328 Part 2 : 1990
	Parallel Shank Subland Twist Drill	IS 12691 : 1999 DIN 8378 : 1981 ISO 3439 : 1975
	Taper Shank Subland Twist Drill	IS 12687 : 1999 DIN 8379 : 1981 ISO 3438 : 1975
	Taper Shank Twist Drills For Taper Pin Holes	IS 5364 : 2002
	Masonry Drills-Carbide Tipped	Specifications conforms to : ITM Standard
	Technical Section	
	REAMERS	
	Parallel Hand Reamers	IS 5444 : 2002 BS 328 Part 4 : 1990 ISO 236/1 : 1976 DIN 206 : 1979
	Long Fluted Machine Reamers	IS 5445 : 2002 BS 328 Part 4 : 1990 ISO 236/2 : 1976
	Parallel Machine Reamers	BS 328 Part 4 : 1990
	Machine Chucking Reamers with Parallel Shank	IS 5446 : 2002 BS 328 Part 4 : 1990 ISO 521 : 1975
	Machine Chucking Reamers with Taper Shank	IS 5447 : 2002 BS 328 Part 4 : 1990 ISO 521 : 1975
	Machine Jig Reamers with Taper Sahank	Dimensions are in mm Specifications conform to: IS 11002 : 1999
	Shell Reamers	IS 5926 : 2002 DIN 219:1981(Type A) ISO 2402 : 1976 BS 328 Part 4 : 1990
	Socket Reamers with Parallel Shank	IS 5882 : 2002 BS 328 Part 4 : 1990 ISO 2250 : 1972

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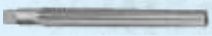
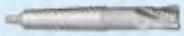
PRODUCT	DESCRIPTION	SPECIFICATION
	Socket Reamers with Taper Shank	IS 5907 : 2002 BS 328 Part 4 : 1990
	Taper Pin Hand Reamers	IS 5881 : 1991 DIN 9 : 1975 ISO 3465 : 1975 BS 122 Part 2:1964 BS 328 Part 4:1990
	Taper Pin Machine Reamers	IS 5918 : 1999 DIN 2180 : 1975 ISO 3467 : 1975 BS 122 Part 2:1964 BS 328 Part 4:1990
	Machine Bridge Reamers	IS 5919 : 2002 BS 328 Part-4 : 1990 ISO 2238 : 1972 BS 122 Part-2 : 1964
	Hole Mills-Unguided Type 'A' (Roughing)	IS 5989 : 2002
	Hole Mills-guided Type 'B' (Roughing/Finishing)	IS 5989 : 2002
	Taper Pipe Reamers	ASA B 94.2 : 1964
	Technical Section	
	MILLING CUTTERS (BORE TYPE)	
	Cylindrical Miling Cutter	IS 5309 : 2002 DIN 884 : 1976 ISO 2584 : 1972 BS 122 Part-1 : 1989
	Side and Face Cutter (Straight Teeth & Staggered Teeth)	IS 6308 : 2002 DIN 1885 : 1976 ISO 2587 : 1972 BS 122 Part-1 : 1989
	Shell End Mills	IS 6257 : 2002 DIN 1880 : 1976 ISO 2586 : 1973 BS 122 Part-1 : 1989
	Single Angle Cutters	IS 6324 : 2001 BS 122 Part-1 : 1989
	Double Angle Cutters	IS 6325 : 2001 BS 122 Part-1 : 1989
	Equal Angle Cutters	IS 6326 : 2001 BS 122 Part-1 : 1989 ISO 6108 : 1978
	Shell End Single Angle Milling Cutters	IS 6256 : 2000 DIN 842 (P-1) : 1984
	Face Cutters	BS 122 Part-1 : 1989
	Slotting Cutters	BS 122 Part-1 : 1989
	Keyway Milling Cutters	IS 6355 : 2002 DIN : 1890 : 1976 ISO 2585 : 1972
	Hollow Mills	BS 122 Part-1 : 1989
	Convex MIlling Cutters	IS 6323 : 2002 DIN 856 (Teil 1):1978 ISO 3860 : 1976 BS 122 Part-1 : 1989
	Concave Milling Cutters	IS 6322 : 2002 DIN 855 (Teil 1):1978 ISO 3860 : 1976 BS 122 Part-1 : 1989
	Single Corner Rounding Cutter	IS 6314 : 2002 DIN 6513 (Teil 1):1978 ISO 3860 : 1976 BS 122 Part-1 : 1989
	Double Corner Rounding Cutters	BS 122 Part-1 : 1989
	MILLING CUTTERS (SHANK TYPE)	
	Parallel Shank Milling Cutters	IS 6352 : 2001 BS 122 Part 1 : 1989 ISO 164/1 : 1978
	Taper Shank Slot Milling Cutters	IS 6388 : 2001 BS 122 Part 1 : 1989 ISO 164/2 : 1978
	Parallel Shank End Mills	IS 6353 : 2001 DIN 844 (Part 1):1978 ISO 1611/1:1978 BS 122 Part 1 : 1989
	Taper Shank End MIlls	IS 6354 : 2001 DIN 845 (Part 1):1981 ISO 1641/2:1978 BS 122 Part 1 : 1989

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PRODUCT	DESCRIPTION	SPECIFICATION
	Screwed Shank Slot Drills (Short Series, Long Series)	BS 122 Part 4 : 1980
	Screwed Shank End Mills (Short Series, Long Series)	BS 122 Part 4 : 1980
	T' Slot Cutters with Parallel Shank	IS 2668 : 2004 ISO 3337 : 2000
	T' Slot Cutters with Taper Shank	IS 2668 : 2004 BS 122 Part-1 : 1989 ISO 3337 : 2000
	Dove - Tail Milling Cutters	IS 6255 : 2000 DIN:1833 (Tail 1):1983 ISO 3859 : 1977
	Woodruff Keyslot Milling Cutters with Parallel Shank	IS 2669 : 2001 BS 122 Part-1 : 1989
	Countersinks 90° with Parallel Shank & Solid Pilot	IS 5693 : 2002 BS 122 Part-1 : 1989 ISO 4205 : 1991 BS 328 Part-6 : 1992
	Countersinks 90° with MT Shank & Detachable Pilot	IS 5703 : 2002 DIN 1867 : 1975 ISO 4204 : 1977
	Counterbores with Parallel Shank & Solid Pilot	IS 5704 : 2002 DIN 373 : 1975 ISO 4206 : 1977
	Counterbores with Taper Shank & Detachable Pilot	IS 5710 : 2002 BS 328 Part-5 : 1991 ISO 4207 : 1977 DIN 375 : 1975
	Countersinks with included angle 60°, 90° & 120° with parallel Shank	IS 13304 : 2002 DIN 334 : 1979 ISO 3294 : 1975 DIN 335 : 1979 DIN 347 : 1962
	Countersinks with included angle 60°, 90° & 120° with Taper Shank	IS 13303 : 2002 DIN 334 : 1979 ISO 3294 : 1975 DIN 335 : 1979 DIN 347 : 1962
	Technical Section	
	SCREWING TAPS	
	Hand & Short Machine Taps Coarse Pitch	IS 6175 Part 2:2002 ISO 529 : 1975 BS 949 Part 1:1992
	Hand & Short Machine Taps Fine Pitch	IS 6175 Part 2:2002 ISO 529 : 1975 BS 949 Part 1:1992
	Hand & Short Machine Taps Coarse Pitch	IS 6175 Part 3:2002 ISO 529 : 1975 BS 949 Part 1:1992
	Hand & Short Machine Taps Fine Pitch	IS 6175 Part 3:2002 ISO 529 : 1975 BS 949 Part 1:1992
	Hand & Short MAchine Taps BSW	BS 949 Part 1 : 1992
	Hand & Short MAchine Taps BSF	BS 949 Part 1 : 1992
	Hand & Short MAchine Taps UNC	BS 949 Part 1 : 1992
	Hand & Short MAchine Taps UNF	BS 949 Part 1 : 1992
	Long Shank Machine Taps Coarse Pitch	IS 6175 Part 4 : 2001 ISO 2283 : 1972 BS 949 Part 1:1992
	Long Shank Machine Taps Fine Pitch	IS 6175 Part 4 : 2001 ISO 2283 : 1972 BS 949 Part 1:1992
	NUT Taps Coarse Pitch	IS 6175 Part 5 : 2001
	NUT Taps - BSW	BS 949 : 1969
	NUT Taps - BSF	BS 949 : 1969
	NUT Taps - UNC	BS 949 : 1969
	NUT Taps - UNF	BS 949 : 1969

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PRODUCT	DESCRIPTION	SPECIFICATION
	Hand Taps - BSCY	BS 949 Part 1 : 1992
	Hand Taps - BS (conduit)	BS 949 Part 1 : 1992
	Hand Taps - BA	BS 949 Part 1 : 1992
	Parallel Pipe Hand taps BSP	BS 949 : 1969
	Parallel Pipe Taps - 'G' Series	IS 6175 Part 6 : 2002 ISO 2284:1987 BS 949 Part 3:1993
	Parallel Pipe Hand Taps - 'RP' Series	IS 6175 Part 7 : 2002 ISO 2284:1987 BS 949 Part 3:1993
	Taper Pipe Hand Taps - 'RC' Series	IS 6175 Part 8 : 2002 ISO 2284:1987 BS 949 Part 3:1993
	Taper Pipe Hand Taps - BSPT	BS 949 Part : 1969
	American National Straight Pipe Hand Taps - NPS	BS 949 Part : 1969
	American National Taper Pipe Hand Taps - NGT	BS 949 Part : 1969 ANSI B 494 : 1971
	American National Taper Pipe Hand Taps (Gas) - NPT	ITM Std.
	NIB Taps - Metric (Coarse)	ITM Std.
	NIB Taps - BSW	ITM Std.
	Technical Section	
	Ground Tools Bits	ITM Std.