

<b>CONTENTS</b>	<b>PAGE NO.</b>
ALL TYPES HAND TAPS, MACHINE TAPS, NUT TAPS	1-2
ALL TYPES HAND TAPS, MACHINE TAPS, NUT TAPS	1-2
TAPER SHANK DRILLS -INCH & MM	3-6
PARALLEL SH.TWIST DRILLS (JOBBER SERIES) INCH, MM	7-9
PARALLEL SH.TWIST DRILLS (STUB SERIES) INCH, MM	10
PARALLEL SH.TWIST DRILLS (LONG SERIES) INCH, MM	11
TAPER SHANK LONG SERIES DRILLS - INCH, MM	12
PARALLEL SHANK EXTRA LONG DRILLS - INCH, MM	13
TAPER SHANK EXTRA LONG DRILLS -INCH, MM	14-15
HAND / MACHINE. REAMER -INCH, MM	16
TAPER SHANK EXTRA LONG MACHINE REAMER	16
PARALLEL SHANK / TAPER SHANK ENDMILL (4 FL.) MM	17
PARALLEL SHANK END MILL LONG SERIES	17
PARALLEL SHANK / TAPER SHANK ENDMILL (4 FL.) INCH	18
PARALLEL SHANK / TAPER SHANK SLOT DRILL (2 FL) INCH, MM	18
SHANK DIA DETIALS OF ADDISON ST.SH.ENDMILL	19
SIDE & FACE CUTTER - INCH, MM	19
PARALLEL SHANK ROUGHUING ENDMILL	20
HAND / MACHINE TAPER PIN REAMER - INCH, MM	20
WOODRUFF CUTTER - INCH, MM	20
T SLOT CUTTER TAPER SHANK -INCH, MM	20
TAPER SHANK COUNTER BORE -INCH, MM	21
CARBIDE TIP PARALLEL & TAPER DRILLS INCH, MM	21
CONVEX CUTTER - MM	22
SHELL ENDMILL - INCH, MM	22
CONVEX & CONCAVE CUTTER -INCH	23
CENTRE DRILLS - INCH, MM	23
CENTRE REAMER- 60* & 90*	23
COUNTER SINK - 60* & 90*	23
TAPER SHANK CORE DRILLS - INCH, MM	24
INVOLUTE GEAR CUTTER	24
CYLIINDRICAL CUTTER - INCH, MM	25
SINGLE ANGLE - INCH, MM	25
EQUAL ANGLE - INCH, MM	25
MICRO GRAIN SOLID CARBIDE DRILLS & ENDMILL	26-28
SQUARE TOOL BITS	29
EQUIVALENT CHART	30

# TRADE COMBINE

20<sup>th</sup>, Industrial House, 51/53, Nagdevi Cross Lane, Mumbai -400 003.

Tel No.: 022 2345 3999 / 2346 5999

## ADDISON PRICE LIST WEF 07/01/2013

H.S.S. GROUND THREAD HAND, MACHINE & NUT TAP

HSS HAND TAPE (BS 949 OF 1979)					(IS : 6175 – 1992 ) HNAD TAPS				MACHINE TAP (IS: 6175)		NUT
BSW, BSF, UNF, UNC, THREADS , BSP - THREADS					METRIC		COARSE				IS: 6175
SIZE INCH SERIES	PRIC E EACH I, II,	SET OF 3PCS	BSP SERIES SET OF 2 PCS	NUT TAPS PRICE EACH	Series mm	STD Pitch	Eac I,II,III	Set Of 3Pes	Type A&C Each	Type B Each	Taps Price Each
1/8 5/32"	314	942	988		2.5	0.45	505	1515			
3/16"	314	942			3	0.5	303	909	431		
1/4"	322	966	1538	679	4	0.7	303	909	431		
5/16"	372	1116		770	5	0.8	314	942	468	547	
3/8"	444	1332	2260	944	6	1	322	966	504	593	679
7/16"	572	1716		1266	7	1	410	1230	544		770
1/2"	721	2163	3300	1575	8	1.25	372	1116	544	648	770
9/16"	1047	3141		2189	9	1.25	452	1356			
5/8"	1047	3141	3742	2189	10	1.5	467	1401	680	800	1027
11/16"	1587	4761		2822	11	1.5	714	2142			
3/4"	1587	4761	5254	3347	12	1.75	713	2139	960	1136	1575
13/16"	1872	5616			14	2	1035	3105	1390	1637	2189
7/8"	2153	6459	6526	4529	16	2	1035	3105	1390	1637	2189
1"	2770	8310	8296	5901	18	2.5	1561	4683	2022	2389	3347
1.1/8"	3757	11271	12454	7959	20	2.5	2051	6153	2508	2935	4465
1.1/4"	4527	13581	12454	9842	22	2.5	2130	6390	2781	3276	4529
1.3/8"	5841	17523		11826	24	3	2393	7179	3106	3659	5145
1.1/2"	7007	21021	15520	14188	25	3	3000	9000			6150
1.5/8"	8213	24639			27	3	3701	11103	4774	5637	7901
1.3/4"	9608	28824	23812	19950	30	3.5	4134	12402	5255	6204	9758
2"	13773	41319	27874	28175	33	3.5	5046	15138	6157	7453	10771
2.1/4"	20583	61749	48208		36	4	7007	21021	8050		13936
2.1/2"	27014	81042	69084		39	4	8227	24681	9698		16626
2.3/4"	33712	101136	77642		42	4.5	9605	28815	11074		19797
3"	45241	135723	87526		45	4.5	12915	38745	14846		23873
3.1/2"			115008		48	5	13773	41319	16694		27929
4"			144718		52	5	17289	51867	19327		
					56	5.5	24594	73782	24862		
					60	5.5	25931	77793	29348		
					64	6	27279	81837	33115		

<b>SIZE</b>	<b>1/8 1/4</b>	<b>3/8</b>	<b>1/2</b>	<b>3/4</b>	<b>1</b>	<b>1.1/4</b>	<b>1.1/2</b>	<b>2</b>		
BSPT	1250	2254	3018	4384	6976	10844	15520	19244	34736	Set of 2 Pes
NPT	1302	2368	3150	4580	7282	11370	16264	20142	36384	Set of 2 Pes

Specialist In : INVOLUTE GEAR CUTTERS & ROTARY FORM CUTTERS

Dia	Pitch	Hand Price Each I & III	Taps Price Set of 2 pcs	Machine Taps Type A &C Each IS-7821	Nuts Taps IS 6174
6	0.75	432	864	575	749
7	0.75	503	1006	652	968
8	0.75	497	994	621	878
8	1	452	904	621	878
9	0.75	552	1104	854	
9	1	552	1104	854	878
10	0.75	625	1250		
10	1	525	1050	717	1157
10	1.25	525	1050	763	1157
11	1	874	1748	1111	
12	1	833	1666	930	1817
12	1.25	833	1666	1035	1817
12	1.5	833	1666	1035	1817
14	1	1072	2144	1402	2708
14	1.25	1101	2202	1390	2708
14	1.5	1035	2070	1390	2708
15	1	1260	2520	1490	
15	1.5	1072	2144	1390	
16	1	1072	2144	1490	2708
16	1.5	1035	2070	1390	2708
18	1	1943	3886	2428	3830
18	1.5	1813	3626	2327	3830
18	2	1813	3626	2327	3830
20	1	2405	4810	3032	
20	1.5	2251	4502	3032	4909
20	2	2251	4502	3032	4909
22	1	2722	5444	3032	
22	1.5	2447	4894	3032	5211
22	2	2447	4894	3032	5211
24	1	2770	5540	3513	
24	1.5	2770	5540	3513	6197
24	2	2770	5540	3513	6197
25	1.5	3062	6124	4573	6967
25	2	3062	6124	4573	
26	1.5	3078	6156	4513	
26	2	3078	6156	4513	
27	1.5	4111	8222	5398	8783
27	2	4111	8222	5398	
28	1.5	4111	8222	5832	10937

Dia	Pitch	Hand Price Each I & III	Taps Price Set of 2 pes	Machine Taps Type A &C Each IS-7821	Nuts Taps IS 6174
28	2	4111	8222	5832	
30	1	4638	9276	6248	
30	1.5	4638	9276	6073	10937
30	2	4638	9276	6073	10937
30	3	4638	9276	6073	
32	1.5	4880	9760	6713	
32	2	4880	9760	6713	
33	1.5	5653	11306	7347	12134
33	2	5653	11306	7347	12134
33	3	5653	11306	7347	
35	1.5	7836	15672	10210	
36	1.5	7836	15672	10210	
36	2	7836	15672	10210	
36	3	7836	15672	1 0210	
38	1.5	9786	19572		
39	1.5	9786	19572	12404	
39	2	9786	19572	12404	
39	3	9786	19572	12404	
40	1.5	9887	19774	13351	
40	2	10370	20740	13351	
40	3	10847	21694	13351	
42	1.5	10847	21694	14083	
42	2	10847	21694	14083	
42	3	10847	21694	14083	
42	4	10847	21694	14083	
45	1.5	15042	30084	19648	
45	2	15042	30084	19648	
45	3	15042	30084	19648	
45	4	15042	30084	19648	
48	1.5	15672	31344	20357	
48	2	15672	31344	20357	
48	3	15672	31344	20357	
48	4	15672	31344	20357	
50	1.5	17279	34558	23696	
50	2	17279	34558	23696	
50	3	17279	34558	23696	
52	1.5	19471	38942	25298	
52	2	19471	38942	25298	
52	3	19471	38942	25298	
52	4	19471	38942	25298	

HSS TAPER SHANK TWIST DRILLS (STANDARD)

ISS 5103 - 1969

BS 283 (P1658AR I) 1986

Size MM	INCH	F/L	O/L	Price Each Rs.
3.0		34	116	339
	1/8	37	119	339
3.20		37	119	355
3.50		40	122	339
3.57	9/64	40	122	355
3.80		44	126	355
4.00	5/32	44	126	339
4.20		44	126	457
4.50	11/64	48	131	457
4.76	3/16	53	136	457
4.80		53	136	470
5.00		53	136	457
5.20	13/64	53	136	470
5.50	7/32	58	141	457
5.80		58	141	470
5.95	15/64	58	141	470
6.00		58	141	457
6.20		64	147	527
6.35	1/4	64	147	521
6.50		64	147	568
6.80	17/64	70	153	575
7.00	9/32	70	153	568
7.22		70	153	575
7.50		70	153	568
7.80	19/64	77	153	575
8.00	5/16	77	159	568
8.20		77	159	694
8.33	21/64	77	159	730
8.50		77	159	633
8.73	11/32	83	165	694
8.88		83	165	762
9.00		83	165	694
9.13	23/64	83	165	762
9.20		83	165	762

Size MM	INCH	F/L	O/L	Price Each Rs.
9.5		83	165	694
9.52	3/8	89	171	694
9.8		89	171	818
9.92	25/64	89	171	818
10.0		89	171	740
10.2		89	171	832
10.32	13/32	89	171	804
10.50		89	171	986
1072	27/64	96	179	1022
10.80		96	179	1022
11.0		96	179	1022
11.11	7/16	96	179	1022
11.20		96	179	1056
11.50		96	179	1056
11.51	29.64	96	179	1056
11.80		96	179	1056
11.91	15/32	103	186	1056
12.00		103	186	1067
12.20		103	186	1067
12.30	31/64	103	186	1067
12.50		103	186	1067
12.70	1/2	103	186	1067
12.80		103	186	1483
13.00		103	186	1483
13.10	33/64	103	186	1548
13.20		103	186	1548
13.49	17/32	110	193	1548
13.50		110	193	1658
13.80		110	193	1658
13.89	35/64	110	193	1658
14.00		110	193	1658

Size MM	INCH	F/L	O/L	Price Each Rs.
14.25		116	216	1781
14.29	9/16	116	216	1781
14.50		116	216	1851
14.68	37/64	116	216	1851
14.75		116	216	1851
15.00		116	216	1851
15.08	19/32	122	222	1851
15.25		122	222	1877
15.48	39/64	122	222	1877
15.50		122	222	1877
15.75		128	222	1877
15.87	5/8	128	222	1877
16.00		128	222	1933
16.25		128	227	1933
16.27	41/64	128	227	1933
16.50		128	227	2053
16.67	21/32	128	227	2053
16.75		128	227	2053
17.00		128	227	5053
17.07	43/64	133	233	2087
17.25		133	233	2087
17.46	11/16	133	233	2087
17.50		133	233	2166
17.75		133	233	2197
17.86	45/64	133	233	2283
18.00		133	233	2283
18.25		138	238	2283
18.26	23/32	138	238	2283
18.50		138	238	2283
18.65	47/64	138	238	2310
18.75		138	238	2310

Taper Socket MT Drill Size

MT1-3mm to 14mm., MT2-14.25mm to 23mm, MT3-23-25mm to 31.75mm

MT4-32mm to 50.5mm, MT5-51mm To 796mm, MT6 – 77mm To 102mm

HSS TAPER SHANK TWIST DRILLS (STANDARD)

ISS 5103 - 1969

BS 283 (P1658AR I) 1986

Size MM	INCH	F/L	O/L	Price Each Rs.
19.0		138	238	2310
19.05	3/4	143	243	2310
19.25		143	243	2427
19.45	49/64	143	243	2427
19.50		143	243	2427
19.75		143	243	2427
19.84	25/32	143	243	2427
20.00		143	243	2609
20.24	51/64	148	248	2640
20.25		148	248	2640
20.50		148	248	2640
20.64	13/16	148	248	2640
20.75		148	248	2754
21.00		148	248	2754
21.03	53/64	148	248	2823
21.25		153	253	2823
21.43	27/32	153	253	2823
21.50		153	253	2910
21.75		153	253	2910
21.85	55/64	153	253	2963
22.00		153	253	2963
22.22	7/8	153	253	2963
22.25		153	258	3229
22.50		158	258	3229
22.62	57/64	158	258	3292
22.75		158	258	3292
23.00		158	258	3292
23.02	29/32	158	258	3452
23.25		158	282	3823
23.42	59/64	158	282	3919
23.50		158	282	3919
23.75		163	287	3919
23.81	15/16	163	287	3919
24.00		163	287	4035
24.21	61/64	163	287	4103

Size MM	INCH	F/L	O/L	Price Each Rs.
24.25		163	287	4103
24.50		163	287	4103
24.61	31/32	163	287	4103
24.75		163	287	4287
25.00		163	287	4287
25.00	63/64	168	292	4287
25.25		168	292	4344
25.40	1	168	292	4344
25.50		168	292	4722
25.75		168	292	4722
25.80	1.1/64	168	292	4773
26.00		168	292	4773
26.19	1.1/32	168	292	4773
26.25		168	292	5114
26.50		168	292	5114
26.59	1.3/64	173	297	5235
26.75		173	297	5232
26.99	1.1/16	173	297	5232
27.00		173	297	5403
27.25		173	297	5403
27.38	1.5/64	173	297	5421
27.50		173	297	5421
27.75		173	297	5421
27.78	1.3/32	173	297	5421
28.00		173	297	5927
28.18	1.7/64	179	302	5944
28.25		179	302	5944
28.50		179	302	5944
28.57	1.1/8	179	302	5944
28.75		179	302	6124
28.97	1.9/64	179	302	6224
29.00		179	302	6224
29.25		179	302	6224
29.37	1.5/32	179	302	6224
29.50		179	302	6248

Size MM	INCH	F/L	O/L	Price Each Rs.
29.75		179	302	6248
29.77	1.11/64	179	302	6378
30.00		179	302	6378
30.16	1.3/16	184	307	6736
30.25		184	307	7253
30.50		184	307	7253
30.56	1.13/64	184	307	7370
30.75		184	307	7370
30.96	1.7/32	184	307	7370
31.00		184	307	8202
31.25		184	307	8202
31.35	1.15/64	184	307	8560
31.50		184	307	8560
31.75	1.1/4	189	312	8560
31.75		189	312	8560
32.00		189	312	9372
32.15	1.17/64	189	341	9372
32.50		189	341	9372
32.54	1.9/32	189	341	9372
32.94	1.19/64	189	341	9596
33.00		189	341	9596
33.34	1.5/16	189	341	9596
33.50		189	341	9926
33.73	1.21/64	194	346	10112
34.00		194	346	10112
34.13	1.11/32	194	346	10541
34.50		194	346	11075
34.53	1.23/64	194	346	11177
34.92	1.3/8	194	346	11177
34.00		194	346	11177
35.32	1.25/64	194	346	11846
35.50		194	346	11846
35.72	1.13/32	199	351	11846
36.00		199	351	12020
36.12	1.27/64	199	351	12267

Taper Socket MT Drill Size

MT1-3mm to 14mm., MT2-14.25mm to 23mm, MT3-23-25mm to 31.75mm  
 MT4-32mm to 50.5mm, MT5-51mm To 796mm, MT6 – 77mm To 102mm

HSS TAPER SHANK TWIST DRILLS (STANDARD)

ISS 5103 - 1969

BS 283 (P1658AR I) 1986

Size MM	INCH	F/L	O/L	Price Each Rs.
36.50		199	351	12267
36.51	1.7/16	199	351	12267
36.91	1.29/64	199	351	12267
37.00		199	351	12570
37.31	1.15/32	199	351	12570
37.50		199	351	13386
37.70	1.31/64	204	356	13596
38.00		204	356	13596
38.10	1.1/2	204	356	13596
38.50	1.33/64	204	356	14020
38.50		204	356	14020
38.89	1.17/32	204	356	14020
39.00		204	356	14848
39.29	1.35/64	204	356	14848
39.50		204	356	14848
39.69	1.9/16	204	356	14848
40.00		204	356	15230
40.08	1.37/64	204	356	15481
40.48	1.19/32	209	361	15481
40.50		209	361	16100
40.88	1.39/64	209	361	16100
41.00		209	361	16100
41.27	1.5/8	209	361	16100
41.50		209	361	16732
41.67	1.41/64	209	361	16732
42.00		209	361	16732
42.07	1.21/32	209	361	16732
42.47	1.43/64	209	361	17160
42.50		209	361	17160
42.86	1.11/16	214	366	17370
43.00		214	366	17778
43.26	1.4/64	214	366	17778
43.50		214	366	17778
43.66	1.23/32	214	366	17778

Size MM	INCH	F/L	O/L	Price Each Rs.
44.00		214	366	18406
44.05	1.47/64	214	366	18406
44.45	1.3/4	214	366	18406
44.50		214	366	18406
44.85	1.49/64	214	366	18838
45.00		214	366	18838
45.24	1.25/32	219	371	18838
45.50		2219	371	19691
45.64	1.51/64	219	371	19691
46.00		219	371	19691
46.04	1.13/16	219	371	19691
46.43	1.63/64	219	371	20684
46.50		219	371	20684
46.83	1.27/32	219	371	20684
47.00		219	371	20684
47.23	1.55/64	219	371	21116
47.50		219	371	21116
47.62	1.7/8	224	376	21116
48.00		224	376	23026
48.02	1.57/64	224	376	23026
48.42	1.29/32	224	376	23026
48.50		224	376	23195
48.82	1.59/64	224	376	23195
49.00		224	376	23195
49.21	1.15/16	224	376	23195
49.50		224	376	23444
49.61	1.61/64	224	376	23444
50.00		224	376	23444
50.01	1.31/32	230	376	23629
50.40	1.63/64	230	376	24691
50.50		230	376	24691
50.80	2	230	376	24691
51.00		230	376	33523
51.50		230	376	33523

Size MM	INCH	F/L	O/L	Price Each Rs.
51.59	2.1/32	230	420	33523
52.0		230	420	33523
52.39	2.1/16	230	420	33523
52.50		230	420	43629
53.00		230	420	43629
53.18	2.3/32	00	00	43629
53.50		00	00	43629
53.97	2.1/8	235	425	43629
54.00		235	425	43629
54.50		235	425	45832
54.77	2.5/32	235	425	45832
55.00		235	425	45832
55.50		235	425	45832
55.56	2.3/16	235	425	45832
56.00		235	425	47759
56.36	2.7/32	00	00	47759
56.50		00	00	47759
57.00		240	430	47759
57.15	2.1/4	240	430	47759
57.50		240	430	52120
57.94	2.9/32	240	430	52120
58.00		240	430	52120
58.50		240	430	52120
58.74	2.5/16	240	430	52120
59.00		240	430	53116
95.50		240	430	53116
59.53	2.11/32	240	430	53116
60.00		240	430	53116
60.32	2.3/8	245	436	53116
60.50		245	436	56459
61.00		245	436	56459
61.12	2.13/32	245	436	56459
61.50		245	436	56459
61.91	2.7/16	245	436	56459

HSS TAPER SHANK TWIST DRILLS (STANDARD)

ISS 5103 - 1969

BS 283 (P1658AR I) 1986

Size MM	INCH	F/L	O/L	Price Each Rs.
62.00		245	436	56459
62.50		245	436	46459
62.71	2.15/32	245	436	57409
63.00		245	436	57409
63.50	2.1/2	250	441	57409
64.00		250	441	63450
64.29	2.17/32	250	441	63450
64.50		250	441	63450
65.00		250	441	63450
65.09	2.9/16	250	441	63450
65.50		250	441	63923
65.88	2.19/32	250	441	63923
66.00		250	441	63923
66.50		250	441	63923
66.67	2.5/8	250	441	63923
67.00		250	441	65482
67.47	2.21/32	00	00	70291
67.50		00	00	70291
68.00		255	446	70291
68.26	2.11/16	255	446	70291
68.50		255	446	75407
69.00		255	446	76190
69.00	2.23/32	255	446	76190
69.50		255	446	76190
69.85	2.3/4	255	446	76190
70.00		255	446	76190
70.50		255	446	81287
70.64	2.25/32	255	446	82172
71.00		255	446	82172
71.44	2.13/16	260	451	82172
71.50		260	451	82172
72.0		260	451	83760
72.23	2.27/32	260	451	83760
72.50		260	451	83760

Size MM	INCH	F/L	O/L	Price Each Rs.
73.00		260	451	83760
73.02	2.7/8	260	451	83760
73.50		260	451	88209
73.82	2.29/32	260	451	89142
74.00		260	451	89142
74.50		260	451	89142
74.61	2.15/16	260	451	89142
75.00		260	451	90251
75.41	2.31/32	00	00	90251
75.50		00	00	90251
76.00		265	456	90251
76.20	3	265	456	90251
76.99	3.1/32	265	456	123468
77.00		265	524	123468
77.79	3.1/16	265	524	123468
78.00		265	524	123468
78.58	3.3/32	265	524	125930
79.00		265	524	125930
79.37	3.1/8	265	524	129273
80.00		265	524	129273
80.17	3.5/32	0	00	138269
80.96	3.3/16	270	529	138269
81.00		270	529	138269
81.76	3.7/32	270	529	141863
82.00		270	529	141863
82.55	3.1/4	270	529	141863
83.00		270	529	144794
83.34	3.9/32	270	529	144794
84.00		270	529	144794
84.14	3.5/16	270	529	147201
84.93	3.11/32	270	529	147201
85.00		270	529	147201
85.72	3.3/8	275	534	167905
86.00		275	534	167905

Size MM	INCH	F/L	O/L	Price Each Rs.
86.52	3.13/32	275	534	167905
87.00		275	534	167905
87.31	3.7/16	275	534	171416
88.00		275	534	171416
88.11	3.15/32	275	534	171416
88.90	3.1/2	275	534	171416
89.00		275	534	171416
90.00		275	534	174911
90.49	3.9/16	281	540	181435
91.00		281	540	181435
92.00		281	540	181435
92.07	3.5/8	281	540	187359
93.0		281	540	187359
93.66	3.11/16	281	540	194445
94.00		281	540	194445
95.00		281	540	194445
95.25	3.3/4	286	540	194445
96.00		286	540	200955
96.84	3.13/16	286	545	200955
97.00		286	545	200955
98.00		286	545	204509
98.42	3.7/8	286	545	207428
99.00		286	545	207428
100.0		286	545	207428
100.01	3.15/16	291	550	210982
101.00		291	550	210982
101.60	4	291	550	210982
102.00		291	550	210982

Taper Socket MT Drill Size

MT1 – 3mm To 14 mm

MT2 – 14.25mm To 23mm

MT3 – 23.25mm To 31.75mm

MT4 – 32mm To 50.5mm

MT5 – 51mm To 76mm

MT6 – 77mm To 102mm

**HSS PARALLEL SHANK TWIST DRILLS (JOBBER SERIES)**

ISS 5101 - 1991

BS 328 (P1658AR I) 1986

Size mm	Inch	WG / LG	F/L	O/L	Price Per 10pc.
0.3			3	19	2453
0.4			5	20	2453
	1/64		5	20	2453
0.5			6	22	2453
0.6			7	24	2453
0.7			9	28	1408
0.8			10	30	1408
0.9			11	32	1408
1			12	34	342
1.02		60	12	34	342
1.04		59	12	34	342
1.07		58	14	36	342
1.09		57	14	36	342
1.1			14	36	342
1.18		56	16	38	342
1.19	3/64		16	38	342
1.2			16	38	342
1.3			16	38	342
1.32		55	16	38	342
1.40		54	18	40	342
1.50			18	40	342
1.51		53	20	43	342
1.59	1/16		20	43	342
1.60			20	43	342
1.61		52	20	43	367
1.7			20	43	367
1.70		51	22	46	367
1.78		50	22	46	367
1.80			22	46	367
1.85		49	22	46	367
1.90			22	46	367
1.93		48	24	49	367
1.98	5/64		24	49	367

Size mm	Inch	WG / LG	F/L	O/L	Price Per 10pc.
1.99		47	24	49	367
2			24	49	367
2.06		46	24	49	367
2.08		45	24	49	367
2.1			24	49	367
2.18		44	27	49	367
2.2			27	53	367
2.26		43	27	53	367
2.3			27	53	367
2.37		42	30	53	367
2.38	3/32		30	57	367
2.4			30	57	367
2.44		41	30	57	367
2.49		40	30	57	367
2.5			30	57	367
2.53		39	30	57	367
2.58		38	30	57	367
2.6			30	57	367
2.64		37	30	57	367
2.7			33	61	367
2.71		36	33	61	367
2.78	7/64		33	61	367
2.79		35	33	61	404
2.8			33	61	404
2.82		34	33	61	404
2.87		33	33	61	404
2.90			33	61	404
2.95		32	33	61	404
3.00			33	61	481
3.05		31	36	65	481
3.10			36	65	481
3.17	1/8		36	65	481
3.20			36	65	497

Size mm	Inch	WG / LG	F/L	O/L	Price Per 10pc.
3.26		30	36	65	497
3.3			36	65	497
3.4			39	70	497
3.45		29	39	70	497
3.5			39	70	497
3.57		28	39	70	497
3.57	9/64		39	70	497
3.60			39	70	704
3.66		27	39	70	704
3.70			39	70	704
3.73		26	39	70	704
3.80		25	43	75	704
3.80			43	75	704
3.86		24	43	75	704
3.90			43	75	704
3.91		23	43	75	704
3.97	5/32		43	75	704
3.99		22	43	75	704
4			43	75	704
4.04		21	43	75	853
4.09		20	43	75	853
4.1			43	75	853
4.2			43	75	853
4.22		19	43	75	853
4.30			47	80	853
4.30		18	47	80	853
4.37	11/64		47	80	853
4.39		17	47	80	853
4.40			47	80	853
4.50		16	47	80	1119
4.50			47	80	1119
4.57		15	47	80	1119



**HSS PARALLEL SHANK TWIST DRILLS (JOBBER SERIES)**

ISS 5101 - 1991  
 BS 328 (PART I) 1986

Size mm	Inch	WG / LG	F/L	O/L	Price Per 10pc.
4.6			47	80	1119
4.62		14	47	80	1119
4.7		13	47	80	1119
4.76	3/16		52	86	1119
4.8		12	52	86	1119
4.85		11	52	86	1216
4.90			52	86	1216
4.92		10	52	86	1216
4.98		9	52	86	1216
5.00			52	86	1216
5.06		8	52	86	1216
5.10			52	86	1216
5.11		7	52	86	1216
5.16	13/64		52	86	1216
5.18		6	52	86	1216
5.20			52	86	1216
5.22		5	52	86	1312
5.30			52	86	1312
5.31		4	57	93	1312
5.40			57	93	1312
5.41		3	57	93	1312
5.50			57	93	1312
5.56	7/32		57	93	1312
5.60			57	93	1312
5.61		2	57	93	1475
5.70			57	93	1475
5.79		1	57	93	1475
5.80			57	93	1475
5.90			57	93	1475
5.94		A	57	93	1475
5.95	15/64		57	93	1475

Size mm	Inch	WG / LG	F/L	O/L	Price Per 10pc.
6			57	93	1475
6.04		B	63	101	1606
6.10			63	101	1606
6.15		C	63	101	1606
6.20			63	101	1606
6.25		D	63	101	1606
6.30			63	101	1606
6.35	1/4	E	63	101	1606
6.40			63	101	1606
6.50			63	101	1606
6.53		F	63	101	2049
6.6			63	101	2049
6.63		G	63	101	2049
6.70			63	101	2049
6.75	17/64		69	109	2049
6.75		H	69	109	2049
6.80			69	109	2049
6.90			69	109	2243
6.90		I	69	109	2243
7.00			69	109	2243
7.03		J	69	109	2243
7.10			69	109	2243
7.14		K	69	109	2243
7.14	9/32		69	109	2243
7.2			69	109	2243
7.3			69	109	2368
7.37		L	69	109	2368
7.4			69	109	2368
7.49		M	69	109	2368
7.5			69	109	2368
7.54	19/64		69	117	2563

Size mm	Inch	WG / LG	F/L	O/L	Price Per 10pc.
7.6			75	117	2563
7.67		N	75	117	2563
7.7			75	117	2563
7.8			75	117	2563
7.9			75	117	2563
7.94	5/16		75	117	2814
8.0			75	117	2814
8.03		O	75	117	2814
8.10			75	117	2814
8.20			75	117	2814
8.20		P	75	117	2814
8.30			75	117	3410
8.33	21/64		75	117	3410
8.40			75	117	3410
8.43		Q	75	117	3410
8.50			75	117	3410
8.60			81	125	3410
8.61		R	81	125	3410
8.70			81	125	3410
8.73	11/32		81	125	3592
8.80			81	125	3592
8.84		S	81	125	3592
8.90			81	125	3592
9			81	125	3529
9.09		T	81	125	3747
9.10			81	125	3747
9.13	23/64		81	125	3747
9.20			81	125	3747
9.30			81	125	3747
9.34		U	81	12	3747
9.40			81	125	3747

NOTE: MOQ FOR SIZE 0.3 TO 0.9mm – 3000 PCS

**HSS PARALLEL SHANK TWIST DRILLS (JOBBER SERIES)**

ISS 5101 - 1991  
 BS 328 (PART I) 1986

Size Mm	inch	WG/LG	F/L	O/L	Price Per 10 Pc.
9.5			81	125	3747
9.52	3/8		87	133	4248
9.58		V	87	133	4248
9.6			87	133	4248
9.7			87	133	4248
9.8			87	133	4248
9.8		W	87	133	4248
9.90			87	133	4754
9.92	25/64		87	133	4754
10.0			87	133	4754
10.08		X	87	133	4754
10.10			87	133	4754
10.20			87	133	4754
10.26		Y	87	133	5152
10.30			87	133	5152
10.32	13/32		87	133	5152
10.40			87	133	5152
10.49		Z	87	133	5152
10.50			87	133	5152
10.60			87	133	5152
10.70			94	142	5455
10.72	27/64		94	142	5455
10.80			94	142	5455
10.90			94	142	5455
11.0			94	142	5455
11.10			94	142	6089
11.11	7/16		94	142	6089
11.20			94	142	6089
11.30			94	142	6089
11.40			94	142	6089
11.50			94	142	6422

Size Mm	inch	WG/LG	F/L	Price Per 10 Pc.
11.51	29/64	94	142	6422
11.6		94	142	6422
11.70		94	142	6422
11.80		94	142	6422
11.90		101	151	6859
11.91	15/32	101	151	6859
12.00		101	151	6859
12.10		101	151	6859
12.20		101	151	6859
12.30		101	151	7275
12.30	31/64	101	151	7275
12.40		101	151	7275
12.50		101	151	7275
12.60		101	151	7275
12.70	1/2	101	151	7682
12.80		101	151	7682
12.90		101	151	7682
13.00		101	151	7682
13.10	33/64	101	151	9554
13.10		101	151	9554
13.20		101	151	9554
13.30		108	160	9554
13.40		108	160	9554
13.49	17/32	108	160	10170
13.50		108	160	10170
13.60		108	160	10170
13.70		108	160	10170
13.80		108	160	10170
13.89	35/64	108	160	11036
13.90		108	160	11036
14.00		108	160	11036

Size Mm	inch	WG/LG	F/L	Price Per 10 Pc.
14.29	9/16	114	169	11578
14.50		114	169	11578
14.68	37/64	114	169	12476
15.00		114	169	12476
15.08	19/32	120	178	12476
15.48	39/64	120	178	13517
15.50		120	178	13517
15.87	5/8	120	178	13517
16.00		120	178	13517
16.50				13959
16.67	21/32			13959
17.00		125	184	14298
17.46	11/16	130	191	14298
17.50		130	191	15188
18.00		130	191	15472
18.26	23/32			15472
18.50				16202
19.00		135	198	16364
19.05	1/4	140	205	16364
19.50		140	205	18410
19.84	25/32	140	205	18410
20.00		140	205	19549

**DRILL SET**

1MM TO 13 MM 0.5 RISING

(SET OF 25 PCS) 7197

1MM TO 13MM 1MM RISING

SET OF 13 PCS 3791

1/16" TO 1/2" PCS

SET OF 29 PCS 8676

A TO Z DRILL SET 26 PCS 7516

NO 1 TO 60 SET 60 PCS 4082

**HSS PARALLEL SHANK TWIST DRILLS STUB SERIES**

**ISS 5101 - 1991  
 BS 328 (PART I) 1986**

Size MM	INCH	F/L	O/L	Price Each Rs.
3.0		16	46	404
3.17	1/8	18	49	468
3.20		18	49	491
3.50		20	52	491
3.57	9/64	20	52	491
3.80		22	55	680
3.97	5/32	22	55	680
4.00		22	55	680
4.20		22	55	756
4.37	11/64	24	58	756
4.50		24	58	1001
4.76	3/16	26	62	1001
4.80		26	62	1001
5.00		26	62	1064
5.16	13/64	26	62	1064
5.20		26	62	1064
5.5		28	66	1156
5.56	7/32	28	66	1156
5.80		28	66	1301
5.95	15/64	28	66	1301
6.00		28	66	1301
6.20		31	70	1456
6.35	1/4	31	70	1456
6.50		31	70	1793
6.75	17/64	34	74	1793
6.80		34	74	1793
7.00		34	74	1966
7.14	9/32	34	74	196
7.20		34	74	1966
7.50		34	74	2043
7.54	19/64	37	79	2243
7.80		37	79	2243
7.94	5/16	37	79	2468
8.00		37	79	2468
8.20		37	79	2468
8.33	21/64	37	79	3083
8.50		37	79	3216
8.73	11/32	40	84	3216

Size MM	INCH	F/L	O/L	Price Each Rs.
8.8		40	84	3216
9.0		40	84	3216
9.13	23/64	40	84	3397
9.20		40	84	3397
9.50		40	84	3397
9.52	3/8	43	89	3550
9.80		43	89	3550
9.92	25.64	43	89	4344
10.0		43	89	4344
10.2		43	89	4344
10.32	13.32	43	89	4676
10.50		43	89	4676
10.72	27.64	47	95	5266
10.08		47	95	5266
11.00		47	95	5266
11.11	7/16	47	95	5485
11.20		47	95	5485
11.50		47	95	5867
11.51	29/64	47	95	5867
11.80		47	95	5867
11.91	15/32	51	102	6208
12.00		51	102	6208
12.20		51	102	6208
12.30	31/64	51	102	6747
12.50		51	102	6747
12.70	1/2	51	102	6892
12.80		51	102	6892
13.00		51	102	6892
13.20		51	102	8070
13.49	17/32	54	107	8070
13.50		54	107	8600
13.80		54	107	8600
14.00		54	107	9364
14.29	9/16	56	111	9364
14.50		56	111	9752
15.00	19/32	56	111	10545
15.50		58	115	11415
15.87	5/8	58	115	11415

Size MM	INCH	F/L	O/L	Price Each Rs.
16.00		58	115	11415
16.50	21/32	60	119	11597
16.75		60	119	11831
17.00		60	119	11831
17.46	11/16	62	123	12046
17.50		62	123	12046
18.00	23/32	62	123	12210
18.50		64	127	12427
19.00		64	127	12648
19.05	3/4	66	131	12648
19.50		66	131	12862
17.75	25/32	66	131	12862
20.00		66	131	13083
20.50		68	131	13354
20.64	13/16	68	136	13354
21.00		68	136	13890
21.50		70	136	14531
21.75		70	141	14720
22.00		70	141	14720
22.22	7/8	70	141	14720
22.25		70	141	15656
22.50		72	141	15656
22.75		72	146	15873
23.00		72	146	15873
23.02	29/32	72	146	15873
23.25		72	146	16784
23.50		72	146	16784
23.75		75	146	16784
23.81	15/16	75	151	16784
24.00		75	151	18575
24.50	31/32	75	151	18575
24.75		75	151	20375
25.00		75	151	20375
25.25		78	156	20475
25.40	1.00	78	156	20475
25.50		78	156	23108

**HSS PARALLEL SHANK TWIST DRILLS (LONG SERIES)**

**ISS 5101 - 1991**

**BS 328 (PART I) 1986**

Size MM	INCH	F/L	O/L	Price Each Rs.
1.0		33	56	216
1.1		37	60	216
1.19	3/64	41	65	216
1.20		41	65	216
1.30		41	65	216
1.40		45	70	216
1.50		45	70	216
1.59	1/16	50	76	216
1.60		50	76	216
1.70		50	76	216
1.80		53	80	216
1.90		53	80	216
1.98	5/64	56	85	216
2.0		56	85	216
2.10		56	85	216
2.20		59	90	216
2.3		59	90	273
2.38	3/32	62	95	273
2.40		62	95	273
2.50		62	95	273
2.6		62	95	273
2.7		66	100	273
2.78	7/64	66	100	273
2.8		66	100	273
2.90		66	100	273
3.0		66	106	276
3.17	1/8	69	106	276
3.20		69	112	276
3.5		73	112	276
3.57	9/64	73	119	276
3.80		78	119	297
3.97	5/32	78	119	297
4.00		78	119	297
4.20		79	119	297
4.37	11/64	82	126	297
4.50		82	126	297
4.76	3/16	87	132	297
4.80		87	132	297
5.00		87	135	350
5.16	13/64	87	135	350
5.20		87	135	350

Size MM	INCH	F/L	O/L	Price Each Rs.
5.5		91	139	402
5.56	7/32	91	139	402
5.80		91	139	438
5.95	15/64	91	139	438
6.00		91	138	438
6.20		97	138	498
6.35	1/4	97	148	454
6.50		97	148	635
6.75	17/64	102	156	765
6.80		102	156	765
7.00		102	156	765
7.14	9/32	102	156	765
7.20		102	156	765
7.50		102	156	765
7.54	19/64	109	165	765
7.80		109	165	765
7.94	5/16	109	165	79
8.0		109	165	789
8.20		109	165	789
8.33	21/64	109	165	789
8.50		109	165	795
8.73	11/32	115	175	835
8.88		115	175	1010
9.00		115	175	878
9.13	23/64	115	175	993
9.20		115	175	1010
9.50		115	175	87
9.52	3/8	121	184	878
9.80		121	184	1016
9.92	25/64	121	184	1016
10.10		121	184	919
10.20		121	184	1016
10.32	13/32	121	184	919
10.50		121	184	1103
10.72	27/64	128	195	1253
10.80		128	195	1253
11.00		128	195	1154
11.11	7/16	128	195	1154
11.20		128	195	1341
11.50		128	195	1187
11.51	29/64	128	195	1341

Size MM	INCH	F/L	O/L	Price Each Rs.
11.80		128	195	1341
11.91	15/32	134	205	1187
12.00		134	205	1223
12.20		134	205	1364
12.30	31/64	134	205	1364
12.50		134	205	1223
12.70	1/2	134	205	1223
12.80		134	205	1873
13.00		134	205	1698
13.10	33/64	134	205	1887
13.20		134	205	1887
13.49	17/32	140	214	1731
13.50		140	214	1887
13.89	35/64	140	214	2054
14.00		140	214	1887
14.29	9/16	144	220	1887
14.50		144	220	1978
14.68	37/64	144	220	2177
15.00		144	220	1978
15.08	19/32	149	227	1978
15.48	39/64	149	227	2244
15.50		149	227	2054
15.87	5/8	149	227	2054
16.00		149	227	2087
16.27	41/64	154	235	2321
16.50		154	235	2126
16.67	21/32	154	235	2126
17.00		154	235	2177
17.46	11/16	158	241	2177
17.50		158	241	2321
17.75		158	241	2321
18.00		158	241	2366
18.50		162	247	2464
19.00		162	247	2509
19.05	3/4	166	254	2509
19.30		166	254	2652
19.45	49/64	166	254	2897
19.50		166	254	2652
20.00		166	254	2815

**HSS PARALLEL SHANK TWIST DRILLS (JOBBER SERIES)**

**ISS 5101 - 1991**

**BS 328 (PART I) 1986**

Size MM	INCH	F/L	O/L	Price Each Rs.
5	3/16	74	155	1042
5.2		74	155	1042
5.5	7/32	80	161	1161
5.8		80	161	1161
6		80	161	1161
6.2		86	167	1293
6.5	1/4	86	167	1293
6.8		93	174	1394
7		93	174	1394
7.2		93	174	1439
7.5		93	174	1439
7.8		100	181	1520
8	5/16	100	181	1520
8.2		100	181	1551
8.5		100	181	1551
8.8		107	188	1682
9		107	188	1682
9.2		107	188	1722
9.5	3/8	107	188	1722
9.8		116	197	1955
10		116	197	1955
10.20		116	197	2010
10.5		116	197	2010
10.8		125	206	2054
11		125	206	2054
11.2		125	206	2130
11.5	7/16	125	206	3130
11.8		125	206	2130
12		134	215	2526
12.2		134	215	2662
12.50	1/2	134	215	2662
12.80		134	215	2662
13.00		134	215	2662
13.20		134	215	2662
13.50		142	223	2917
13.80		142	223	3035
14.00		142	245	3035
14.30		147	245	3788
14.50	9/16	147	245	3788
14.80		147	245	3871
15.00		147	245	3871
15.30		153	251	3961
15.50		153	251	3961
15.80		153	251	4061
16.00	5/8	153	251	4061
16.30		159	257	4133
16.50		159	257	4133
16.80		159	257	4220
17.00		159	257	4220

Size MM	INCH	F/L	O/L	Price Each Rs.
17.25		165	263	4583
17.50	11/16	165	263	4583
17.75		165	263	4594
18.00		165	263	4594
18.25		171	269	4666
18.50		171	269	4666
18.75		171	269	4741
19.0	3/4	171	269	4741
19.25		177	275	4871
19.50		177	275	4871
19.75		177	275	4951
20		177	275	4951
20.25		184	282	5034
20.50		184	282	5034
20.75		184	282	5127
21.00	13/16	184	289	5127
21.25		191	289	5959
21.50		191	289	5955
21.75		191	289	6074
22		191	289	607
22.25		191	289	6487
2250	7/8	198	296	6487
22.75		198	296	6799
23.00		198	296	6799
23.25		198	296	8306
23.50		198	296	8306
23.75		206	327	8306
24.00	15/16	206	327	8306
24.25		206	327	8670
24.50		206	327	8670
24.75		206	327	8985
25.00		206	327	8985
25.25		214	335	8985
25.50	1	214	335	8985
25.75		214	335	9346
26.00		214	335	9346
26.25		214	335	9616
26.50		214	335	9616
26.75		222	343	11395
27.00	1.1/16	222	343	11395
27.25		222	343	11760
27.50		222	343	11760
27.75		222	343	12120
28.		222	343	12120
28.25		222	351	12511
28.50		230	351	12511
28.75	1.1/8	230	351	12862
29.00		230	351	12862
29.25		230	351	13218

Size MM	INCH	F/L	O/L	Price Each Rs.
29.50		230	351	13218
29.75		230	351	13593
30.00	1.3/16	230	351	13593
30.25		239	360	13954
30.50		239	360	13954
30.75		239	360	13954
31.00		239	360	13954
31.25		239	360	14055
31.50		239	360	14055
31.75	1.1/4	239	369	14597
32.00		248	397	16815
32.50		248	397	17540
33.00	1.5/16	248	397	17540
33.50		248	397	18305
34.00		257	406	18305
34.50		257	406	19105
35.00	1.3/8	257	406	19105
35.50		257	406	19105
36.00		267	416	20936
36.50		267	416	21718
37	1.7/16	267	416	21718
37.50		267	416	23519
38.00	1.1/2	277	426	23519
38.50		277	426	24292
39.00		277	426	24292
39.50		277	426	25254
40.00		277	426	25254
40.50		287	436	25254
41.00	1.5/8	287	436	25254
41.50		287	436	26545
42.00		287	436	26545
42.50		287	436	28084
43.00		298	447	30171
43.50		298	447	31805
44.00		298	447	31805
44.50		298	447	33113
45.00	1.3/4	298	447	33113
45.50		310	459	34912
46.00	1.13/16	310	459	34912
46.50		310	459	36332
47.00		310	459	36332
47.50		310	459	38168
48.00	1.7/8	321	470	38168
48.50		321	470	41801
49.00	1.15/16	321	470	41801
49.50		321	470	41801
50.00		321	470	43955

**HSS PARALLEL SHANK TWIST DRILLS (EXTRA LONG) (ADDISON STANDARD)**

Size		FL 100	FL 125	FL 150	FL 175	FL 200	FL 225	FL 250
MM	Inch	OAL 150	OAL 175	OAL 200	OAL 225	OAL 250	OAL 300	OAL 350
3.0	1/8	795	973	1101	1310	1544	1927	
3.5		774	902	1161	1442	1736	2214	
4.0	5/32	774	902	1161	1442	1736	2214	3053
4.5		794	973	1161	1442	1736	2280	3053
5.0	3/16	794	1013	1257	1543	1823	2416	3204
5.5	7/32	868	1083	1344	1645	1940	2567	3339
6		868	1130	1383	1675	2008	2629	3465
6.5	1/4			1415		2046	2754	3465
7.0				1570		2250	3113	3891
7.5	9.32			1599		2391	3171	3891
8.0	5.16			1677		2492	3248	3982
8.5	11.32			1731		2543	3308	4252
9.0				1731		2543	3308	4252
9.5	3/8			1823		2559	3308	4389
10.0				1898		2630	3531	4586
10.5	13.32			1962		2808	3663	4823
11.0	7/16					2906	3775	4976
11.5						2906	3775	4976
12.0	15.32					3050	4004	5106
12.5	1/2					3145	4133	5445

**HSS TAPER SHANK TWIST DRILLS (EXTRA LONG) (ADDISON STANDARD)**

Size		PRICE Rs. EACH											
mm	Inch	FL 119 OAL200	FL 144 OAL225	FL169 OAL250	FL194 OAL275	FL219 OAL300	FL234 OAL315	FL244 OAL325	FL250 OAL350	FL275 OAL375	FL302 OAL 400	FL302 OAL450	FL398 OAL500
3.0	1/8	1465	1722	1907	2171	2461		2841					
3.5		1506	1722	1961	2224	2525		2919					
4.0	5/32	1506	1722	1961	2224	2525		2919					
4.5		1544	1771	1961	2277	2677		3071					
5.0	3/16	1544	1771	1961	2277	2677		3071					
5.5	7/32	1544	1783	2056	2412	2734		3152					
6		1553	1783	2078	2412	3734	2988	3152					
6.5	1/4	1575	1840	2088	5233	2841	3082	3246					
7.0		1716	1933	2170	2581	2974	3271	3408					
7.5		1736	1981	2232	2628	3051	3343	3473					
8.0	5/16	1813	2025	2321	2723	3128	3397	3570					
8.5		1873	2101	2367	2771	3186	3438	3669					
9.0		1903	2132	2423	2785	3211	3528	3699					
9.5	3/8	1950	2157	2423	2862	3292	3575	3716					
10.0		1955	2212	2495	2913	3355	3663	3819	4274	4819	5361		
10.5		2010	2295	2662	3078	3528	3820	4012	4587	5154	5808		
11.0		2055	2367	2688	3128	3593	3945	4115	4671	5238	5856		
11.5	7/16	2130	2416	2757	3205	3681	4012	4192	4797	5375	6009		
12.0			2416	2877	3332	3819	4168	4378	4951	5497	6166		
12.5	1/2		2662	2974	3453	3937	4302	4500	5184	5852	6612		
13.0				3528	4041	4587	4981	5238	5960	6689	7515		
13.5				3641	4122	4712	5102	5332	6073	6856	7704		
14.0				3762	4245	4797	5205	5418	6193	6997	7851		
14.5	9/16			3788	4303	4868	5233	5497	6312	7118	7989	10484	13231
15.0				3871	4397	4985	5344	5631	6438	7218	8120	10611	13366
15.5				3961	4499	5034	5449	5708	6536	7356	8231	10713	13481
16.0	5/8			4061	4574	5135	5526	5811	6630	7470	8397	10898	13630
16.5				4133	4635	5233	5631	5902	7533	7608	8575	11013	13714
17.0				4220	4747	5288	5698	5981	6856	7710	8670	11150	13842
17.5	11/16					5418	5808	6097	6988	7840	8773	11279	13972
18.0						5497	5938	6193	7101	7977	8934	11395	14106
18.5						5585	6009	6305	7163	8072	9073	11527	14242
19.0	3/4					5684	6097	6399	7281	8196	9194	11658	14324
19.5						5754	6166	6461	7413	8358	9381	11795	14464
20.0						5852	6267	6585	7498	8470	9516	11916	14640
20.5						5960	6381	6677	7623	8575	9659	12120	14861
21.0	13/16					6067	6505	6790	7784	8753	9816	12327	15094
21.5						6193	6612	6904	7924	8921	10003	12587	15401
22.0						6328	6789	7101	8072	9073	10171	12783	15645
22.5	7/8					6496	6932	7253	8208	9194	10280	12960	15905
23.0						6799	7257	7522	8480	9394	10463	13196	16137
23.5						7470		8306	9103	10007	10821	13571	16632

**HSS PARALLEL SHANK TWIST DRILLS (EXTRA LONG) (ADDISON STANDARD)**

Size		Price Each Rs.								
MM	Inch	FL-175 OAL 300	FL 200 OAL 325	FL 225 OAL 350	FL 275 OAL 400	FL 300 OAL 425	FL 325 OAL 450	FL 350 OAL 475	FL 375 OAL 500	FL 400 OAL 525
24.0	15/16	7470	8306	9194	11199	12540	14001	15430	17076	
24.5		7704	8670	9613	11581	12953	14399	15882	17540	
25.0			8985	9967	11938	13319	14816	16324	18030	
25.5	1			10275	12293	13698	15204	16762	18451	
26.0				10693	12692	14106	15654	17196	18943	
26.5				11013	13046	14499	16053	17602	19407	
27.0	1.1/16			11395	13433	14882	16454	18061	19859	
27.5				11760	13764	15278	16870	18480	20306	
28.0				12120	14168	15654	17277	19309	20797	
28.5	1.1/8			12511	14519	16019	17697	19375	21226	
29.0				12862	14915	16423	18119	19785	21706	
29.50				13218	15268	16815	18505	20231	22182	
30.0	1.3/16			13593	15645	17196	18922	20657	22619	
31	1.1/4			13954	16024	17621	19413	21195	23257	
SIZE		PRICE EACH RS.								
MM	INCH	FL 175 OAL 300	FL 200 OAL 325	FL 200 OAL 350	FL 250 OAL 400	FL 275 OAL 425	FL 300 OAL 450	FL 325 OAL 475	FL 350 OAL 500	FL 375 OAL 525
32				14055	16815	18480	20353	22182	24336	25928
33	1.5/16				17540	19320	21260	23174	25399	27095
34					18305	20121	22169	14178	26491	28240
35	1.3/8				19105	21005	23082	25189	27572	29382
36					19859	21802	23975	26159	28652	30476
37	1.7/16				20615	22619	24889	27141	29695	31620
38	1.1/2				21401	23519	25852	28159	30821	32812
39					22182	24550	26674	29053	31741	33787
40					23110	25254	27613	30034	32783	34852
41	1.5/8								33870	
42									35375	
43									36944	
44									38485	
45	1.3/4								40053	
46	1.13/16								41749	
47									43436	
48	1.7/8								45130	
49	1.15/16								46789	
50									48675	



**HAND & MACHINE REAMER (INCH)**

Size	Rate	Size	Rate	Size	Rate	Size	Rate	Size	Rate
1/8	990	15/32	1924	7/8	4043	1.5/8	17472	2.9/16	59363
5/32	990	1/ 2	5228	15/16	5228	1.11/16	20592	2.5/8	61366
3/16	990	17/32	5335	1	5335	1.3/4	20592	2.3/4	65786
7/32	990	9/16	7405	1.1/8	7405	1.7/8	27983	2.13/16	69119
1/ 4	1152	19/32	8476	1.3/16	8476	2	27983	2.7/8	80366
9/32	1154	5/8	9360	1.1/4	9360	2.1/16	33355	2.15/16	80366
5/16	1308	21/32	10629	1.5/16	10629	2.1/8	33355	3	84393
11/32	1364	11/16	13067	1.3/8	13067	2.1/4	38732		
3/8	1487	23/32	13163	1.7/16	13163	2.5/16	41441		
13/32	1648	3/ 4	14343	1.1/2	14343	2.3/8	49168		
7/16	1850	13/16	17325	1.9/16	17325	2.1/2	49168		

**HAND & MACHINE REAMER (MM)**

Size	Rate	Size	Rate	Size	Rate	Size	Rate	Size	Rate
3	990	13	2429	24	5228	36	13067	48	27983
4	990	14	2429	25	5239	38	14343	49	27983
4.5	990	15	2445	26	6475	39	15851	50	27983
5	990	16	2445	27	7405	40	17325	51	33355
6	1152	17	2815	28	7405	41	17472	52	33355
7	1154	18	3014	29	7855	42	20592	53	38732
8	1308	19	3205	30	8476	43	20592	54	38732
9	1364	20	3572	32	9360	44	20592	55	38732
10	1648	21	4043	33	10629	45	24130	56	41441
11	1850	22	4043	34	11942	46	24130	57	41441
12	1924	23	4719	35	13067	47	26054	58	49168

**HSS TAPER SHANK EXTRA LONG MACHINE REAMERS**

Mm FL OAL	Rate
8x125x200	1894
8x175x250	2024
8x200x300	2220
8x225x300	2785
9x125x200	1848
9x175x250	2127
10x125x250	2379
10x175x250	2537
10x200x300	2693
10x300x400	2878
12x160x250	2819
12x200x300	2970
13x200x300	3397
14x160x250	3166
14x200x300	3718

Mm FL OAL	Rate
15x200x300	3777
15x300x400	4225
16x200x300	3777
16x300x300	4225
17x200x300	4260
18x200x300	4682
19x200x300	4975
20x200x300	5520
20x300x400	6236
22x200x300	6268
25x200x315	8139
25x275x400	9141
26x275x400	11303
28.275x400	12983

**HSS TAPER SHANK EXTRA LONG MACHINE REAMERS**

Mm FL OAL	Rate
5/16x125x200	1894
5/16x175x250	2024
5/16x200x300	2220
3/8x125x200	2379
3/8x175x250	2537
3/8x200x300	2693
7/16x160x250	2819
7/16x200x300	2970
1/2x175x200	3178
1/2x200x300	3213
9/16x200x300	3777
9/16x250x350	4002
5/8x200x300	3777
5/8x250x350	4041
5/8x300x400	4225

Mm FL OAL	Rate
11/16x200x300	4687
3/4x200x300	4975
3/4x300x400	5295
13/16x200x300	6268
7/8x200x300	7426
7/8x300x400	7586
1x275x400	9141
1x200x315	8139
1.1/8x275x400	13888

**HSS PARALLEL SHANK END DRILL**

IS: 6353-1991

**HSS TAPER SHANK END DRILL**

IS: 6354-1971

HSS END MILL (STANDARD)				TAPER
DIA	M2 HSS PARELLEL SHANK			END MILL
MM	Cutting	Overall	Rate	mm
3	8	40	582	969
4	13	47	582	969
5	13	47	582	969
6	13	57	650	969
7	16	60	732	969
8	19	63	732	969
9	19	69	732	1049
10	22	72	732	1049
11	22	79	732	1153
12	26	83	732	1153
13			855	1593
14	26	83	936	1593
15			1095	1697
16	32	92	1095	1697
17			1196	2072
18	32	92	1331	2072
19			1331	2393
20	38	104	1472	2393
21	38	104	1651	2512
22			1671	2512
23			1811	2738
24			1811	2959
25	45	121	1947	2959
26			2020	3685
27			2376	4120
28	45	121	2772	4120
29			2772	4532
30			3050	4532
31			3328	4811
32	53	133	3328	4811
33			3686	5817
34			4019	6381
35			4019	6381
36	53	133	4381	6993
37			4721	7626
38			5033	7626
39			5338	8866
40	63	155	5669	8866
41			5669	8866
42			6453	9748
43			6453	9748
44			7230	10186
45	63	155	7230	10954
46			7230	11211
47			7953	11613
48			7953	11613
49			7953	13059
50	75	177	8749	13059

DIA MM	M2 HSS PARELLEL SHANK		END MILL
MM	Cutting Length	Overall Length	Rate Each
3	12	44	757
4	24	58	757
5	24	58	757
6	24	68	845
7	30	74	952
8	38	82	952
9	38	88	952
10	45	95	952
11	45	102	952
12	53	110	982
13			1111
14	53	110	1217
15			1423
16	63	123	1423
17			1554
18	63	123	1730
19			1730
20	75	141	1913
21	75	141	2146
22			2173
23			2354
24			2354
25	90	166	2531
26			2626
27			3089
28	90	166	3604
29			3604
30			3966
31			4326
32	106	186	4326
33			4792
34			5225
35			5225
36		106	5696
37			6138
38			6543
39			6940
40	125	217	7370
41			7370
42			8389
43			9389
44			9400
45	125	217	9400
46			9400
47			10339
48		8	10339
49			10339
50	150	262	11374

**NUMBE OF FLUTE IN ST.ENDMILL**

3MM TO 4MM-3FL, 5MM TO 16MM-4FL, 18MM TO 40MM-6FL, 45MM TO 63MM – 8 FL.

## HSS PARELLEL SHANK END MILL / TAPER SHANK END MILL

## BS – 122 (PART 1) 1953

DIA Inch	Cutting Length	Overall Length	Price Each (Rs.)	
			Parallel Shank M2	Taper Shank End Mills M2
1/8	3/8	1.7/8	582	905
5/32	3/8	1.7/8	582	905
3/16	1/2	2	582	905
7/32	1/2	2	583	926
¼	5/8	2.1/8	650	926
9/32	3/4	2.1/2	669	926
5/16	3/4	2.1/2	732	926
3/8	7/8	2.5/8	732	1007
7/16	7/8	2.5/8	732	1021
½	1	2.3/4	756	1153
9/16	1.1/8	2.7/8	936	1593
5/8	1.1/4	3.1/4	1095	1697
11/16	1.3/8	3.3/8	1225	1915

DIA Inch	Cutting Length	Overall Length	Price Each (Rs.)	
			Parallel Shank M2	Taper Shank End Mills M2
3/4	1.1/2	3.1/2	1331	2021
13/16	1.5/8	3.5/8	1472	2296
7/8	1.5/8	3.5/8	1671	2514
15/16	1.5/8	3.5/8		2729
1	1.3/4	3.3/4	1947	2936
1.18	1.7/8	4.1/8	2772	4094
1.1/4	2	4.1/4	3328	4811
1.3/8	2.1/8	4.5/8	4019	6381
1.1/2	2.1/4	4.3/4	4704	7626
1.5/8	2.3/8	4.7/8	5669	8866
1.3/4	2.1/2	5.1/8	7230	10186
1.7/8	2.5/8	5.1/4	7972	11613
2	3	5.1/2	8730	13059

DIA MM	Price Each (Rs.)			Taper Shank Slot Drill M2
	Parallel Shank Slot Drill M2 HSS			
3	5	37	706	1080
4	7	39	706	1080
5	8	42	706	1080
6	8	52	756	1080
7	10	54	756	1080
8	11	55	756	1187
9	11	61	756	1187
10	13	63	785	1212
11	13	70	785	1212
12	16	73	856	1354
14	16	73	1095	1697
15			1233	1762
16	19	79	1233	1762
18	19	79	1517	2021
20	22	88	1517	2021
21			1768	2510
22	22	88	1768	2510
23		102	2098	2989
24			2098	2989
25	26	102	2098	2989
26			2988	4125
28	26	112	3643	4369
30			3643	5239
32	32	112	3643	5239
34			4381	6788
35			4381	6788
36	32	112	4704	7916
38			5074	7916
40	38	130	5430	9035
41			6141	
42			6141	
43			6828	
44			6828	
45	38	130	6828	
46			7581	
47			7581	
48			7581	
49			8314	
50	45	147	8314	

DIA MM	Price Each (Rs.)	
	Parallel Shank Slot Drills M2	Taper Shank Slot Drill M2
1/8	706	970
5/32	706	970
3/16	706	970
7/32	754	1064
1/4	756	1119
5/16	756	1187
3/8	756	1187
7/16	773	1212
1/2	856	1354
9/16	1095	1697
5/8	1233	1762
11/16	1394	1916
3/4	1517	2021
13/16	1768	2510
7/8	1768	2510
1	2098	2989
1.1/8	2988	4369
1.1/4	3643	5239
1.3/8	4381	6788
1.1/2	5074	9716
1.5/8	6280	
1.3/4	6828	
1.7/8	7581	
2	8313	

**SHANK DIA DETILAS FOR ADDISON PARAIEL ENDMIU & SLOT DRILLS AS UNDER**

SIZES M.M.	SHANK DIA	SIZES INCH	SHANK DIA
3T04MM	4MM	1/8" TO 1/4"	1/4"
5MM	SMM	5/16" TO 3/8"	3/8"
6MM	6MM	7/16" TO 9/16"	1/2"
7,SMM	8MM	5/8" TO 3/4"	5/8"
9,10 MM	10MM	13/16" TO 1"	3/4"
11 TO 15 MM	12MM	1-1/8" TO 1-1/2"	1"
16TO 19 MM	16MM	1-5/8" TO 1-7/8"	1-1/4"
20T023MM	20MM	2" TO 2-3/4"	1-1/2"
24T030MM	2SMM	3"	2"
32T036MM	32MM		
37T047MM	40MM		
4ST063MM	SOMM		

**H.S. S. SIDE & FACE CUTTER INCH (BS:122 PART.I OF 1953) BORE 1",1.1/4"**

DIA WIDTH	2.1/2'	3'	3.1/2"	4'	5'	6"	7"	8"	10"
1/8"		5002							
3/16"	3516	3897	4631	5489	7715	9391	13924	16722	24721
1/4"	3516	3897	4631	5489	7715	9391	13924	16722	24721
5/16"	3684	4095	4893	5883	8281	10215	15067	18044	27243
3/8"	3850	4342	5204	6277	8872	11083	16211	19528	29593
7/16"	4024	4545	5512	6674	9493	11958	17295	21046	31804
1/2"	4197	4785	5782	6972	10111	12836	18680	22571	34615
S/S"	4499	5247	6409	7895	11418	14622	20914	25528	40236
3/4"	4806	5632	7020	8704	12679	16425	23194	28488	45481
7/8"	5128	6269	7569	9493	14002	18235	25500	31447	50333
1"	5489	6774	8325	10314	15311	19991	27778	34407	55494
1.1/4"	6169	7480	9418	11723	17684	23279	32318	40257	65102
1.1/2"	6873	8547	10614	12912	20118	26555	36914	46107	75491

**BORE16,22,27,32 & 40 MM MM (IS: 6308 - 1982)**

DIA	50	63	80	100	125	150	160	200	250
4mm			4806	6875					
SMM	2870	3516	3850	5504	7715	9391	12778	16722	24721
6MM	2983	3516	3850	5504	7715	9391	12778	16722	24721
8MM	3061	3715	4267	5883	8281	10215	13581	18044	27243
10MM	3251	4041	4555	6504	8872	11083	14388	19528	29593
12MM		4215	4857	6972	10111	12836	15176	22571	34615
14MM		4342	5166	7385	10953	13728	15975	24041	37475
16MM		4555	5404	7895	11418	14628	16917	25528	40236
18MM		4857	6017	8421	12245	16425	18116	28488	45481
20MM			6277	9067	12679	16425	19020	28798	4548.1
22MM				9493	14002	18235	20142	31447	50331
2SMM				10314	15311	19991	21739	34407	55492
28MM					17241	21659	23279	36224	60323
32MM						23279	25339	40264	65102

HSS PARALLEL SHANK ROUGHING END MILLS IS-6353-1991

SIZE MM	M2 PRICE (EACH)	SIZE MM	M2 PRICE (EACH)	SIZE MM	M2 PRICE (EACH)	SIZE MM	M2 PRICE (EACH)
10	2114	16	3199	22	3872	28	5452
11	2114	17	3034	23	4030	29	5452
12	2170	18	3196	24	4030	30	6061
13	2444	19	3196	25	4198	32	6368
14	2556	20	3627	26	4549		
15	3199	21	3820	27	4986		

**H.S.S. HAND MACHINE TAPER PIN REAMERS**

(TAPER 1:50) IS 5881-1984 (TAPER 1: 48J (8S: 328 PART 4J OF 1983

Size	Price	Size	Price	Size	Price	Size	Price
3.0mm	2126	16.0mm	4816	9/64"	1981	3/8"	2762
4.0mm	2126	20.0mm	7491	5/32"	1981	13/32"	3098
5.0mm	2126	25.0mm	7948	11/64"	1981	11/16"	3190
6.0mm	2126	30mm	10694	3/16"	1981	1/2"	3607
8.0mm	2878	32.0mm	11750	1/4"	1981	9/16"	
10.0mm	3192	40.0mm	21012	9/32"	2167	5/8"	
12.0mm	3853	50.0mm	36416	5/16"	2400	3/4"	
14.0mm	4326	1/8"	1981	11/32"	2708	7/8"	

Cutters will be supplied for RH Rotation with RH Helical Cutting.

HSS CUTTERS FOR WOODRUFF

HSS CUTTERS FOR WOODRUFF KEYSEATS

KEYSEATS (Part I) of 1953

(ST. Teeth) /5:2669-1971) (Type-A)

Size (BS NO)	Price Each	Size (BS NO)	Price Each	Size (BS NO)	Price Each	Size (BS NO)	Price Each
204 & 304	1305	608,808	3014	10.5x2 & 2 .5	1223	28.5x6,8,1	3572
404	1305	1008	3014	10.5x3	1223	32.5x7	4224
305	1808	609,809	3729	13.5x3&4	1529	32.5x8	4224
405	1808	1009	3729	16.5x3 & 4	1703	32.5x10	4224
505	1808	810/1010	4413	16.5x5	1703	45.5x10	7174
406/506	2124	1210	4413	19.5x4mm	1936		
606	2124	1011	5371	19.5x5mm	1936		
507	2493	1211	5371	19.5x6mm	1936		
607	2493	812/1212	6068	22.5x5&6	2202		
807	2493	1012	6068	22.5)(8	2202		

HSS "T" SLOT CUTTERS TAPER SHANK  
 (Inch Size BS-122 (Part I) 1953

HSS 'T' SLOT CUTTERS WITH TAPER SHANK (Metric) (IS2668/2004)

NOM. SIZE OF T-SLOT	DIA OF CUTT.	Price Each Rs. P.	NOM. SIZE OF T-SLOT	DIA OF CUTT.	Price Each Rs. P.	NOM. SIZE OF T-SLOT	DIA OF CUTT.	Price Each Rs. P.	NOM. SIZE OF T-SLOT	DIA OF CUTT.	Price Each Rs. P.
1/4"	37/64	3739	3/4"	1-33/64	11862	1.1/2"	2-3/4	42041	28	50	21145
5/16"	45/64	4216	7/8"	1-45/64	13990	10	18	4653	36	60	38104
3/8"	53/64	4609	1"	1-61/64	17325	12	21	5084	42	72	46241
7/16"	61/64	4886	1.1/8"	2-1/8	22364	14	25	9775			
1/2"	1-5/64	5902	1.1/4"	2-5/16	26604	18	32	12238			
5/8"	1-21/64	9554	1.3/8"	2-1/2	32836	22	40	16310			

**HSS TAPER SHANK COUNTER BORE (INCH) BS 122 (PART 2) 1964**

Size (Inches)	Pilot Inches	Price	Each Rs.	Size (Inches)	Pilot Inches	Price	Each Rs.	Size (Inches)	Pilot Inches	Price	Each Rs.
1/4"	1/8"		1566	11/16"	7/16"		3644	1.1/4"	3/4"		10205
5/16"	3/16"		1782	3/4"	1/2"		4095	1.3/8"	13/16"		12464
3/8"	7/32"		1989	13/16"	9/16"		4541	1.1/2"	7/8"		14479
7/16"	1/4"		2057	7/8"	5/8"		5163	1.5/8"	15/16"		16596
1/2"	5/16"		2316	15/16"	5/8"		6068	1.3/4"	1"		18802
9/16"	3/8"		2880	1"	3/4"		7174	1.7/8"	1.1/8"		20887
5/8"	7/16"		3215	1.1/8"	3/4"		8879	2"	1.1/4"		23063

**HSS TAPER SHANK COUNTER BORE IS 5710-1988 (METRIC SIZES)**

Size mm	Price each Rs.	Size mm	Price each Rs.	Size mm	Price each Rs.	Size mm	Price each Rs.
13.5	2640	23	5926	34	12464	48	21194
14.5		25	7174	36	13547	51	23924
16.5	3388	26	7951	37	14117	53	25992
17.5	3644	28	8879	39	15296	55	28611
19.5	4303	29	9360	41	16588	57	31435
20	4510	31	10205	43	17149	59	34832
22	5163	33	11692	46	19525	61	38807

**ADDISON CARBIDE TIPPED TAPER SHANK TWIST DRILLS**

Size mm	Size Inch	Price Each Rs.	Size mm	Size Inch	Price Each Rs.	Size mm	Size Inch	Price Each Rs.
10	3/8, 25/64	1462	15	19/32	2361	23	29/32	4209
10.5		1636	16	5/8	2554	24	15/16	4417
11	13/32, 27/64	1636	17	21/32, 11/16	2748	25	31/32	4579
11.5	7/16, 29/64	1788	18	23/32	2987	26	1" 1.1/32	5627
12	15/32	1788	19		3194	27	1, 1/16	5810
13	31/64, 1/2	1942	20	25/32, 3/4	3674	28	1.3/32	6117
	17/32	2223	21	13/16, 27/32	3805	29	1.1/8, 1.5/32	6347
14	9/16	2223	22	7/8	3986	30	1.3/16	6533

**CARBIDE TIPPED DRILLS (ST. SHANK)**

Size	1/8	9/64	5/32	11/64	3/16	13/64	7/32	15/64		
Rs.	541	559	561	561	613	613	620	652		
Size	1/4	17/64	9/32	19/64	5/16	21/64	11/32	23/64		
Rs.	663	675	718	736	736	760	784	838		
Size	3/8	25/64	13/32	27/64	7/16	29/64	15/32	31/64		
Rs.	842	842	913	926	960	960	1036	1150		
Size	1/2	17/32	9/16	19/32	5/8	21/32	11/16	23/32	3/4	25/32
Rs.	1150	1362	1362	1526	1757	1847	1847	2033	2319	2629
Size	3mm	3.5mm	4mm	4.5mm	5 mm	5.5mm				
Rs.	541	559	561	561	613	620				
Size	6mm	6.5mm	7mm	7.5mm	8.0mm	8.5mm				
Rs.	652	663	718	736	736	760				
Size	9mm	10mm	10.5mm	11mm	11.5mm	12mm	13mm	14mm		
Rs.	784	842	913	926	960	1036	1150	1362		
Size	15mm	16mm	17mm	18mm	19mm	20mm				
Rs.	1526	1757	1847	2033	2319	2629				

**H.S.S. CONVEX CUTTER IS 6323 – 1982 & 6323 - 1971**

DIA(mm)	WIDTH	RADIUS	Price	DIA(mm)	WIDTH	RADIUS	Price
50	3	1.5	3581	90	18	9	7864
50	3.2	1.6	3581	90	20	10	8281
50	4	2	3581	90	22	11	9127
56	5	2.5	4239	90	24	12	9780
56	6	3	4239	90	25	12.5	10111
63	5	2.5	4499	100	20	10	9937
63	6	3	4499	100	24	12	10964
63	6.3	3.15	4499	100	25	12.5	11594
63	8	4	4499	100	28	14	12472
63	10	5	4959	110	32	16	15774
70	12	6	5346	110	36	18	20823
70	14	7	5883	125	32	16	19165
70	16	8	5883	125	40	20	23092
80	12	6	5899				
80	12.6	6.3	5899				
80	16	8	6475				

**HSS SHELL END MILLS BS:122 (PART 1)1953**

**HSS SHELL END MILLS IS:6257 – 1982**

DIA	LENGTH	BORE	Price each	DIA MM	LENGTH	BORE	PRICE EAC
1.1/4"	1"	1/2"	3186				
1.1/2"	1.1/8"	1/2"	3897	40	32	16	4631
1.3/4"	1.1/4"	3/4"	4631				
2"	1.3/8"	3/4"	5264				
2.1/4"	1.1/2"	1"	6348				
2.1/2"	1.5/8"	1"	7383				
2.3/4"	1.5/8"	1"	8394	63	40	27	7413
3"	1.3/4"	1.1/4"	9772				
3.1/2"	1.7/8"	1.1/4"	12185	80	45	27	10953
4"	2.1/4"	1.1/2"	17921				
4.1/2"	2.1/4"	1.1/2"	21484				
5"	2.1/4"	1.1/2"	28037				
5.1/2"	2.1/4"	2"	32797				
6"	2.1/4"	2"	37827				

**H.S.S. CONVEX & CONCAVE CUTTER BC:122 PART I - 1953**

DIA	D.O.C	Bore	Convex Price	Concave Price	DIA	D.O.C.	Bore	Convex Price	Concave Price
			Each	Each				Each	Each
			Rs.p.	Rs.p.				Rs.p.	Rs.p.
2.1/4"	1/8"	1"	3810	4499	3"	3/4"	1"	6873	9925
2.1/4"	3/16"	1"	4063	4664	3.1/4"	13/16"	1"	7776	11876
2.1/4"	1/4"	1"	4246	4970	3.1/4"	7/8"	1"	8281	12075
2.1/2"	5/16"	1"	4499	5445	3.1/2"	15/16"	1"	9275	14130
2.1/2"	3/8"	1"	4793	5904	3.1/2"	1"	1"	9780	14330
2.1/2"	7/16"	1"	4968	6377	4"	1.1/8"	1.1/4"	12472	17519
2.1/2"	1/2"	1"	5349	6801	4"	1.1/4"	1.1/4"	13728	18696
2.3/4"	9/16"	1"	5445	7978	4.1/4"	1.3/8"	1.1/4"	18893	24637
2.3/4"	5/8"	1"	5911	8180	4.1/4"	1.1/2"	1.1/4"	20438	28233
3"	11/16"	1"	6557	9772					

**CUTTER NO.1 TO CUT 9 TO 12 TEETH - 2 TO CUT 13 TO 19 TEETH 3 TO CUT 20 & ABOVE TEETH H. S. S.**

**CENTRE DRILLS H. S. S. CENTRE DRILL**

**TYPE 'A'**

**TYPE 'B'**

**(B5: 328 Part II 1950)**

**(15:6708 OF 1977)**

**(15:6709 OF 1977)**

Size No	Pilot DIA Inches	Body DIA Inches	Price Each Rs.	Pilot DIA MM	Body DIA MM	Price Each Rs.	Pilot DIA MM	Body DIA MM	Price Each Rs.
B5-1	3/64"	1/8"	182	1	3,15	182	1.6	6.3	372
B5-2	1/16"	3/16"	182	1,25	3.15	182	2	8	526
B5-3	3/32"	1/4"	210	1.6	4	182	2.5	10	670
B5-4	1/8"	5/16"	326	2	5	182	3.15	11.2	892
B5-5	3/16"	7/16"	424	2.5	6.3	210	4	14	1195
B5-6	1/4"	5/8"	799	3.15	8	326	5	18	1707
B5-7	5/16"	3/4"	1233	4	10	399	6.3	20	2011
				5	12.5	675	8	25	2602
				6.3	16	799			
				8	20	1233			
				10	25	1588			

**H.S.S. CENTRE REAMERS (60 or 90 Degrees) BS: 122 (PART 2) 1964**

DIA	Price Each	1/4"	3/8"	1/2"	5/8"	3/4"
		1052	1210	1492	2028	2493

**H.5.S. COUNTER SINK WITH TAPER SHANK (60 Deg. and 90 deg.) BS122 (Part II) 1964**

Size Inches	Price Each Rs.	Size Inches	Price Each Rs.	Size Inches	Price Each Rs.
1/2"	1738	1.1/8"	5371	2"	16140
5/8"	2308	1.1/4"	6761	2.1/4"	18300
3/4"	2616	1.3/8"	7905	2.1/2"	22710
7/8"	3303	1.1/2"	9367	2.3/4"	26805
1"	4155	1.3/4"	13851	3"	32418



**H.S.S. TAPER SHANK CORE DRILLS IS : 5366 - 1978 BS 328 (PART I) - 1959**

Size mm	Inch	Price Each Rs.	Size mm	Inch	Price Each Rs.	Size mm	Inch	Price Each Rs.
9		1185	22		3721		1.3/8"	12745
	3/8"	1273		7/8"	3948	35		12745
10		1273	23		4180		1.13/32"	13708
	13/32"	1273		29/32"	4180	36		13708
11		1275		15/16"	4562		1.7/16"	14461
	7/16"	1275	24		4788	37		14461
	15/32"	1364		31/32"	4788		1.15/32"	14872
12		1364	25		5541	38		15912
	1/2"	1440		1"	5541		1.1/2"	15912
13		1949	26		5979	39		17448
	17/32"	2134		1.1/32"	5979		1.9/16"	17448
14		2134		1.1/16"	6601	40		17448
	9/16"	2195	27		6601	41		19231
15		2290		1.3/32"	6852		1.5/8"	19231
	19/32"	2290	28		7258	42		19801
	5/8"	2343		1.1/8"	7261		1.11/16"	20437
16		2343	29		7600	43		20437
	21/32"	2468		1.5/32"	7600	44		21602
17		2468	30		8072		1.3/4"	21602
	11/16"	2665		1.3/16"	8072	45		22365
18		2867		1.7/32"	8378	46		23194
	23/32"	2867	31		9420		1.13/16"	23194
19		3278		1.1/4"	9834	47		24102
	3/4"	3278	32		10777		1.7/8"	25345
	25/32"	3291		1.9/32"	10777	48		25345
20		3291	33		11003	49		27064
	13/16"	3521		1.5/16"	11003		1.15/16"	27064
21		3521	34		12068	50		29123
	27/32"	3721		1.11/32"	12068		2"	32203

**H.S.S. INVOLUTE GEAR CUTTER BS 2518 OF 1954**

20" P.A./14.1/2P.A.1" BORE NO.1 TO 8 PRICE FOR EACH NO.

<b>D.P.</b>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
<b>PRICE</b>	8697	5798	4612	4082	3694	3419	3386	3102	3102
<b>D.P.</b>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>18</u>	<u>20</u>	<u>22</u>	<u>24</u>	<u>26</u>
<b>PRICE</b>	3056	2764	2764	2764	2530	2530	2408	2408	2408
<b>D.P.</b>	<u>28</u>	<u>30</u>							
<b>PRICE</b>	2408	2408							
<b>Module</b>	<u>0.5mm</u>	<u>0.75mm</u>	<u>1.00mm</u>	<u>1.25mm</u>	<u>1.50mm</u>	<u>1.75mm</u>	<u>2.00mm</u>	<u>2.25mm</u>	<u>2.50mm</u>
<b>Price</b>	2408	2408	2408	2529	2764	2764	3102	3102	3419
	<u>3.00mm</u>	<u>3.25mm</u>	<u>3.50mm</u>	<u>3.75mm</u>	<u>4.00mm</u>	<u>4.50mm</u>	<u>5.00mm</u>	<u>5.50mm</u>	<u>6.00mm</u>
	3694	3883	4082	4612	4612	5521	5798	6962	8697
<b>Cutter</b>	<u>No.1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
<b>To Cut</b>	<u>135 rake</u>	<u>55-135</u>	<u>35-54</u>	<u>26-34</u>	<u>21-25</u>	<u>17-20</u>	<u>14-16</u>	<u>13-12</u>	
<b>Teeth</b>									

**HIGH POWER CYLINDRICAL CUTTER (8S:122 PART 1- 1953)**

	Width Bore	1"	2"	3"	4"	5"	6"	7"	8"
2.1/2"	1"	3992	5911	7864	9798	11814	13826	15774	18470
3"	1.1/4"	5034	7747	10524	13377	18810	23957	27949	31925
3.1/2"	1",1.1/4"	5579	9302	12989	16722	24591	29263	33992	38723
4"	1.1/4" .1.1/2"	7054	12349	17630	22470	31198	36473	43483	49529
4.1/2"	1.1/2".2"	10171	17080	24126	31601	38906	46236	54140	61007

**H.S.CYLINDRICAL CUTTERS IS: 6309 - 1982**

Dia mm	mm	Price Each	Dia mm	Width mm	Price Each	Dia mm	Width mm	Price Each
40	20	2449	63	(32)	4468	100	(40)	9869
	32	3061		50	5632		70	14947
	50	3810		70	7413		90	18520
	70	5108		(90)	8704		(110)	26017
50	25	3137	80	(36)	6313	100	125	31694
	40	3715		63	10036	125	(50)	22277
	63	4866		80	11876		80	31601
	80	6313		100	13672		(110)	42528

**H.S.S SINGLE ANLE  
(BS – 122 PART – I 1953)**

DIA	WIDTH	BORE	DEGREE	PRICE
2.3/4"	5/16"	1"	30	3361
2.3/4"	7/16"	1"	40	3684
2.3/4"	1/2"	1"	45 TO 80	3897
2.3/4"	5/8"	1"	50 TO 80	4342
3"	5/16"	1"&1.1/4"	30	3715
3"	7/16"	1"&1.1/4"	40	4202
3"	1/2"	1"&1.1/4"	45 TO 80	4400
3"	5/8"	1"&1.1/4"	50 TO 80	4893

**METRIC SIZE (SI:6324 – 1971)**

50	12	16	60 TO 85	2710
63	18	22	60 TO 85	4041
63	28	22	70 TO 80	4806
80	32	22	70 TO 80	6313
100	36	27	70 TO 80	9472

**H.S.S. EQUAL ANGLE  
(BS-122 PART I 1953)**

DIA	WIDTH	BORE	DEGREE	PRICE
2.3/4"	5/16"	1"	30,40	3361
2.3/4"	7/16"	1"	40	3516
2.3/4"	1/2 "	1"	45,60	3516
			90	3516
2.3/4"	5/8"	1"	60,90	3897
3"	5/16"	1&1.1/4	30,40	3715
3"	7/16"	1"&1.1/4"	40	3897
3"	1/2"	1"&1.1/4"	45 TO 80	3897
			90	3897
3"	5/8"	1 &1.1/4"	60,90	4267

**METRIC SIZE (IS:6326 – 1971)**

	10		45	2983
56	12	16	60	3119
	14		90	3361
	12		45	3361
63	16	22	60	3715
	18		90	3897
	16		45	4267
80	20	22	60	4631
	22		90	5034
	18		45	6203
100	25	27	60	7256
	28		90	7864

<b>MICRO GRAIN SOLID CARBIDE DRILLS &amp; MILLS</b>											
<b>PRICE LIST EFFECTIVE 01-04-2012 ( INCLUSIVE OF EXCISE DUTY)</b>											
<b>MICRO GRAIN SOLID CARBIDE DRILLS ( JOBBER SERIES)</b>											
<b>TYPE OF TOOL : STRAIGHT SHANK TWIST DRILL SHANK</b>											
<b>DIMENSIONS ACCORDING TO : DIN 338 / IS 5101</b>				<b>SPIRAL ANGLE : 30°</b>				<b>POINT ANGLE : 118°</b>			
Drill Dia	Shank Dia	Flute Length	Overall Length	Price Each Rs.		Drill Dia	Shank Dia	Flute Length	Overall Length	Price Each Rs.	
				Uncoated	Coated					Uncoated	Coated
(mm)	(mm)	(mm)	(mm)			(mm)	(mm)	(mm)	(mm)		
1	1	12	34	786	881	4.5	4.5	47	80	1313	1469
1.1	1.1	14	36	786	881	4.6	4.6	47	80	1313	1469
1.2	1.2	16	38	786	881	4.7	4.7	47	80	1313	1469
1.3	1.3	16	38	786	881	4.8	4.8	52	86	1435	1606
1.4	1.4	18	40	786	881	4.9	4.9	52	86	1435	1606
1.5	1.5	18	40	786	881	5	5	52	86	1497	1677
1.6	1.6	20	43	793	889	5.1	5.1	52	86	1506	1687
1.7	1.7	20	43	793	889	5.2	5.3	52	86	1562	1748
1.8	1.8	22	46	793	889	5.3	5.3	52	86	1614	1808
1.9	1.9	22	46	793	889	5.4	5.4	57	93	1668	1866
2	2	24	49	793	889	5.5	5.5	57	93	1628	1823
2.1	2.1	24	49	910	1019	5.6	5.6	57	93	1741	1950
2.2	2.2	27	53	910	1019	5.7	5.7	57	93	1761	1972
2.3	2.3	27	53	910	1019	5.8	5.8	57	93	1787	1999
2.4	2.4	30	57	910	1019	5.9	5.9	57	93	1800	2016
2.5	2.5	30	57	910	1019	6	6	57	93	1748	1957
2.6	2.6	30	57	969	1084	6.1	6.1	63	101	2022	2263
2.7	2.7	33	61	969	1084	6.2	6.2	63	101	2022	2263
2.8	2.8	33	61	969	1084	6.3	6.3	63	101	2022	2263
2.9	2.9	33	61	969	1084	6.4	6.4	63	101	2266	2538
3	3	33	61	969	1084	6.5	6.5	63	101	2153	2412
3.1	3.1	36	65	1007	1128	6.6	6.6	63	101	2483	2780
3.2	3.2	36	65	1007	1128	6.7	6.7	63	101	2608	2923
3.3	3.3	36	65	1007	1128	6.8	6.8	69	109	2483	2780
3.4	3.4	39	70	1007	1128	6.9	6.9	69	109	2483	2780
3.5	3.5	39	70	1007	1128	7	7	69	109	2360	2641
3.6	3.6	39	70	1042	1167	7.1	7.1	69	109	2711	3035
3.7	3.7	39	70	1088	1220	7.2	7.2	69	109	2711	3035
3.8	3.8	43	75	1137	1271	7.3	7.3	69	109	2711	3035
3.9	3.9	43	75	1182	1323	7.4	7.4	69	109	2847	3187
4	4	43	75	1229	1375	7.5	7.5	69	109	2575	2885
4.1	4.1	43	75	1245	1395	7.6	7.6	75	117	2872	3218
4.2	4.2	43	75	1263	1413	7.7	7.7	75	117	2872	3218
4.3	4.3	47	80	1273	1425	7.8	7.8	75	117	2872	3218
4.4	4.4	47	80	1296	1451	7.9	7.9	75	117	2872	3218

**MICRO GRAIN SOLID CARBIDE DRILLS (JOBBER SERIES)**

**TYPE OF TOOL : STRAIGHT SHANK TWIST DRILL (2 FLUTE) DIMENSIONS ACCORDING TO DIN 338 / IS 5101**

**SPIRAL ANGLE 30°**  
**POINT ANGLE 118°**

Drill Dia (mm)	Shank Dia (mm)	Flute Length (mm)	Overall Length (mm)	Price Each Rs.		Drill Dia (mm)	Shank Dia (mm)	Flute Length (mm)	Overall Length (mm)	Price Each Rs.	
				Uncoated	Coated					Uncoated	Coated
8	8	75	117	2591	2900	11.7	11.7	94	142	6299	7054
8.1	8.1	75	117	3180	3561	11.8	11.8	94	142	6299	7054
8.2	8.2	75	117	3180	3561	11.9	11.9	101	151	6299	7054
8.3	8.3	75	117	3180	3561						
8.4	8.4	75	117	3515	3936	12	12	101	151	6299	7054
						12.1	12.1	101	151	9082	11275
8.5	8.5	75	117	3180	3561	12.2	12.2	101	151	9684	11878
8.6	8.6	81	125	3798	4255	12.3	12.3	101	151	9684	11878
8.7	8.7	81	125	3798	4255	12.4	12.4	101	151	9684	11878
8.8	8.8	81	125	3798	4255						
8.9	8.9	81	125	3798	4255	12.5	12.5	101	151	9684	11878
						12.6	12.6	101	151	9684	11878
9	9	81	125	3648	4086	12.7	12.7	101	151	10139	12334
9.1	9.1	81	125	4337	4858	12.8	12.8	101	151	10139	12334
9.2	9.2	81	125	4337	4858	12.9	12.9	101	151	10139	12334
9.3	9.3	81	125	4337	4858						
9.4	9.4	81	125	4554	5100	13	13	101	151	10182	12376
						13.1	13.1	101	151	10197	12392
9.5	9.5	81	125	4554	5100	13.2	13.2	101	151	11072	13264
9.6	9.6	87	133	4592	5144	13.3	13.3	108	160	11072	13264
9.7	9.7	87	133	4592	5144	13.4	13.4	108	160	11072	13264
9.8	9.8	87	133	4592	5144						
9.9	9.9	87	133	4981	5576	13.5	13.5	108	160	11072	13264
						13.6	13.6	108	160	11072	13264
10	10	87	133	4728	4997	13.7	13.7	108	160	11409	13601
10.1	10.1	87	133	4728	4997	13.8	13.8	108	160	11409	13601
10.2	10.2	87	133	4723	5292	13.9	13.9	108	160	11409	13601
10.3	10.3	87	133	4723	5292						
10.4	10.4	87	133	4723	5292	14	14	108	160	11616	13809
						14.5	14.5	114	169	13188	15381
10.5	10.5	87	133	5074	5683	15	15	114	169	13393	15586
10.6	10.6	87	133	5074	5683	15.5	15.5	120	178	16849	19042
10.7	10.7	94	142	5248	5878	16	16	120	178	16258	18451
10.8	10.8	94	142	5248	5878						
10.9	10.9	94	142	5248	5878	16.5	16.5	125	184	16169	19690
						17	17	125	184	18117	21615
11	11	94	142	5248	5878	17.5	17.5	130	191	18578	22099
11.1	11.1	94	142	5688	6487	18	18	130	191	18910	22428
11.2	11.2	94	142	5688	6487	18.5	18.5	135	198	22793	26311
11.3	11.3	94	142	5688	6487						
11.4	11.4	94	142	5688	6487	19	19	135	198	24538	28058
11.5	11.5	94	142	5688	6487	19.5	19.5	140	205	25422	28942
11.6	11.6	94	142	6299	7054	20	20	140	205	26091	29610

MICRO GRAIN SOLID CARBIDE END MILLS (2 FLUTES/4 FLUTES) (STANDARD SERIES) 30° RH HELIX ANGLE WITH CENTRE CUTTING

DIA MM	SH.DIA MM	CEL MM	OAL MM	UNCOATED PRICE EACH RS.	COATED PRICE EACH RS.	UNCOATED PRICE EACH RS.	COATED PRICE
3	3	12	38	675	827	810	962
3.5	4	12	50	930	1081	1117	1269
4	4	14	50	930	1081	1117	1269
4.5	5	16	50	1169	1321	1407	1560
5	5	16	50	1169	1359	1407	1598
6	6	19	50	1226	1417	1474	1664
7	7	19	63	1331	1622	1598	1889
8	8	20	63	1384	1676	1661	1951
9	9	22	75	2073	2365	2485	2777
10	10	22	75	2582	2873	3100	3392
11	11	25	75	2844	3136	3414	3707
12	12	25	75	3134	3425	3767	4058
14	14	32	89	5323	5862	7097	7637
16	16	32	89	5958	6497	7151	7690
18	18	38	100	8797	9623	10519	11387
20	20	38	100	12678	13503	15219	16042
25	25	38	100	16604	18633	19927	21956

MICRO GRAIN SOLID CARBIDE END MILLS ( 2 FLUTES / 4 FLUTES )  
 ( LONG SERIES ) 30° RH HELIX ANGLE WITH CENTRE CUTTING

DIA MM	SH.DIA MM	CEL MM	OAL MM	UNCOATED PRICE EACH RS.	COATED PRICE EACH RS.	UNCOATED PRICE EACH RS.	COATED PRICE
3	3	25	75	1360	1512	1634	1785
4	4	25	75	1536	1688	1846	1999
5	5	25	75	1708	1899	2050	2240
6	6	25	75	1781	1972	2144	2333
8	8	25	75	1966	2257	2358	2651
10	10	38	100	3137	3562	3766	4190
12	12	50	100	4488	4913	5636	6060
12	12	75	150	9137	9961	9916	10741
14	14	75	150	11019	12033	13226	14241
16	16	75	150	13826	14840	16595	18495
18	18	75	150	17309	18926	20767	22385
20	20	75	150	23021	24638	27632	29249
25	25	75	150	27626	31619	33153	37146

**HSS TOOL H O L D E R    B I T S   S Q U A R E**

Size Inch	MM	M2	Price M 35	M42	T42	T 42-C
3/16 x 3	5 x 75	116	207	270	284	296
3/16 x 4	5 x 100	152	303	396	415	436
3/16 x 6	5 x 150	235	552	846	892	892
1/4 x 3	6 x 75	133	262	362	381	402
1/4 x 4	6 x 100	157	358	483	509	529
1/4 x 6	6x 150	223	583	789	832	860
1/4 x 8	6x200	321	965	1339	1409	1476
5/16 x 3	8x 75	146	342	469	494	525
5/16 x 4	8x 100	192	472	641	673	716
5/16 x 6	8x 150	316	754	1032	1082	1151
5/16 x 8	8x 200	402	1075	1458	1535	1637
3/8 x 3	-	187	398	554	585	625
3/8 x 4	-	223	534	734	773	835
3/8 x 6	-	347	844	1181	1240	1321
3/8x8	-	477	1200	1675	1763	1878
3/8 x 10	-	611	1590	2219	2335	2486
-	10 x 75	204	436	604	635	680
-	10 x 100	244	583	814	853	912
-	10 x 150	378	912	1274	1338	1420
-	10 x 200	526	1284	1789	1883	2004
-	10 x 250	668	1697	2367	2485	2643
1/2 x 3	12 x 75	275	631	904	954	992
1/2 x 4	12 x 100	347	844	1181	1242	1329
1/2 x 6	12 x 150	533	1298	1854	1955	2042
1/2 x 8	12 x 200	702	1817	2589	2724	2848
1/2 x 10	12 x 250	1067	2544	3563	3752	3978
5/8 x 4	16 x 100	554	1392	1989	2093	2178
5/8 x 6	16 x 150	816	2093	2915	3067	3263
5/8 x 8	16 x 200	1103	2860	4084	4304	4468
3/4 x 4	-	764	1936	2734	2878	3031
3/4 x 6	-	1118	2901	4010	4224	4542
3/4 x 8	-	1531	3889	5498	5784	6093
-	20 x 100	835	2110	2982	3139	3299-
-	20 x 150	1219	3159	4469	4704	4953
-	20 x 200	1664	4212	5960	6279	6602
1x6	25 x 150	1887	4819	6733	7086	7527
1x8	25 x 200	2564	6426	8977	9445	10045

**M.O.Q. - For all sizes - 50 nos. Each**

Fractional		Fractional		Fractional		Fractional		Fractional	
Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
1/64	0.3969	53/64	21.0344	1.41/64	41.672	2.29/64	62.309	3.17/64	82.947
1/32	0.7938	27/32	21.4312	1.21/32	42.069	2.15/32	62.706	3.9/32	83.344
3/64	1.1906	55/64	21.8281	1.43/64	42.466	2.31/64	63.103	1.19/64	83.741
1/16	1.5875	7/8	22.225	1.11/16	42.863	2.1/2	63.500	3.5/16	84.138
5/64	1.9844	57/64	22.62190	1.45/64	43.259	2.33/64	63.896	3.21/64	84.534
3/32	2.3812	29/32	23.0188	1.23/32	43.656	2.17/32	64.294	3 11/32	84.931
7/64	2.7781	59/64	23.4156	1.47/64	44.053	2.35/64	64.691	323/64	85.328
1/8	3.175	15/16	23.8125	1.3/4	44.450	2.9/16	65.088	33/8	85.725
9/64	3.5719	61/64	24.2094	1.49/64	44.847	2.37/64	65.484	3.25/64	86.122
5/32	3.9688	31/32	24.6062	1.25/32	45.244	2.19/32	65.881	3.13/32	86.519
11/64	4.3656	63/64	25.0031	1.51/64	45.641	2.39/64	66.278	3.27/64	86.916
3/16	4.7625	1	25.4	1.13/16	46.308	2.5/8	66.675	3.7/16	87.313
13/64	5.1594	1.1/64	25.797	1.53/64	46.434	2.41/64	67.072	3.29/64	87.709
7/32	5.5562	1.1/32	26.194	1.27/32	46.831	2.21/32	67.469	3.15/32	88.106
15/64	5.9531	1.3/64	26.591	1.55/64	47.228	2.43/64	67.866	3.31/64	88.503
1/4	6.35	1.1/16	26.988	1.7/8	47.625	2.11/16	68.263	3.1/2	88.900
17/64	6.7469	1.5/64	27.384	1.57/64	48.022	2.45/64	68.659	3.33/64	89.297
9/32	7.1438	1.3/32	27.781	1.29/32	48.419	2.23/32	69.056	3.17/32	89.694
19/64	7.5406	1.7/64	28.178	1.59/64	48.816	2.47/64	69.453	3.35/64	90.091
5/16	7.9375	1.1/8	28.565	1.15/16	49.213	2.3/4	69.850	3.9/16	90.488
21/64	8.3344	1.9/64	28.792	1.61/64	49.609	2.49/64	70.247	3.37/64	90.884
11/32	8.7312	1.5/32	29.369	1.31/32	50.006	2.25/32	70.644	3.19/32	91.281
23/64	9.1281	1.11/64	29.766	1.63/64	50.403	2.51/64	71.041	3.39/64	91.678
3/8	9.525	1.3/16	30.163	2	50.800	2.13/16	71.438	3.5/8	92.075
25/64	9.9219	1.13/64	30.559	2.1/64	51.197	2.53/64	71.834	3.41/64	92.472
13/32	10.3188	1.7/32	30.956	2.1/32	51.594	2.27/32	72.231	3.21/32	92.869
27/64	10.7156	1.15/64	31.353	2.3/64	51.991	2.55/64	72.628	3.43/64	93.266
7/16	11.1125	1.1/4	31.750	2.1/16	52.388	2.7/8	73.025	3.11/16	93.663
29/64	11.5094	1.17/64	32.147	2.5/64	52.784	2.57/64	73.422	3.45/64	94.059
15/32	11.9062	1.9/32	32.544	2.3/32	53.181	2.29/32	73.819	3.23/32	94.456
31/64	12.3031	1.19/64	32.941	2.7/64	53.578	2.59/64	74.216	3.47/64	94.853
1/2	12.7	1.5/16	33.338	2.1/8	53.975	2.15/16	74.613	3.3/4	95.250
33/64	13.0969	1.21/64	33.734	2.9/64	54.372	2.61/64	75.009	3.49/64	95.647
17/32	13.4938	1.11/32	34.131	2.5/32	54.769	2.31/32	75.406	3.25/32	96.044
35/64	13.8906	1.23/64	34.528	2.11/64	55.166	2.63/64	75.803	3.51/64	96.441
9/16	14.2875	1.3/8	34.925	2.3/16	55.563	3	76.200	3.13/16	96.838
37/64	14.6844	1.25/64	35.322	2.13/64	55.959	3.1/64	76.597	3.53/64	97.234
19/32	15.0812	1.13/32	35.719	2.7/32	56.356	3.1/32	76.994	3.27/32	97.631
39/64	15.4781	1.27/64	36.116	2.15/64	56.753	3.3/64	77.391	3.55/64	98.028
5/8	15.875	1.7/16	36.513	2.1/4	57.150	3.1/16	77.788	3.7/8	98.425
41/64	16.2719	1.29/64	36.909	2.17/64	57.547	3.5/64	78.184	3.57/64	98.822
21/32	16.6688	1.15/32	37.306	2.9/32	57.944	3.3/32	78.581	3.29/32	99.219
43/64	17.0656	1.31/64	37.703	2.19/64	58.341	3.7/64	78.978	3.59/64	99.616
11/16	17.4625	1.1/2	38.100	2.5/16	58.738	3.1/8	79.375	3.15/16	100.013
45/64	17.8594	1.33/64	38.497	2.21/64	59.134	3.9/64	79.772	3.61/64	100.409
23/32	18.2562	1.17/32	38.894	2.11/32	59.531	3.5/32	80.169	3.31/32	100.806
47/64	18.6531	1.35/64	39.291	2.23/64	59.928	3.11/64	80.566	3.63/64	101.203
3/4	19.05	1.9/16	39.688	2.3/8	60.325	3.3/16	80.963	4	101.600
49/64	19.4469	1.37/64	40.084	2.25/64	60.722	3.13/64	81.359		
25/32	19.8438	1.19/32	40.481	2.13/32	61.119	3.7/32	81.756		
51/64	20.2406	1.39/64	40.878	2.27/64	61.516	3.15/64	82.153		
13/16	20.6375	1.5/8	41.275	2.7/16	61.913	3.1/4	82.550		

	B.S.W.		B.S.F		U.N.C.		U.N.F.		BSP/BSPT		NPT / NPS	
	TPI	Drill Size	TPI	Drill Size	TPI	Drill Size	TPI	Drill Size	TPI	Drill Size	TPI	Drill Size
1/16	60	NO.55	-	-	-	-	-	-	-	-	27	1
3/32	48	No.48	-	-	-	-	-	-	-	-	-	-
1/8	40	2.55M	-	-	-	-	-	-	28	8.75	27	9.3
5/32	32	3/1M	-	-	-	-	-	-	-	-	-	-
3/16	24	3.7M	32	5/32	-	-	-	-	-	-	-	-
7/32	24	11./64	28	4.65	-	-	-	-	-	-	-	-
1/4	20	5.1M	26	5.3	20	NO.7	28	5.5	19	11.8	18	12M
9/32	20	1	26	B	-	-	-	-	-	-	-	-
5/16	18	6.5	22	6.75	18	F	24	6.9	-	-	-	-
3/8	16	5/16	20	8.25	16	5.16	24	Q	19	15.25	18	15.5
7/16	14	9.25	18	9.7	14	U	20	W	-	-	-	-
1/2	12	10.5	16	7/16	13	27/64	20	29/64	14	3/4	14	49/64
9/16	12	12.10	16	1/2	12	12M	18	12.75	-	-	-	-
5/8	11	13.5	14	14M	11	17/32	18	14.5	14	53/64	-	-
11/16	11	19/32	14	3964	-	-	-	-	-	-	-	-
3/4	10	41/64	12	16.75	10	16.5	16	11.16	14	24.5	14	31/32
13/16	10	19.25	12	23.32	-	-	-	-	-	-	-	-
7/8	9	19.25	11	25/32	9	49/64	14	51/64	14	28.25	-	-
15/16	9	21M	11	21.5	-	-	-	-	-	-	-	-
1"	8	22M	10	22.75	8	7/8	12	29/32	1	30.75	11.1/2	31M
1.1/8	7	24.75	9	25.5	7	25M	12	1.1/32	-	-	-	-
1.1/4	7	1.3/32	9	28.75	7	28M	12	29.5	11	39.5	11.1/2	1.9/16
1.3/8	6	1.3/16	8	31.5	6	1.31/64	12	1.9/32	-	-	-	-
1.1/2	6	33.5	8	1.23/64	6	1.21/64	12	36M	11	1.25/32	11.1/2	1.51/64
1.5/8	5	1.27/64	8	1.1/2	-	-	-	-	-	-	-	-
1.3/4	5	39M	7	1.39/64	5	39M	-	-	11	51.5	-	-
1.7/8	4.1/2	1.21/32	7	44M	-	-	-	-	-	-	-	-
2"	4.1/2	44.5	7	1.55/64	4.5	1.55/64	-	-	11	2.1/4	11.1/2	2.9/32

**CERATIZIT - Carbide Cutting Tools / Wear part**

Carbide Tips / Inserts / Milling Cutter / Holder / CNC Collect Chuck / Collect / Solid Carbide Rod