

SOLID CARBIDE DRILLS
(DIN 338/IS 5101)



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
1.0	1.0	12	34		
1.1	1.1	14	36		
1.2	1.2	16	38		
1.3	1.3	16	38		
1.4	1.4	18	40		
1.5	1.5	18	40		
1.6	1.6	20	43		
1.7	1.7	20	43		
1.8	1.8	22	46		
1.9	1.9	22	46		
2.0	2.0	24	49		
2.1	2.1	24	49		
2.2	2.2	27	53		
2.3	2.3	27	53		
2.4	2.4	30	57		
2.5	2.5	30	57		
2.6	2.6	30	57		
2.7	2.7	33	61		
2.8	2.8	33	61		
2.9	2.9	33	61		
3.0	3.0	33	61		
3.1	3.1	36	65		
3.2	3.2	36	65		
3.3	3.3	36	65		
3.4	3.4	39	70		
3.5	3.5	39	70		
3.6	3.6	39	70		
3.7	3.7	39	70		
3.8	3.8	43	75		
3.9	3.9	43	75		
4.0	4.0	43	75		
4.1	4.1	43	75		
4.2	4.2	43	75		
4.3	4.3	47	80		
4.4	4.4	47	80		
4.5	4.5	47	80		
4.6	4.6	47	80		
4.7	4.7	47	80		
4.8	4.8	52	86		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
4.9	4.9	52	86		
5.0	5.0	52	86		
5.1	5.1	52	86		
5.2	5.3	52	86		
5.3	5.3	52	86		
5.4	5.4	57	93		
5.5	5.5	57	93		
5.6	5.6	57	93		
5.7	5.7	57	93		
5.8	5.8	57	93		
5.9	5.9	57	93		
6.0	6.0	57	93		
6.1	6.1	63	101		
6.2	6.2	63	101		
6.3	6.3	63	101		
6.4	6.4	63	101		
6.5	6.5	63	101		
6.6	6.6	63	101		
6.7	6.7	63	101		
6.8	6.8	69	109		
6.9	6.9	69	109		
7	7	69	109		
7.1	7.1	69	109		
7.2	7.2	69	109		
7.3	7.3	69	109		
7.4	7.4	69	109		
7.5	7.5	69	109		
7.6	7.6	75	117		
7.7	7.7	75	117		
7.8	7.8	75	117		
7.9	7.9	75	117		
8.0	8.0	75	117		
8.1	8.1	75	117		
8.2	8.2	75	117		
8.3	8.3	75	117		
8.4	8.4	75	117		
8.5	8.5	75	117		
8.6	8.6	81	125		



SOLID CARBIDE DRILLS
(DIN 338/IS 5101)



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
8.7	8.7	81	125		
8.8	8.8	81	125		
8.9	8.9	81	125		
9.0	9.0	81	125		
9.1	9.1	81	125		
9.2	9.2	81	125		
9.3	9.3	81	125		
9.4	9.4	81	125		
9.5	9.5	81	125		
9.6	9.6	87	133		
9.7	9.7	87	133		
9.8	9.8	87	133		
9.9	9.9	87	133		
10.0	10.0	87	133		
10.1	10.1	87	133		
10.2	10.2	87	133		
10.3	10.3	87	133		
10.4	10.4	87	133		
10.5	10.5	87	133		
10.6	10.6	87	133		
10.7	10.7	94	142		
10.8	10.8	94	142		
10.9	10.9	94	142		
11.0	11.0	94	142		
11.1	11.1	94	142		
11.2	11.2	94	142		
11.3	11.3	94	142		
11.4	11.4	94	142		
11.5	11.5	94	142		
11.6	11.6	94	142		
11.7	11.7	94	142		
11.8	11.8	94	142		
11.9	11.9	101	151		
12.0	12.0	101	151		
12.1	12.1	101	151		
12.2	12.2	101	151		
12.3	12.3	101	151		
12.4	12.4	101	151		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
12.5	12.5	101	151		
12.6	12.6	101	151		
12.7	12.7	101	151		
12.8	12.8	101	151		
12.9	12.9	101	151		
13.0	13.0	101	151		
13.1	13.1	101	151		
13.2	13.2	101	151		
13.3	13.3	108	160		
13.4	13.4	108	160		
13.5	13.5	108	160		
13.6	13.6	108	160		
13.7	13.7	108	160		
13.8	13.8	108	160		
13.9	13.9	108	160		
14.0	14.0	108	160		
14.5	14.5	114	169		
15.0	15.0	114	169		
15.5	15.5	120	178		
16.0	16.0	120	178		
16.5	16.5	125	184		
17.0	17.0	125	184		
17.5	17.5	130	191		
18.0	18.0	130	191		
18.5	18.5	135	198		
19.0	19.0	135	198		
19.5	19.5	140	205		
20.0	20.0	140	205		
20.5	20.5	140	205		
21.0	21.0	140	205		
21.5	21.5	150	205		
22.5	22.5	150	205		
23.0	23.0	150	210		
23.5	23.5	160	210		
24.0	24.0	160	210		
24.5	24.5	160	220		
25.0	25.0	160	220		



SOLID CARBIDE DRILLS
 (As per DIN 6539) - Stub Series



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
1.0	1.0	6	26		
1.1	1.1	7	28		
1.2	1.2	8	30		
1.3	1.3	8	30		
1.4	1.4	9	32		
1.5	1.5	9	32		
1.6	1.6	10	34		
1.7	1.7	10	34		
1.8	1.8	11	36		
1.9	1.9	11	36		
2.0	2.0	12	38		
2.1	2.1	12	38		
2.2	2.2	13	40		
2.3	2.3	13	40		
2.4	2.4	14	43		
2.5	2.5	14	43		
2.6	2.6	14	43		
2.7	2.7	16	46		
2.8	2.8	16	46		
2.9	2.9	16	46		
3.0	3.0	16	46		
3.1	3.1	18	49		
3.2	3.2	18	49		
3.3	3.3	18	49		
3.4	3.4	20	52		
3.5	3.5	20	52		
3.6	3.6	20	52		
3.7	3.7	20	52		
3.8	3.8	22	55		
3.9	3.9	22	55		
4.0	4.0	22	55		
4.1	4.1	22	55		
4.2	4.2	22	55		
4.3	4.3	24	58		
4.4	4.4	24	58		
4.5	4.5	24	58		
4.6	4.6	24	58		
4.7	4.7	24	58		
4.8	4.8	26	62		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
4.9	4.9	26	62		
5.0	5.0	26	62		
5.1	5.1	26	62		
5.2	5.3	26	62		
5.3	5.3	26	62		
5.4	5.4	28	66		
5.5	5.5	28	66		
5.6	5.6	28	66		
5.7	5.7	28	66		
5.8	5.8	28	66		
5.9	5.9	28	66		
6.0	6.0	28	66		
6.1	6.1	31	70		
6.2	6.2	31	70		
6.3	6.3	31	70		
6.4	6.4	31	70		
6.5	6.5	31	70		
6.6	6.6	31	70		
6.7	6.7	31	70		
6.8	6.8	34	74		
6.9	6.9	34	74		
7.0	7.0	34	74		
7.1	7.1	34	74		
7.2	7.2	34	74		
7.3	7.3	34	74		
7.4	7.4	34	74		
7.5	7.5	34	74		
7.6	7.6	37	79		
7.7	7.7	37	79		
7.8	7.8	37	79		
7.9	7.9	37	79		
8.0	8.0	37	79		
8.1	8.1	37	79		
8.2	8.2	37	79		
8.3	8.3	37	79		
8.4	8.4	37	79		
8.5	8.5	37	79		
8.6	8.6	40	84		



SOLID CARBIDE DRILLS
 (As per DIN 6539) - Stub Series



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
8.7	8.7	40	84		
8.8	8.8	40	84		
8.9	8.9	40	84		
9.0	9.0	40	84		
9.1	9.1	40	84		
9.2	9.2	40	84		
9.3	9.3	40	84		
9.4	9.4	40	84		
9.5	9.5	40	84		
9.6	9.6	43	89		
9.7	9.7	43	89		
9.8	9.8	43	89		
9.9	9.9	43	89		
10.0	10.0	43	89		
10.1	10.1	43	89		
10.2	10.2	43	89		
10.3	10.3	43	89		
10.4	10.4	43	89		
10.5	10.5	43	89		
10.6	10.6	43	89		
10.7	10.7	47	95		
10.8	10.8	47	95		
10.9	10.9	47	95		
11.0	11.0	47	95		
11.1	11.1	47	95		
11.2	11.2	47	95		
11.3	11.3	47	95		
11.4	11.4	47	95		
11.5	11.5	47	95		
11.6	11.6	47	95		
11.7	11.7	47	95		
11.8	11.8	47	95		
11.9	11.9	51	102		
12.0	12.0	51	102		
12.1	12.1	51	102		
12.2	12.2	51	102		
12.3	12.3	51	102		
12.4	12.4	51	102		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
12.5	12.5	51	102		
12.6	12.6	51	102		
12.7	12.7	51	102		
12.8	12.8	51	102		
12.9	12.9	51	102		
13.0	13.0	51	102		
13.1	13.1	51	102		
13.2	13.2	51	102		
13.3	13.3	54	107		
13.4	13.4	54	107		
13.5	13.5	54	107		
13.6	13.6	54	107		
13.7	13.7	54	107		
13.8	13.8	54	107		
13.9	13.9	54	107		
14.0	14.0	54	107		
14.5	14.5	56	111		
15.0	15.0	56	111		
15.5	15.5	58	115		
16.0	16.0	58	115		
16.5	16.5	60	119		
17.0	17.0	60	119		
17.5	17.5	62	123		
18.0	18.0	62	123		
18.5	18.5	64	127		
19.0	19.0	64	127		
19.5	19.5	66	131		
20.0	20.0	66	131		
20.5	20.5	70	140		
21.0	21.0	70	140		
21.5	21.5	75	140		
22.0	22.0	75	140		
22.5	22.5	80	150		
23.0	23.0	80	150		
23.5	23.5	80	150		
24.0	24.0	90	160		
24.5	24.5	90	160		
25.0	25.0	90	160		



SOLID CARBIDE INTERNAL COOLANT DRILLS
(As per DIN 6537K & shank as per DIN 6535 HA)



Dia mm	Shank	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
5.0	6.0	28	66		
5.1	6.0	28	66		
5.2	6.0	28	66		
5.5	6.0	28	66		
5.6	6.0	28	66		
5.8	6.0	28	66		
6.0	6.0	28	66		
6.1	8.0	34	79		
6.2	8.0	34	79		
6.3	8.0	34	79		
6.5	8.0	34	79		
6.6	8.0	34	79		
6.8	8.0	34	79		
6.9	8.0	34	79		
7.0	8.0	34	79		
7.1	8.0	41	79		
7.4	8.0	41	79		
7.5	8.0	41	79		
7.8	8.0	41	79		
8.0	8.0	41	79		
8.1	10.0	47	89		
8.4	10.0	47	89		
8.5	10.0	47	89		
8.6	10.0	47	89		
8.7	10.0	47	89		
8.8	10.0	47	89		
9.0	10.0	47	89		
9.3	10.0	47	89		
9.5	10.0	47	89		
9.6	10.0	47	89		
9.8	10.0	47	89		
10.0	10.0	47	89		
10.2	12.0	55	102		
10.4	12.0	55	102		
10.5	12.0	55	102		
10.6	12.0	55	102		
10.8	12.0	55	102		
11.0	12.0	55	102		
11.2	12	55	102		
11.5	12	55	102		
11.8	12	55	102		
12.0	12	55	102		
12.2	14	60	107		

Dia mm	Shank	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
12.3	14	60	107		
12.5	14	60	107		
12.7	14	60	107		
12.75	14	60	107		
12.8	14	60	107		
13.0	14	60	107		
13.1	14	60	107		
13.5	14	60	107		
13.8	14	60	107		
14.0	14	60	107		
14.3	16	65	115		
14.5	16	65	115		
14.75	16	65	115		
14.8	16	65	115		
15.0	16	65	115		
15.1	16	65	115		
15.5	16	65	115		
15.8	16	65	115		
16.0	16	65	115		
16.5	18	73	123		
16.75	18	73	123		
16.8	18	73	123		
17.0	18	73	123		
17.5	18	73	123		
17.8	18	73	123		
18.0	18	73	123		
18.5	20	79	131		
18.8	20	79	131		
19.0	20	79	131		
19.5	20	79	131		
19.8	20	79	131		
20.0	20	79	131		
20.5	20	85	140		
21.0	20.0	85	140		
21.5	20.0	90	140		
22.0	20.0	90	150		
22.5	20.0	90	150		
23.0	20.0	100	150		
23.5	20.0	100	160		
24.0	20.0	100	160		
24.5	22.0	100	160		
25.0	22.0	100	160		



SOLID CARBIDE INTERNAL COOLANT DRILLS
(As per DIN 6537K & shank as per DIN 6535 HA)



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
5.0	6	44	82		
5.1	6	44	82		
5.2	6	44	82		
5.5	6	44	82		
5.55	6	44	82		
5.8	6	44	82		
6.0	6	44	82		
6.1	8	53	91		
6.2	8	53	91		
6.3	8	53	91		
6.5	8	53	91		
6.6	8	53	91		
6.8	8	53	91		
6.9	8	53	91		
7.0	8	53	91		
7.1	8	53	91		
7.4	8	53	91		
7.50	8	53	91		
7.8	8	53	91		
8.0	8	53	91		
8.1	10	61	103		
8.4	10	61	103		
8.5	10	61	103		
8.6	10	61	103		
8.7	10	61	103		
8.8	10	61	103		
8.0	10	61	103		
9.3	10	61	103		
9.5	10	61	103		
9.6	10	61	103		
9.8	10	61	103		
10.0	10	61	103		
10.2	12	71	118		
10.4	12	71	118		
10.5	12	71	118		
10.6	12	71	118		
10.8	12	71	118		
11.0	12	71	118		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
11.2	12	71	118		
11.5	12	71	118		
11.8	12	71	118		
12.0	12	71	118		
12.2	14	77	124		
12.3	14	77	124		
12.5	14	77	124		
12.7	14	77	124		
12.75	14	77	124		
12.8	14	77	124		
13.0	14	77	124		
13.1	14	77	124		
13.5	14	77	124		
13.8	14	77	124		
14.0	14	77	124		
14.25	16	83	133		
14.5	16	83	133		
14.75	16	83	133		
14.8	16	83	133		
15.0	16	83	133		
15.1	16	83	133		
15.5	16	83	133		
15.8	16	83	133		
16.0	16	83	133		
16.5	18	93	143		
16.75	18	93	143		
16.8	18	93	143		
17.0	18	93	143		
17.5	18	93	143		
17.8	18	93	143		
18.0	18	93	143		
18.5	20	101	153		
18.8	20	101	153		
19.0	20	101	153		
19.5	20	101	153		
19.8	20	101	153		
20.0	20	101	153		



SOLID CARBIDE STEP DRILLS FOR PRODUCTION OF TAPPING DRILL HOLES



For Tap Size	Drill Dia mm	Shank Dia mm	Total Length	Step Length	Price Each Rs.	
					Uncoated	Coated
M3A	2.50	6.0	62	8.8		
M3B	2.75	6.0	62	8.8		
M4A	3.30	6.0	62	11.4		
M4B	3.65	6.0	62	11.4		
M5A	4.20	6.0	66	13.5		
M5B	4.65	6.0	66	13.5		
M6A	5.00	8.0	79	16.5		
M6B	5.55	8.0	79	16.5		
M8A	6.80	10.0	89	21.0		
M8B	7.40	10.0	89	21.0		
M10A	8.50	12.0	102	25.5		
M10B	9.35	12.0	102	25.5		
M12A	10.2	14.0	107	30.0		
M12B	11.2	14.0	107	30.0		
M14A	12.0	16.0	115	34.5		
M14B	13.2	16.0	115	34.5		
M16A	14.0	18.0	123	38.5		
M16B	15.1	18.0	123	38.5		
M18A	15.5	20.0	131	43.5		
M18B	16.0	20.0	131	43.5		
M20A	17.5	22.0	147	47.5		
M20B	18.9	22.0	147	47.5		
M22	19.5	24.0	149	51.5		
M24	21.0	26.0	152	56.5		
M27	24.0	30.0	160	62.5		
M30	26.0	33.0	170	70.0		

Note: For other Tap size holes like UNC, UNF, etc. Prices on request



**SOLID CARBIDE INTERNAL COOLANT STEP DRILLS
FOR PRODUCTION OF TAPPING DRILL HOLES**



For Tap Size	Drill Dia mm	Shank Dia mm	Total Length	Step Length	Price Each Rs.	
					Uncoated	Coated
M3A	2.50	6.0	62	8.8		
M3B	2.75	6.0	62	8.8		
M4A	3.30	6.0	62	11.4		
M4B	3.65	6.0	62	11.4		
M5A	4.20	6.0	66	13.5		
M5B	4.65	6.0	66	13.5		
M6A	5.00	8.0	79	16.5		
M6B	5.55	8.0	79	16.5		
M8A	6.80	10.0	89	21.0		
M8B	7.40	10.0	89	21.0		
M10A	8.50	12.0	102	25.5		
M10B	9.35	12.0	102	25.5		
M12A	10.2	14.0	107	30.0		
M12B	11.2	14.0	107	30.0		
M14A	12.0	16.0	115	34.5		
M14B	13.2	16.0	115	34.5		
M16A	14.0	18.0	123	38.5		
M16B	15.1	18.0	123	38.5		
M18A	15.5	20.0	131	43.5		
M18B	16.0	20.0	131	43.5		
M20A	17.5	22.0	147	47.5		
M20B	18.9	22.0	147	47.5		
M22	19.5	24.0	149	51.5		
M24	21.0	26.0	152	56.5		
M27	24.0	30.0	160	62.5		
M30	26.0	33.0	170	70.0		

Note: For other Tap size holes like UNC, UNF, etc. Prices on request



SOLID CARBIDE INTERNAL COOLANT BURNISHING DRILLS
(As per DIN 6537 K, Shank as per 6535 HA)



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
5.0	6	28	66		
5.1	6	28	66		
5.2	6	28	66		
5.5	6	28	66		
5.55	6	28	66		
5.8	6	28	66		
6.0	6	28	66		
6.1	8	34	79		
6.2	8	34	79		
6.3	8	34	79		
6.5	8	34	79		
6.6	8	34	79		
6.8	8	34	79		
6.9	8	34	79		
7.0	8	34	79		
7.1	8	41	79		
7.4	8	41	79		
7.5	8	41	79		
7.8	8	41	79		
8.0	8	41	79		
8.1	10	47	89		
8.4	10	47	89		
8.5	10	47	89		
8.6	10	47	89		
8.7	10	47	89		
8.8	10	47	89		
9.0	10	47	89		
9.3	10	47	89		
9.5	10	47	89		
9.6	10	47	89		
9.8	10	47	89		
10.0	10	47	89		
10.2	12	55	102		
10.4	12	55	102		
10.5	12	55	102		
10.6	12	55	102		
10.8	12	55	102		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
11.0	12	55	102		
11.2	12	55	102		
11.5	12	55	102		
11.8	12	55	102		
12.0	12	55	102		
12.2	14	60	107		
12.3	14	60	107		
12.5	14	60	107		
12.7	14	60	107		
12.8	14	60	107		
13.0	14	60	107		
13.1	14	60	107		
13.5	14	60	107		
13.8	14	60	107		
14.0	14	60	107		
14.3	16	65	115		
14.5	16	65	115		
14.8	16	65	115		
15.0	16	65	115		
15.1	16	65	115		
15.5	16	65	115		
15.8	16	65	115		
16.0	16	65	115		
16.5	18	73	123		
16.8	18	73	123		
17.0	18	73	123		
17.5	18	73	123		
17.8	18	73	123		
18.0	18	73	123		
18.5	20	79	131		
18.8	20	79	131		
19.0	20	79	131		
19.5	20	79	131		
19.8	20	79	131		
20.0	20	79	131		



SOLID CARBIDE INTERNAL COOLANT BURNISHING DRILLS
(As per DIN 6537 L, Shank as per 6535 HA)



Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
5	6	44	82		
5.1	6	44	82		
5.2	6	44	82		
5.5	6	44	82		
5.55	6	44	82		
5.8	6	44	82		
6.0	6	44	82		
6.1	8	53	91		
6.2	8	53	91		
6.3	8	53	91		
6.5	8	53	91		
6.6	8	53	91		
6.8	8	53	91		
6.9	8	53	91		
7.0	8	53	91		
7.1	8	53	91		
7.4	8	53	91		
7.5	8	53	91		
7.8	8	53	91		
8.0	8	53	91		
8.1	10	61	103		
8.4	10	61	103		
8.5	10	61	103		
8.6	10	61	103		
8.7	10	61	103		
8.8	10	61	103		
9.0	10	61	103		
9.3	10	61	103		
9.5	10	61	103		
9.6	10	61	103		
9.8	10	61	103		
10.0	10	61	103		
10.2	12	71	118		
10.4	12	71	118		
10.5	12	71	118		
10.6	12	71	118		
10.8	12	71	118		

Dia mm	Shank mm	Flute Length	Total Length	Price Each Rs.	
				Uncoated	Coated
11.0	12	71	118		
11.2	12	71	118		
11.5	12	71	118		
11.8	12	71	118		
12.0	12	71	118		
12.2	14	77	124		
12.3	14	77	124		
12.5	14	77	124		
12.7	14	77	124		
12.8	14	77	124		
13.0	14	77	124		
13.1	14	77	124		
13.5	14	77	124		
13.8	14	77	124		
14.0	14	77	124		
14.3	16	83	133		
14.5	16	83	133		
14.8	16	83	133		
15.0	16	83	133		
15.1	16	83	133		
15.5	16	83	133		
15.8	16	83	133		
16.0	16	83	133		
16.5	18	93	143		
16.8	18	93	143		
17.0	18	93	143		
17.5	18	93	143		
17.8	18	93	143		
18.0	18	93	143		
18.5	20	101	153		
18.8	20	101	153		
19.0	20	101	153		
19.5	20	101	153		
19.8	20	101	153		
20.0	20	101	153		





Pilot Dia mm	Body Dia mm	OAL mm	Price Each Rs.	
			Uncoated	Coated
2	5	40		
2.5	6.3	45		
3.15	8	50		
4	10	56		
5	12.5	63		
6.3	16	71		
8	20	80		



BS	Pilot Dia inch	Body Dia inch	OAL inch	Price Each Rs.	
				Uncoated	Coated
2	1/16	3/16	1-3/4		
3	3/32	1/4	2		
4	1/8	5/16	2-1/4		
5	3/16	7/16	2-1/2		
6	1/4	5/8	3		
7	5/16	3/4	3-1/2		



SOLID CARBIDE REAMERS
(IS 5446 - 1978 / BS 328)



Dia mm	Shank mm	Flute Length mm	Total Length mm	No. of Flutes	Price Each Rs.	
					Uncoated	Coated
5	5	23	86	4		
5.5	5.6	26	93	4		
6	5.6	26	93	4		
6.5	6.3	28	101	4		
7	7.1	31	109	6		
7.5	7.1	31	109	6		
8	8	33	117	6		
8.5	8	33	117	6		
9	9	36	125	6		
9.5	9	36	125	6		
10	10	38	133	6		
10.5	10	38	133	6		
11	10	41	142	6		
11.5	10	41	142	6		
12	10	41	151	6		
12.5	10	44	151	6		
13	10	44	151	6		
13.5	12.5	47	160	8		
14	12.5	47	160	8		
14.5	12.5	50	162	8		
15	12.5	50	162	8		
15.5	12.5	52	170	8		
16	12.5	52	170	8		
16.5	12.5	52	170	10		
17	12.5	52	170	10		
17.5	16	70	170	12		
18	16	72	180	12		
18.5	16	75	180	12		
19	16	75	180	12		
19.5	16	75	180	12		
20	16	80	180	12		
20.5	16	100	200	14		
21	16	100	200	14		
21.5	16	100	200	14		
22	20	100	200	14		
22.5	20	100	200	16		
23	20	100	200	16		
23.5	20	100	200	16		



SOLID CARBIDE INTERNAL COOLANT REAMERS
(IS 5446 - 1978 / BS 328)



Dia mm	Shank mm	Flute Length mm	Total Length mm	No. of Flutes	Price Each Rs.	
					Uncoated	Coated
5	5	23	86	4		
5.5	5.6	26	93	4		
6	5.6	26	93	4		
6.5	6.3	28	101	4		
7	7.1	31	109	6		
7.5	7.1	31	109	6		
8	8	33	117	6		
8.5	8	33	117	6		
9	9	36	125	6		
9.5	9	36	125	6		
10	10	38	133	6		
10.5	10	38	133	6		
11	10	41	142	6		
11.5	10	41	142	6		
12	10	41	151	6		
12.5	10	44	151	6		
13	10	44	151	6		
13.5	12.5	47	160	8		
14	12.5	47	160	8		
14.5	12.5	50	162	8		
15	12.5	50	162	8		
15.5	12.5	52	170	8		
16	12.5	52	170	8		
16.5	12.5	52	170	10		
17	12.5	52	170	10		
17.5	16	70	170	12		
18	16	72	180	12		
18.5	16	75	180	12		
19	16	75	180	12		
19.5	16	75	180	12		
20	16	80	180	12		
20.5	16	100	200	14		
21	16	100	200	14		
21.5	16	100	200	14		
22	20	100	200	14		
22.5	20	100	200	16		
23	20	100	200	16		
23.5	20	100	200	16		



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



Dia mm	Shank Dia mm	CEL mm	OAL mm	Price Each Rs.			
				SQUARE		BALL NOSE	
				Uncoated	Coated	Uncoated	Coated
3	3	12	38				
3.5	4	12	50				
4	4	14	50				
4.5	5	16	50				
5	5	16	50				
6	6	19	56				
7	7	19	63				
8	8	20	63				
9	9	22	75				
10	10	22	75				
11	11	25	75				
12	12	25	75				
14	14	32	89				
16	16	32	89				
18	18	38	100				
20	20	38	100				
25	25	38	100				
28	25	45	100				
30	25	45	100				
32	25	50	100				
38	25	50	100				
40	32	50	100				



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

Dia mm	Shank Dia mm	CEL mm	OAL mm	Price Each Rs.			
				SQUARE		BALL NOSE	
				Uncoated	Coated	Uncoated	Coated
3	3	25	75				
4	4	25	75				
5	5	25	75				
6	6	25	75				
8	8	25	75				
10	10	38	100				
12	12	50	100				
12	12	75	150				
14	14	75	150				
16	16	75	150				
18	18	75	150				
20	20	75	150				
25	25	75	150				
28	25	80	150				
30	25	80	150				
32	25	90	160				
38	25	90	160				
40	32	100	160				



**SOLID CARBIDE END MILLS (2 FLUTES/4 FLUTES)
(STUB SERIES) 30° RH HELIX ANGLE WITH CENTRE CUTTING**



Dia mm	Shank Dia mm	CEL mm	OAL mm	Price Each Rs.			
				SQUARE		BALL NOSE	
				Uncoated	Coated	Uncoated	Coated
3	3	6	38				
3.5	4	7	50				
4	4	8	50				
4.5	5	9.5	50				
5	5	10	50				
6	6	12	50				
7	7	12	50				
8	8	12	50				
9	9	14	56				
10	10	16	56				
11	11	19	63				
12	12	19	63				
14	14	25	70				
16	16	30	80				
18	18	30	80				
20	20	32	80				



CARBIDE SLITTING CUTTER

Cutter Dia mm	Bore mm	Width mm	Price Rs.
15	5	0.1 to 3	
18	5	0.1 to 3	
20	5	0.1 to 3	
30	8	0.1 to 4	
32	8	0.1 to 4	
38	10	0.5 to 4	
40	10	0.5 to 4	
48	13	0.5 to 5	
50	13	0.5 to 5	
60	16	0.5 to 5	
63	16	0.5 to 6	
80	22	0.5 to 6	
90	22	0.5 to 8	
100	25	0.5 to 8	
125	32	0.5 to 10	
150	40	0.5 to 12	
200	40	0.5 to 15	



SOLID CARBIDE KEYWAY SEAT CUTTER

Cutter Dia mm	Thickness mm	Shank mm	Total Length	Price Rs.
4.5	1	6	50	
7.5	1.5	6	50	
7.5	2	6	50	
10.5	2	6	50	
10.5	2.5	6	50	
10.5	3	6	50	
13.5	2	10	55	
13.5	3	10	55	
13.5	4	10	55	
16.5	3	10	55	
16.5	4	10	55	
16.5	5	10	55	
19.5	3	10	55	
19.5	4	10	55	
19.5	5	10	55	
22.5	4	10	60	
22.5	5	10	60	
22.5	6	10	60	
22.5	8	10	63	
25.5	5	10	60	
25.5	6	10	60	
25.5	8	10	63	
28.5	5	10	60	
28.5	6	10	60	
28.5	8	10	60	
28.5	10	12	67	
32.5	5	10	60	
32.5	6	10	60	
32.5	8	10	60	



SOLID CARBIDE 'T' SLOT CUTTER

T Slot mm	Dia mm	Cutting Width	Total Length	Shank Dia	Price Rs.
6	12.5	6	57	10	
8	16	8	62	10	
10	18	8	70	12	
10	19	9	71	12	
12	21	9	74	12	
12	22	10	75	12	
14	25	11	82	16	
16	28	12	85	16	
18	32	14	90	16	
20	36	16	103	25	
22	40	18	108	25	
24	45	20	113	25	
28	50	22	124	32	
36	60	28	128	32	

