



Addison & Co., Ltd.

(A Member of the Amalgamations Group)

Addison & Co. Ltd., (a unit Company of Amalgamations Group) established in 1873, is India's largest manufacturer of High Speed Steel Metal Cutting Tools. The Company's current range of products include Twist Drills, Centre Drills, Counterbores, Countersinks, End Mills, Reamers, Milling Cutters, Taps and Broaches, besides Multipoint Carbide Tipped Tools and Solid Carbide End Mills & Drills for advanced applications and quality Machine Tools and accessories for allied Industries. Addison is also a major supplier of machined and unmachined Castings to various customers.

Distribution is done through the Company's own Branches in Ahmedabad, Bangalore, Chennai, Mumbai, Kolkata, Pune, Ludhiana & New Delhi, supported by a country-wide network of dealers.

Addison is today the largest exporter of High Speed Steel Metal Cutting Tools in India with exports reaching the sophisticated markets of USA, Canada, Japan, Europe including Germany, France, Denmark, Sweden and other markets which include countries from Latin America, South-east Asia, Middle-East and Africa. Addison, an ISO-9001 - 2008 & 14001 accredited Company, manufactures a wide range of precision engineering products at its plants located in Chennai. The state-of-the-art manufacturing technology, well-equipped metallurgical lab, Tool Tech. Centre (R & D), CNC Machines and Total Quality Control have put ADDISON Metal Cutting Tools on par with the best brands of cutting tools in the world.

At the Tool Works of Addison, we have just one policy - to be precise and to build tools which are highest in quality and length of effective service.

The High Speed Steel used is of the highest quality, procured from West Europe, Japan and India.

This Price List pertains to tools made out of High Speed Steel and Multi Point Carbide Tipped tools.



(A Member of the Amalgamations Group)

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TERMS OF SUPPLY

Prices given in this Price-List are inclusive of Excise Duty and ED Cess at current rate but exclusive of Sales Tax, Octroi & other similar levies.

The prices are for delivery F.O.R. Destination.

The prices are based on the present cost of labour and raw materials and are subject to revision without notice.

This supersedes all our previous price lists.

M.O.Q. – The Minimum Ordering Quantities specified are for Each Size/Length/Bore and applicable only for the types and sizes listed in this Price-List.

The prices quoted in this Price-List are the maximum resale prices and the Dealers / Stockist are free to sell the goods at prices lower than these prices fixed by the company.

SPECIAL NOTES

We can manufacture and supply the following Special tools, subject to ordering for minimum batch quantities which can be furnished on request.

I. HSS TWIST DRILLS

1) For unlisted intermediate sizes, the higher price of the nearest listed size will apply.

2) Quick Spiral/Slow Spiral Drills :

For Parallel Shank Twist Drills – Jobber Series, Stub Series & Long Series and Taper Shank Twist Drills, we can supply Quick Spiral/Slow Spiral Drills.

1.0 mm to 3.17 mm (1/8") – 50% extra

Above 3.17 mm (1/8") – 25% extra

3) Left Hand Drills :

Left Hand Drills can also be supplied as below :

Parallel Shank Twist Drills :

Jobber Series :

3.0 mm and above – 35% extra

Stub & Long Series

3.0 mm and above – 25% extra

Taper Shank Twist Drills – 25% extra

Taper Shank Core Drills – 25% extra

4) Oversize Taper Shank Twist Drills to IS: 5104 can be supplied at 10% extra on Standard Price.

5) Quick Spiral/Slow Spiral Extra Long in Parallel Shank and Taper Shank can be supplied at 25% extra on Standard Prices.

6) Taper Shank Twist Drills above 80.0 mm will be made of single piece construction.



II. HSS MILLING CUTTERS

- 1) For Convex Cutters, Concave Cutters, Single Corner Rounding Cutters, We have switched over the manufacture to current ISS-IS 6323/1982, IS 6322/1982 and IS 6314/1982. We also manufacture & supply these cutters as per old ISS-IS 6323/1971, IS 6322/1971 & IS 6314/1971, for which full dimensions & prices are also given herein.
- 2) For unlisted intermediate sizes, the higher price of the nearest listed size will apply.

III. HSS END MILLS

LONG SERIES END MILLS CAN BE SUPPLIED AT 30% EXTRA OVER THE STANDARD PRICE AND THE MOQ WILL BE :

M.O.Q. For sizes

Upto 13 mm	–	100 Nos. each
14 mm to 16 mm	–	50 Nos. each
17 mm to 22 mm	–	25 Nos. each
Above 22 mm	–	10 Nos. each

IV. HSS REAMERS

- 1) Reamers with H7 Tolerance can be supplied at the same rates.
- 2) For unlisted intermediate sizes, the higher price of the nearest listed size will apply.

V. HSS SCREWING TAPS

- 1) The following items of Taps can also be supplied at prices indicated, for which MOQ details can be had on request :
 - a) LH Taps – 25% extra on Standard prices.
 - b) Part 3 designed Taps for sizes upto & including 10 mm – 15% extra on standard prices.
 - c) Serial Taps – Standard prices.

VI. NON-STANDARD

Tools of non-standard or near standard types with special dimensions or special tolerances not listed in this price-list or with tool types other than those mentioned herein can be supplied at special rates, full details of which may be obtained from us on application.

VII. FOR SOLID CARBIDE DRILLS / END MILLS REFER OUR PRICE LIST SC 38.



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**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

Size		Price Per 10 Nos. Rs.	Size		Price Per 10 Nos. Rs.	Size		Price Per 10 Nos. Rs.
mm	WG / LG Inch		mm	WG / LG Inch		mm	WG / LG Inch	
1.0		373	(2.87)	33	440	(5.06)	8	1325
(1.02)	60	373	2.90		440	5.10		1325
(1.04)	59	373	(2.95)	32	440	(5.11)	7	1325
(1.07)	58	373	3.00		440	(5.16)	13/64	1325
(1.09)	57	373	(3.05)	31	524	(5.18)	6	1325
1.10		372	3.10		524	5.20		1325
(1.18)	56	373	(3.17)	1/8	524	(5.22)	5	1430
(1.19)	3/64	373	3.20		542	5.30		1430
1.20		373	(3.26)	30	542	(5.31)	4	1430
1.30		373	3.30		542	5.40		1430
(1.32)	55	373	3.40		542	(5.41)	3	1430
1.40	54	373	(3.45)	29	542	5.50		1430
1.50		373	3.50		542	(5.56)	7/32	1430
(1.51)	53	373	(3.57)	28	542	5.60		1430
(1.59)	1/16	373	(3.57)	9/64	542	(5.61)	2	1608
1.60		373	3.60		767	5.70		1608
(1.61)	52	400	(3.66)	27	767	(5.79)	1	1608
1.70		400	3.70		767	5.80		1608
(1.70)	51	400	(3.73)	26	767	5.90		1608
(1.78)	50	400	(3.80)	25	767	(5.94)	A	1608
1.80		400	3.80		767	(5.95)	15/64	1608
(1.85)	49	400	(3.86)	24	767	6.00		1608
1.90		400	3.90		767	(6.04)	B	1751
(1.93)	48	400	(3.91)	23	767	6.10		1751
(1.98)	5/64	400	(3.97)	5/32	767	(6.15)	C	1751
(1.99)	47	400	(3.99)	22	767	6.20		1751
2.00		400	4.00		767	(6.25)	D	1751
(2.06)	46	400	(4.04)	21	930	6.30		1751
(2.08)	45	400	(4.09)	20	930	(6.35)	1/4	1751
2.10		400	4.10		930	6.40		1751
(2.18)	44	400	4.20		930	6.50		2233
2.20		400	(4.22)	19	930	(6.53)	F	2233
(2.26)	43	400	4.30		930	6.60		2233
2.30		400	(4.30)	18	930	(6.63)	G	2233
(2.37)	42	400	(4.37)	11/64	930	6.70		2233
(2.38)	3/32	400	(4.39)	17	930	(6.75)	17/64	2233
2.40		400	4.40		930	(6.75)	H	2233
(2.44)	41	400	(4.50)	16	1220	6.80		2233
(2.49)	40	400	4.50		1220	6.90		2445
2.50		400	(4.57)	15	1220	(6.90)	I	2445
(2.53)	39	400	4.60		1220	7.00		2445
(2.58)	38	400	(4.62)	14	1220	(7.03)	J	2445
2.60		400	4.70		1220	7.10		2445
(2.64)	37	400	(4.76)	3/16	1220	(7.14)	K	2445
2.70		400	4.80		1220	(7.14)	9/32	2445
(2.71)	36	400	(4.85)	11	1325	7.20		2445
(2.78)	7/64	400	4.90		1325	7.30		2581
2.79		440	(4.92)	10	1325	(7.37)	L	2581
2.80		440	(4.98)	9	1325	(7.40)		2581
(2.82)	34	440	5.00		1325	(7.49)	M	2581



MC 42 WEF 101114

**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

Size		WG / LG	Price Per 10 Nos. Rs.	Size		WG / LG	Price Per 10 Nos. Rs.	Size		WG / LG	Price Per 10 Nos. Rs.
mm	Inch			mm	Inch			mm	Inch		
7.50			2581	10.20			5182	13.70			11085
(7.54)	19/64		2794	(10.26)		Y	5616	13.80			11085
7.60			2794	10.30			5616	(13.89)	35/64		12029
(7.67)		N	2794	(10.32)	13/32		5616	13.90			12029
7.70			2794	10.40			5616	14.00			12029
7.80			2794	(10.49)		Z	5616	14.25			12029
7.90			2794	10.50			5616	(14.29)	9/16		12620
(7.94)	5/16		3067	10.60			5616	14.50			12620
8.00			3067	10.70			5946	(14.68)	37/64		13599
(8.03)		O	3067	(10.72)	27/64		5946	14.75			13599
8.10			3067	10.80			5946	15.00			13599
8.20			3067	10.90			5946	(15.08)	19/32		13599
(8.20)		P	3067	11.00			5946	15.25			13599
8.30			3717	11.10			6637	(15.48)	39/64		14734
(8.33)	21/64		3717	(11.11)	7/16		6637	15.50			14734
8.40			3717	11.20			6637	15.75			14734
(8.43)		Q	3717	11.30			6637	(15.87)	5/8		14734
8.50			3717	11.40			6637	16.00			14734
8.60			3717	11.50			7000	16.50			15215
(8.61)		R	3717	(11.51)	29/64		7000	(16.67)	21/32		15215
8.70			3717	11.60			7000	17.00			15585
(8.73)	11/32		3915	11.70			7000	(17.46)	11/16		15585
8.80			3915	11.80			7000	17.50			16555
(8.84)		S	3915	11.90			7476	18.00			16864
8.90			3915	(11.91)	15/32		7476	(18.26)	23/32		16864
9.00			3915	12.00			7476	18.50			17660
(9.09)		T	4084	12.10			7476	19.00			17837
9.10			4084	12.20			7476	(19.05)	3/4		17837
(9.13)	23/64		4084	12.30			7930	19.50			20067
9.20			4084	(12.30)	31/64		7930	(19.84)	25/32		20067
9.30			4084	12.40			7930	20.00			21308
(9.34)		U	4084	12.50			7930	(20.64)	13/16		21308
9.40			4084	12.60			7930	(21.43)	27/32		22668
9.50			4084	(12.70)	1/2		8373	(22.22)	7/8		22668
(9.52)	3/8		4630	12.80			8373				
(9.58)		V	4630	12.90			8373				
9.60			4630	13.00			8373				
9.70			4630	(13.10)	33/64		10414				
9.80			4630	13.10			10414				
(9.80)		W	4630	13.20			10414				
9.90			5182	13.30			10414				
(9.92)	25/64		5182	13.40			10414				
10.00			5182	(13.49)	17/32		11085				
(10.08)		X	5182	13.50			11085				
10.10			5182	13.60			11085				

**MOQ : 1 mm to 5 mm – 200 Nos.
5.1 mm to 10.6 mm – 100 Nos
10.7 mm to 13 mm – 50 Nos
over 13 mm – 20 Nos each**

**We can supply sizes upto 1 mm and price and
MOQ can be had on application**

Ground Drills can be supplied upto 13mm at Standard Prices



MC 42 WEF 101114

**HSS PARALLEL SHANK TWIST DRILLS
STUB SERIES**

**IS 5100 - 1969
BS 328 (PART 1) 1986**

Size		Price Per 10 Nos. Rs.	Size		Price Per 10 Nos. Rs.	Size		Price Per 10 Nos. Rs.
mm	Inch		mm	Inch		mm	Inch	
3.00		440	(10.72)	27/64	5740	19.75		14020
(3.17)	1/8	510	10.80		5740	(19.84)	25/32	14020
3.20		535	11.00		5740	20.00		14260
3.50		535	(11.11)	7/16	5979	20.25		14556
(3.57)	9/64	535	11.20		5979	20.50		14556
3.80		741	11.50		6395	(20.64)	13/16	14556
(3.97)	5/32	741	(11.51)	29/64	6395	20.75		15140
4.00		741	11.80		6395	21.00		15140
4.20		824	(11.91)	15/32	6767	21.25		15323
(4.37)	11/64	824	12.00		6767	(21.43)	27/32	15323
4.50		1091	12.20		6767	21.50		15839
(4.76)	3/16	1091	(12.3)	31/64	7354	21.75		16045
4.80		1091	12.50		7354	22.00		16045
5.00		1160	(12.70)	1/2	7512	(22.22)	7/8	16045
(5.16)	13/64	1160	12.80		7512	22.25		17065
5.20		1160	13.00		7512	22.50		17065
5.50		1260	13.20		8796	22.75		17302
(5.56)	7/32	1260	(13.49)	17/32	8796	23.00		17302
5.80		1418	13.50		9374	(23.02)	29/32	17302
(5.95)	15/64	1418	13.80		9374	23.25		18295
6.00		1418	14.00		10207	23.50		18295
6.20		1587	14.25		10207	23.75		18295
(6.35)	1/4	1587	(14.29)	9/16	10207	(23.81)	15/16	18295
6.50		1954	14.50		10630	24.00		20247
(6.75)	17/64	1954	14.75		11494	24.25		20247
6.80		1954	15.00		11494	24.50		20247
7.00		2143	(15.08)	19/32	11494	(24.61)	31/32	20247
(7.14)	9/32	2143	15.25		11494	24.75		22209
7.20		2143	15.50		12442	25.00		22209
7.50		2227	15.75		12442	25.25		22318
(7.54)	19/64	2445	(15.87)	5/8	12442	(25.40)	1	22318
7.80		2445	16.00		12442	25.50		25188
7.94		2690	16.25		12641	26.00		25188
8.00	5/16	2690	16.50		12641	(26.19)	1.1/32	25769
8.20		2690	(16.67)	21/32	12641	26.50		25769
(8.33)	21/64	3360	16.75		12896	(26.99)	1.1/16	26068
8.50		3360	17.00		12896	27.00		27470
(8.73)	11/32	3505	17.25		13130	27.50		27470
8.80		3505	(17.46)	11/16	13130	(27.78)	1.3/32	29072
9.00		3505	17.50		13130	28.00		29072
(9.13)	23/64	3703	17.75		13309	28.50		29293
9.20		3703	18.00		13309	(28.57)	1.1/8	29293
9.50		3703	18.25		13545	29.00		30739
(9.52)	3/8	3870	(18.26)	23/32	13545	(29.37)	1.5/32	33839
9.80		3870	18.50		13545	29.50		33839
(9.92)	25/64	4735	18.75		13786	30.00		34291
10.00		4735	19.00		13786	(30.16)	1.3/16	34291
10.20		4735	(19.05)	3/4	13786	30.50		38588
(10.32)	13/32	5097	19.25		14020	(30.96)	1.7/32	38588
10.50		5097	19.50		14020	31.00		38588



MC 42 WEF 101114

**HSS PARALLEL SHANK TWIST DRILLS
STUB SERIES**

**IS 5100 - 1969
BS 328 (PART 1) 1986**

Size		Price Per 10 Nos. Rs.	Size		Price Per 10 Nos. Rs.	Size		Price Per 10 Nos. Rs.
mm	Inch		mm	Inch		mm	Inch	
31.50		39168	34.50		47637	37.50		57964
(31.75)	1.1/4	39168	(34.92)	1.3/8	47637	38.00		57964
32.00		40011	35.00		52380	(38.10)	1.1/2	57964
32.50		41264	35.50		53127	38.50		64724
(32.54)	1.9/32	41264	(35.72)	1.13/32	53127	39.00		64724
33.00		41264	36.00		53127	39.50		65839
(33.34)	1.5/16	41264	36.50		53127	40.00		65839
33.50		43406	(36.51)	1.7/16	53127			
34.00		43406	37.00		57109			
(34.13)	1.11/32	47637	(37.31)	1.15/32	57964			

M.O.Q. – For sizes :

Upto 5 mm	– 200 Nos. each	10.7 mm to 23 mm	– 50 Nos. each
5.1 to 10.6 mm	– 100 Nos. each	Above 23 mm to 31.5 mm	– 25 Nos. each
Above 31.5 mm	– 10 Nos. each		

**HSS PARALLEL SHANK TWIST DRILLS
LONG SERIES**

**IS 5102 - 1969
BS 328 (PART 1) 1986**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
1.00		235	3.00		301	6.80		834
1.10		235	(3.17)	1/8	301	7.00		834
(1.19)	3/64	235	3.20		301	(7.14)	9/32	834
1.20		235	3.50		301	7.20		834
1.30		235	(3.57)	9/64	301	7.50		834
1.40		235	3.80		324	(7.54)	19/64	834
1.50		235	(3.97)	5/32	324	7.80		834
(1.59)	1/16	235	4.00		324	(7.94)	5/16	860
1.60		235	4.20		324	8.00		860
1.70		235	(4.37)	11/64	324	8.20		860
1.80		235	4.50		324	(8.33)	21/64	860
1.90		235	(4.76)	3/16	324	8.50		867
(1.98)	5/64	235	4.80		324	(8.73)	11/32	910
2.00		235	5.00		382	8.80		1101
2.10		235	(5.16)	13/64	382	9.00		957
2.20		235	5.20		382	(9.13)	23/64	1082
2.30		298	5.50		438	9.20		1101
(2.38)	3/32	298	(5.56)	7/32	438	9.50		957
2.40		295	5.80		477	(9.52)	3/8	957
2.50		298	(5.95)	15/64	477	9.80		1107
2.60		298	6.00		477	(9.92)	25/64	1107
2.70		298	6.20		543	10.00		1002
(2.78)	7/64	298	(6.35)	1/4	495	10.20		1107
2.80		298	6.50		692	(10.32)	13/32	1002
2.90		298	(6.75)	17/64	834	10.50		1202



MC 42 WEF 101114

**HSS PARALLEL SHANK TWIST DRILLS
LONG SERIES**

**IS 5102 - 1969
BS 328 (PART 1) 1986**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
(10.72)	27/64	1366	15.5		2239	20.5		3068
10.8		1366	15.75		2239	(20.64)	13/16	3068
11.0		1258	(15.87)	5/8	2239	20.75		3158
(11.11)	7/16	1258	16.0		2275	21.0		3158
11.2		1462	16.25		2275	(21.03)	53/64	3456
11.5		1294	(16.27)	41/64	2530	21.25		3257
(11.51)	29/64	1462	16.5		2317	(21.43)	27/32	3257
11.8		1462	(16.67)	21/32	2317	21.5		3456
(11.91)	15/32	1294	16.75		2373	21.75		3456
12.0		1333	17.0		2373	(21.83)	55/64	3695
12.2		1487	(17.07)	43/64	2579	22.0		3456
(12.30)	31/64	1487	17.25		2373	(22.22)	7/8	3456
12.5		1333	(17.46)	11/16	2373	22.25		3741
(12.70)	1/2	1333	17.5		2530	22.5		3741
12.8		2042	17.75		2530	(22.62)	57/64	3996
13.0		1851	(17.86)	45/64	2798	22.75		3826
(13.10)	33/64	2057	18.0		2579	23.0		3826
13.2		2057	18.25		2579	(23.02)	29/32	3826
(13.49)	17/32	1887	(18.26)	23/32	2579	23.25		3877
13.5		2057	18.5		2686	(23.42)	59/64	4569
13.8		2239	(18.65)	47/64	2708	23.5		4244
(13.89)	35/64	2239	18.75		2735	23.75		4244
14.0		2057	19.0		2735	(23.81)	15/16	4244
14.25		2057	(19.05)	3/4	2735	24.0		4424
(14.29)	9/16	2057	19.25		2891	(24.21)	61/64	4829
14.5		2156	(19.45)	49/64	3158	24.25		4424
(14.68)	37/64	2373	19.5		2891	24.5		4424
14.75		2156	19.75		2891	(24.61)	31/32	4424
15.0		2156	(19.84)	25/32	2891	24.75		4743
(15.08)	19/32	2156	20.0		3068	25.0	63/64	4743
15.25		2239	(20.24)	51/64	3257	(25.40)	1	4805
(15.48)	39/64	2446	20.25		3068			

M.O.Q. – For sizes :
 Upto 9.5 mm – 50 Nos. each
 above 9.5 mm – 25 Nos. each



MC 42 WEF 101114

HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
3.00		370	(10.72)	27/64	1114	(18.26)	23/32	2488
(3.17)	1/8	370	10.80		1114	18.50		2488
3.20		387	11.00		1114	(18.65)	47/64	2518
3.50		370	(11.11)	7/16	1114	18.75		2518
(3.57)	9/64	387	11.20		1151	19.00		2518
3.80		387	11.50		1151	(19.05)	3/4	2518
(3.97)	5/32	370	(11.51)	29/64	1151	19.25		2645
4.00		370	11.80		1151	(19.45)	49/64	2645
4.20		498	(11.91)	15/32	1151	19.50		2645
(4.37)	11/64	498	12.00		1163	19.75		2645
4.50		498	12.20		1163	(19.84)	25/32	2645
(4.76)	3/16	498	(12.30)	31/64	1163	20.00		2844
4.80		512	12.50		1163	(20.24)	51/64	2878
5.00		498	(12.70)	1/2	1163	20.25		2878
(5.16)	13/64	512	12.80		1616	20.50		2878
5.20		512	13.00		1616	(20.64)	13/16	2878
5.50		498	(13.10)	33/64	1687	20.75		3002
(5.56)	7/32	498	13.20		1687	21.00		3002
5.80		512	(13.49)	17/32	1687	(21.03)	53/64	3077
(5.95)	15/64	512	13.50		1807	21.25		3077
6.00		498	13.80		1807	(21.43)	27/32	3077
6.20		574	(13.89)	35/64	1807	21.50		3172
(6.35)	1/4	568	14.00		1807	21.75		3172
6.50		619	14.25		1941	(21.83)	55/64	3230
(6.75)	17/64	627	(14.29)	9/16	1941	22.00		3230
6.80		627	14.50		2018	(22.22)	7/8	3230
7.00		619	(14.68)	37/64	2018	22.25		3520
(7.14)	9/32	619	14.75		2018	22.50		3520
7.20		627	15.00		2018	(22.62)	57/64	3588
7.50		619	(15.08)	19/32	2018	22.75		3588
(7.54)	19/64	627	15.25		2046	23.00		3588
7.80		627	(15.48)	39/64	2046	(23.02)	29/32	3764
(7.94)	5/16	619	15.50		2046	23.25		4167
8.00		619	15.75		2046	(23.42)	59/64	4272
8.20		756	(15.87)	5/8	2046	23.50		4272
(8.33)	21/64	796	16.00		2107	23.75		4272
8.50		690	16.25		2107	(23.81)	15/16	4272
(8.73)	11/32	756	(16.27)	41/64	2107	24.00		4398
8.80		831	16.50		2238	(24.21)	61/64	4472
9.00		756	(16.67)	21/32	2238	24.25		4472
(9.13)	23/64	831	16.75		2238	24.50		4472
9.20		831	17.00		2238	(24.61)	31/32	4472
9.50		756	(17.07)	43/64	2275	24.75		4673
(9.52)	3/8	756	17.25		2275	25.00		4673
9.80		892	(17.46)	11/16	2275	(25.00)	63/64	4673
(9.92)	25/64	892	17.5		2361	25.25		4735
10.00		807	17.75		2395	(25.40)	1	4735
10.20		907	(17.86)	45/64	2488	25.50		5147
(10.32)	13/32	876	18.00		2488	25.75		5147
10.50		1075	18.25		2488	(25.80)	1.1/64	5203



MC 42 WEF 101114

HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
26.00		5203	34.50		12072	45.50		21463
(26.19)	1.1/32	5203	(34.53)	1.23/64	12183	(45.64)	1.51/64	21463
26.25		5574	(34.92)	1.3/8	12182	46.00		21463
26.50		5574	35.00		12183	(46.04)	1.13/16	21463
(26.59)	1.3/64	5703	(35.32)	1.25/64	12912	(46.43)	1.53/64	22546
26.75		5703	35.50		12912	46.50		22546
(26.99)	1.1/16	5703	(35.72)	1.13/32	12912	(46.83)	1.27/32	22546
27.00		5889	36.00		13102	47.00		22546
27.25		5889	(36.12)	1.27/64	13371	(47.23)	1.55/64	23016
(27.38)	1.5/64	5909	36.50		13371	47.50		23016
27.50		5909	(36.51)	1.7/16	13371	(47.62)	1.7/8	23016
27.75		5909	(36.91)	1.29/64	13371	48.00		25098
(27.78)	1.3/32	5909	37.00		13701	(48.02)	1.57/64	25098
28.00		6460	(37.31)	1.15/32	13701	(48.42)	1.29/32	25098
(28.18)	1.7/64	6479	37.50		14591	48.50		25283
28.25		6479	(37.70)	1.31/64	14820	(48.82)	1.59/64	25283
28.50		6479	38.00		14820	49.00		25283
(28.57)	1.1/8	6479	(38.10)	1.1/2	14820	(49.21)	1.15/16	25283
28.75		6675	(38.50)	1.33/64	15282	49.50		25554
(28.97)	1.9/64	6784	38.50		15282	(49.61)	1.61/64	25554
29.00		6784	(38.89)	1.17/32	15282	50.00		25554
29.25		6784	39.00		16184	(50.01)	1.31/32	25756
(29.37)	1.5/32	6784	(39.29)	1.35/64	16184	(50.40)	1.63/64	26913
29.50		6810	39.50		16184	50.50		26913
29.75		6810	(39.69)	1.9/16	16184	(50.80)	2	26913
(29.77)	1.11/64	6952	40.00		16601	51.00		36540
30.00		6952	(40.08)	1.37/64	16874	51.50		36540
(30.16)	1.3/16	7342	(40.48)	1.19/32	16874	(51.59)	2.1/32	36540
30.25		7906	40.50		17549	52.00		36540
30.50		7906	(40.88)	1.39/64	17549	(52.39)	2.1/16	36540
(30.56)	1.13/64	8033	41.00		17549	52.50		47556
30.75		8033	(41.27)	1.5/8	17549	53.00		47556
(30.96)	1.7/32	8033	41.50		18238	(53.18)	2.3/32	47556
31.00		8940	(41.67)	1.41/64	18238	53.50		47556
31.25		8940	42.00		18238	(53.97)	2.1/8	47556
(31.35)	1.15/64	9330	(42.07)	1.21/32	18238	54.00		47556
31.50		9330	(42.47)	1.43/64	18704	54.50		49957
(31.75)	1.1/4	9330	42.50		18704	(54.77)	2.5/32	49957
31.75		9330	(42.86)	1.11/16	18933	55.00		49957
32.00		10215	43.00		19378	55.50		49957
(32.15)	1.17/64	10215	(43.26)	1.45/64	19378	(55.56)	2.3/16	49957
32.50		10215	43.50		19378	56.00		52057
(32.54)	1.9/32	10215	(43.66)	1.23/32	19378	(56.36)	2.7/32	52057
(32.94)	1.19/64	10460	44.00		20063	56.50		52057
33.00		10460	(44.05)	1.47/64	20063	57.00		52057
(33.34)	1.5/16	10460	(44.45)	1.3/4	20063	(57.15)	2.1/4	52057
33.50		10819	44.50		20063	57.50		56811
(33.73)	1.21/64	11022	(44.85)	1.49/64	20533	(57.94)	2.9/32	56811
34.00		11022	45.00		20533	58.00		56811
(34.13)	1.11/32	11490	(45.24)	1.25/32	20533	58.50		56811



MC 42 WEF 101114

HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
(58.74)	2.5/16	56811	(71.44)	2.13/16	89567	87.00		183016
59.00		57896	71.50		89567	(87.31)	3.7/16	186843
59.50		57896	72.00		91298	88.00		186843
(59.53)	2.11/32	57896	(72.23)	2.27/32	91298	(88.11)	3.15/32	186843
60.00		57896	72.50		91298	(88.90)	3.1/2	186843
(60.32)	2.3/8	57896	73.00		91298	89.00		186843
60.50		61540	(73.02)	2.7/8	91298	90.00		190653
61.00		61540	73.50		96148	(90.49)	3.9/16	197764
(61.12)	2.13/32	61540	(73.82)	2.29/32	97165	91.00		197764
61.50		61540	74.00		97165	92.00		197764
(61.91)	2.7/16	61540	74.50		97165	(92.07)	3.5/8	204221
62.00		61540	(74.61)	2.15/16	97165	93.00		204221
62.50		61540	75.00		98374	(93.66)	3.11/16	211945
(62.71)	2.15/32	62576	(75.41)	2.31/32	98374	94.00		211945
63.00		62576	75.50		98374	95.00		211945
(63.50)	2.1/2	62576	76.00		98374	(95.25)	3.3/4	211945
64.00		69161	(76.20)	3	98374	96.00		219041
(64.29)	2.17/32	69676	(76.99)	3.1/32	134580	(96.84)	3.13/16	219041
64.50		69161	77.00		134580	97.00		219041
65.00		69161	(77.79)	3.1/16	134580	98.00		222915
(65.09)	2.9/16	69161	78.00		134580	(98.42)	3.7/8	226097
65.50		69676	(78.58)	3.3/32	137264	99.00		226097
(65.88)	2.19/32	69676	79.00		137264	100.00		226097
66.00		69676	(79.37)	3.1/8	140908	(100.01)	3.15/16	229970
66.50		69676	80.00		140908	101.00		229070
(66.67)	2.5/8	69676	(80.17)	3.5/32	150713	(101.60)	4	229970
67.00		71375	(80.96)	3.3/16	150713	102.00		229970
(67.47)	2.21/32	76617	81.00		150713			
67.50		76617	(81.76)	3.7/32	154631			
68.00		76617	82.00		154631			
(68.26)	2.11/16	76617	(82.55)	3.1/4	154631			
68.50		82194	83.00		157825			
69.00		83047	(83.34)	3.9/32	157825			
(69.05)	2.23/32	83047	84.00		157825			
69.50		83047	(84.14)	3.5/16	160449			
(69.85)	2.3/4	83047	(84.93)	3.11/32	160449			
70.00		83047	85.00		160449			
70.50		88603	(85.72)	3.3/8	183016			
(70.64)	2.25/32	89567	86.00		183016			
71.00		89567	(86.52)	3.13/32	183016			

M.O.Q. - For sizes
3.0 to 9.95 mm – **100 Nos. each**
10.0 to 31.75 mm – **50 Nos. each**
above 31.75 to 36.0 mm – **15 Nos. each**
above 36.0 to 50.80 mm – **10 Nos. each**
above 50.80 to 67.00 – **5 Nos. each**
above 67.00 to 76.20 – **3 Nos. each**
above 76.50 to 102 – **2 Nos. each**



MC 42 WEF 101114

**HSS PARALLEL SHANK TWIST DRILLS
EXTRA LONG**

TO OUR STANDARD

Size		Price Each Rs.						
		Overall Length in millimeter						
mm	Inch	150	175	200	225	250	300	350
3	1/8	867	1061	1200	1428	1683	2100	-
3.5		844	983	1265	1572	1892	2413	-
4	5/32	844	983	1265	1572	1892	2413	3328
4.5		865	1061	1265	1572	1892	2485	3328
5	3/16	865	1104	1370	1682	1987	2633	3492
5.5	7/32	946	1180	1465	1793	2115	2798	3640
6		946	1232	1507	1825	2189	2866	3777
6.5	1/4	-	-	1542	-	2230	3002	3777
7		-	-	1711	-	2453	3393	4241
7.5	9/32	-	-	1743	-	2606	3456	4241
8	5/16	-	-	1828	-	2716	3540	4340
8.5	11/32	-	-	1887	-	2772	3606	4635
9		-	-	1887	-	2772	3606	4635
9.5	3/8	-	-	1987	-	2789	3684	4784
10		-	-	2069	-	2867	3849	4999
10.5	13/32	-	-	2139	-	3061	3993	5257
11		-	-	-	-	3168	4115	5424
11.5	7/16	-	-	-	-	3168	4115	5424
12	15/32	-	-	-	-	3325	4364	5566
12.5	1/2	-	-	-	-	3428	4505	5935

Other details will be maintained as per IS: 7823 - 2005

M.O.Q. - For sizes :

Upto 5 mm - 50 Nos. each
Above 5 mm - 35 Nos. each

**HSS TAPER SHANK TWIST DRILLS
LONG SERIES**

IS 8305 - 1976 (Type N)

Size		OAL	Price Each	Size		OAL	Price Each	Size		OAL	Price Each
mm	Inch	mm	Rs.	mm	Inch	mm	Rs.	mm	Inch	mm	Rs.
5	(3/16)	155	1136	10		197	2131	15		245	4219
5.2		155	1136	10.2		197	2191	15.25		251	4317
5.5	(7/32)	161	1265	10.5		197	2191	15.5		251	4317
5.8		161	1265	10.8		206	2239	15.75		251	4426
6		161	1265	11		206	2239	16	(5/8)	251	4426
6.2		167	1409	11.2		206	2322	16.25		257	4505
6.5	(1/4)	167	1409	11.5	(7/16)	206	2322	16.5		257	4505
6.8		174	1519	11.8		206	2322	16.75		257	4600
7		174	1519	12		215	2753	17		257	4600
7.2		174	1569	12.2		215	2902	17.25		263	4885
7.5		174	1569	12.5	(1/2)	215	2902	17.5	(11/16)	263	4995
7.8		181	1657	12.8		215	2902	17.75		263	5007
8	(5/16)	181	1657	13		215	2902	18		263	5007
8.2		181	1691	13.2		215	2902	18.25		269	5086
8.5		181	1691	13.5		223	3180	18.5		269	5086
8.8		188	1833	13.8		223	3308	18.75		269	5168
9		188	1833	14		223	3308	19	(3/4)	269	5168
9.2		188	1877	14.25		245	4129	19.25		275	5309
9.5	(3/8)	188	1877	14.5	(9/16)	245	4129	19.5		275	5309
9.8		197	2131	14.75		245	4219	19.75		275	5397



MC 42 WEF 101114

**HSS TAPER SHANK TWIST DRILLS
LONG SERIES**

IS 8305 - 1976 (Type N)

Size		OAL	Price Each	Size		OAL	Price Each	Size		OAL	Price Each
mm	Inch	mm	Rs.	mm	Inch	mm	Rs.	mm	Inch	mm	Rs.
20		275	5397	27.5		343	12818	38	(1.1/2)	426	25636
20.25		282	5487	27.75		343	13211	38.5		426	26478
20.5		282	5487	28		343	13211	39		426	26478
20.75		282	5588	28.25		351	13637	39.5		426	27527
21	(13/16)	282	5588	28.5	(1.1/8)	351	13637	40		426	27527
21.25		289	6491	28.75		351	14020	40.5		436	27527
21.5		289	6491	29		351	14020	41	(1.5/8)	436	27527
21.75		289	6621	29.25		351	14408	41.5		436	28934
22		289	7071	29.5		351	14408	42		436	28934
22.25		289	7071	29.75		351	14816	42.5		436	30612
22.5	(7/8)	296	7411	30	(1.3/16)	351	14816	43		447	32886
22.75		296	7411	30.25		360	15210	43.5		447	34667
23		296	9054	30.5		360	15210	44		447	34667
23.25		319	9054	30.75		360	15210	44.5		447	36093
23.5		319	9054	31		360	15210	45	(1.3/4)	447	36093
23.75		327	9054	31.25		360	15320	45.5		459	38054
24	(15/16)	327	9054	31.5		360	15320	46	(1.13/16)	459	38054
24.25		327	9450	31.75	(1.1/4)	369	15911	46.5		459	39602
24.5		327	9450	32		397	18328	47		459	39602
24.75		327	9794	32.5		397	19119	47.5		459	41603
25		327	9794	33	(1.5/16)	397	19119	48	(1.7/8)	470	41603
25.25		335	9794	33.5		397	19952	48.5		470	45563
25.5	(1)	335	9794	34		406	19952	49	(1.15/16)	470	45563
25.75		335	10187	34.5		406	20824	49.5		470	45563
26		335	10187	35	(1.3/8)	406	20824	50		470	47911
26.25		335	10481	35.5		406	20824				
26.5		335	10481	36		416	22820				
26.75		343	12421	36.5		416	23673				
27	(1.1/16)	343	12421	37	(1.7/16)	416	23673				
27.25		343	12818	37.5		416	25636				

M.O.Q. - For sizes :

- 5 mm to 31.75 mm - 25 Nos. each**
- Above 31.75 mm - 10 Nos. each**



MC 42 WEF 101114

**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

TO OUR STANDARD

Size		Price Each Rs.									
		Overall Length in millimeter									
mm	Inch	200	225	250	275	300	315	325	350	375	400
3	1/8	1597	1877	2079	2366	2682	-	3097	-	-	-
3.5		1642	1877	2137	2424	2752	-	3182	-	-	-
4	5/32	1642	1877	2137	2424	2752	-	3182	-	-	-
4.5		1683	1930	2137	2482	2918	-	3347	-	-	-
5	3/16	1683	1930	2137	2482	2918	-	3347	-	-	-
5.5	7/32	1683	1943	2241	2629	2980	-	3436	-	-	-
6		1693	1943	2265	2629	2980	3257	3436	-	-	-
6.5	1/4	1717	2006	2276	2761	3097	3359	3538	-	-	-
7		1870	2107	2365	2813	3242	3565	3715	-	-	-
7.5		1892	2159	2433	2865	3326	3644	3786	-	-	-
8	5/16	1976	2207	2530	2968	3410	3703	3891	-	-	-
8.5		2042	2290	2580	3020	3473	3747	3999	-	-	-
9		2074	2324	2641	3036	3500	3846	4032	-	-	-
9.5	3/8	2126	2351	2641	3120	3588	3897	4050	-	-	-
10		2131	2411	2720	3175	3657	3993	4163	4659	5253	5843
10.5		2191	2502	2902	3355	3846	4164	4373	5000	5618	6331
11		2240	2580	2930	3410	3916	4300	4485	5091	5709	6383
11.5	7/16	2322	2633	3005	3493	4012	4373	4569	5229	5859	6550
12		-	2633	3136	3632	4163	4543	4772	5397	5992	6721
12.5	1/2	-	2902	3242	3764	4291	4689	4905	5651	6379	7207
13		-	-	3846	4405	5000	5429	5709	6496	7291	8191
13.5		-	-	3969	4493	5136	5561	5812	6620	7473	8397
14		-	-	4101	4627	5229	5673	5906	6750	7627	8558

Contd. in Page No. 17 to 19.

NOTE : We can supply the following sizes and price can be had on application.

M.O.Q. - For sizes

32 mm to 50.8 mm upto 800 mm FL , 1000 mm OAL, Shank MT4 – 3 Nos. each

51 mm to 76.2 mm upto 800 mm FL, 1000 mm OAL, Shank MT5 – 2 Nos. each

77 mm to 102 mm upto 725 mm FL, 1000 mm OAL, Shank MT6 – 2 Nos. each



MC 42 WEF 101114

**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

TO OUR STANDARD

Size		Price Each Rs.					
		Overall Length in millimeter					
mm	Inch	250	275	300	315	325	350
14.5	9/16	4129	4690	5306	5704	5992	6880
15		4219	4793	5434	5825	6138	7017
15.5		4317	4904	5487	5939	6222	7124
16	5/8	4426	4986	5597	6023	6334	7227
16.5		4505	5052	5704	6138	6433	7361
17		4600	5174	5764	6211	6519	7473
17.5	11/16	-	-	5906	6331	6646	7617
18		-	-	5992	6472	6750	7740
18.5		-	-	6088	6550	6872	7808
19	3/4	-	-	6196	6646	6975	7936
19.5		-	-	6272	6721	7042	8080
20		-	-	6379	6831	7178	8173
20.5		-	-	6496	6955	7278	8309
21	13/16	-	-	6613	7090	7401	8488
21.5		-	-	6750	7207	7525	8637
22		-	-	6898	7400	7740	8798
22.5	7/8	-	-	7081	7556	7906	8947
23		-	-	7411	7910	8199	9243
23.5		-	-	8142	-	9054	9922
24	15/16	-	-	8142	-	9054	10021
24.5		-	-	8397	-	9450	10478
25		-	-	-	-	9794	10864
25.5	1	-	-	-	-	-	11200
26		-	-	-	-	-	11655
26.5		-	-	-	-	-	12004
27	1.1/16	-	-	-	-	-	12421
27.5		-	-	-	-	-	12818
28		-	-	-	-	-	13211
28.5	1.1/8	-	-	-	-	-	13637
29		-	-	-	-	-	14020
29.5		-	-	-	-	-	14408
30	1.3/16	-	-	-	-	-	14816
31	1.1/4	-	-	-	-	-	15210
32		-	-	-	-	-	15320



MC 42 WEF 101114

**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

TO OUR STANDARD

Size		Price Each Rs.						
		Overall Length in millimeter						
mm	Inch	375	400	425	450	475	500	525
14.5	9/16	7759	8708	10238	11428	12860	14422	-
15		7868	8851	10193	11566	12988	14569	-
15.5		8018	8972	10266	11677	13102	14694	-
16	5/8	8142	9153	10479	11879	13261	14857	-
16.5		8293	9347	10637	12004	13396	14948	-
17		8404	9450	10764	12154	13526	15088	-
17.5	11/16	8546	9563	10893	12294	13697	15229	-
18		8695	9738	11030	12421	13841	15376	-
18.5		8798	9890	11169	12564	13936	15524	-
19	3/4	8934	10021	11287	12707	14073	15613	-
19.5		9110	10225	11428	12857	14241	15766	-
20		9232	10372	11655	12988	14396	15958	-
20.5		9347	10528	11796	13211	14618	16198	-
21	13/16	9541	10699	12049	13436	14886	16452	-
21.5		9724	10903	12229	13720	15155	16787	-
22		9890	11086	12421	13933	15396	17053	-
22.5	7/8	10021	11205	12635	14126	15661	17336	-
23		10239	11405	12818	14384	15893	17589	-
23.5		10908	11795	13252	14792	16373	18129	-
24	15/16	11049	12207	13669	15261	16819	18613	-
24.5		11428	12623	14119	15695	17311	19119	-
25		11879	13012	14518	16149	17793	19653	-
25.5	1	12229	13399	14931	16572	18271	20112	-
26		12670	13834	15376	17063	18744	20648	-
26.5		13040	14220	15804	17498	19186	21154	-
27	1.1/16	13497	14642	16221	17935	19686	21646	-
27.5		13841	15003	16653	18388	20143	22134	-
28		14241	15443	17063	18832	21047	22669	-
28.5	1.1/8	14661	15826	17461	19290	21119	23136	-
29		15064	16257	17901	19750	21566	23660	-
29.5		15443	16642	18328	20170	22052	24178	-
30	1.3/16	15857	17053	18744	20625	22516	24655	-
31	1.1/4	16254	17466	19207	21160	23103	25350	-
32		16572	18328	20143	22185	24178	26526	28262



MC 42 WEF 101114

**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

TO OUR STANDARD

Size		Price Each Rs.					
		Overall Length in millimeter					
mm	Inch	400	425	450	475	500	525
33	1.5/16	19119	21039	23173	25260	27685	29534
34		19952	21932	24164	26354	28875	30782
35	1.3/8	20824	22895	25159	27456	30053	32026
36		21646	23764	26133	28513	31231	33219
37	1.7/16	22470	24655	27129	29584	32368	34466
38	1.1/2	23327	25636	28179	30693	33595	35765
39		24178	26760	29075	31668	34598	36828
40		25190	27527	30098	32737	35733	37989
41	1.5/8	-	-	-	-	36918	-
42		-	-	-	-	38559	-
43		-	-	-	-	40269	-
44		-	-	-	-	41949	-
45	1.3/4	-	-	-	-	43658	-
46	1.13/16	-	-	-	-	45506	-
47		-	-	-	-	47345	-
48	1.7/8	-	-	-	-	49192	-
49	1.15/16	-	-	-	-	51000	-
50		-	-	-	-	53056	-

NOTE : Sizes 6 mm to 50 mm, in OAL 200, 250, 315, 400 and 500 mm will be as per IS-7822/2005.

M.O.Q.: For sizes :

Upto 31.75 mm - 25 Nos. each
above 31.75 mm to 36.00 mm - 10 Nos. each

HSS TAPER SHANK CORE DRILLS

**IS 5366 - 1978
BS 328 (PART 1) - 1959**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
7.00		1161	14.00		2283	22.00		3981
(7.14)	9/32	1161	(14.29)	9/16	2349	(22.22)	7/8	4224
7.50		1239	15.00		2450	23.00		4473
(7.94)	5/16	1235	(15.08)	19/32	2450	(23.02)	29/32	4473
8.00		1239	15.87	5/8	2507	(23.81)	15/16	4881
8.50		1264	16.00		2507	24.00		5123
(8.73)	11/32	1239	(16.67)	21/32	2641	(24.61)	31/32	5123
9.00		1268	17.00		2641	25.00		5929
(9.52)	3/8	1362	(17.46)	11/16	2852	(25.40)	1	5929
10.00		1362	18.00		3068	26.00		6398
(10.32)	13/32	1362	(18.26)	23/32	3068	(26.19)	1.1/32	6398
11.00		1364	19.00		3507	(26.99)	1.1/16	7063
(11.11)	7/16	1364	(19.05)	3/4	3507	27.00		7063
(11.91)	15/32	1459	(19.84)	25/32	3521	(27.78)	1.3/32	7332
12.00		1459	20.00		3521	28.00		7768
(12.70)	1/2	1541	(20.64)	13/16	3767	(28.57)	1.1/8	7769
13.00		2085	21.00		3737	29.00		8132
(13.49)	17/32	2283	(21.43)	27/32	3981	(29.37)	1.5/32	8132



MC 42 WEF 101114

HSS TAPER SHANK CORE DRILLS

**IS 5366 - 1978
BS 328 (PART 1) - 1959**

Size		Price Each Rs.	Size		Price Each Rs.	Size		Price Each Rs.
mm	Inch		mm	Inch		mm	Inch	
30.00		8637	45.00		23931	(63.50)	2.1/2	59613
(30.16)	1.3/16	8637	46.00		24818	64.00		65089
(30.96)	1.7/32	8964	(46.04)	1.13/16	24818	65.00		65089
31.00		10079	47.00		25789	(65.09)	2.9/16	65089
(31.75)	1.1/4	10522	(47.62)	1.7/8	27119	66.00		68245
32.00		11531	48.00		27119	(66.67)	2.5/8	68245
(32.54)	1.9/32	11531	49.00		28958	67.00		71092
33.00		11773	(49.21)	1.15/16	28958	68.00		74546
(33.34)	1.5/16	11773	50.00		31162	(68.26)	2.11/16	74546
34.00		12913	(50.80)	2	34457	69.00		78188
(34.13)	1.11/32	12913	51.00		34756	(69.85)	2.3/4	79652
(34.92)	1.3/8	13637	52.00		38277	70.00		79652
35.00		12637	(52.39)	2.1/16	38277	71.00		81229
(35.72)	1.13/32	14668	53.00		44714	(71.44)	2.13/16	81229
36.00		14668	(53.97)	2.1/8	44714	72.00		84942
(36.51)	1.7/16	15473	54.00		44714	73.00		88091
37.00		15473	55.00		46867	(73.02)	2.7/8	88091
(37.31)	1.15/32	15913	(55.56)	2.3/16	46867	74.00		91422
38.00		17026	56.00		48853	(74.61)	2.15/16	91422
(38.10)	1.1/2	17026	57.00		48853	75.00		94790
39.00		18669	(57.15)	2.1/4	48853	76.00		99343
(39.69)	1.9/16	18669	58.00		53386	(76.20)	3	99343
40.00		18669	(58.74)	2.5/16	53386			
41.00		20577	59.00		54373			
(41.27)	1.5/8	20577	60.00		54373			
42.00		21187	(60.32)	2.3/8	54373			
(42.86)	1.11/16	21868	61.00		57946			
43.00		21868	(61.91)	2.7/16	57946			
44.00		23114	62.00		57946			
(44.45)	1.3/4	23114	63.00		59613			

Size upto 25/32" (20 mm) with 3 flutes and above 25/32" (20 mm) and upto 75 mm with 4 flutes and above 75.0 mm will be supplied with 6 flutes.

M.O.Q. - For sizes

- upto 31.75 mm (1.1/4") - 35 Nos. each
- over 31.75 mm (1.1/4") to 45 mm (1.3/4") - 20 Nos. each
- over 45 mm (1.3/4") to 50 mm (2") - 10 Nos. each
- over 50 mm (2") to 64 mm (2.1/2") - 5 Nos. each
- over 64 mm (2.1/2") - 3 Nos. each



MC 42 WEF 101114

**HSS SHELL DRILLS
(TAPER HOLE 1 IN 96)**

BS: 122 (PART 2) 1964

Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.
1	3155	1.11/16	5872	2.3/4	14663
1.1/16	3330	1.3/4	6008	2.7/8	16294
1.1/8	3529	1.13/16	6243	3	17897
1.3/16	3745	1.7/8	6432		
1.1/4	3911			3.1/8	20066
		1.15/16	6742	3.1/4	22006
1.5/16	4101	2	6971	3.3/8	23668
1.3/8	4333	2.1/8	7705	3.1/2	35406
1.7/16	4526	2.1/4	8432	3.5/8	30023
1.1/2	4689			3.3/4	31408
		2.3/8	9434	3.7/8	36356
1.9/16	4957	2.1/2	11473		
1.5/8	5173	2.5/8	13330	4	40177

R.H. cutting with RH Helical Flutes will be supplied as standard

M.O.Q. - For sizes

upto 2-1/2" - **5 Nos. each**
2.5/8" & above - **3 Nos. each**

HSS CENTRE DRILLS

TYPE 'A' IS : 6708 – 1977			TYPE 'B' IS : 6709 – 1977			BS 328 (PART 2) 1950			
Pilot Dia mm	Body Dia mm	Price Each Rs.	Pilot Dia mm	Body Dia mm	Price Each Rs.	Size BS No.	Pilot Dia Inch	Body Dia Inch	Price Each Rs.
1	3.15	198	1.6	6.3	405	BS 1	3/64	1/8	198
1.25	3.15	198	2	8	573	BS 2	1/16	3/16	198
1.6	4	198	2.5	10	730	BS 3	3/32	1/4	229
2	5	198	3.15	11.2	972	BS 4	1/8	5/16	355
2.5	6.3	229	4	14	1303	BS 5	3/16	7/16	462
3.15	8	355	5	18	1861	BS 6	1/4	5/8	871
4	10	435	6.3	20	2192	BS 7	5/16	3/4	1344
5	12.5	736	8	25	2836				
6.3	16	871							
8	20	1344							
10	25	1731							

M.O.Q. - For all sizes – 50 Nos Each.



MC 42 WEF 101114

HSS CYLINDRICAL CUTTERS

IS : 6309 - 1982

Dia mm	Width mm	Price Each Rs.	Dia mm	Width mm	Price Each Rs.	Dia mm	Width mm	Price Each Rs.
40	(20)	2571	63	50	5914	100	(90)	19446
	(32)	3214		70	7784		(110)	27318
	(50)	4001		(90)	9139		125	33279
	(70)	5363	80	(36)	6629	125	(50)	23391
50	(25)	3294		63	10538		(80)	33181
50	40	3901	80	80	12470	125	(110)	44654
	63	5109		100	14356		(125)	49956
	80	6629	100	(40)	10362		140	55564
63	(32)	4691		(70)	15694	160	125	83121

Type 'N' Cutters with right hand helix will be supplied as standard.

Bracketed sizes are as per IS : 1831 - 1961 / IS : 6309-1971

M.O.Q. - For sizes

upto 80 mm dia - 3 Nos. each

100 mm dia and above - 2 Nos. each

**HSS HIGH POWER
CYLINDRICAL CUTTERS**

BS : 122 (PART 1) 1953

Length Inch	Price Each Rs. Diameter				
	2-1/2"	3"	3-1/2"	4"	4-1/2"
1	4192	5286	5858	7407	10680
2	6207	8134	9767	12966	17934
3	8257	11050	13638	18512	25332
4	10288	14046	17558	23594	33181
5	12405	19751	25821	32758	40851
6	14517	25155	30726	38297	48548
7	16563	29346	35692	45657	56847
8	19394	33521	40659	52005	64057

Cutters with left hand helix will be supplied as standard

M.O.Q. - For sizes

For length 1" & 2 - 3 Nos. each

For length 3" & above- 2 Nos. each

**HSS HELICAL
CYLINDRICAL CUTTERS**

BS : 122 (PART 1) 1953

Length Inch	Price Each Rs. Diameter			Length Inch	Price Each Rs. Diameter		
	3"	4"	5"		3"	4"	5"
2	11697	17175	28644	5	28768	42326	58378
3	14807	22975	38586	6	36478	49805	68444
4	19911	29258	48560				

Cutters with left hand helix will be supplied as standard

M.O.Q. - For sizes

For 2 inch length - 3 Nos. each

3 inch length and above - 2 Nos. each



MC 42 WEF 101114

HSS SIDE AND FACE CUTTERS

IS : 6308 - 1982

Dia mm	Width mm	Bore mm	Price Each (Rs.)		Dia mm	Width mm	Bore mm	Price Each (Rs.)	
			Straight Teeth Type B	Staggered Teeth Type A				Straight Teeth Type B	Staggered Teeth Type A
50	5	16	3014	3749	150	28		22742	28496
	6		3132	3901		24443		31089	
	8		3214	4009	160	6	40	13417	14984
	10		3414	4266		8		14260	15931
63	6	22	3692	4772		10		15107	16874
63	8	22	3901	5207	160	12	40	15935	17793
	10		4243	5363		14		16774	18746
	12		4426	5779		16		17763	19684
	14		4559	6199		18		19022	21779
	16		4783	6687		20		19971	21779
63	18	22	5100	6885	160	22	40	21149	24142
80	6	27	4043	5074		25		22826	27993
	8		4480	5522	28	24443	29149		
	10		4783	6318	32	26606	31781		
	12		5100	6687	200	6	40	17558	19474
80	14	27	5424	7174		8		18946	20973
	16		5674	7321	10	20504	23050		
	18		6318	8290	12	23700	26059		
	20		6591	8695	14	25243	27883		
100	6	32	5779	7008		16		26804	29737
	100		8	32		6177		7500	200
10		6829	8038		20	30238	34747		
12		7321	8934		22	33019	37795		
14		7754	9139		25	36127	41505		
16		8290	9861		28	38035	44082		
100	18	32	8842	10137	200	32	40	42277	49408
	20		9520	10704		225		6	22617
	22		9968	12239	8	24689	27002		
	25		10830	13344	10	26875	29086		
125	6	32	8101	10051		12		31286	34143
	125		8	32		8695		10830	225
10		9316	12602		16	35830	39657		
12		10617	13084		18	40420	45959		
14		11501	13977		20	40420	45959		
16		11989	14517		22	44622	50892		
125	18	32	12857	16557	225	25	40	48865	55661
	20		13313	17863		28		53206	60161
	22		14702	19410		32		57540	64637
	25		16077	20186	250	6		25957	28438
	28		18103	23108		8		28605	30927
150	6		9861	12679	250	10		31073	33383
	8		10726	13716		12		36346	39803
	10		11637	14780		14		39349	42889
	12		13478	17024		16		42248	45959
	14		14414	18103		18		47755	53168
150	16		15359	19200	250	20		47755	53168
	18		17246	21297		22		52848	58919
	20		17246	21297		25		58267	64160
	22		19147	23597		28		63339	70991
	25		20991	25989		32		68357	77849

Type 'N' Cutters will be supplied as standard
M.O.Q. - For sizes
Upto 150 mm dia - 4 Nos. each
above 150 mm dia - 3 Nos. each



MC 42 WEF 101114

HSS SIDE AND FACE CUTTERS

BS : 122 (PART 1) - 1953

Dia Inch	Width Inch	Price Each (Rs.)		Dia Inch	Width Inch	Price Each (Rs.)	
		Straight Teeth Type B	Staggered Teeth Type A			Straight Teeth Type B	Staggered Teeth Type A
2.1/2	1/4	3692	—	5	5/16	8695	10830
	5/16	3868	—		3/8	9316	12602
	3/8	4043	—		7/16	9968	12824
	7/16	4225	—		1/2	10617	13084
	1/2	4407	—		5/8	11989	14517
2.1/2	5/8	4724	—	5	3/4	13313	16563
	3/4	5046	—		7/8	14702	19200
	7/8	5384	—		1	16077	20186
	1	5763	—		1.1/4	18568	—
	1.1/4	6477	—		1.1/2	21124	—
2.1/2 3	1.1/2	7217	—	6	1/4	9861	12679
	1/4	4092	5138		5/16	10726	13716
	5/16	4300	5464		3/8	11637	14780
	3/8	4559	6106		7/16	12556	15884
	7/16	4772	6207		1/2	13478	17024
3	1/2	5024	6318	6	5/8	15353	19200
	5/8	5509	7073		3/4	17246	21297
	3/4	5914	7514		7/8	19147	23597
	7/8	6582	8193		1	20991	25972
	1	7113	8842		1.1/4	24443	—
3	1.1/4	7854	—	6	1.1/2	27883	—
	1.1/2	8974	—		7	1/4	14620
3.1/2	1/4	4863	—	7	5/16	15820	19010
	5/16	5138	—		3/8	17022	20505
	3/8	5464	—		7/16	18160	21531
3.1/2	7/16	5788	—	7	1/2	19614	22506
	1/2	6071	—		5/8	21960	26396
	5/8	6729	—		3/4	24354	29526
	3/4	7371	—		7/8	26775	32485
	7/8	7947	—		1	29167	35388
	1	8741	—		7	1.1/4	33934
1.1/4	9889	—	1.1/2	38760		—	
1.1/2	11145	—	8	1/4		17558	19501
4	1/4	5763		7008	5/16	18946	20973
	5/16	6177	7500	3/8	20504	23050	
4	3/8	6591	7947	8	7/16	22098	24557
	7/16	7008	8433		1/2	23700	26059
	1/2	7321	8934		5/8	26804	29737
	5/8	8290	9861		3/4	29912	33821
	3/4	9139	11253		7/8	33019	37795
	7/8	9968	12239		8	1	36127
1	10830	13344	1.1/4	42270		—	
1.1/4	12309	—	1.1/2	48412		—	
1.1/2	13558	—	9	1/4		22617	24983
5	1/4	8101		5/16	24689	27002	



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HSS SIDE AND FACE CUTTERS

BS : 122 (PART 1) 1953

Dia Inch	Width Inch	Price Each (Rs.)		Dia Inch	Width mm	Price Each (Rs.)	
		Straight Teeth Type B	Staggered Teeth Type A			Straight Teeth Type B	Staggered Teeth Type A
9	3/8	26875	29086	10	5/16	28605	30927
	7/16	28966	32011		3/8	31073	33383
	1/2	31287	34186		7/16	33394	34920
	5/8	35830	39657		1/2	36346	39803
	3/4	39698	45959		5/8	42248	45959
9	7/8	44622	50892	10	3/4	47755	53168
	1	48865	52833		7/8	52850	58919
	1.1/4	57540	64637		1	58269	64160
	1.1/2	66237	73882		1.1/4	68357	77849
	1.3/4	81227	90117		1.1/2	79266	89450
10	1/4	25957	28438	1.3/4	96260	107491	

Type 'B' (Straight Teeth) Cutters of width 3/4" and above will be supplied with LH Helix as standard
M.O.Q. - For sizes
 Upto 6" dia - 4 Nos. each
 above 6" dia - 3 Nos. each

HSS KEYWAY MILLING CUTTERS

IS : 6355 - 1982

Dia mm	Width mm	Price Each Rs.	Dia mm	Width mm	Price Each Rs.	Dia mm	Width mm	Price Each Rs.
50	5	2734	100	6	5286	160	12	15370
	6	2957		8	5673		14	16377
	8	3137		10	6177		16	17535
	10	3275		12	6729		18	18662
63	5	3208	100	14	7238	160	20	19911
	6	3208		16	7789		22	21202
63	8	3357	100	18	8243	160	25	23017
	10	3692		20	8424		28	24303
	12	4009		22	9409		32	27503
	14	4243		25	10051		200	12
63	16	4559	125	8	8101	200	14	23880
	18	4900		10	8861		16	25396
80	5	4489	125	12	9664	200	18	27186
	6	4489		14	10652		20	29101
	8	4783		16	11360		22	31269
80	10	5106	125	18	12309	200	25	33711
	12	5717		20	13035		28	36532
	14	6177		22	13885		32	40664
	16	6564		25	15200		36	44791
	18	6934		28	16774		40	49043
80	20	7371	160	10	14599			

Cutters will be radially turned with staggered teeth and without corner radius.
Type 'H' cutters will be supplied as standard.

RECOMMENDED STANDARD BORES IN MM

Dia	Bore	Dia	Bore	Dia	Bore
50	16	100	32	160	40
63	22	125	32	200	40
80	27				

M.O.Q. - For sizes
 Upto 63 mm dia - 4 Nos. each
 Above 63 mm dia - 2 Nos. each



MC 42 WEF 101114

HSS SLOTING CUTTERS

BS : 122 (PART 1) 1953

Dia Inch	Width Inch	Price Each Rs.	Dia Inch	Width Inch	Price Each Rs.	Dia Inch	Width Inch	Price Each Rs.
2.1/2	1/4	2222	3 1/2	3/8	3760	5	7/16	7888
	5/16	2409		7/16	4043		1/2	8498
	3/8	2575		1/2	4334		5/8	9664
	7/16	2718		5/8	4935		3/4	10617
	1/2	2872		3/4	5363		7/8	11588
2.1/2	5/8	3214	3 1/2	7/8	5788	5	1	12556
	3/4	3441		1	6207		6	1/4
	7/8	3682	4	3/16	3819	6	5/16	8742
1	3901	1/4		3819	3/8		9587	
3	2540	5/16		4266	7/16		10445	
3	5/16	2734	4	3/8	4656	6	1/2	11315
	3/8	2941		7/16	5424		5/8	13032
	7/16	3214		1/2	5464		3/4	14452
	1/2	3377		5/8	6830		7/8	15884
	5/8	3803		3/4	6934		1	17366
3	3/4	4143	4	7/8	7982	5	1	8220
	7/8	4573		1	8220		1/4	6106
	1	5046		1/4	6106		5/16	6687
3.1/2	1/4	3168	5	5/16	6687	6	3/8	7275
	5/16	3477		3/8	7275			

Cutters of width 3/4" and above are supplied with Left Hand Helical Flutes as standard
M.O.Q. - For sizes Upto 3" dia - 4 Nos. each
above 3" dia - 3 Nos. each

HSS SINGLE ANGLE CUTTERS

IS : 6324 - 1971

Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.	Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.
50	12	16	60, 65, 70, 75, 80, 85	2846	80	32	22	70, 75, 80	6629
63	18	22	60, 65, 70, 75, 80, 85	4243	100	36	27	70, 75, 80	9946
63	26	22	70, 75, 80	5046					

RH Cutters in Type 'H' will be supplied as standard.
M.O.Q. - For all sizes - 3 Nos. each

HSS SINGLE ANGLE CUTTERS

BS : 122 (PART 1) 1953

Width Inch	Angle (Degrees)	Price Each Rs. Dia Inch		Width Inch	Angle (Degrees)	Price Each Rs. Dia Inch	
		2-3/4"	3"			2-3/4"	3"
5/16	30	3529	3901	1/2	45, 50, 55, 60, 65, 70, 80	4092	4620
7/16	40	3868	4412	5/8	50, 60, 65, 70, 80	4559	5138

RH Cutters will be supplied as standard. Price for LH Cutters will be same as above.
M.O.Q. - For all sizes - 3 Nos. each



MC 42 WEF 101114

HSS DOUBLE ANGLE CUTTERS

IS: 6325 - 1971.

Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.
50	12	16	12 x 55, 15 x 60, 65, 70, 75 & 80	3132
63	18	22	12 x 55, 15 x 60, 65, 70, 75 & 80	4286
50	14	16	20 x 90	3414
63	20	22	20 x 90	4489
50	16	16	25 x 100	3692
63	22	22	25 x 100	4853
80	32	22	15 x 65, 70, 75	6629
100	36	27	15 x 70, 75, 80	9946

Right Hand Cutters in Type 'H' will be supplied as standard
M.O.Q. - For sizes Upto 63 mm dia - 4 Nos. each **above 63 mm dia - 3 Nos each**

HSS DOUBLE ANGLE CUTTERS **BS 122 (PART 1) 1953**

Dia Inch	Width Inch	Bore Inch	Price Each Rs.	Dia Inch	Width Inch	Bore Inch	Price Each Rs.
Angle in Degrees : 12 x 48, 53, 63, 68, 73				Angle in Degrees : 12 x 48, 53, 63, 68, 73			
2-3/4	5/8	1	4092	3	5/8	1-1/4	5106
	3/4	1	4935		3/4	1-1/4	5138

R H Cutters will be supplied as standard
M.O.Q. - For all sizes - 3 Nos. each

HSS EQUAL ANGLE CUTTERS **IS : 6326 - 1996**

Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.	Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.
50	8	16	45	2757	80	12	27	45	4121
50	10	16	60	2879	80	18	27	60	4669
50	14	16	90	3246	80	22	27	90	5286
63	10	22	45	3357	100	18	32	45	6513
63	14	22	60	3717	100	25	32	60	7619
63	20	22	90	4297	100	32	32	90	8916

We can also manufacture and supply
HSS EQUAL ANGLE CUTTERS TO OLD IS SPECIFICATION **IS : 6326 - 1971**
with the following dimensions and prices :

Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.	Dia mm	Width mm	Bore mm	Angle (Degrees)	Price Each Rs.
56	10	16	45	3132	80	16	22	45	4480
56	12	16	60	3275	80	20	22	60	4863
56	14	16	90	3529	80	22	22	90	5286
63	12	22	45	3529	100	18	27	45	6513
63	16	22	60	3901	100	25	27	60	7619
63	18	22	90	4092	100	28	27	90	8257

Type 'H' Cutters will be supplied as standard.
M.O.Q. - For all sizes - 3 Nos. each.

HSS EQUAL ANGLE CUTTERS **BS 122 (PART 1) 1953**

Dia Inch	Width Inch	Angle (Degrees)	Price Each Rs.	Dia Inch	Width Inch	Angle (Degrees)	Price Each Rs.
2.3/4	5/16	30, 40	3529	3	5/16	30, 40	3901
2.3/4	7/16	40	3692	3	7/16	30, 40	4092
2.3/4	1/2	45, 60, 90	3692	3	1/2	45, 60, 90	4092
2.3/4	5/8	60, 90	4092	3	5/8	60, 90	4480

M.O.Q. For all sizes - 3 Nos. each



MC 42 WEF 101114

HSS CONVEX CUTTERS

IS: 6323 - 1982

Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.	Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.
50	3.2	1.6	16	3760	80	12.6	6.3	27	8194
50	4	2	16	3760	80	16	8	27	6799
63	5	2.5	22	4724	100	20	10	32	10434
63	6	3	22	4724	100	24	12	32	11512
63	6.3	3.15	22	4724	100	25	12.5	32	12174
63	8	4	22	4724	125	32	16	32	20123
63	10	5	22	5207	125	40	20	32	24247
80	12	6	27	6194					

**Cutters radially machine turned relieved in Type 'N' will be supplied as standard.
M.O.Q. - For all sizes - 2 Nos. each**

**We can also manufacture and supply
HSS CONVEX CUTTERS TO OLD IS SPECIFICATION
with the following dimensions and prices :**

IS : 6323 - 1971

Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.	Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.
50	3	1.5	22	3760	70	16	8	22	6177
50	3.2	1.6	22	3760	90	18	9	27	8257
50	4	2	22	3760	90	20	10	27	8695
56	5	2.5	22	4451	90	22	11	27	9583
56	6	3	22	4451	90	24	12	27	10269
63	6	3	22	4724	90	25	12.5	27	10617
63	8	4	22	4724	100	28	14	32	13096
63	10	5	22	5207	110	32	16	32	16563
70	12	6	22	5613	110	36	18	32	21864
70	14	7	22	6177	125	40	20	40	24247

**Cutters radially machine turned relieved in Type 'N' will be supplied as standard.
M.O.Q. - For all sizes - 2 Nos. each**

HSS CONCAVE CUTTERS

IS : 6322 - 1982

Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.	Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.
50	8	1.6	16	4489	80	24	6.3	27	9311
50	9	2	16	4694	80	32	8	27	10948
63	10	2.5	22	5151	100	36	10	32	15252
63	12	3	22	5547	100	40	12	32	16077
63	12	3.15	22	5547	100	40	12.5	32	16077
63	16	4	22	5707	125	50	16	32	33873
63	20	5	22	6696	125	60	20	32	36814
80	24	6	27	9311					

**Cutters radially machine turned relieved in Type 'N' will be supplied as standard.
M.O.Q. For all size – 2 Nos. each**



MC 42 WEF 101114

**We can also manufacture and supply
HSS CONCAVE CUTTERS TO OLD IS SPECIFICATION
with the following dimensions and prices :**

IS : 6322 - 1971

Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.	Dia mm	Width mm	Radius mm	Bore mm	Price Each Rs.
56	8	1.5	22	4724	90	40	10	27	14517
56	8	1.6	22	4724	100	42	11	27	16930
56	9	2	22	4964	100	44	12	27	17499
56	10	2.5	22	5106	100	46	12.5	27	17840
63	14	3.5	22	5717	100	50	14	27	19631
70	24	6	22	7982	125	56	16	32	27024
70	28	7	22	8377	125	62	18	32	36814
90	36	9	27	13084	125	70	20	32	38760

**Cutters radially machine turned relieved in Type 'N' will be supplied as standard.
M.O.Q. For all sizes – 2 Nos. each.**

**HSS CONVEX CUTTERS
HSS CONCAVE CUTTERS**

BS : 122 (PART 1) 1953

Dia Inch	D.O.C. Inch	Bore Inch	Price each Rs.		Dia Inch	D.O.C. Inch	Bore Inch	Price each Rs.	
			Convex	Concave				Convex	Concave
2.1/4	1/8	1	4001	4724	3	3/4	1	7217	10421
2.1/4	3/16	1	4266	4897	3.1/4	13/16	1	8165	12470
2.1/4	1/4	1	4458	5219	3.1/4	7/8	1	8695	12679
2.1/2	5/16	1	4724	5717	3.1/2	15/16	1	9739	14837
2.1/2	3/8	1	5033	6199	3.1/2	1	1	10186	15047
2.1/2	7/16	1	5216	6696	4	1.1/8	1.1/4	13096	18395
2.1/2	1/2	1	5616	7141	4	1.1/4	1.1/4	14414	19631
2.3/4	9/16	1	5717	8377	4.1/4	1-3/8	1.1/4	19838	25869
2.3/4	5/8	1	6207	8589	4.1/4	1-1/2	1.1/4	21460	29645
3	11/16	1	6885	10261					

M.O.Q. - For all sizes – 2 Nos. each

HSS SINGLE CORNER ROUNDING CUTTERS

IS : 6314 - 1982

Dia mm	Width mm	Corner Radius mm	Bore mm	Price each Rs.	Dia mm	Width mm	Corner Radius mm	Bore mm	Price each Rs.
50	5	1.6	16	3803	80	12	6.3	27	6665
50	5	2	16	3803	80	16	8	27	7174
63	5	2.5	22	4620	100	18	10	32	14194
63	6	3	22	4620	100	20	12	32	14799
63	6	3.15	22	4620	100	20	12.5	32	14799
63	8	4	22	4834	125	24	16	32	19976
63	10	5	22	5151	125	28	20	32	23193
80	12	6	27	6665					

**Cutters will be radially machine turned relieved. RH cutters in Type 'N' will be supplied as standard.
M.O.Q. - For all sizes - 2 Nos. each**



MC 42 WEF 101114

**HSS SINGLE CORNER ROUNDING CUTTERS
TO OLD IS SPECIFICATION**

IS : 6314 - 1971

Dia mm	Corner Radius mm	Width mm	Bore mm	Price each Rs.	Dia mm	Corner Radius mm	Width mm	Bore mm	Price each Rs.
56	1.6	4	22	4001	100	11	21	27	15257
56	2.0	4.5	22	4001	100	12	22	27	15257
56	2.5	5	22	4001	100	12.5	22	27	15257
63	3.5	7	22	4834	100	14	25	27	16160
70	6.0	12	22	5509	100	16	28	32	17367
70	7.0	14	22	5788	100	18	31	32	22197
90	9.0	18	27	8661	125	20	35	32	23607
90	10.0	20	27	9409					

Cutters will be radially machine turned relieved. RH cutters in type 'N' will be supplied as standard
MOQ : For all sizes 2 Nos. each

**HSS SINGLE CORNER ROUNDING CUTTERS
HSS DOUBLE CORNER ROUNDING CUTTERS**

BS : 122 (PART 1) 1953

Dia Inch	Corner Radius Inch	Bore Inch	Price each Rs.		Dia Inch	Corner Radius Inch	Bore Inch	Price each Rs.	
			Single Corner	Double Corner				Single Corner	Double Corner
2.1/4	1/16	1	4192	5925	3	3/8	1	6941	9894
2.1/4	3/32	1	4192	5925	3.1/4	13/32	1	7861	11360
2.1/4	1/8	1	4192	5925	3.1/4	11/16	1	7861	11360
2.1/2	5/32	1	4724	6665	3.1/2	15/32	1	9344	13716
2.1/2	3/16	1	4724	6665	3.1/2	1/2	1	9344	13716
2.1/2	7/32	1	4993	7141	3.1/2	9/16	1	10288	15343
2.1/2	1/4	1	4993	7141	3.1/2	5/8	1	10288	15343
2.3/4	9/32	1	5858	8497	3.3/4	11/16	1	15133	21678
2.3/4	5/16	1	5858	8497	3.3/4	3/4	1	15133	21678
3	11/32	1	6941	9894					

M.O.Q. - For all sizes - 2 Nos. each



MC 42 WEF 101114

**HSS INVOLUTE GEAR CUTTERS
14.1/2 & 20 DEG PA**

BS : 2518 - 1954

Module mm	Price Each Rs.					
	22 mm Bore	1" Bore	27 mm Bore	32 mm Bore	40 mm Bore	50 mm Bore
0.5	–	2528	–	–	–	–
0.75	–	2528	–	–	–	–
1	2528	2528	–	–	–	–
1.25	2655	–	–	–	–	–
1.5	2902	2902	–	–	–	–
1.75	2902	–	3257	3698	–	–
2	–	3257	3257	3698	–	–
2.25	–	3257	3257	3698	–	–
2.5	–	3590	3590	4182	–	–
2.75	–	3590	3590	4182	–	–
3	–	3879	3879	4899	–	–
3.25	–	–	4077	5160	–	–
3.5	–	4286	4286	5254	–	–
3.75	–	–	4843	5740	–	–
4	–	4843	4843	5441	–	–
4.5	–	–	5797	7198	–	–
5	–	6088	6088	7310	–	–
5.5	–	–	7310	8149	–	–
6	–	–	9132	9269	–	–
6.5	–	–	10438	11026	–	–
7	–	–	–	11597	–	–
8	–	–	–	13378	–	–
9	–	–	–	20543	20543	23418
10	–	–	–	22463	23284	25194
11	–	–	–	24380	26791	28086
12	–	–	–	25940	28086	29589
14	–	–	–	32671	33312	36646
16	–	–	–	–	–	45889

M.O.Q. - For all sizes – 2 Nos. each



MC 42 WEF 101114

**HSS INVOLUTE GEAR CUTTERS
14.1/2 & 20 DEG PA**

BS : 2518 - 1954

D.P. No.	Price Each Rs.				D.P. No.	Price Each Rs.			
	Bore in Inch					Bore in Inch			
	2	1.1/2	1.1/4	1		2	1.1/2	1.1/4	1
1.5	45889	-	-	-	11	-	-	3698	3257
1.75	36645	36645	33138	-	12	-	-	3698	3257
2	29589	28086	25940	-	13	-	-	-	3209
2.25	28086	26791	24380	-	14	-	-	-	2902
2.5	25195	23284	22463	-	15	-	-	-	2902
2.75	23418	20543	20543	-	16	-	-	-	2902
3	-	-	13378	-	18	-	-	-	2657
4	-	-	9269	9132	20	-	-	-	2657
5	-	-	7310	6088	22	-	-	-	2528
6	-	-	5438	4843	24	-	-	-	2528
7	-	-	5254	4286	26	-	-	-	2528
8	-	-	4900	3879	28	-	-	-	2528
9	-	-	4182	3590	30	-	-	-	2528
10	-	-	4104	3555					

M.O.Q. - For all sizes – 2 Nos. each

STANDARD CUTTERS GROUP

(8 CUTTERS)

Cutters Group	Inclusive Range of Teeth/For Spur Gears	Cutters Group	Inclusive Range of Teeth/For Spur Gears
1	135 to Rack	5	21 to 25
2	55 to 134	6	17 to 20
3	35 to 54	7	14 to 16
4	26 to 34	8	12 & 13

**HSS ROTARY FORM CUTTERS
FOR ROLLER CHAIN WHEELS**

BS : 228 - 1962

Pitch Inch	Roller Dia Inch	Price Each Rs.			Pitch Inch	Roller Dia Inch	Price Each Rs.		
		Cutter No					Cutter No		
		1	2	3			1	2	3
0.315	0.197	6687	6687	6687	0.75	0.475	11697	11697	11901
0.375	0.25	6934	6934	6934	1	0.625	22672	22672	22094
0.5	0.305	7833	7833	7833	1.25	0.75	26591	24594	24594
0.5	0.335	7833	7833	7833	1.5	1	26775	26591	27636
0.625	0.325	7833	7833	7833	1.75	1.1	36170	35762	35520
0.625	0.4	8778	8778	8778	2	1.15	52978	48729	47334

Cutter No.

1. – to cut 9 to 12 Teeth. 2. – to cut 13 to 19 Teeth. 3. – to cut 20 Teeth and above

Recommended Standard Bores : Upto 0.75" Pitch – 1"
1" to 1.5" Pitch – 1.1/4"
1.75" & 2" – 1.3/4"

M.O.Q. For all sizes – 2 Nos. each



MC 42 WEF 101114

HSS SHELL END MILLS

IS : 6257 - 1982

Dia mm	Length mm	Bore mm	Price each Rs.	Dia mm	Length mm	Bore mm	Price each Rs.
40	32	16	4863	100	50	32	17558
50	36	22	5914	125	56	40	29439
63	40	27	7784	160	63	50	55564
80	45	27	11501				

Type 'N' Cutters with RH helical flutes for RH cutting will be supplied as standard.
M.O.Q. For sizes

Upto 63 mm dia – 4 Nos. each
80 mm dia and above – 3 Nos. each

HSS SHELL END MILLS

BS : 122 (PART 1) 1953

Dia Inch	Length Inch	Bore Inch	Price each Rs.	Dia Inch	Length Inch	Bore Inch	Price each Rs.
1.1/4	1	1/2	3345	3	1.3/4	1.1/4	10261
1.1/2	1.1/8	1/2	4092	3.1/2	1.7/8	1.1/4	12794
1.3/4	1.1/4	3/4	4863	4	2.1/4	1.1/2	18817
2	1.3/8	3/4	5527	4.1/2	2.1/4	1.1/2	22558
2.1/4	1.1/2	1	6665	5	2.1/4	1.1/2	29439
2.1/2	1.5/8	1	7752	5.1/2	2.1/4	2	34437
2.3/4	1.5/8	1	8814	6	2.1/4	2	39718

Cutters with RH helical flutes for RH cutting will be supplied as standard.
M.O.Q. For sizes

Upto 3" – 4 Nos. each
Above 3" – 3 Nos. each

HSS FACE CUTTERS

BS : 122 (PART 1) 1953

Dia Inch	Length Inch	Bore Inch	Price each Rs.	Dia Inch	Length Inch	Bore Inch	Price each Rs.
1.3/4	1.1/4	3/4	4193	3	1.11/16	1.1/8	8741
2	1.1/4	3/4	4834	4	1.3/4	1.1/8	14620
2.1/2	1.1/4	3/4	6106	5	2	1.1/2	24594

Cutters for with RH helical flutes for RH cutting will be supplied as standard.
M.O.Q. For sizes

Upto 3" – 4 Nos. each
Above 3" – 3 Nos. each

HSS HOLLOW MILLS

BS : 122 (PART 1) 1953

Bore Dia Inch	O.S. Dia Inch	Price Each Rs.	Bore Dia Inch	O.S. Dia Inch	Price Each Rs.	Bore Dia Inch	O.S. Dia Inch	Price Each Rs.
1/4	5/8	2222	7/16	1	2872	3/4	1.1/2	4243
9/32	3/4	2649	1/2	1	2872	13/16	1.1/2	4243
5/16	3/4	2649	9/16	1.1/4	3692	7/8	1.3/4	5300
11/32	3/4	2649	5/8	1.1/4	3692	15/16	1.3/4	5300
3/8	1	2872	11/16	1.1/2	4243	1	1.3/4	5300

M.O.Q. For all sizes – 5 Nos. each



MC 42 WEF 101114

HSS END MILLS PARALLEL SHANK
HSS END MILLS TAPER SHANK (TANGED END)
HSS SLOT DRILLS PARALLEL SHANK
HSS SLOT DRILLS TAPER SHANK (TANGED END)

IS: 6353 - 1991
IS: 6354 - 1971
IS: 6352 - 1991
IS: 6388 - 1971

Dia mm	Price Each (Rs.)								
	END MILLS		SLOT DRILLS		Dia mm	END MILLS		SLOT DRILLS	
	Parallel Shank	Taper Shank	Parallel Shank	Taper Shank		Parallel Shank	Taper Shank	Parallel Shank	Taper Shank
3	623	1037	755	1156	33	3944	6224	-	-
4	623	1037	755	1156	34	4300	6828	4688	7263
5	623	1037	755	1156	35	4300	6828	4688	7263
6	696	1037	809	1156	36	4688	7483	5033	8470
7	783	1037	809	1156	37	5051	8160	-	-
8	783	1037	809	1270	38	5385	8160	5429	8470
9	783	1122	809	1270	39	5712	9487	-	-
10	783	1122	840	1297	40	6066	9487	5810	9667
11	783	1234	840	1297	41	6066	9487	6571	-
12	809	1234	916	1449	42	6905	10430	6571	-
13	915	1705	-	-	43	6905	10430	7306	-
14	1002	1705	1172	1816	44	-	10899	7306	-
15	1172	1816	1319	1885	45	7736	11721	7306	-
16	1172	1816	1319	1885	46	7736	11996	8112	-
17	1280	2217	-	-	47	8510	12426	8112	-
18	1424	2217	1623	2162	48	8510	12426	8112	-
19	1424	2561	-	-	49	8510	13973	8896	-
20	1575	2561	1623	2162	50	9361	13973	8896	-
21	1767	2688	1892	2686	51	9361	13973	-	-
22	1788	2688	1892	2686	52	11523	19580	-	-
23	1938	2930	2245	3198	53	11523	19580	-	-
24	1938	3166	2245	3198	54	13652	24738	-	-
25	2083	3166	2245	3198	55	16416	24738	-	-
26	2161	3943	3197	4414	56	16416	24738	-	-
27	2542	4408	-	-	57	19092	25965	-	-
28	2966	4408	-	4675	58	19092	25965	-	-
29	2966	4849	-	-	59	19092	25965	-	-
30	3264	4849	3898	5606	60	20385	25965	-	-
31	-	5148	-	-	61	20385	31132	-	-
32	3561	5148	3898	5606	62	20865	31132	-	-
					63	21221	31132	-	-

End Mills

- Tanged TS End Mills in Tool Type 'N' with LH Helical Flutes for RH cutting will be supplied as standard.
- PS End Mills, Type 'N' RH Helical flutes for RH cutting will be supplied as standard.
- TS End Mills with tapped end from 6 mm dia, can be manufactured and supplied as per IS : 6354-1991

Parallel Shank End Mills : M.O.Q. For sizes

- Upto 8 mm - 50 Nos. each
- Above 8 mm to 22 mm - 35 Nos. each
- Above 22 mm to 25 mm - 30 Nos. each
- Above 25 mm to 32 mm - 20 Nos. each
- Above 32 mm to 40 mm - 15 Nos. each
- Above 40 mm to 48 mm - 10 Nos. each
- Above 48 mm - 5 Nos. each

Taper Shank End Mills : M.O.Q. For sizes

- Upto 16 mm - 25 Nos. each
- Above 16 mm to 25 mm - 20 Nos. each
- Above 25 mm to 32 mm - 15 Nos. each
- Above 32 mm to 45 mm - 10 Nos. each
- Above 45 mm to 50 mm - 5 Nos. each
- Above 50 mm - 4 Nos. each

Slot Drill

Slot Milling Cutter type 'A' Flat Face of short series with RH Helical flutes for RH cutting and tool type 'H' will be supplied as standard, unless otherwise specified. Prices and MOQ for standard series can be furnished on request.

T.S. Slot Milling Cutters with tapped end from 6 mm dia can be manufactured and supplied as per IS 6388-1991

Parallel Shank Slot Drills : M.O.Q. For sizes

- Upto 6 mm - 50 Nos. each
- Above 6 mm to 18 mm - 35 Nos. each
- Above 18 mm to 25 mm - 25 Nos. each
- Above 25 mm to 32 mm - 20 Nos. each
- Above 32 mm to 38 mm - 15 Nos. each
- Above 38 mm to 50 mm - 7 Nos. each

Taper Shank Slot Drills : M.O.Q. For sizes

- Upto 18 mm - 25 Nos. each
- Above 18 mm to 32 mm - 20 Nos. each
- Above 32 mm to 38 mm - 15 Nos. each
- Above 38 mm - 10 Nos. each

For Long Series End Mills

Ref. Page 4 Point III - For price and MOQ



MC 42 WEF 101114

**HSS PARALLEL SHANK END MILLS / SLOT DRILLS
HSS TAPER SHANK END MILLS / SLOT DRILLS (TANGED END)**

BS - 122 (PART 1) 1953

Dia Inch	Price Each (Rs.)			
	END MILLS		SLOT DRILLS	
	Parallel Shank	Taper Shank	Parallel Shank	Taper Shank
1/8	623	968	755	1038
5/32	623	968	755	1038
3/16	623	968	755	1038
7/32	624	991	807	1138
1/4	696	991	809	1197
9/32	716	991	—	—
5/16	783	991	809	1270
3/8	783	1077	809	1270
7/16	783	1092	827	1297
1/2	809	1234	916	1449
9/16	1002	1705	1172	1816
5/8	1172	1816	1319	1885
11/16	1311	2049	1492	2050
3/4	1424	2162	1623	2162
13/16	1575	2457	1892	2686
7/8	1788	2690	1892	2686
15/16	—	2920	—	—
1	2083	3142	2245	3198
1-1/8	2966	4381	3197	4675
1-1/4	3561	5148	3898	5606
1-3/8	4300	6828	4688	7263
1-1/2	5033	8160	5429	8470
1-5/8	6066	9487	6720	—
1-3/4	7736	10899	7306	—
1-7/8	8530	12426	8112	—
2	9341	13973	8895	—
2-1/16	11523	—	—	—
2-1/8	13652	19364	—	—
2 -3/16	16416	—	—	—
2-1/4	17761	24738	—	—
2-5/16	19092	—	—	—
2-3/8	20385	26996	—	—
2-1/2	22984	31132	—	—

End Mills

1. Tanged End TS End Mills for RH cutting with Left Hand Helical flutes will be supplied as standard.
2. PS End Mills for RH Cutting with Right Hand Helical flutes will be supplied as standard.

Parallel Shank End Mills

M.O.Q. For sizes

- Upto 5/16" — 50 Nos. each
- Above 5/16" to 7/8" — 35 Nos. each
- Above 7/8" to 1" — 30 Nos. each
- Above 1" to 1-1/4" — 15 Nos. each
- Above 1-1/4" to 1-5/8" — 10 Nos. each
- Above 1-5/8" — 5 Nos. each

Taper Shank End Mills

M.O.Q. For sizes

- Upto 5/8" — 25 Nos. each
- Above 5/8" to 1" — 20 Nos. each
- Above 1" to 1-1/4" — 15 Nos. each
- Above 1-1/4" to 1-3/4" — 10 Nos. each
- Above 1-3/4" — 5 Nos. each

Slot Drill

Slot Drills for RH cutting with RH Helical flutes will be supplied as standard

Parallel Shank Slot Drill

M.O.Q. For sizes

- Upto 1/4" — 50 Nos. each
- Above 1/4" to 11/16" — 35 Nos. each
- Above 11/16" to 1" — 25 Nos. each
- Above 1" to 1-1/4" — 20 Nos. each
- Above 1-1/4" to 1-1/2" — 15 Nos. each
- Above 1-1/2" — 7 Nos. each

Taper Shank Slot Drill

M.O.Q. For sizes

- Upto 11/16" — 25 Nos. each
- Above 11/16" to 1-1/4" — 20 Nos. each
- Above 1-1/4" — 15 Nos. each



MC 42 WEF 101114

**HSS WOODRUFF KEYSLOT CUTTERS TYPE 'A'
STRAIGHT TEETH**

IS : 2669 - 1971

Dia mm	Width mm	Price Each Rs.	Dia mm	Width mm	Price Each Rs.	Dia mm	Width mm	Price Each Rs.
10.5	2	1309	16.5	5	1822	28.5	6	3822
10.5	2.5	1309	19.5	4	2072	28.5	8	3822
10.5	3	1309	19.5	5	2072	28.5	10	3822
13.5	3	1636	19.5	6	2072	32.5	7	4520
13.5	4	1636	22.5	5	2356	32.5	8	4520
16.5	3	1822	22.5	6	2356	32.5	10	4520
16.5	4	1822	22.5	8	2356	45.5	10	7676

M.O.Q. For sizes

10.5 mmdia	- 35 Nos. each
13.5 mm to 19.5 mm dia	- 30 Nos. each
22.5 mm dia	- 25 Nos. each
28.5 mm dia	- 15 Nos. each
32.5 mm dia	- 10 Nos. each
45.5 mm dia	- 10 Nos. each

**HSS CUTTERS FOR
WOODRUFF KEYSEATS**

BS : 122 (PART 1) 1953

B.S. No.	Price Each Rs.	B.S. No.	Price Each Rs.	B.S. No.	Price Each Rs.
204	1396	507	2668	810	4722
304	1396	607	2668	1010	4722
404	1396	807	2668	1210	4722
305	1935	608	3225	1011	5747
405	1935	808	3225	1211	5747
505	1935	1008	3225	812	6493
406	2273	609	3990	1012	6493
506	2273	809	3990	1212	6493
606	2273	1009	3990		

M.O.Q. For sizes

Nos. 204, 304, 404, 305, 405	- 30 Nos. each
Nos. 406, 505 & 606	- 30 Nos. each
Nos. 507 to 807 and 608 to 1008	- 25 Nos. each
Nos. 609 to 809	- 15 Nos. each
Nos. 810 to 1210, 1011 to 1212	- 10 Nos. each



MC 42 WEF 101114

HSS 'T' SLOT CUTTERS WITH TAPER SHANK

IS : 2668 - 2004

Nom Size of T-Slot mm	Dia of Cutter mm	Price Each Rs.	Nom Size of T-Slot mm	Dia of Cutter mm	Price Each Rs.	Nom Size of T-Slot mm	Dia of Cutter mm	Price Each Rs.
10	18	4979	18	32	13095	36	60	40771
12	21	5440	22	40	17542	42	72	49478
14	25	10459	28	50	22625			

RH Cutters Tool Type 'N' will be supplied as standard.

M.O.Q. For sizes
 Upto 14 mm – 20 Nos. each
 Over 14 mm to 22 mm – 15 Nos. each
 Over 22 mm to 28 mm – 10 Nos. each
 Over 28 mm to 36 mm – 5 Nos. each
 Over 36 mm to 42 mm – 3 Nos. each

HSS 'T' SLOT CUTTERS

BS : 122 (PART 1) 1953

Nom Size of T-Slot Inch	Dia of Cutter Inch	Price Each Rs.	Nom Size of T-Slot Inch	Dia of Cutter Inch	Price Each Rs.	Nom Size of T-Slot Inch	Dia of Cutter Inch	Price Each Rs.
1/4	37/64	4001	5/8	1-21/64	10223	1-1/8	2-1/8	23929
5/16	45/64	4511	3/4	1-33/64	12692	1-1/4	2-5/16	28466
3/8	53/64	4932	7/8	1-45/64	14969	1-3/8	2-1/2	35135
7/16	61/64	5228	1	1-61/64	18538	1-1/2	2-3/4	44984
1/2	1-5/64	6315						

M.O.Q. For sizes
 Upto 1/2" – 20 Nos. each
 Over 1/2" to 7/8" – 15 Nos. each
 Over 7/8" to 1" – 10 Nos. each
 Over 1" to 1-3/8" – 5 Nos. each
 Over 1-3/8" to 1-1/2" – 3 Nos. each

HSS SCREWED SHANK

BS : 122 (PART 4) 1980

END MILLS/SLOT DRILLS – SHORT (NORMAL) SERIES

Dia mm	Price Each Rs.		Dia mm	Price Each Rs.		Dia mm	Price Each Rs.	
	End Mills	Slot Drills		End Mills	Slot Drills		End Mills	Slot Drills
3	1400	1645	12	1686	1878	26	4274	4626
4	1400	1645	13	1931	1985	28	5124	5623
5	1400	1645	14	1931	2177	30	5368	6157
6	1400	1645	16	2177	2451	32	6195	6713
7	1545	1645	18	2749	3102	34	7401	7975
8	1545	1645	20	3083	3429	36	8587	9147
9	1545	1645	22	3338	3531	38	8587	9147
10	1622	1752	24	3830	4075			
11	1622	1716	25	3830	4075			

RH Helical Flutes with RH Cutting

M.O.Q. For sizes Upto 32 mm – 35 Nos. each
 Over 32 mm to 38 mm – 20 Nos. each



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**HSS SCREWED SHANK END MILLS
SHORT (NORMAL) / LONG SERIES**

BS : 122 (PART 4) 1980

Dia Inch	Price Each Rs.		Dia Inch	Price Each Rs.		Dia Inch	Price Each Rs.	
	Short Series	Long Series		Short Series	Long Series		Short Series	Long Series
1/8	1400	1452	11/16	2557	3050	1 1/4	6195	7576
3/16	1400	1452	3/4	2749	3431	1 5/16	7401	8136
1/4	1400	1452	13/16	3083	3884	1 3/8	7401	8778
5/16	1545	1622	7/8	3338	4307	1 7/16	8587	9488
3/8	1545	1829	15/16	3574	4657	1 1/2	8587	10136
7/16	1622	1976	1	3830	5368	1 5/8	9988	12417
1/2	1686	2276	1 1/16	4274	5900	1 3/4	11172	14293
9/16	1931	2557	1 1/8	5124	6393	1 7/8	13901	16254
5/8	2177	2888	1 3/16	5368	6890	2	16092	18262

RH Helical Flutes with RH cutting

M.O.Q. For sizes

- Upto 1-1/4" – 35 Nos. each
- Over 1-1/4" to 1-3/4" – 20 Nos. each
- Over 1-3/4" to 2" – 10 Nos. each

**HSS SCREWED SHANK SLOT DRILLS
SHORT SERIES (NORMAL) / LONG SERIES**

BS : 122 (PART 4) 1980

Dia Inch	Price Each Rs.		Dia Inch	Price Each Rs.		Dia Inch	Price Each Rs.	
	Short Series	Long Series		Short Series	Long Series		Short Series	Long Series
1/8	1645	1776	11/16	2860	3281	1-1/4	6713	8077
3/16	1645	1776	3/4	3102	3574	1-5/16	7975	8800
1/4	1645	1776	13/16	3429	4132	1-3/8	7975	9488
5/16	1645	1776	7/8	3531	4433	1-7/16	9147	10136
3/8	1645	1878	15/16	3746	4959	1-1/2	9147	10837
7/16	1716	2194	1	4075	5368	1-5/8	10637	12856
1/2	1878	2320	1-1/16	4626	6111	1-3/4	11757	14633
9/16	2177	2733	1-1/8	5623	6902	1- 7/8	14390	16492
5/8	2451	2947	1-3/16	6157	7490	2	16391	18262

RH Helical Flutes with RH cutting

M.O.Q. For sizes

- Upto 1-1/4" – 35 Nos. each
- Over 1-1/4" to 1-3/4" – 20 Nos. each
- Over 1-3/4" to 2" – 10 Nos. each



MC 42 WEF 101114

HSS HOLE MILLS (FINISHING) GUIDED - TYPE B**IS: 5989 - 1998**

Size mm	PriceEach Rs.	Size mm	Price Each Rs.	Size mm	Price Each Rs.
6	2252	18	5308	30	11704
8	2334	20	5788	32	13586
10	2735	22	6616	34	18363
12	3093	24	8520	35	18363
13	3893	25	9187	36	19617
14	3893	26	10326	38	20975
15	4087	27	10326	40	24179
16	4087	28	11260	42	26932

M.O.Q. For sizes

- Upto 18 mm - 25 Nos. each
Over 18.0 mm to 32 mm - 20 Nos. each
Over 32 mm to 42 mm - 10 Nos. each

HSS HOLE MILLS (ROUGHING) GUIDED - TYPE B**IS: 5989 - 1998**

Size mm	PriceEach Rs.	Size mm	Price Each Rs.	Size mm	Price Each Rs.
5.9	2252	17.8	5308	29.7	11704
7.9	2334	19.8	5788	31.7	13586
9.9	2735	21.7	6616	33.7	18363
11.8	3093	23.7	8520	34.7	18363
12.8	3893	24.7	9187	35.7	19617
13.8	3893	25.7	10326	37.7	20975
14.8	4087	26.7	10326	39.7	24179
15.8	4087	27.7	11260	41.6	26932

M.O.Q. For sizes

- Upto 18 mm - 25 Nos. each
Over 18.0 mm to 32 mm - 20 Nos. each
Over 32 mm to 42 mm - 10 Nos. each



MC 42 WEF 101114

HSS HAND REAMERS	mm Sizes	Inch Sizes
HSS MACHINE REAMERS WITH TAPER SHANK	IS : 5444-1978	BS 328 (PART 4)/
HSS CHUCKING REAMERS WITH PARALLEL SHANK	IS : 5445-1978	1983
HSS CHUCKING REAMERS WITH TAPER SHANK	IS : 5446-1978	
	IS : 5447-1978	

Dia		Price Each Rs.			
		Reamers		Chucking Reamers	
mm	Inch	Hand	Machine	Parallel Shank	Taper Shank
3.00		1059	1059	1059	1059
(3.17)	1/8	1059	1059	1059	1059
(3.97)	5/32	1059	1059	1059	1059
4.00		1059	1059	1059	1059
(4.76)	3/16	1059	1059	1059	1059
5.00		1059	1059	1059	1059
(5.56)	7/32	1059	1059	1059	1059
6.00		1233	1233	1233	1233
(6.35)	1/4	1233	1233	1233	1233
7.00		1235	1235	1235	1235
(7.14)	9/32	1235	1235	1235	1235
(7.94)	5/16	1400	1400	1400	1400
8.00		1400	1400	1400	1400
(8.73)	11/32	1459	1459	1459	1459
9.00		1459	1459	1459	1459
(9.52)	3/8	1591	1591	1591	1591
10.00		1763	1763	1763	1763
(10.32)	13/32	1763	1763	1763	1763
11.00		1980	1980	1980	1980
11.11	7/16	1980	1980	1980	1980
(11.91)	15/32	2059	2059	2059	2059
12.00		2059	2059	2059	2059
(12.70)	1/2	2137	2137	2137	2137
13.00		2599	2599	2599	2599
(13.49)	17/32	2599	2599	2599	2599
14.00		2599	2599	2599	2599
(14.29)	9/16	2599	2599	2599	2599
15.00		2616	2616	2616	2616
(15.08)	19/32	2616	2616	2616	2616
(15.87)	5/8	2616	2616	2616	2616
16.00		2616	2616	2616	2616
(16.67)	21/32	3012	3012	—	3012
17.00		3012	3012	—	3012
(17.46)	11/16	3012	3012	—	3012
18.00		3225	3225	—	3225
(18.26)	23/32	3429	3429	—	3429
19.00		3429	3429	—	3429
(19.05)	3/4	3429	3429	—	3429
20.00		3822	3822	—	3822
(20.64)	13/16	3893	3893	—	3893
21.00		4326	4326	—	4326
22.00		4326	4326	—	4326
(22.22)	7/8	4326	4326	—	4326
23.00		5049	5049	—	5049
(23.81)	15/16	5594	5594	—	5594



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HSS HAND REAMERS	mm Sizes	Inch Sizes
HSS MACHINE REAMERS WITH TAPER SHANK	IS : 5444-1978	BS 328 (PART 4)/
HSS CHUCKING REAMERS WITH PARALLEL SHANK	IS : 5445-1978	1983
HSS CHUCKING REAMERS WITH TAPER SHANK	IS : 5446-1978	
	IS : 5447-1978	

Dia		Price Each Rs.			
		Reamers		Chucking Reamers	
mm	Inch	Hand	Machine	Parallel Shank	Taper Shank
24.00		5594	5594	-	5594
25.00		5606	5606	-	5606
(25.40)	1	5708	5708	-	5708
26.00		6928	6928	-	6928
(26.99)	1.1/16	7923	7923	-	7923
27.00		7923	7923	-	7923
28.00		7923	7923	-	7923
(28.57)	1.1/8	7923	7923	-	7923
29.00		8405	8405	-	8405
30.00		9069	9069	-	9069
(30.16)	1.3/16	9069	9069	-	9069
31.00		10015	10015	-	10015
(31.75)	1.1/4	10015	10015	-	10015
32.00		10015	10015	-	10015
33.00		11373	11373	-	11373
(33.34)	1.5/16	11373	11373	-	11373
34.00		12778	12778	-	12778
(34.92)	1.3/8	13982	13982	-	13982
35.00		13982	13982	-	13982
36.00		13982	13982	-	13982
(36.51)	1.7/16	14084	14084	-	14084
37.00		15347	15347	-	15347
38.00		15347	15347	-	15347
(38.10)	1.1/2	15347	15347	-	15347
39.00		16961	16961	-	16961
(39.69)	1.9/16	18538	18538	-	18538
40.00		18538	18538	-	18538
41.00		18695	18695	-	18695
(41.27)	1.5/8	18695	18695	-	18695
42.00		22033	22033	-	22033
(42.86)	1.11/16	22033	22033	-	22033
43.00		22033	22033	-	22033
44.00		22033	22033	-	22033
(44.45)	1.3/4	22033	22033	-	22033
45.00		25819	25819	-	25819
46.00		25819	25819	-	25819
47.00		27878	27878	-	27878
(47.62)	1.7/8	29942	29942	-	29942
48.00		29942	29942	-	29942
49.00		29942	29942	-	29942
(49.21)	1.15/16	29942	29942	-	29942
50.00		29942	29942	-	29942
(50.80)	2	29942	29942	-	29942
51.00		29942	29942	-	-
52.00		35690	35690	-	-



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HSS HAND REAMERS	mm Sizes	Inch Sizes
HSS MACHINE REAMERS WITH TAPER SHANK	IS : 5444-1978	BS 328 (PART 4)/
HSS CHUCKING REAMERS WITH PARALLEL SHANK	IS : 5445-1978	1983
HSS CHUCKING REAMERS WITH TAPER SHANK	IS : 5446-1978	
	IS : 5447-1978	

Dia		Price Each Rs.			
		Reamers		Chucking Reamers	
mm	Inch	Hand	Machine	Parallel Shank	Taper Shank
(52.39)	2.1/16	35690	35690	-	-
53.00		35690	35690	-	-
(53.97)	2.1/8	35690	35690	-	-
54.00		35690	35690	-	-
55.00		41443	41443	-	-
(55.56)	2.3/16	41443	41443	-	-
56.00		41443	41443	-	-
57.00		41443	41443	-	-
(57.15)	2.1/4	41443	41443	-	-
58.00		44342	44342	-	-
(58.74)	2.5/16	44342	44342	-	-
59.00		44342	44342	-	-
60.00		52610	52610	-	-
(60.32)	2.3/8	52610	52610	-	-
61.00		52610	52610	-	-
(61.91)	2.7/16	52610	52610	-	-
62.00		52610	52610	-	-
63.00		52610	52610	-	-
(63.50)	2.1/2	52610	52610	-	-
64.00		52610	52610	-	-
65.00		-	63518	-	-
(65.09)	2.9/16	63518	63518	-	-
66.00		-	65662	-	-
(66.67)	2.5/8	65662	65662	-	-
67.00		-	65662	-	-
68.00		-	70391	-	-
(68.26)	2.11/16	70391	70391	-	-
69.00		-	70391	-	-
(69.85)	2.3/4	70391	70391	-	-
70.00		-	70391	-	-
71.00		-	70391	-	-
(71.44)	2.13/16	73957	73957	-	-
72.00		-	85992	-	-
73.00		-	85992	-	-
(73.02)	2.7/8	85992	85992	-	-
74.00		-	85992	-	-
(74.61)	2.15/16	85992	85992	-	-
75.00		-	90299	-	-
76.00		-	90299	-	-
(76.20)	3	90299	90299	-	-
M.O.Q.	- For sizes -	Upto 12.0 mm (1/2")		-	25 Nos. each
Hand and Machine Reamers	-	13.0 to 18.0 mm (17/32" to 11/16")		-	20 Nos. each
Chucking Reamers	-	19.0 to 25 mm (23/32" to 1")		-	15 Nos. each
		26.0 to 30 mm (1.1/16" to 1.3/16")		-	10 Nos. each
		31.0 to 40 mm (1.1/4" to 1.1/2")		-	5Nos. each
		41.0 to 63 mm (1.9/16" to 2.1/2")		-	3 Nos. each
		64.0 to 76.0 mm (2.9/16" to 3")		-	2 Nos. each



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HSS TAPER SHANK EXTRA LONG MACHINE REAMERS

Dia mm	Price Each Rs.	Dia Inch mm	Price Each Rs.
8 x 125 x 200	2027	5/16 x 125 x 200	2027
8 x 175 x 250	2166	5/16 x 175 x 250	2166
8 x 200 x 300	2375	5/16 x 200 x 300	2375
8 x 225 x 300	2980	3/8 x 125 x 200	2546
9 x 125 x 200	1977	3/8 x 175 x 250	2715
9 x 175 x 250	2276	3/8 x 200 x 300	2882
10 x 125 x 200	2546	7/16 x 160 x 250	3016
10 x 175 x 250	2715	7/16 x 200 x 300	3178
10 x 200 x 300	2882	1/2 x 175 x 200	3400
10 x 300 x 400	3079	1/2 x 200 x 300	3438
12 x 160 x 250	3016	9/16 x 200 x 300	4041
12 x 200 x 300	3178	9/16 x 250 x 350	4282
13 x 200 x 300	3635	5/8 x 200 x 300	4041
14 x 160 x 250	3388	5/8 x 250 x 350	4324
14 x 200 x 300	3978	5/8 x 300 x 400	4521
15 x 200 x 300	4041	11/16 x 200 x 300	5015
15 x 300 x 400	4521	3/4 x 200 x 300	5323
16 x 200 x 300	4041	3/4 x 300 x 400	5666
16 x 300 x 400	4521	13/16 x 200 x 300	6707
17 x 200 x 300	4558	7/8 x 200 x 300	7946
18 x 200 x 300	5010	7/8 x 300 x 400	8117
19 x 200 x 300	5323	1 x 275 x 400	9781
20 x 200 x 300	5906	1 x 200 x 315	8709
20 x 300 x 400	6673	1-1/8 x 275 x 400	14860
22 x 200 x 300	6707		
25 x 200 x 315	8709		
25 x 275 x 400	9781		
26 x 275 x 400	12094		
28 x 175 x 400	13892		

**M.O.Q. – Sizes Upto 20 mm – 10 Nos.
Sizes Above 20 mm – 5 Nos.**



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HSS MACHINE JIG REAMERS

IS: 11002 - 1984

Dia mm	Price Each Rs.	Dia mm	Price Each Rs.	Dia mm	Price Each Rs.
6	1723	21	5513	36	17083
7	1832	22	5513	37	18264
8	1832	23	5513	38	18264
9	1985	24	7098	39	18264
10	2263	25	7693	40	20994
11	2263	26	8600	41	20994
12	2594	27	8600	42	23455
13	3082	28	9345	43	23455
14	3082	29	10170	44	25771
15	3389	30	10170	45	27986
16	3389	31	11773	46	27986
17	3912	32	11773	47	30511
18	4382	33	13827	48	33182
19	4382	34	15922	49	33182
20	4779	35	15922	50	36890

RH Cutting with LH Helical Flutes will be supplied as standard

M.O.Q. For sizes

- Upto 16 mm – 20 Nos. each
- 17 mm to 23 mm – 15 Nos. each
- 24 mm to 28 mm – 10 Nos. each
- 29 mm to 41 mm – 5 Nos. each
- 42 mm to 50 mm – 3 Nos. each

HSS MACHINE JIG REAMERS

BS : 122 (PART 2) 1964

Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.
1/4	1723	5/8	3225	1.1/4	11329
9/32	1832	11/16	3822	1.5/16	13273
5/16	1832	3/4	4222	1.3/8	14797
11/32	1920	13/16	4629	1.7/16	16430
3/8	1920	7/8	5308	1.1/2	17573
13/32	2226	15/16	6799	1.5/8	18066
7/16	2226	1	7380	1.3/4	24300
15/32	2404	1.1/16	8278	1.7/8	29291
1/2	2460	1.1/8	8999	2	35496
9/16	2992	1.3/16	9799		

RH Cutting with LH Helical Flutes will be supplied as standard

M.O.Q. For sizes

- Upto 5/8" – 20 Nos. each
- 11/16 to 15/16 – 15 Nos. each
- 1" to 1.1/8" – 10 Nos. each
- 1.3/16" to 1.5/8" – 5 Nos. each
- 1.3/4" to 2" – 3 Nos. each



MC 42 WEF 101114

HSS SHELL REAMERS (TAPER HOLE 1 IN 30)

IS: 5926 - 1970

Dia mm	PriceEach Rs.	Dia mm	Price Each Rs.	Dia mm	Price Each Rs.
21, 22, 23	3556	48	7596	79	22852
24, 25	3556	49	7648	80	25049
26, 27	3768	50	7960	81	25049
28	4044	51	8734	82	25049
29	4237	52,53,54	8816	83	26758
30	4257	55, 56	9674	84	26758
31	4428	57	9674	85	27018
32	4456	58, 59	10847	86	28666
33	4679	60	10847	87	28666
34	4869	61	12981	88	28666
35	4923	62, 63	13105	89	28940
36	5129	64	15073	90	33891
37	5327	65, 66	15216	91	34229
38	5401	67	16694	92	34229
39, 40	5670	68, 69	16694	93	35432
41	5922	70	16694	94	35432
42, 43	6719	71	18374	95	35782
44	6817	72, 73	18563	96	40999
45	7110	74, 75	20174	97	40999
46	7110	76	20370	98	41309
47	7448	77, 78	22619	99, 100	45729

RH Cutting Straight Flutes will be supplied as standard

M.O.Q. For sizes

- Upto 63 mm – 5 Nos. each
- 64 mm & above – 3 Nos. each

HSS SHELL REAMERS (TAPER HOLE 1 IN 96)

BS : 328 (PART 4) 1983

Dia Inch	PriceEach Rs.	Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.
1	3566	1-11/16	6654	2-3/4	16530
1-1/16	3768	1-3/4	6791	2-7/8	18538
1-1/8	4008	1-13/16	7042	3	20174
1-3/16	4179	1-7/8	7279	3-1/8	22619
1-1/4	4428	1-15/16	7603	3-1/4	24830
1-5/16	4650	2	7878	3-3/8	26758
1-3/8	4869	2-1/8	8734	3-1/2	28666
1-7/16	5086	2-1/4	9512	3-5/8	33913
1-1/2	5309	2-3/8	10612	3-3/4	35432
1-9/16	5605	2-1/2	12981	3-7/8	40999
1-5/8	5852	2-5/8	15073	4	45298

RH Cutting with LH Helical Flutes will be supplied as standard

M.O.Q. For sizes

- Upto 2.1/2" – 5 Nos. each
- 2.5/8" & above – 3 Nos. each



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HSS MACHINE BRIDGE REAMERS

IS: 5919 - 1978

Dia mm	Price Each Rs.	Dia mm	Price Each Rs.	Dia mm	Price Each Rs.
6.4	1840	17.5	4909	28	9740
7.4	1840	18	5513	29	10514
8.4	2155	19	5513	30	10514
9.4	2432	20	6058	31	11581
10	2691	21	6731	32	11581
11	2691	21.5	6731	33	12461
11.5	3145	22	6731	34	13368
12	3145	23	7341	35	13368
13	3429	23.5	7341	36	14265
13.5	3429	24	7983	37	15207
14	3429	25	7983	40	24179
15	3978	26	8999	43	28616
17	4909	27	8999	49	38922

RH Cutting with LH Helical Flutes will be supplied as standard

M.O.Q. For sizes

- Upto 12 mm – 25 Nos. each
- 13 mm to 19 mm – 15 Nos. each
- 20 mm to 30 mm – 10 Nos. each
- 31 mm to 37 mm – 5 Nos. each
- 40 mm to 49 mm – 3 Nos. each

HSS MACHINE BRIDGE REAMERS

BS : 328 (PART 4) 1983

Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.
1/4	1799	11/16 MT3	4909	1.3/16	10093
5/16	2004	3/4	5513	1.1/4 MT3	11260
3/8	2290	13/16	5854	1.1/4 MT4	11581
7/16	2691	7/8	6731	1.5/16	11920
1/2	2909	15/16	7341	1.3/8	12778
9/16	3429	1	7983	1.7/16	13657
5/8	3978	1.1/16	8687	1.1/2	15207
11/16 MT2	4003	1.1/8	9331		

RH Cutting with LH Helical Flutes will be supplied as standard

M.O.Q. For sizes

- Upto 1/2" – 25 Nos. each
- 9/16" to 3/4" – 15 Nos. each
- 13/16" to 1-3/16" – 10 Nos. each
- 1.1/4" & above – 5 Nos. each



MC 42 WEF 101114

**HSS SOCKET REAMERS (ROUGHING/FINISHING)
PARALLEL SHANK/TAPER SHANK**

**BS : 328
(PART 4) 1983**

Morse Taper No.	Price Each Rs.		Morse Taper No.	Price Each Rs.		Morse Taper No.	Price Each Rs.	
	Parallel Shank	Taper Shank		Parallel Shank	Taper Shank		Parallel Shank	Taper Shank
0	2432	2887	3	5417	6776	5	18264	19617
1	2676	3045	4	8960	10674	6	32229	44936
2	3727	4520						

**RH Cutting with RH Spiral Flutes will be supplied as standard for ROUGHING REAMERS
RH Cutting with LH Sprial Flutes will be supplied as standard for FINISHING REAMERS**

M.O.Q. For sizes
Upto MT 4 – 35 Nos. each
MT 5 – 20 Nos. each
MT 6 – 5 Nos. each

**HSS TAPER PIN REAMERS (TAPER 1 IN 50)
HAND/
MACHINE**

**IS : 5881-1984
IS : 5918-1984**

Dia mm	Price Each Rs.		Dia mm	Price Each Rs.		Dia mm	Price Each Rs.	
	Hand	Machine		Hand	Machine		Hand	Machine
3	2275	2275	10	3415	3415	25	8504	8504
4	2275	2275	12	4123	4123	30	11443	11443
5	2275	2275	14	4629	4629	32	12573	12573
6	2275	2275	16	5153	5153	40	22483	22483
8	3079	3079	20	8015	8015	50	38965	38965

14 mm will be as per IS : 1836 - 1961.
RH Cutting with Straight flutes will be supplied as standard for HAND TAPER PIN REAMERS.
RH Cutting with LH Helical flutes will be supplied as standard for MACHINE TAPER PIN REAMERS.

M.O.Q For Sizes
Upto 10 mm – 20 Nos. each
12 mm to 14 mm – 15 Nos. each
16 mm to 32 mm – 10 Nos. each
40 mm – 5 Nos. each
50 mm – 3 Nos. each



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**HSS TAPER PIN REAMERS (TAPER 1 IN 48)
HAND/MACHINE**

BS : 328 (PART 4) 1983

Dia Inch	Price Each Rs.		Dia Inch	Price Each Rs.		Dia Inch	Price Each Rs.	
	Hand	Machine		Hand	Machine		Hand	Machine
9/64	2120	—	9/32	2319	2319	1/2	3859	3859
5/32	2120	2120	5/16	2568	2568	9/16	4461	4461
11/64	2120	2120	11/32	2898	2898	5/8	4962	4962
3/16	2120	2120	3/8	2955	2955	3/4	6254	6254
7/32	2120	2120	13/32	3315	3315	7/8	7717	7717
1/4	2120	2120	7/16	3413	3413			

**RH Cutting with Straight Flutes will be supplied as standard for HAND TAPER PIN REAMERS
RH Cutting with LH Helical Flutes will be supplied as standard for MACHINE TAPER PIN REAMERS**

M.O.Q. For sizes :
 Upto 5/8" - 25 Nos. each
 3/4" & 7/8" - 20 Nos. each

HSS TAPER SHANK COUNTER BORES

IS : 5710-1988

Dia mm	Price Each Rs.	Dia mm	Price Each Rs.	Dia mm	Price Each Rs.
13.5	2825	28	9501	43	18349
14.5	3158	29	10015	46	20892
16.5	3625	31	10919	48	22678
17.5	3899	33	12510	51	25599
19.5	4604	34	13336	53	27811
20	4826	36	14495	55	30614
22	5524	37	15105	57	33635
23	6341	39	16367	59	37270
25	7676	41	17749	61	41523
26	8508				

M.O.Q. For sizes
 Upto 31 mm - 15 Nos. each
 33 mm to 46 mm - 10 Nos. each
 48 mm & above - 3 Nos. each

Tools without Pilot will be supplied as standard, unless specific Pilot size is given.



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HSS TAPER SHANK COUNTER BORES

BS : 122 (PART 2) 1964

Dia Inch	Pilot Dia Inch	Price Each Rs.	Dia Inch	Pilot Dia Inch	Price Each Rs.	Dia Inch	Pilot Dia Inch	Price Each Rs.
1/4	1/8	1676	11/16	7/16	3899	1-1/4	3/4	10919
5/16	3/16	1907	3/4	1/2	4382	1-3/8	13/16	13336
3/8	7/32	2128	13/16	9/16	4859	1-1/2	7/8	15493
7/16	1/4	2201	7/8	5/8	5524	1-5/8	15/16	17758
1/2	5/16	2478	15/16	5/8	6493	1-3/4	1	20118
9/16	3/8	3082	1	3/4	7676	1-7/8	1 1/8	22349
5/8	7/16	3440	1-1/8	3/4	9501	2	1 1/4	24677

Size 9/16" dia and above will be supplied with detachable pilots.

M.O.Q. For sizes

Upto 1-1/4"	- 15 Nos. each
1-3/8" to 1-3/4"	- 10 Nos. each
1-7/8" & 2"	- 3 Nos. each

**HSS COUNTERSINKS WITH
TAPER SHANK (60 OR 90 Degrees)**

BS : 122 (PART 2) 1964

Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.
1/2	1860	1-1/8	5747	2	17270
5/8	2470	1-1/4	7234	2-1/4	19581
3/4	2799	1-3/8	8458	2-1/2	24300
7/8	3534	1-1/2	10023	2-3/4	28681
1	4446	1-3/4	14821	3	34687

RH Cutting with Straight Flutes will be supplied as standard

M.O.Q. For sizes

Upto 1-1/4"	- 15 Nos. each
1-3/8" to 1-3/4"	- 10 Nos. each
1-7/8" & above	- 3 Nos. each

**HSS CENTRE REAMERS
(60 OR 90 Degrees)**

BS : 122 (PART 2) 1964

Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.	Dia Inch	Price Each Rs.
1/4	1126	1/2	1596	3/4	2668
3/8	1295	5/8	2170		

RH Rotation with Straight Flutes will be supplied as standard

M.O.Q. For all sizes - 20 Nos. each



MC 42 WEF 101114

HSS GROUND THREAD HAND TAPS M C P (NON-SERIAL) IS : 6175 - PART 2 & 3 - 1992 (6H TOL)
HSS GROUND THREAD MACHINE TAPS M C P IS : 6175 - PART 4 - 1991 (6H TOL)
HSS GROUND THREAD NUT TAPS M C P IS : 6175 PART 5 - 1991 (6H TOL)

Dia & Pitch mm	Price Each Rs.						
	Hand Tap	Short M/C Tap Spiral Flute	Hand Tap SPPT Type B	Machine Tap		M/C Tap Long Shank Spiral Flute	Nut Tap
				Type A, C & D	Type B		
3 x 0.5	318	-	387	-	-	-	-
4 x 0.7	318	-	387	674	-	-	-
5 x 0.8	330	-	408	491	574	-	-
6 x 1.0	338	353	408	529	623	652	713
7 x 1.0	431	-	-	571	-	-	809
8 x 1.25	391	410	474	571	680	711	809
9 x 1.25	475	-	-	-	-	-	-
10 x 1.50	490	510	590	714	840	887	1078
11 x 1.50	750	-	-	-	-	-	-
12 x 1.75	749	790	902	1008	1193	1282	1654
14 x 2.00	1087	1147	1314	1460	1719	1943	2298
16 x 2.00	1087	1147	1314	1460	1719	1943	2298
18 x 2.50	1639	1722	1969	2123	2508	2785	3514
20 x 2.50	2154	2199	2510	2633	3082	3302	4688
22 x 2.50	2237	2351	2689	2920	3440	3882	4755
24 x 3.00	2513	2623	3001	3261	3842	4193	5402
25 x 3.00	3150	-	3657	-	-	-	6458
27 x 3.00	3886	-	4543	5013	5919	-	8296
30 x 3.50	4341	-	5085	5518	6514	-	10246
33 x 3.50	5298	-	6189	6465	7826	-	11310
36 x 4.00	7357	-	8612	8453	-	-	14633
39 x 4.00	8638	-	10112	10183	-	-	17457
42 x 4.50	10085	-	11786	11628	-	-	20787
45 x 4.50	13561	-	15874	15588	-	-	25067
48 x 5.00	14462	-	16930	17529	-	-	29325
52 x 5.00	18153	-	21246	20293	-	-	-
56 x 5.50	25824	-	-	26105	-	-	-
60 x 5.50	27228	-	-	30815	-	-	-
64 x 6.00	28643	-	-	34771	-	-	-
68 x 6.00	35741	-	-	48442	-	-	-

HAND TAPS :

A set consists of Taper, Second & Bottoming.
 Part 2 design will be supplied from 3 mm to 10 mm including 10 mm
 Part 3 design will be supplied above 10 mm.

MACHINE TAPS :

Type 'A' - 5 Deg. Taper Angle with Long Taper Lead.
 Type 'B' - 10 Deg. Taper Lead Angle with Spiral point
 Type 'C' - 20 Deg. Taper Angle with Short Taper Lead
 Type 'D' - 10 Deg. Taper Angle without Spiral point

HAND TAPS & MACHINE TAPS A, B, C & D and SPIRAL FLUTE TAPS

M.O.Q. - For sizes

M3 & M4 - 100 Nos. each
 M5 to M10 - 150 Nos. each
 M12 to M16 - 100 Nos. each
 M18 to M22 - 45 Nos. each
 M24 to M33 - 25 Nos. each
 M35 to M39 - 20 Nos. each
 M40 to M45 - 15 Nos. each
 M48 to M52 - 10 Nos. each
 M56 to M60 - 5 Nos. each
 Above M64 - 3 Nos. each

M.O.Q. - For sizes Nut Taps

Upto M10 - 50 Nos. each
 M12 to M16 - 25 Nos. each
 M18 to M39 - 20 Nos. each
 Above M42 - 10 Nos. each



MC 42 WEF 101114

HSS GROUND THREAD HAND TAPS M F P (NON-SERIAL) IS : 6175 - PART 2 & 3 - 1992 (6H TOL)
HSS GROUND THREAD MACHINE TAPS M F P IS : 6175 - PART 4 - 1991 (6H TOL)
HSS GROUND THREAD NUT TAPS M F P IS : 6175 PART 5 - 1991 (6H TOL)

Dia & Pitch mm	Price Each Rs.					
	Hand Tap	Short M/C Tap Spiral Flute	Hand Tap SPPT Type B	Machine Tap		Nut Tap
				Type A, C & D	Type B	
3 x 0.35	515	-	551	-	-	-
3.5 x 0.35	515	-	551	-	-	-
4 x 0.5	455	-	551	-	-	-
5 x 0.5	445	-	539	604	-	-
6 x 0.75	454	498	539	604	719	786
7 x 0.75	528	-	630	685	817	1016
8 x 0.75	522	-	625	652	774	922
8 x 1.0	475	521	564	652	774	922
9 x 0.75	580	-	740	897	1118	-
9 x 1.0	580	-	740	897	1118	922
10 x 0.75	656	-	812	-	-	-
10 x 1.0	551	601	647	753	897	1215
10 x 1.25	551	601	647	801	947	1215
11 x 1.0	918	-	1204	1167	1350	-
12 x 1.0	875	-	992	977	-	1908
12 x 1.25	875	925	992	1087	1287	1908
12 x 1.5	875	925	992	1087	1287	1908
14 x 1.0	1126	-	1352	1472	1744	2843
14 x 1.25	1156	1215	1386	1460	1719	2843
14 x 1.5	1087	1147	1314	1460	1719	2843
15 x 1.0	1323	-	-	1565	1832	-
15 x 1.5	1126	-	-	1460	1703	-
16 x 1.0	1126	-	1352	1565	1832	2843
16 x 1.5	1087	1147	1314	1460	1719	2843
18 x 1.0	2040	-	2290	2549	3063	4022
18 x 1.5	1904	1965	2090	2443	2880	4022
18 x 2.0	1904	2153	2290	2443	2880	4022
20 x 1.0	2525	-	3045	3184	3882	-
20 x 1.5	2364	2479	2637	3184	3763	5154
20 x 2.0	2364	2662	3045	3184	3763	5154
22 x 1.0	2858	-	3334	3184	4091	-
22 x 1.5	2569	2705	2877	3184	3894	5472
22 x 2.0	2569	2917	3334	3184	3894	5472
24 x 1.0	2909	-	3148	3689	4559	-
24 x 1.5	2909	2964	3148	3689	4345	6507
24 x 2.0	2909	3167	3624	3689	4345	6507
25 x 1.5	3215	-	3857	4802	5668	7315
25 x 2.0	3215	-	-	4802	5668	-
26 x 1.5	3232	-	-	4739	5592	-
26 x 2.0	3232	-	-	4739	5592	-
27 x 1.5	4317	-	5055	5668	6689	9222
27 x 2.0	4317	-	5055	5668	6689	-
28 x 1.5	4317	-	-	6124	7185	11484
28 x 2.0	4317	-	-	6124	7185	-
30 x 1.0	4870	-	-	6560	7714	-
30 x 1.5	4870	-	5685	6377	7523	11484
30 x 2.0	4870	-	5685	6377	7523	11484



MC 42 WEF 101114

HSS GROUND THREAD HAND TAPS M F P (NON-SERIAL) IS : 6175 - PART 2 & 3 - 1992 (6H TOL)
HSS GROUND THREAD MACHINE TAPS M F P IS : 6175 - PART 4 - 1991 (6H TOL)
HSS GROUND THREAD NUT TAPS M F P IS : 6175 PART 5 - 1991 (6H TOL)

Dia & Pitch mm	Price Each Rs.					
	Hand Tap	Short M/C Tap Spiral Flute	Hand Tap SPPT Type B	Machine Tap		Nut Tap
				Type A, C & D	Type B	
30 x 3.0	4870	—	5685	6377	7523	—
32 x 1.5	5124	—	—	7049	8414	—
32 x 2.0	5124	—	—	7049	8414	—
33 x 1.5	5936	—	—	7714	9153	12741
33 x 2.0	5936	—	—	7714	9153	12741
33 x 3.0	5936	—	—	7714	9153	—
35 x 1.5	8228	—	—	10721	—	—
36 x 1.5	8228	—	—	10721	—	—
36 x 2.0	8228	—	—	10721	—	—
36 x 3.0	8228	—	—	10721	—	—
39 x 1.5	10275	—	—	13024	—	—
39 x 2.0	10275	—	—	13024	—	—
39 x 3.0	10275	—	—	13024	—	—
40 x 1.5	10381	—	—	14019	—	—
40 x 2.0	10889	—	—	14019	—	—
40 x 3.0	11389	—	—	14019	—	—
42 x 1.5	11389	—	—	14787	—	—
42 x 2.0	11389	—	—	14787	—	—
42 x 3.0	11389	—	—	14787	—	—
42 x 4.0	11389	—	—	14787	—	—
45 x 1.5	15794	—	—	20630	—	—
45 x 2.0	15794	—	—	20630	—	—
45 x 3.0	15794	—	—	20630	—	—
45 x 4.0	15794	—	—	20630	—	—
48 x 1.5	16456	—	—	21375	—	—
48 x 2.0	16456	—	—	21375	—	—
48 x 3.0	16456	—	—	21375	—	—
48 x 4.0	16456	—	—	21375	—	—
50 x 1.5	18143	—	—	24881	—	—
50 x 2.0	18143	—	—	24881	—	—
50 x 3.0	18143	—	—	24881	—	—
52 x 1.5	20445	—	—	26563	—	—
52 x 2.0	20445	—	—	26563	—	—
52 x 3.0	20445	—	—	26563	—	—
52 x 4.0	20445	—	—	26563	—	—

HAND TAPS :
A set consists of Taper & Bottoming.
Part 2 design will be supplied upto and including 10 mm.
Part 3 design will be supplied above 10 mm.

MACHINE TAPS :
Type 'A' – 5 Deg. Taper Angle with Long Taper Lead.
Type 'B' – 10 Deg. Taper Lead Angle with Spiral point
Type 'C' – 20 Deg. Taper Angle with Short Taper Lead
Type 'D' – 10 Deg. Taper Angle without Spiral point

HAND TAPS & MACHINE TAPS A, B, C & D and SPIRAL FLUTE TAPS

M.O.Q. – For sizes
M3 & M4 – 100 Nos. each
M5 to M10 – 150 Nos. each
M12 to M16 – 100 Nos. each
M18 to M22 – 45 Nos. each
M24 to M33 – 25 Nos. each
M35 to M39 – 20 Nos. each
M40 to M45 – 15 Nos. each
Above M48 – 10 Nos. each
M.O.Q. – For sizes Nut Taps
Upto M10 – 50 Nos. each
M12 to M16 – 25 Nos. each
Above M18 – 20 Nos. each



MC 42 WEF 101114

**HSS GROUND THREAD HAND TAPS
BSW, BSF, UNC, UNF FORM**

**BS: 949 (PART 2) 1979
CLASS 2 TOL**

Dia Inch	M.O.Q.				Price Each Rs.
	BSW	BSF	UNC	UNF	
3/16	150	150	*	*	330
1/4	150	150	150	150	338
5/16	100	100	100	100	391
3/8	100	100	100	100	466
7/16	100	100	100	100	601
1/2	100	100	100	100	757
9/16	100	100	100	100	1099
5/8	100	100	100	100	1099
11/16	35	35	35	35	1666
3/4	35	35	35	35	1666
13/16	35	35	35	35	1966
7/8	35	35	35	35	2261
1	20	20	20	20	2909
1.1/8	20	20	20	20	3945
1.1/4	20	20	30	30	4753
1.3/8	20	20	20	20	6133
1.1/2	20	20	20	20	7357
1.5/8	10	10	10	10	8624
1.3/4	10	10	10	10	10088
2	10	10	10	10	14462
2.1/4	5	5	5	5	21612
2.1/2	5	5	5	5	28365
2.3/4	3	3	3	3	35398
3	3	3	3	3	47503

**Hand Tap consists of I, II & III Taps (Taper, Second & Bottoming)
Range of UNF Taps - Upto 1.1/2" dia only
*3/16" size UNC/UNF not covered in BSS standard**

**HSS GROUND THREAD NUT TAPS
BSW, BSF, UNC, UNF FORM**

**BS: 949-1969
ZONE - 3 TOL**

Size Inch	Price each Rs.	Size Inch	Price each Rs.	Size Inch	Price each Rs.
1/4	713	5/8	2298	1.1/4	10334
5/16	809	11/16	2963	1.3/8	12417
3/8	991	3/4	3514	1.1/2	14897
7/16	1329	7/8	4755	1.3/4	20948
1/2	1654	1	6196	2	29584
9/16	2298	1.1/8	8357		

Range of UNF Nut Taps - Upto 1-1/2" dia only.

M.O.Q. - For sizes
 Upto 7/16" - 50 Nos. each
 Over 1/2" to 5/8" - 25 Nos. each
 Over 11/16 to 7/8" - 20 Nos. each
 Over 1" to 1-1/2" - 15 Nos. each
 Over 1-3/4" - 10 Nos. each



MC 42 WEF 101114

HSS GROUND THREAD HAND TAPS

BSP (PARALLEL)

BSP (TAPER) (RC-SERIES)

NPT, NPS, NPSF & NPTF

BS CONDUIT (ZONE - 3)

BS: 949 - 1951

BS: 949 (PART 3) - 1982

BS: 949 - 1969

BS: 949 - 1951

Dia Inch	Price Each Rs.						
	BSP (P)	NPS	NPSF	BSPT	NPT	BS CON	NPTF
1/16	—	—	—	—	684	—	684
1/8	494	586	710	656	684	—	794
1/4	769	1014	1240	1183	1243	—	1499
3/8	1130	1250	1499	1584	1654	—	1835
1/2	1650	1806	2178	2302	2405	1028	2673
5/8	1871	—	—	—	—	1567	—
3/4	2627	2790	3330	3662	3823	2049	4118
7/8	3263	—	—	—	—	—	—
1	4148	4702	5629	5693	5969	3184	6406
1.1/4	6227	7267	—	8148	8539	4628	9437
1.1/2	7760	9068	—	10103	10575	7399	—
1.3/4	11906	—	—	—	—	—	—
2	13937	16207	—	18236	19102	12497	—
2.1/4	24104	—	—	—	—	—	—
2.1/2	34542	—	—	53537	56077	—	—
2.3/4	38821	—	—	—	—	—	—
3	43763	—	—	69783	73109	—	—
3.1/2	57504	—	—	91726	96054	—	—
4	72359	—	—	115297	120779	—	—

BSP (P), NPS, NPSF, BSPT, NPT & NPTF : A set consists of 2 Taps (Taper & Bottoming)

BS CON: A set consists of 3 Taps (Taper, Second & Bottoming)

M.O.Q. - For Sizes

- 1/8" & 3/8" - 100 Nos. each
- 1/2" & 5/8" - 50 Nos. each
- 3/4" , 7/8 & 1" - 25 Nos. each
- 1-1/4" - 20 Nos. each
- 1-1/2" & 1-3/4" - 15 Nos. each
- 2" - 10 Nos. each
- 2" and above - 5 Nos. each

Note : We can also supply BSP (Parallel) Taps to new BS: 949 PART 3-1982 (G/RP Series) at the same rates and M.O.Q. as given above for all sizes.

LPG CYLINDER TAPS 3/4" - 14 NGT non-interrupted 4 flutes can be supplied at Rs. 3574 each.

HSS GROUND THREAD HAND TAPS BSCY

BS: 949 - 1951

Size Inch	TPI	Price Each Rs.	Size Inch	TPI	Price Each Rs.
1/4	26	389	9/16	26	1449
5/16	26	473	9/16	26 LH	1449
3/8	26	605	1	24	2857
7/16	26	775	1.37	24	5989
1/2	26	949	1.37	24 LH	5989

A set consists of 3 Taps - Taper, Second & Bottoming.

M.O.Q. - For Sizes

- Upto 9/16" - 100 Nos. each
- 1" - 25 Nos. each
- 1.370" - 15 Nos. each



MC 42 WEF 101114

**HSS TOOL HOLDER BITS
SQUARE**

Size		Price Each Rs.				
Inch	mm	M 2	M 35	M 42	T 42	T 42-C
3/16 x 3	5 x 75	126	226	294	310	323
3/16 x 4	5 x 100	166	330	432	452	475
3/16 x 6	5 x 150	256	602	922	972	995
1/4 x 3	6 x 75	145	286	395	415	438
1/4 x 4	6 x 100	171	390	526	555	577
1/4 x 6	6 x 150	243	635	860	907	937
1/4 x 8	6 x 200	350	1052	1460	1536	1609
5/16 x 3	8 x 75	159	373	511	538	572
5/16 x 4	8 x 100	209	514	699	734	780
5/16 x 6	8 x 150	344	822	1125	1179	1255
5/16 x 8	8 x 200	438	1172	1589	1673	1784
3/8 x 3	–	204	434	604	638	681
3/8 x 4	–	243	582	800	843	910
3/8 x 6	–	378	920	1287	1352	1440
3/8 x 8	–	520	1308	1826	1922	2047
3/8 x 10	–	666	1733	2419	2545	2710
–	10 x 75	222	475	658	692	741
–	10 x 100	266	635	887	930	994
–	10 x 150	412	994	1389	1458	1548
–	10 x 200	573	1400	1950	2052	2184
–	10 x 250	728	1850	2580	2709	2881
1/2 x 3	12 x 75	300	688	985	1040	1081
1/2 x 4	12 x 100	378	920	1287	1354	1449
1/2 x 6	12 x 150	581	1415	2021	2131	2226
1/2 x 8	12 x 200	765	1981	2822	2969	3104
1/2 x 10	12 x 250	1163	2773	3884	4090	4336
5/8 x 4	16 x 100	604	1517	2168	2281	2374
5/8 x 6	16 x 150	889	2281	3177	3343	3557
5/8 x 8	16 x 200	1202	3117	4452	4691	4870
3/4 x 4	–	833	2110	2980	3137	3304
3/4 x 6	–	1219	3162	4371	4604	4951
3/4 x 8	–	1669	4239	5993	6305	6641
–	20 x 100	910	2300	3250	3422	3596
–	20 x 150	1329	3443	4871	5127	5399
–	20 x 200	1814	4591	6496	6844	7196
1 x 6	25 x 150	2057	5253	7339	7724	8204
1 x 8	25 x 200	2795	7004	9785	10295	10949

M.O.Q. – For all sizes – 50 Nos. each

SQ : Square



MC 42 WEF 101114

**M35 HSS PARALLEL SHANK TWIST DRILLS JOBBER SERIES TYPE-N AND 135° POINT ANGLE AND SPLIT POINT
OTHER DETAILS AS PER IS:5101/BS328 (PART-1) 1986/DIN338 AT MC42 LEVEL WITH EFFECT FROM 10-11-2014**

SIZE			Price per 10 Nos. (Rs.)	SIZE			Price per 10 Nos. (Rs.)
mm	Inch	WG/LG		mm	Inch	WG/LG	
1			480	(4.30)		No.18	1209
1.1			480	(4.37)	11/64		1209
(1.19)	3/64		480	(4.39)		No.17	1209
1.2			480	4.40			1209
1.3			480	(4.50)		No.16	1586
1.4			480	4.50			1586
1.5			480	(4.57)		No.15	1586
(1.59)	1/16		480	4.60			1586
1.6			480	(4.62)		No.14	1586
1.7			504	4.70		No.13	1586
1.8			504	(4.76)	3/16		1586
1.9			504	(4.80)		No.12	1586
(1.98)	5/64		504	(4.85)		No.11	1724
2			504	4.90			1724
2.1			504	(4.92)		No.10	1724
2.2			504	(4.98)		No.9	1724
2.3			504	5.00			1724
(2.38)	3/32		504	(5.06)		No.8	1724
2.4			504	5.10			1724
2.5			504	(5.11)		No.7	1724
2.6			504	(5.16)	13/64		1724
2.7			504	(5.18)		No.6	1724
(2.78)	7/64		510	5.20			1724
2.8			510	(5.22)		No.5	1860
2.9			510	5.30			1861
3.00			572	(5.31)		No.4	1860
(3.05)		No.31	682	5.40			1861
3.10			682	(5.41)		No.3	1860
(3.17)	1/8		682	5.50			1860
3.20			704	(5.56)	7/32		1860
(3.26)		No.30	704	5.60			1861
3.30			704	(5.61)		No.2	2091
3.40			704	5.70			2092
(3.45)		No.29	704	(5.79)		No.1	2091
3.50			704	5.80			2092
(3.57)		No.28	704	5.90			2092
(3.57)	9/64		704	(5.94)	15/64	A	2091
3.60			998	(5.95)			2091
(3.66)		No.27	998	6.00			2091
3.70			998	(6.04)		B	2277
(3.73)		No.26	998	6.10			2277
(3.80)		No.25	998	(6.15)		C	2277
3.80			998	6.20			2277
(3.86)		No.24	998	(6.25)		D	2277
3.90			998	6.30			2278
(3.91)		No.23	998	(6.35)	1/4	E	2277
(3.97)	5/32		998	6.40			2278
(3.99)		No.22	998	6.50			2905
4.00			998	(6.53)		F	2905
(4.04)		No.21	1209	6.60			2906
(4.09)		No.20	1209	(6.63)		G	2905
4.10			1209	6.70			2906
4.20			1209	(6.75)	17/64		2905
(4.22)		No.19	1209	(6.75)		H	2905
4.30			1209	6.80			2905



MC 42 WEF 101114

**M35 HSS PARALLEL SHANK TWIST DRILLS JOBBER SERIES TYPE-N AND 135° POINT ANGLE AND SPLIT POINT
OTHER DETAILS AS PER IS:5101/BS328 (PART-1) 1986/DIN338 AT MC42 LEVEL WITH EFFECT FROM 10-11-2014**

SIZE			Price per 10 Nos. (Rs.)	SIZE			Price per 10 Nos. (Rs.)
mm	Inch	WG/LG		mm	Inch	WG/LG	
6.90			3182	(9.58)		V	6022
(6.90)		I	3180	9.60			6026
7.00			3180	9.70			6026
(7.03)		J	3180	9.80			6026
7.10			3182	(9.80)		W	6022
(7.14)			3180	9.90			6743
(7.14)	9/32	K	3180	(9.92)	25/64		6741
7.20			3180	10.00			6741
7.30			3358	(10.08)		X	6741
(7.37)		L	3357	(10.10)			6743
7.40			3358	10.20			6741
(7.49)		M	3357	(10.26)		Y	7304
7.50			3357	10.30			7307
(7.54)	19/64		3634	(10.32)	13/32		7304
7.60			3635	10.40			7307
(7.67)		N	3634	(10.49)		Z	7304
7.70			3635	10.50			7304
7.80			3634	10.60			7307
7.90			3635	10.70			7738
(7.94)	5/16		3989	(10.72)	27/64		7734
8.00			3989	10.80			7734
(8.03)		O	3989	10.90			7738
8.10			3992	11.00			7734
(8.20)		P	3989	11.10			8637
8.20			3992	(11.11)	7/16		8633
8.30			4836	11.20			8637
(8.33)	21/64		4834	11.30			8637
8.40			4836	11.40			8637
(8.43)		Q	4834	11.50			9105
8.50			4834	(11.51)	29/64		9105
8.60			4836	11.60			9109
(8.61)		R	4834	11.70			9109
8.70			4836	11.80			9109
(8.73)	11/32		5092	11.90			9729
8.80			5092	(11.91)	15/32		9724
(8.84)		S	5092	12.00			9724
8.90			5095	12.10			9729
9.00			5092	12.20			9729
(9.09)		T	5313	12.30			10319
9.10			5315	(12.30)	31/64		10314
(9.13)	23/64		5313	12.40			10319
9.20			5313	12.50			10314
9.30			5315	12.60			10319
(9.34)		U	5313	(12.70)	1/2		10891
9.40			5315	12.80			10891
9.50			5313	12.90			10897
(9.52)	3/8		6022	13.00			10891

**M.O.Q. FOR SIZES : 1.0 mm to 6.4 (1/4") : 200 Nos.
6.5 mm (17/64") to 10 mm (25/64") : 100 Nos. Each
Above 10 mm (25/64") : 50 Nos. Each**

SIZES : Below 3 mm our supplies will be without split point



MC 42 WEF 101114

HSS PARALLEL SHANK END MILLS

**IS - 6353-1991
BS 122 – PART I – 1953**

SIZE		Price Each		SIZE		Price Each	
mm	Inch	M42 CC	M42 CCTC	mm	Inch	M42 CC	M42 CCTC
3		1136	1336	31		8600	10121
(3.17)	1/8	1136	1336	(31.75)	1.1/4	8600	10121
(3.97)	5/32	1136	1336	32		8600	10121
4		1136	1336	33		8600	10121
(4.76)	3/16	1136	1336	34		8600	10121
5		1136	1336	(34.92)	1.3/8	8600	10121
(5.56)	7/32	1136	1336	35		8600	10121
6		1136	1336	36		8600	10121
(6.35)	1/4	1136	1336	37		9270	10900
7		1282	1505	38		9878	11620
(7.14)	9/32	1282	1505	(38.10)	1.1/2	9878	11619
(7.94)	5/16	1282	1505	39		10276	12092
8		1282	1505	40		10921	12847
9		1282	1505	41		13927	16386
(9.52)	3/8	1282	1505	(41.27)	1.5/8	13927	16386
10		1282	1505	42		13927	16386
11		1480	1741	43		13927	16386
(11.11)	7/16	1480	1741	44	-	-	-
12		1526	1797	(44.45)	1.3/4	13927	16386
(12.70)	1/2	1526	1797	45		13927	16386
13		1885	2219	46		15358	18066
14		1885	2219	47		15358	18066
(14.29)	9/16	1885	2219	(47.62)	1.7/8	15358	18066
15		2204	2588	48		15358	18066
(15.87)	5/8	2204	2588	49		15358	18067
16		2204	2588	50		16850	19821
17		2686	3157	(50.8)	2	16812	19778
(17.46)	11/16	2686	3157	51		14038	16517
18		2686	3157	52		30575	35971
19		2686	3157	(52.39)	2-1/16	36688	43165
(19.05)	3/4	2686	3157	53		30575	35971
20		2975	3500	(53.97)	2-1/8	36688	43165
(20.64)	13/16	3369	3969	54		30575	35971
21		3369	3970	55		30575	35971
22		3369	3970	(55.56)	2-3/16	36688	43165
(22.22)	7/8	3369	3969	56		30575	35971
23		3648	4294	57		30575	35971
(23.81)	15/16	3926	4617	(57.15)	2-1/4	36688	43165
24		3926	4617	58		30575	35971
25		3926	4617	(58.74)	2-5/16	36688	43165
(25.40)	1	3926	4617	59		30575	35971
26		3963	4664	60		30575	35971
27		5442	6405	(60.32)	2-3/8	36688	43165
28		5442	6405	61		35008	41188
(28.57)	1-1/8	5442	6405	62		35008	41188
29		5442	6405	63		35008	41188
30		5987	7042	(63.50)	2-1/2	42009	49425

CC – With Centre Cutting

CCTC – With Centre Cutting and TIN Coating.

M.O.Q. FOR SIZES : Upto 25mm & 1" – 15 Nos each

Above 25.0mm & 1" to Upto 50 mm & 2" – 10 Nos. Each

Above 50mm & 2" – 5 Nos Each.



MC 42 WEF 101114

**HSS PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

SIZE		Price Each			
mm	Inch	M42	M42 TC	M42CC	M42CCTC
(9.52)	3/8	2543	2996	2799	2966
10		2543	2996	2799	3293
11		2729	3212	3000	3531
(11.11)	7/16	3152	3703	3463	3670
12		2802	3295	3082	3625
(12.70)	1/2	3152	3703	3463	3670
13		3330	3916	3658	4305
14		3330	3916	3658	4305
(14.29)	9/16	3330	3916	3658	4096
15		4115	4846	4528	5324
(15.87)	5/8	4115	4846	4528	5071
16		4115	4846	4528	5324
17		4814	5660	5297	6225
(17.46)	11/16	4814	5661	5297	5932
18		4814	5661	5297	6225
19		4814	5661	5297	6225
(19.05)	3/4	4814	5661	5297	5932
20		4814	5661	5297	6225
(20.64)	13/16	5218	6136	5741	6430
21		5218	6136	5741	6753
22		5218	6136	5741	6753
(22.22)	7/8	5218	6136	5741	6430
23		5733	6742	6304	7416
(23.81)	15/16	5733	6742	6304	7060
24		5733	6742	6304	7416
25		5733	6742	6304	7416
(25.40)	1	5733	6742	6304	7060
26		6155	7239	6583	7746
27		8423	9909	9008	10604
28		8423	9909	9008	10604
(28.57)	1.1/8	8423	9909	9008	10090
29		8423	9909	9008	10604
30		8423	9909	9008	10604
31		11557	13592	12362	14545
(31.75)	1.1/4	12107	14242	12954	14508
32		11557	13592	12362	14545
33		11557	13592	12362	14545
34		11557	13592	12362	14545
(34.92)	1.3/8	12107	14242	12954	14508
35		11557	13592	12362	14545
36		11557	13592	12362	14545
37		14580	17150	15598	18349
38		14580	17150	15598	18349
(38.10)	1.1/2	14580	17150	15598	17471
39		14580	17150	15308	18009



MC 42 WEF 101114

**HSS PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

SIZE		Price Each			
mm	Inch	M42	M42 TC	M42CC	M42CCTC
40		14580	17150	15308	18009
41		18127	21326	19032	22393
(41.27)	1.5/8	18127	21326	19032	21315
42		18127	21326	19032	22393
43		18127	21326	19032	22393
44		18127	21326	19032	22393
(44.45)	1.3/4	18127	21326	19032	21315
45		18127	21326	19032	22393
46		21596	25408	22675	26675
47		21596	25408	22675	26675
(47.62)	1.7/8	21596	25408	22675	25395
48		21596	25408	22675	26675
49		21596	25408	22675	26675
50		21596	25408	22675	26675
(50.08)	2	21596	25408	22675	25395
51		21596	25408	22675	26675
52		41903	49301	43998	51762
(52.39)	2.1/16	41903	49299	43999	49280
53		41903	49301	43998	51762
(53.97)	2.1/8	41903	49299	43999	49280
54		41903	49301	43998	51762
55		41903	49301	43998	51762
(55.56)	2.3/16	41903	49299	43999	49280
56		41903	49301	43998	51762
57		41903	49301	43998	51762
(57.15)	2.1/4	41903	49299	43999	49280
58		41903	49301	43998	51762
(58.74)	2.5/16	41903	49299	43999	49280
59		41903	49301	43998	51762
60		41903	49301	43998	51762
(60.32)	2.3/8	48938	57578	51388	57555
61		48938	57578	51388	60454
62		48938	57578	51388	60454
63		48938	57578	51388	60454
63.50	2-1/2	48938	57578	51388	57555

**MOQ : UPTO 1/2" 50 NOS EACH
ABOVE 1/2" TO 5/8" 35 NOS EACH
ABOVE 5/8" TO 1" 25 NOS EACH
ABOVE 1" 5 NOS EACH**



MC 42 WEF 101114

**HSS PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

SIZE		Price Each				
mm	Inch	M2	M35	M2 LS	M35 LS	M42 LS
(9.52)	3/8	2262	2400	–	–	–
10		2262	2405	3135	3321	3873
11		2262	2507	3135	3418	3986
(11.11)	7/16	2262	2400			
12		2321	2562	3312	3598	4193
(12.70)	1/2	2321	2460			
13		2615	3028			
14		2735	3028	3845	4701	5175
(14.29)	9/16	2735	3062			
15		3423	3766			
(15.87)	5/8	3423	3833			
16		3423	3766	4672	5094	6276
17		3246	3845			
(17.46)	11/16	3332	3731			
18		3423	3845	4857	5370	6617
19		3420	3845			
(19.05)	3/4	3420	3830			
20		3880	4686	5669	6758	8328
(20.64)	13/16	3880	4346			
21		4087	4686			
22		4143	4686	6007	6758	8328
(22.22)	7/8	4143	4641			
23		4311	5112			
(23.81)	15/16	4311	4829			
24		4311	5112			
25		4492	5112	6731	7596	9359
(25.40)	1	4492	5830			
26		4867	5515			
27		5335	6724			
28		5834	6724	8341	9589	11814
(28.57)	1.1/8	5834	6531			
29		5834	6724			
30		6485	7887			
31		6813	7887			
(31.75)	1.1/4	6813	7348			
32		6813	7887			
33		7830	9577			
34		8294	9577			
(34.92)	1.3/8	8294	9289			
35		8294	9577			
36		8765	11475			
37		9435	11475			
38		9863	11475			
(38.10)	1.1/2	9219	10326			
39		10522	12789			



MC 42 WEF 101114

**HSS PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

SIZE		Price each (Rs.)				
mm	Inch	M2	M35	M2 LS	M35 LS	M42 LS
40		10984	12789	-	-	-
41		10984	14626	-	-	-
(41.27)	1.5/8	10984	12278	-	-	-
42		12565	14626	-	-	-
43		12565	14626	-	-	-
44		13528	15845	-	-	-
(44.45)	1.3/4	13528	15152	-	-	-
45		13528	15845	-	-	-
46		13528	17561	-	-	-
47		15007	17561	-	-	-
(47.62)	1.7/8	15007	16809	-	-	-
48		15007	17561	-	-	-
49		15007	18832	-	-	-
50		16023	18832	-	-	-
(50.08)	2	16023	17948	-	-	-
51		16023	18832	-	-	-
52		18903	31686	-	-	-
(52.39)	2.1/16	18903	21173	-	-	-
53		18903	31686	-	-	-
(53.97)	2.1/8	21409	23977	-	-	-
54		21409	31686	-	-	-
55		24753	31686	-	-	-
(55.56)	2.3/16	24753	27723	-	-	-
56		24753	31686	-	-	-
57		26369	31686	-	-	-
(57.15)	2.1/4	26369	29537	-	-	-
58		28115	37087	-	-	-
(58.74)	2.5/16	28115	31488	-	-	-
59		28115	37087	-	-	-
60		29773	37087	-	-	-
(60.32)	2.3/8	29773	33343	-	-	-
61		29773	37087	-	-	-
62		30230	37087	-	-	-
63		30733	37087	-	-	-
(63.50)	2-1/2	30733	34422	-	-	-

**MOQ : UPTO 12MM 50 NOS EACH
 ABOVE 12MM TO 16 MM 35 NOS EACH
 ABOVE 16MM TO 25MM 25 NOS EACH
 ABOVE 25MM 5 NOS EACH**



MC 42 WEF 101114

**CARBIDE TIPPED STRAIGHT SHANK TWIST DRILLS
CARBIDE TIPPED TAPER SHANK TWIST DRILLS**

**IS.8307-1976 – GRADE OF TIP ISO/K-20
IS.8306-1976 – GRADE OF TIP ISO/K-20**

SIZE		Price Each (Rs.)		SIZE		Price Each (Rs.)	
mm	Inch	Straight Shank Drill	Taper Shank Drill	mm	Inch	Straight Shank Drill	Taper Shank Drill
3.0		590	–		17/32	1485	2423
	1/8	590	–	14.0		1485	2423
3.5		609	–		9/16	1485	2423
	9/64	609	–	15.0		1663	2573
	5/32	611	–		19/32	1663	2573
4.0		611	–		5/8	1915	2784
	11/64	611	–	16.0		1915	2784
4.5		611	–		21/32	2013	2995
	3/16	668	–	17.0		2013	2995
5.0		668	–		11/16	2013	2995
	13/64	668	–	18.0		2216	3256
5.5		676	–		23/32	2216	3256
	7/32	676	–	19.0		2528	3481
	15/64	711	–		3/4	2528	4005
6.0		711	–		25/32	2866	4005
	1/4	723	–	20.0		2866	4005
6.5		723	–		13/16	–	4147
	17/64	736	–	21.0		–	4147
7.0		783	–		27/32	–	4147
	9/32	783	–	22.0		–	4345
7.5		802	–		7/8	–	4345
	19/64	802	–	23.0		–	4588
	5/16	802	–		29/32	–	4588
8.0		802	–		15/16	–	4815
	21/64	828	–	24.0		–	4815
8.5		828	–		31/32	–	4991
	11/32	855	–	25.0		–	4991
9		855	–		1	–	6133
	23/64	913	–	26.0		–	6133
9.5		913	–		1.1/32	–	6133
	3/8	918	1594		1.1/16	–	6333
	25/64	918	1594	27.0		–	6333
10.0		918	1594		1.3/32	–	6668
	13/32	995	1783	28.0		–	6668
10.5		995	1783		1.1/8	–	6918
	27/64	1009	1783	29.0		–	6918
11.0		1009	1783		1.5/32	–	6918
	7/16	1046	1949	30.0		–	7121
11.5		1046	1949		1.3/16	–	7121
	29/64	1046	1949				
	15/32	1129	1949				
12.0		1129	1949				
	31/64	1254	2117				
	1/2	1254	2117				
13.0		1254	2117				

M.O.Q. FOR SIZES : Upto 13.0 mm (1/2") : 25 Nos. Each
 14 mm (17/32") to 25 mm (1") : 20 Nos. Each
 26 mm (1-1/32") & Above : 15 Nos. Each

For Carbide Tipped Taper Shank Twist Drill to Addison standard sizes 3.0 mm to 9.5 mm and 31.0 to 50.0 mm (Equivalent inch sizes) please refer Page No. 68



MC 42 WEF 101114

CARBIDE TIPPED TAPER SHANK CORE DRILLS

**IS 9771 - 1981
GRADE OF TIP : ISO/K - 20**

SIZE		Price Each	SIZE		Price Each	SIZE		Price Each
mm	Inch	(Rs.)	mm	Inch	(Rs.)	mm	Inch	(Rs.)
12.0		4074	19.0		5308	26.0	1	5836
	1/2	4074		3/4	5308			5836
13.0		4074		25/32	5528	27.0	1.1/32	5836
	17/32	4251	20.0		5528			5836
14.0		4588		13/16	5528		1.1/16	5836
	9/16	4588	21.0		5528		1.3/32	5983
15.0		4588		27/32	5528	28.0		5983
	19/32	4588	22.0		5528		1.1/8	6068
	5/8	4747		7/8	5528		1.5/32	6068
16.0		4747	23.0		5528	30.0		6068
	21/32	4747		29/32	5528		1.3/16	6068
17.0		4747		15/16	5836		1.7/32	6245
	11/16	4747	24.0		5836		1.1/4	6245
18.0		5308		31/32	5836	32.0		6245
	23/32	5308	25.0		5836			6245

M.O.Q. : For sizes : Upto 45 mm (1-3/4") - 10 Nos. each
46 mm (1-13/16") to 52 mm (2-1/8") - 7 Nos. each
56 mm (2-1/4") & Above - 4 Nos. each

CARBIDE TIPPED SHELL CORE DRILLS

**DIN 8022-1971
GRADE OF TIP ISO K-20**

SIZE		Price Each	SIZE		Price Each	SIZE		Price Each
mm	Inch	(Rs.)	mm	Inch	(Rs.)	mm	Inch	(Rs.)
	1.1/4	5355	45.0		5738		2.3/4	8106
32.0		5355	46.0		5983	71.0		8610
33.0		5355		1-13/16	5983		2.7/8	8610
	1.5/16	5355	47.0		5983	76.0		8867
34.0		5355		1.7/8	5983		3	8867
	1.3/8	5355	48.0		5983	77.0		8867
35.0		5355	49.0		5983	78.0		8867
36.0		5466		1-15/16	5983		3.1/8	8867
	1.7/16	5466	50.0		5983		3.1/4	8867
37.0		5466		2	6245		3.3/8	9096
38.0		5528	51.0		6245	86.0		9096
	1.1/2	5528	52.0		6245	87.0		9096
39.0		5528		2.1/8	6245		3.1/2	9096
	1.9/16	5528	56.0		6523	91.0		9613
40.0		5528	57.0		6523	92.0		9613
41.0		5738		2.1/4	6523		3.5/8	9613
	1.5/8	5738		2.3/8	6523	93.0		9613
42.0		5738	61.0		8106	94.0		9613
	1.11/16	5738		2.1/2	8106		3.3/4	9613
43.0		5738	66.0		8106		3.7/8	9613
44.0		5738		2.5/8	8106		4	9613
	1.3/4	5738	67.0		8106			9613

M.O.Q. : FOR SIZES : Upto 25.0 mm (1") - 20 Nos. each
Above 25.0 mm (1") - 15 Nos. each



MC 42 WEF 101114

CARBIDE TIPPED STRAIGHT SHANK CHUCKING REAMERS

**IS : 10884 - 1984
GRADE OF TIP : ISO K - 10**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch	
6.0		3120		3/8	3345
	1/4	3120	10.0		3345
7.0		3120		13/32	3345
	9/32	3120	11.0		3345
	5/16	2906		7/16	3345
8.0		2906		15/32	3685
	11/32	2906	12.0		3685
9.0		2906		1/2	3685

M.O.Q. - For all sizes - 20 Nos. each

CARBIDE TIPPED TAPER SHANK CHUCKING REAMERS

**IS : 10885 - 1984
GRADE OF TIP ISO K - 10**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch		mm	Inch	
6.0		3120	15.0		3868			6275
	1/4	3120		19/32	4388	24.0		6275
7.0		3120		5/8	4388			6275
	9/32	3120	16.0		4388	25.0		6275
	5/16	2906		21/32	4388		1	6275
8.0		2906	17.0		4388	26.0		6275
	11/32	2906		11/16	4388			6393
9.0		2906	18.0		4388	27.0		6393
	3/8	3345		23/32	4388			6393
10.0		3345	19.0		4388	28.0		6393
	13/32	3345		3/4	4388			6393
11.0		3345		25/32	4388	29.0		6393
	7/16	3345	20.0		4388			6446
	15/32	3685		13/16	4388	30.0		6446
12.0		3685	21.0		4883			6446
	1/2	3685		27/32	4883			6446
13.0		3685	22.0		4883	31.0		6446
	17/32	3868		7/8	4883			6446
14.0		3868	23.0		4883	32.0		6446
	9/16	3868		29/32	4951			6446

**M.O.Q. : For sizes : (Except 8, 10, 16 mm, 1/2", 17/32" & 9/16")
Upto 13 mm (1/2") - 20 Nos. each
Above 14 mm (17/32") - 10 Nos. each**



MC 42 WEF 101114

**CARBIDE TIPPED SHELL REAMERS
(BRAZED TYPE)**

**IS : 11934 – 1987
GRADE OF TIP ISO K – 10**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch		mm	Inch	
19.0		5308		1.3/16	8065	42.0		9920
	3/4	5308		1.1/4	8065		1.11/16	9920
	13/16	5799	32.0		8065	43.0		9920
21.0		5799	33.0		8065	44.0		9920
22.0		5799		1.5/16	8088		1.3/4	9920
	7/8	5799		1.3/8	8445		1-13/16	9920
	15/16	5836	35.0		8445	47.0		10318
24.0		5836	36.0		8445		1.7/8	10318
25.0		6783		1.7/16	8445	48.0		10318
	1	6783	38.0		8516	49.0		10318
	1.1/16	6820		1.1/2	8516		1-15/16	10318
27.0		6820	39.0		8516	50.0		10318
	1.1/8	8065		1.9/16	8516		2	10318
29.0		8065	41.0		9920			
30.0		8065		1.5/8	9920			

M.O.Q. – For all sizes – 3 Nos. each

**CARBIDE TIPPED STRAIGHT SHANK END MILLS
(BRAZED TYPE)**

**IS : 9323 – 1991
GRADE OF TIP ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch		mm	Inch	
	5/16	2317	12.0		2471		3/4	3047
8.0		2317		1/2	2471	20.0		3947
	3/8	2323		5/8	2613			
10.0		2323	16.0		2613			

**M.O.Q. For sizes: Upto 12 mm (1/2") – 25 Nos. each
16 mm (5/8") & above – 20 Nos. each**

**We can manufacture and supply Solid Carbide Parallel Shank End Mills. 3 mm to 7 mm (3/16" to 9/32").
For Price and M.O.Q. refer Solid Carbide Price List No. SC 36.**

CARBIDE TIPPED TAPER SHANK END MILLS

**IS : 9324 – 1991
GRADE OF TIP ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch		mm	Inch	
12.0		3047		3/4	3553		1-1/4	5836
	1/2	3047	20.0		3553	32.0		5836
	5/8	3173	25.0		3623		1-1/2	7057
16.0		3173		1	3623	40.0		7057

**M.O.Q. For sizes: 12 mm (1/2") – 25 Nos. each
16 mm (5/8") to 25 mm (1") – 20 Nos. each
32 mm (1-1/4") & above – 15 Nos. each**



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**CARBIDE TIPPED STRAIGHT SHANK SLOT DRILLS
(BRAZED TYPE)**

**IS : 9325 – 1979
GRADE OF TIP ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch		mm	Inch	
8.0	5/16	1949	12.0	1/2	2160	16.0	11/16	2995
	3/8	1949	14.0		2160	18.0		3030
10.0	7/16	2006		9/16	2516	20.0	3/4	3030
		2006	2516		3076			
		2160	5/8	2995			3076	

Tip dimensions will be based on DIN. Type A will be supplied as Standard.

**M.O.Q. For sizes: 8 mm (5/16") to 10 mm (3/8") – 70 Nos. each
12 mm (7/16") to 14 mm (9/16") – 100 Nos. each
16 mm (5/8") & above – 60 Nos. each**

**We can manufacture and supply Solid Carbide Parallel Shank Slot Drills. 2 mm to 7 mm (3/16" to 9/32").
For Price and M.O.Q. refer Solid Carbide Price List No. SC 36.**

**CARBIDE TIPPED TAPER SHANK SLOT MILLING CUTTERS
(WITH TAPPED END)**

**IS : 9326 – 1979
GRADE OF TIP : ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
mm	Inch		mm	Inch		mm	Inch	
12.0	1/2	3330	18.0	11/16	4230	25.0	1	4510
14.0		3330		4230	28.0	4510		
16.0	9/16	3666	20.0	3/4	4287	32.0	1-1/8	4546
	5/8	3666		22.0	4287		1-1/4	4546
		4197		7/8	4510			4546
		4197			4510			4546

**M.O.Q. For sizes: Upto 14 mm (9/16") – 100 Nos. each; 22 mm (7/8") To 25 mm (1") – 20 Nos. each
16 mm (5/8") – 70 Nos. each; 28 mm (1-1/8") & above – 15 Nos. each
18 mm (11/16") to 20 mm (3/4") – 50 Nos. each**

**CARBIDE TIPPED SIDE & FACE CUTTERS
(BRAZED TYPE)**

**DIN : 8047 – 1956
GRADE OF TIP : ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
Dia X Width mm	Dia X Width Inch		Dia X Width mm	Dia X Width Inch	
80 X 6.0	3 X 1/4	7605	100 X 12	4 X 1/2	9553
80 X 8.0	3 X 5/16	7875	100 X 16	4 X 5/8	10295
80 X 10	3 X 3/8	8073	125 X 12	5 X 1/2	10740
100 X 8.0	4 X 5/16	8790	125 X 14	5 X 9/16	11583
100 X 10	4 X 3/8	9080	125 X 16	5 X 5/8	11950

**CARBIDE TIPPED SHELL END MILLS
(BRAZED TYPE)**

**DIN : 8056 – 1980
GRADE OF TIP : ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
Dia X Width mm	Dia X Width Inch		Dia X Width mm	Dia X Width Inch	
40.0	1-1/2	3002	80.0	3	6205
		3002			6205
50.0	2	3100	100	4	9577
63.0		3100			8577
		2-1/2	4601	125	5
		4601	12361		

M.O.Q. For sizes: Upto 50 mm (2") – 6 Nos. each; 63 mm (2-1/2") & above – 3 Nos. each

**CARBIDE TIPPED FACE MILL CUTTERS
(BRAZED TYPE)**

**TO OUR STANDARD
GRADE OF TIP : ISO K – 20**

SIZE		Price Each (Rs.)	SIZE		Price Each (Rs.)
Dia X Width mm	Dia X Width Inch		Dia X Width mm	Dia X Width Inch	
63.0	2-1/2	4510	80	4	6051
		4510	100		9339
		6051			9339

M.O.Q. – For all sizes – 3 Nos. each



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CARBIDE TIPPED TAPER SHANK DRILLS WITH ISO/K20 GRADE OF TIP

TO ADDISON STANDARD

SIZE						
Dia (mm)	Dia (Inch)	FL (mm)	OAL (mm)	MT No.	MOQ Nos.	Price Each
3		20	110	1	25	1594
	1/8	25	115	1	25	1594
3.5	9/64	25	115	1	25	1594
4	5/32	25	115	1	25	1594
4.5	11/64	28	118	1	25	1594
5	3/16	28	118	1	25	1594
5.5	13/64	32	122	1	25	1594
	7/32	32	122	1	25	1594
6	15/64	32	122	1	25	1594
	1/4	32	122	1	25	1594
6.5		32	122	1	25	1594
	17/64	40	130	1	25	1594
	9/32	40	130	1	25	1594
7.5	19/64	40	130	1	25	1594
8	5/16	40	130	1	25	1594
8.5	21/64	50	140	1	25	1594
9	11/32	50	140	1	25	1594
	23/64	50	140	1	25	1594
9.5	3/8	50	140	1	25	1594
	25/64	50	140	1	25	1594
31	1.7/32	125	275	4	15	7748
32	1.1/4	125	275	4	15	8079
33		125	275	4	15	8445
34	1.5/16	125	275	4	15	8739
35	1.3/8	125	275	4	15	8988
36		125	275	4	15	9284
37	1.7/16	125	275	4	15	8947
38	1.1/2	125	275	4	15	9870
39		125	275	4	10	10055
40	1.9/16	125	275	4	10	10263
41		125	275	4	10	10495
42	1.5/8	125	275	4	10	10792
43	1.11/16	125	275	4	10	11092
44		125	275	4	10	11381
45	1.3/4	125	275	4	10	11665
46	1.13/16	125	275	4	10	12016
47		125	275	4	10	12016
48	1.7/8	125	275	4	10	12193
49	1.15/16	125	275	4	10	12406
50		125	275	4	10	12611
	2	125	275	4	10	12831