

INDEX



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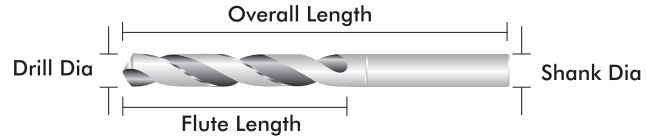
TERMS AND CONDITIONS:

1. These are the current prices and supersede all previous price-lists.
2. MRP is inclusive of GST
3. Prices are F.O.R. Destination
4. Prices are subject to revision without prior notice and all pending orders, if any, will be invoiced at the rates ruling on the date of delivery.
5. Dealers are free to charge lower than the Maximum Recommended Retail Price.
6. Please refer to us for Centre Drills with special dimensions.
7. For HSS Square Tool Bits, orders to be in multiple of 10 numbers upto 1/2" Square.
8. All legal proceedings are subject to Mumbai Jurisdiction.



HSS Straight Shank Jobber Drill Ground flute

To IS : 5101 / DIN : 338 / BS: 328 / I.S.O.

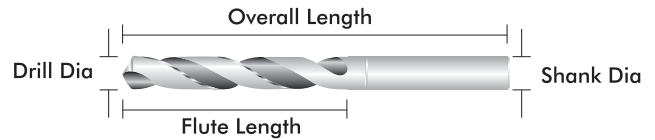


Size-Diameter			Length mm		M2 Ground Flute	M2 Roll Forged	NEW	NEW	NEW
mm	inch	dg/lg	flute	overall			AQUABIT Blue Coated	SUPERBIT M35 SP	DRIVEMAX M42 SP
0.50					1210		1234		
0.55			7	24	1210		1234		
0.60			7	24	1210		1234		
0.65			8	26	1210		1234		
0.70			9	28	1210		1234		
0.75	1/32		9	28	1210		1234		
0.80			10	30	1210		1234		
0.85			10	30	1210		1234		
0.90			11	32	1210		1234		
0.95			11	32	1210		1234		
1.00			12	34	640		652	720	
1.02		60			640		652		
1.04		59	12	34	640		652		
1.07		58			640		652		
1.09		57			640		652		
1.10			14	36	640		652		
1.18		56			640		652		
1.19	3/64				640		652	720	
1.20			16	38	640		652	720	
1.30			16	38	640		652	720	
1.32		55			640		652		
1.40		54	18	40	640		652	720	
1.50			18	40	640		652	720	
1.51		53			680		693		
1.59	1/16				680		693	750	
1.60			20	43	680		693	750	
1.61		52			680		693		
1.70		51	20	43	680		693	750	
1.78		50			680		693		
1.80			22	46	680		693	750	
1.85		49	22	46	680		693		
1.90			22	46	680		693	750	
1.93	5/64	48			680		693	750	
1.98			24	49	680		693		
1.99		47	24	49	690		703		
2.00			24	49	690		703	750	
2.06		46	24	49	690		703		
2.08		45	24	49	690		703		
2.10			24	49	690		703	750	
2.18		44	27	53	690		703		
2.20			27	53	690		703	760	
2.26		43	27	53	690		703		
2.30			27	53	690		703	760	
2.37		42	30	57	690		703		
2.38	3/32		30	57	690		703	760	

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.

HSS Straight Shank Jobber Drill Ground flute

To IS : 5101 / DIN : 338 / BS: 328 / I.S.O.



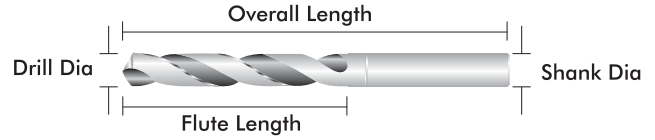
Size-Diameter			Length mm		M2 Ground Flute	M2 Roll Forged	NEW	NEW	NEW
mm	inch	dg/lg	flute	overall			AQUABIT Blue Coated	SUPERBIT M35 SP	DRIVEMAX M42 SP
2.40			30	57	690		703	760	
2.44		41	30	57	690		703		
2.49		40	30	57	690		703		
2.50			30	57	690		703	760	
2.53		39	30	57	690		703		
2.58		38	30	57	690		703		
2.60			30	57	690		703	760	
2.64		37	30	57	720		734		
2.70			33	61	720		734	790	
2.71		36	33	61	720		734		
2.78	7/64		33	61	720	650	734	790	
2.79		35	33	61	720		734		
2.80			33	61	720		734	790	
2.82		34	33	61	720		734		
2.87		33	33	61	720		734		
2.90			33	61	720		734	790	
2.95		32	33	61	720		734		
3.00			33	61	720	650	734	740	1280
3.05		31	36	65	890	920	907		
3.10			36	65	890	920	907	980	1530
3.17	1/8		36	65	890	920	907	980	1530
3.20			36	65	990	940	1009	980	1580
3.26		30	36	65	990	940	1009		
3.30			36	65	990	940	1009	980	1580
3.40			39	70	990	940	1009	980	1660
3.45		29	39	70	990	940	1009		
3.50			39	70	990	940	1009	980	
3.57	9/64	28	39	70	990	940	1009	980	1660
3.60			39	70	1240	1280	1264	1470	2230
3.66		27	39	70	1340	1280	1366		
3.70			39	70	1340	1280	1366	1470	2230
3.73		26	39	70	1340	1280	1366		
3.80		25	43	75	1340	1280	1366	1470	2230
3.86		24	43	75	1340	1280	1366		
3.90			43	75	1340	1280	1366	1470	2230
3.91		23	43	75	1340	1280	1366		
3.97	5/32		43	75	1340	1280	1366	1470	2230
3.99		22	43	75	1340	1280	1366		
4.00			43	75	1340	1280	1366	1470	2230
4.04		21	43	75	1590	1660	1621		
4.09		20	43	75	1590	1660	1621		
4.10			43	75	1590	1660	1621	1770	2700
4.20			43	75	1590	1660	1621	1770	2700
4.22		19	43	75	1590	1660	1621		
4.30		18	47	80	1590	1660	1621	1770	2700

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.



HSS Straight Shank Jobber Drill Ground flute

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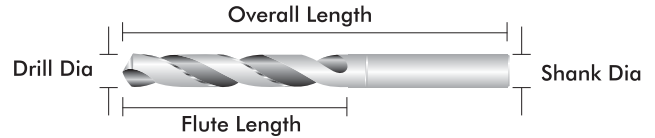


Size-Diameter			Length mm		M2 Ground Flute	M2 Roll Forged	NEW	NEW	NEW
mm	inch	dg/lg	flute	overall			AQUABIT Blue Coated	SUPERBIT M35 SP	DRIVEMAX M42 SP
4.37	11/64		47	80	1610	1660	1642	1770	3550
4.39		17	47	80	1610	1660	1642		
4.40			47	80	1610	1660	1642	1770	2700
4.50		16	47	80	1980	2060	2019	2330	3550
4.57		15	47	80	1980	2060	2019		
4.60			47	80	1980	2060	2019	2330	3550
4.62		14	47	80	1980	2060	2019		
4.70		13	47	80	1980	2060	2019	2330	3550
4.76	3/16		52	86	1980	2060	2019	2330	3550
4.80		12	52	86	2040	2060	2080	2330	3550
4.85		11	52	86	2120	2190	2162		
4.90			52	86	2120	2190	2162	2560	3550
4.92		10	52	86	2120	2190	2162		
4.98		9	52	86	2120	2190	2162		
5.00			52	86	2080	2130	2121	2560	3860
5.06		8	52	86	2080	2130	2121		
5.10			52	86	2080	2130	2121	2560	3860
5.11		7	52	86	2080	2130	2121		
5.16	13/64		52	86	2080	2130	2121	2560	3860
5.18		6	52	86	2080	2130	2121		
5.20			52	86	2080	2130	2121	2560	3860
5.22		5	52	86	2380	2440	2427		
5.30			52	86	2380	2440	2427	2760	4160
5.31		4	57	93	2380	2440	2427		
5.40			57	93	2380	2440	2427	2760	4160
5.41		3	57	93	2380	2440	2427		
5.50			57	93	2380	2440	2427	2760	4160
5.56	7/32		57	93	2380	2440	2427	2760	4160
5.60			57	93	2380	2440	2427	2760	4160
5.61		2	57	93	2630	2620	2682		
5.70			57	93	2630	2620	2682	3080	4680
5.79		1	57	93	2630	2620	2682		
5.80			57	93	2630	2620	2682	3080	4680
5.90			57	93	2630	2620	2682	3080	4680
5.94		A	57	93	2630	2620	2682		
5.95	15/64		57	93	2630	2620	2682	3080	
6.00			57	93	2630	2620	2682	3080	4680
6.04		B	63	93	2960	2830	3019		
6.10			63	93	2960	2830	3019	3390	5100
6.15		C	63	93	2960	2830	3019		
6.20			63	93	2960	2830	3019	3390	5100
6.25		D	63	93	2960	2830	3019		
6.30			63	93	2960	3000	3019	3390	5100
6.35	1/4	E	63	93	2960	3000	3019	3390	5100
6.40			63	93	2960	3000	3019	3390	5100

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.

HSS Straight Shank Jobber Drill Ground flute

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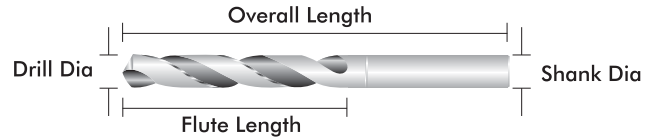
Size-Diameter			Length mm		M2 Ground Flute	M2 Roll Forged	NEW	NEW	NEW
mm	inch	dg/lg	flute	overall			AQUABIT Blue Coated	SUPERBIT M35 SP	DRIVEMAX M42 SP
6.50			63	101	3700	3640	3774	4290	6380
6.53		F	63	101	3700	3640	3774		
6.60			63	101	3700	3640	3774	4290	6380
6.63		G	63	101	3700	3640	3774		
6.70			63	101	3700	3640	3774	4290	6380
6.75	17/64	H	69	109	3700	3640	3774	4290	6380
6.80			69	109	4030	3640	4110	4290	6380
6.90		I	69	109	4030	4,070	4110	4690	6990
7.00			69	109	4030	4070	4110	4690	6990
7.03		J	69	109	4030	4070	4110		
7.10			69	109	4030	4070	4110	4690	6990
7.14	9/32	K	69	109	4030	4070	4110	4690	6990
7.20			69	109	4360	4070	4447	4810	6990
7.30			69	109	4360	4280	4447	4970	6990
7.37		L	69	109	4360	4280	4447		
7.40			69	109	4360	4280	4447	4970	7370
7.49		M	69	109	4360	4280	4444		
7.50			69	109	4360	4280	4447	4970	7370
7.54	19/64		75	117	4690	4600	4783	5390	
7.60			75	117	4690	4600	4783	5390	7980
7.67		N	75	117	4880	4600	4977		
7.70			75	117	4880	4690	4977	5390	7980
7.80			75	117	4880	4690	4977	5390	7980
7.90			75	117	4880	4690	4977	5900	7980
7.94	5/16		75	117	5170	5060	5273	5900	8760
8.00			75	117	5170	5060	5273	5900	8760
8.03		O	75	117	5170	5060	5273		
8.10			75	117	5170	5160	5273	5900	8760
8.20		P	75	117	5170	5160	5273	5900	8760
8.30			75	117	6090	6130	6211	7120	10620
8.33	21/64		75	117	6090	6130	6211	7120	10620
8.40			75	117	6370	6130	6497	7120	10620
8.43		Q	75	117	6370	6130	6497		
8.50			75	117	6370	6130	6497	7120	10620
8.60			81	125	6370	6130	6497	7120	10620
8.61		R	81	125	6370	6130	6497		
8.70			81	125	6370	6130	6497	7130	10620
8.73	11/32		81	125	6700	6450	6834	7610	
8.80			81	125	6700	6450	6834	7610	11190
8.84		S	81	125	6700	6450	6834		
8.90			81	125	6700	6450	6834	7610	11190
9.00			81	125	6700	6450	6834	7610	11190
9.09		T	81	125	6990	6720	7129		
9.10			81	125	6990	6720	7129	7850	11670
9.13	23/64		81	125	6990	6720	7129	7850	

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.



HSS Straight Shank Jobber Drill Ground flute

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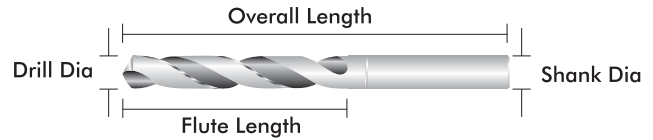


Size-Diameter			Length mm		M2 Ground Flute	M2 Roll Forged	NEW	NEW	NEW
mm	inch	dg/lg	flute	overall			AQUABIT Blue Coated	SUPERBIT M35 SP	DRIVEMAX M42 SP
9.20			81	125	6990	6720	7129	7850	11670
9.30			81	125	6990	6720	7129	7850	11670
9.34		U	81	125	6990	6720	7129		
9.40			81	125	6990	6720	7129	7850	11670
9.50			81	125	6990	6720	7129	7850	11670
9.52			87	133	7940	7650	8098		13230
9.58	3/8	V	87	133	7940	7650	8098		
9.60			87	133	7940	7650	8098	8910	13230
9.70			87	133	7940	7650	8098		13230
9.80		W	87	133	7940	7650	8098	8910	13230
9.90			87	133	8710	8530	8884	9940	14810
9.92	25/64		87	133	8710	8530	8884	9940	
10.00			87	133	8710	8530	8884	9940	14810
10.08		X	87	133	8710	8530	8884		
10.10			87	133	8710	8530	8884	9940	14810
10.20			87	133	8710	8530	8884	9940	14810
10.26		Y	87	133	9140	9220	9322		
10.30			87	133	9140	9220	9322	10820	16050
10.32	13/32		87	133	9140	9220	9322	10820	16050
10.40			87	133	9580	9220	9771	10820	16050
10.49		Z	87	133	9580	9220	9771		
10.50			87	133	9580	9220	9771	10820	16050
10.60			87	133	9580	9220	9771	10820	16050
10.70			94	142	9580	9220	9771	11440	16990
10.72	27/64		94	142	10140	9740	10342	11440	
10.80			94	142	10140	9740	10342	11440	16990
10.90			94	142	10140	9740	10342	11440	16990
11.00			94	142	10140	9740	10342	11440	16990
11.10			94	142	11310	10870	11536	12730	18970
11.11	7/16		94	142	11310	10870	11536	12730	18970
11.20			94	142	11310	10870	11536	12730	18970
11.30			94	142	11310	10870	11536	12730	18970
11.40			94	142	11310	10870	11536	12730	18970
11.50			94	142	11940	11480	12178	13430	20000
11.51	29/64		94	142	11940	11480	12178	13430	
11.60			94	142	11940	11480	12178	13430	20000
11.70			94	142	11940	11480	12178	13430	20000
11.80			101	142	11940	11480	12178	13430	20000
11.90			101	151	12710	12240	12964	14350	21360
11.91	15/32		101	151	12710	12240	12964	14350	
12.00			101	151	12710	12240	12964	14350	21360
12.10			101	151	12710	12240	12964	14350	21360
12.20			101	151	12710	12240	12964	14350	21360
12.30	31/64		101	151	13530	13020	13800	15220	22660
12.40			101	151	13530	13020	13800	15220	22660

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.

HSS Straight Shank Jobber Drill Ground flute

To IS : 5101 / DIN : 338 / BS: 328 / I.S.O.



Size-Diameter			Length mm		M2 Ground Flute	M2 Roll Forged	NEW	NEW	NEW
mm	inch	dg/lg	flute	overall			AQUABIT Blue Coated	SUPERBIT M35 SP	DRIVEMAX M42 SP
12.50			101	151	13530	13020	13800	15220	22660
12.60			101	151	13530	13020	13800	15220	22660
12.70	1/2		101	151	13860	13720	14137	16070	23930
12.80			101	151	14260	13720	14545	16070	24130
12.90			101	151	14260	13720	14545	16070	24130
13.00			101	151	14260	13720	14545	16070	24130
13.10	33/64		101	151	17690		18043		
13.20			101	151	17690		18043		
13.30			108	160	17690		18043		
13.40			108	160	17690		18043		
13.49	17/32		108	160	18830		19206		
13.50			108	160	18830		19206		
13.60			108	160	18830		19206		
13.70			108	160	18830		19206		
13.80			108	160	18830		19206		
13.89	35/64		108	160	20840		21256		
13.90			108	160	20840		21256		
14.00			108	160	20840		21256		
14.25			114	169	20840		21256		
14.29	9/16		114	169	20840		21256		
14.50			114	169	20840		21256		
14.68	37/64		114	169	20840		21256		
14.75			114	169	23550		24021		
15.00			114	169	23550		24021		
15.08	19/32		120	178	23550		24021		
15.25			120	178	23550		24021		
15.48	39/64		120	178	25000		25500		
15.50			120	178	25000		25500		
15.75			120	178	26380		26907		
15.87	5/8		120	178	26380		26907		
16.00			120	178	26380		26907		
16.50					26380				
17.00					26380				
17.50					27230				
18.00					27230				
18.25					27740				
18.50					27230				
19.00					29000				
19.05	3/4				29620				
19.50					29530				
20.00					29530				
20.50					32810				
21.00					35460				
21.50					37620				
22.00					39490				
22.22	7/8				36850				
22.50					39490				
23.00					39490				

Special notes:

1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm and sizes over 3.17 mm will be charged 50% and 25% Extra respectively.
3. Jobber Series Drills with Tenon can be supplied at 20% extra for sizes upto 6.50 mm 10% extra for sizes over 6.50 mm.
4. All sizes can be ordered in multiple of 10 only.

Terms & Conditions:

1. Prices are F.O.R. Destination.
2. Prices are subject to revision without prior notice.
3. All legal proceedings are subject to Mumbai Jurisdiction.



HSS Straight Shank Jobber Drill Set

To IS : 5101 / DIN : 338 / BS: 328 / I.S.O.



Size-Diameter	M.R.P RS
Jobber Drill Set 1/8" to 1/4" (4 pc)	720
Jobber Drill Set 3/32" to 1/4" (7 pc)	1127
Jobber Drill Set 1/16" to 1/4" (13 pc)	1924
Jobber Drill Set 2.00 to 8.00 mm (13 pc)	2886
Jobber Drill Set 1.5 to 6.5 mm (13 pc)	2485
Jobber Drill Set 1.00 to 10.00 mm (19 pc)	6265
Jobber Drill Set 1.00 to 13.00 mm (25 pc)	12375
Jobber Drill Set 1/16" to 1/2" (29 pc)	15979
Masonry Bit Set 4.00 to 10.00 mm (5 pc) (E-Com)	915
Masonry Bit Set (1/8 - 3/8) (5 pc)	825
New Jobber Drill Set 1.5 to 6.5 mm (13 pc)	2485
New Jobber Drill Set 1.00 to 10.00 mm (19 pc)	6265

Special notes:

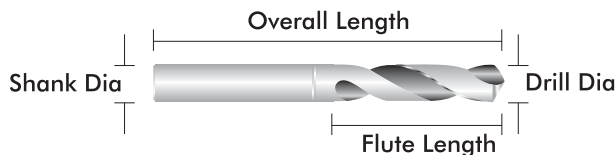
1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm and sizes over 3.17 mm will be charged 50% and 25% Extra respectively.
3. Jobber Series Drills with Tenon can be supplied at 20% extra for sizes upto 6.50 mm 10% extra for sizes over 6.50 mm.
4. All sizes can be ordered in multiple of 10 only.

Terms & Conditions:

1. Prices are F.O.R. Destination.
2. Prices are subject to revision without prior notice.
3. All legal proceedings are subject to Mumbai Jurisdiction.

HSS Straight Shank Stub Series Drill

To IS : 5100 / DIN : 1897 / BS: 328 / I.S.O.



Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
1.00		6	26	640
1.19	3/64	8	30	640
1.20		8	30	640
1.50		9	32	640
1.59	1/16	10	34	650
1.80		11	36	650
1.98	5/64	12	38	650
2.00		12	38	630
2.20		13	40	630
2.38	3/32	14	43	630
2.50		14	43	630
2.78	7/64	16	46	630
2.80		16	46	740
3.00		16	46	740
3.17	1/8	18	49	850
3.20		18	49	920
3.50		20	52	920
3.57	9/64	20	52	920
3.80		22	55	1210
3.97	5/32	22	55	1210
4.00		22	55	1210
4.20		22	55	1380
4.37	11/64	24	58	1380
4.50		24	58	1690
4.76	3/16	26	62	1690
4.80		26	62	1690
5.00		26	62	1770
5.16	13/64	26	62	1770
5.20		26	62	1770
5.50		28	66	1970
5.56	7/32	28	66	1970
5.80		28	66	2190
5.95	15/64	28	66	2190
6.00		28	66	2250
6.20		31	70	2510
6.35	1/4	31	70	2510
6.50		31	70	3030
6.75	17/64	34	74	3030

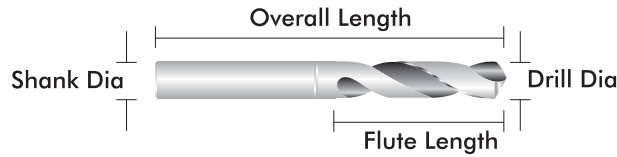
Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
6.80		34	74	3030
7.00		34	74	3370
7.14	9/32	34	74	3370
7.20		34	74	3370
7.50		34	74	3440
7.54	19/64	37	79	3790
7.80		37	79	3850
7.94	5/16	37	79	4250
8.00		37	79	4250
8.20		37	79	4250
8.33	21/64	37	79	5450
8.50		37	79	5450
8.73	11/32	40	84	5680
8.80		40	84	5680
9.00		40	84	5680
9.13	23/64	40	84	5990
9.20		40	84	5990
9.50		40	84	5990
9.52	3/8	43	89	6280
9.80		43	89	6650
9.92	25/64	43	89	7670
10.00		43	89	7670
10.20		43	89	7670
10.32	13/32	43	89	8170
10.50		43	89	8170
10.72	27/64	47	95	9240
10.80		47	95	9240
11.00		47	95	9240
11.11	7/16	47	95	9680
11.20		47	95	10250
11.50		47	95	10980
11.51	29/64	47	95	10980
11.80		47	95	10980
11.91	15/32	51	102	10980
12.00		51	102	10980
12.20		51	102	10980
12.30	31/64	51	102	11880
12.50		51	102	11880

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.



HSS Straight Shank Stub Series Drill

To IS : 5100 / DIN : 1897 / BS: 328 / I.S.O.



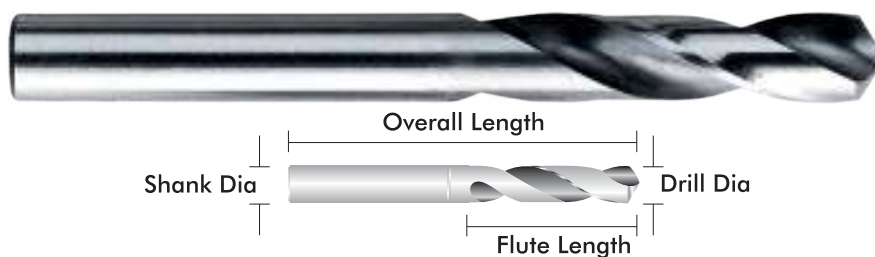
Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
12.70	1/2	51	102	12220
12.80		51	102	12220
13.00		51	102	12220
13.20		51	102	15000
13.49	17/32	54	107	16050
13.50		54	107	16050
13.80		54	107	16050
14.00		54	107	16680
14.25		56	111	16880
14.29	9/16	56	111	16880
14.50		56	111	18140
14.75		56	111	19700
15.00		56	111	19700
15.08	19/32	58	115	19700
15.25		58	115	19700
15.50		58	115	21370
15.75		58	115	21370
15.87	5/8	58	115	21370
16.00		58	115	21370
16.25		60	119	21470
16.50		60	119	21470
16.67	21/32	60	119	21470
16.75		60	119	21930
17.00		60	119	21930
17.25		62	123	22320
17.46	11/16	62	123	22320
17.50		62	123	22330
17.75		62	123	22670
18.00		62	123	22670
18.25		64	127	23010
18.26	23/32	64	127	23010
18.50		64	127	23010
18.75		64	127	23420
19.00		64	127	23420
19.05	3/4	66	131	23420
19.25		66	131	23940
19.50		66	131	23940
19.75		66	131	23940

Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
19.84	25/32	66	131	23940
20.00		66	131	23240
20.25		68	136	24810
20.50		68	136	24810
20.64	13/16	68	136	24810
20.75		68	136	25770
21.00		68	136	25770
21.25		70	141	26050
21.43	27/32	70	141	26050
21.50		70	141	26050
21.75		70	141	27340
22.00		70	141	27340
22.22	7/8	70	141	27340
22.25		70	141	29050
22.50		72	146	29050
22.75		72	146	29460
23.00		72	146	29460
23.02	29/32	72	146	29460
23.25		72	146	31130
23.50		72	146	31130
23.75		75	151	31130
23.81	15/16	75	151	31130
24.00		75	151	34400
24.25		75	151	34400
24.50		75	151	34400
24.61	31/32	75	151	34400
24.75		75	151	37770
25.00		75	151	37770
25.25		78	156	37980
25.40	1	78	156	37980
25.50		78	156	42840
26.00		78	156	42840
26.19	1.1/32	78	156	43810
26.50		78	156	43810
26.99	1.1/16	81	162	44250
27.00		81	162	46730
27.50		81	162	46730
27.78	1.3/32	81	162	49370

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.

HSS Straight Shank Stub Series Drill

To IS : 5100 / DIN : 1897 / BS: 328 / I.S.O.



Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
28.00		81	162	49370
28.50		84	168	49810
28.57	1.1/8	84	168	49810
29.00		84	168	52310
29.37	1.5/32	84	168	57500
29.50		84	168	57500
30.00		84	168	58250
30.16	1.3/16	87	174	58250
30.50		87	174	65560
30.96	1.7/32	87	174	65560
31.00		87	174	65560
31.50		87	174	66510
31.75	1.1/4	90	180	66510
32.00		90	180	68320
32.50		90	180	70020
32.54	1.9/32	90	180	70020
33.00		90	180	70020
33.34	1.5/16	90	180	70020
33.50		90	180	73790
34.00		93	186	73790
34.13	1.11/32	93	186	80980
34.50		93	186	80980
34.92	1.3/8	93	186	80980
35.00		93	186	88970
35.50		93	186	90300
35.72	1.13/32	96	193	90300
36.00		96	193	90300
36.50		96	193	90300
36.51	1.7/16	96	193	90300
37.00		96	193	97010
37.31	1.15/32	96	193	98470
37.50		96	193	98470
38.00		100	200	98470
38.10	1.1/2	100	200	98470
38.50		100	200	109930
39.00		100	200	109930
39.50		100	200	111920
40.00		100	200	111920

Special notes:

1. Intermediate or non-listed sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm (1/8") and sizes over 3.17 mm (1/8") will be charged 50% and 25% Extra respectively, subject to minimum ordering value worth Rs. 10,000/- per size.
3. All sizes upto dia 13.00mm to be can be ordered in multiple of 10 only.

Terms & Conditions:

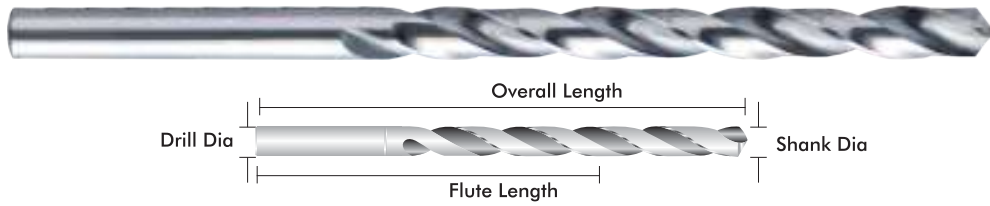
1. Prices are F.O.R. Destination.
2. Prices are subject to revision without prior notice.
3. All legal proceedings are subject to Mumbai Jurisdiction.

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 10 NOS.



HSS Straight Shank Long Series Drill

To IS : 5102 / DIN : 340 / BS: 328 / I.S.O.



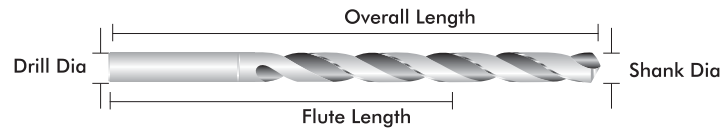
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
1.00		33	56	410
1.10		37	60	410
1.19	3/64	41	65	410
1.20		41	65	410
1.30		41	65	410
1.40		45	70	410
1.50		45	70	410
1.59	1/16	50	76	410
1.60		50	76	410
1.70		50	76	410
1.80		53	80	410
1.90		53	80	410
1.98	5/64	56	85	410
2.00		56	85	410
2.10		56	85	410
2.20		59	90	410
2.30		59	90	514
2.38	3/32	62	95	514
2.40		62	95	514
2.50		62	95	514
2.60		62	95	514
2.70		66	100	514
2.78	7/64	66	100	514
2.80		66	100	514
2.90		66	100	514
3.00		66	100	514
3.10		69	106	514
3.17	1/8	69	106	514
3.20		69	106	514
3.30		69	106	514
3.40		73	112	514
3.50		73	112	514
3.57	9/64	73	112	514
3.60		73	112	514
3.70		73	112	558
3.80		78	119	558
3.90		78	119	558
3.97	5/32	78	119	558

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
4.00		78	119	558
4.10		78	119	558
4.20		78	119	558
4.30		82	126	558
4.37	11/64	82	126	558
4.40		82	126	558
4.50		82	126	558
4.60		82	126	558
4.70		82	126	558
4.76	3/16	87	132	558
4.80		87	132	558
4.90		87	132	641
5.00		87	132	641
5.10		87	132	641
5.16	13/64	87	132	641
5.20		87	132	641
5.30		87	132	747
5.40		91	139	747
5.50		91	139	747
5.56	7/32	91	139	747
5.60		91	139	833
5.70		91	139	833
5.80		91	139	833
5.90		91	139	833
5.95	15/64	91	139	833
6.00		91	139	833
6.10		97	148	939
6.20		97	148	939
6.30		97	148	939
6.35	1/4	97	148	939
6.40		97	148	1195
6.50		97	148	1195
6.60		97	148	1429
6.70		97	148	1429
6.75	17/64	102	156	1429
6.80		102	156	1429
6.90		102	156	1429
7.00		102	156	1429

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Straight Shank Long Series Drill

To IS : 5102 / DIN : 340 / BS: 328 / I.S.O.



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
7.10		102	156	1429
7.14	9/32	102	156	1429
7.20		102	156	1429
7.30		102	156	1429
7.40		102	156	1429
7.50		102	156	1429
7.54	19/64	109	165	1429
7.60		109	165	1429
7.70		109	165	1429
7.80		109	165	1429
7.90		109	165	1471
7.94	5/16	109	165	1471
8.00		109	165	1471
8.10		109	165	1471
8.20		109	165	1471
8.30		109	165	1471
8.33	21/64	109	165	1471
8.40		109	165	1471
8.50		109	165	1491
8.60		115	175	1558
8.70		115	175	1558
8.73	11/32	115	175	1558
8.80		115	175	1877
9.00		115	175	1877
9.13	23/64	115	175	1877
9.20		115	175	1877
9.50		115	175	1877
9.52	3/8	121	184	1877
9.80		121	184	1896
9.92	25/64	121	184	1896
10.00		121	184	1896
10.20		121	184	1896
10.32	13/32	121	184	1896
10.50		121	184	2046
10.72	27/64	128	195	2321
10.80		128	195	2321
11.00		128	195	2321
11.11	7/16	128	195	2321

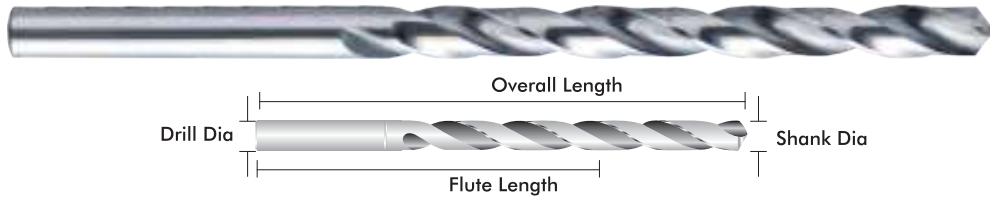
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
11.20		128	195	2494
11.50		128	195	2494
11.51	29/64	128	195	2494
11.80		128	195	2494
11.91	15/32	134	205	2494
12.00		134	205	2494
12.20		134	205	2532
12.30	31/64	134	205	2532
12.50		134	205	2532
12.70	1/2	134	205	2532
12.80		134	205	3469
13.00		134	205	3469
13.10	33/64	134	205	3513
13.20		134	205	3513
13.49	17/32	140	214	3513
13.50		140	214	3513
13.80		140	214	3812
13.89	35/64	140	214	3812
14.00		140	214	3513
14.25		144	220	3513
14.29	9/16	144	220	3513
14.50		144	220	3683
14.68	37/64	144	220	4044
14.75		144	220	3683
15.00		144	220	3683
15.08	19/32	149	227	3683
15.25		149	227	3812
15.50		149	227	3812
15.75		149	227	3812
15.87	5/8	149	227	3812
16.00		149	227	3877
16.25		154	235	3877
16.27	41/64	154	235	4319
16.50		154	235	3958
16.67	21/32	154	235	3958
16.75		154	235	4044
17.00		154	235	4044
17.07	43/64	158	241	4383

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



HSS Straight Shank Long Series Drill

To IS : 5102 / DIN : 340 / BS: 328 / I.S.O.



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
17.25		158	241	4044
17.46	11/16	158	241	4044
17.50		158	241	4319
17.75		158	241	4319
17.86	45/64	158	241	4770
18.00		158	241	4383
18.25		162	247	4383
18.26	23/32	162	247	4383
18.50		162	247	4577
18.65	47/64	162	247	5021
18.75		162	247	4663
19.00		162	247	4663
19.05	3/4	166	254	4663
19.25		166	254	4917
19.45	49/64	166	254	5385
19.50		166	254	4917
19.75	25/32	166	254	4917
19.84		166	254	4917
20.00		166	254	5235
20.24	51/64	171	261	5554
20.25		171	261	5235
20.50		171	261	5235
20.64	13/16	171	261	5235
20.75		171	261	5385
21.00		171	261	5385
21.03	53/64	171	261	5897
21.25		176	268	5554
21.43	27/32	176	268	5554
21.50		176	268	5897
21.75		176	268	5897
21.83	55/64	176	268	6299
22.00		176	268	5897
22.22	7/8	176	268	5897
22.25		176	268	6362
22.50		180	275	6362
22.62	57/64	180	275	6809
22.75		180	275	6511
23.00		180	275	6511
23.02	29/32	180	275	6511
23.25		180	275	6619
23.42	59/64	180	275	7786
23.50		180	275	7236
23.75		185	282	7236
23.81	15/16	185	282	7236
24.00		185	282	7532
24.21	61/64	185	282	8233
24.25		185	282	7532
24.50		185	282	7532
24.61	31/32	185	282	7532

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
24.75		185	282	8087
25.00	63/64	185	282	8087
25.25		190	290	8194
25.40	1	190	290	8194
25.50		190	290	10085
25.75		190	290	10085
25.80	1.1/64	190	290	10295
26.00		190	290	10295
26.19	1.1/32	190	290	10295
26.25		190	290	11106
26.50		190	290	11106
26.59	1.3/64	195	298	11338
26.75		195	298	11338
26.99	1.1/16	195	298	11338
27.00		195	298	11573
27.25		195	298	11573
27.38	1.5/64	195	298	11701
27.50		195	298	11701
27.75		195	298	11701
27.78	1.3/32	195	298	11701
28.00		195	298	12786
28.18	1.7/64	201	307	12956
28.25		201	307	12956
28.50		201	307	12956
28.57	1.1/8	201	307	12956
28.75		201	307	13062
28.97	1.9/64	201	307	13320
29.00		201	307	13320
29.25		201	307	13320
29.37	1.5/32	201	307	13320
29.50		201	307	13487
29.75		201	307	13487
29.77	1.11/64	201	307	13761
30.00		201	307	13761
30.16	1.3/16	207	316	13761
30.25		207	316	14634
30.50		207	316	14634
30.56	1.13/64	207	316	14890
30.75		207	316	14890
30.96	1.7/32	207	316	14890
31.00		207	316	16573
31.25		207	316	16573
31.35	1.15/64	207	316	17166
31.50		207	316	17166

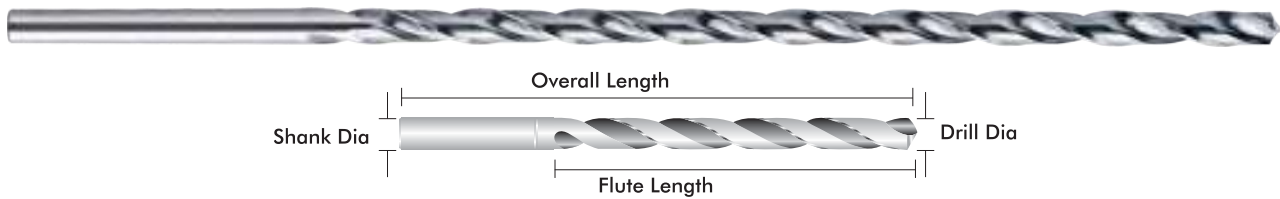
Special notes:

- Intermediate, unlisted sizes, price of the next larger listed size will be charged.
- Quick Spiral or Slow Spiral drills upto sizes 3.17 mm and sizes over 3.17 mm will be charged 70% and 35% Extra respectively.
- Long Series Drills with Tenon can be supplied at 10% extra for sizes upto 6.50 mm 5% extra for sizes over 6.50 mm.
- The minimum ordering value per size should be worth Rs. 10,000/-

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Straight Shank Extra Long Series Drill

To IS : 7822 / DIN : 340 / BS: 328 / I.S.O.



Size		Over all Length in mm				
mm	inch	50	100	125	150	175
0.50		1218				
0.60		1129				
0.70	1/32		1108			
0.80		776				
0.90						
1.00			755			
1.10			755			
1.20	3/64		755			
1.30			755		1174	
1.40			755			
1.50			755	996	1108	
1.60	1/16		712	931	1108	
1.70			712	954	1108	
1.80			712	954	1108	
1.90				954	1108	
2.00	5/64		954	954	1153	
2.10				954	1726	
2.20				954	1153	
2.30				954	1153	
2.40	3/32			954	1153	
2.50			1374	1374	1638	
2.60						
2.70				1352	1638	
2.80	7/64			1352	1638	
2.90						
3.00				1285	1550	1856
3.17	1/8				1550	1856
3.50	9/64				1618	1856
3.97	5/32				1528	1856
4.00				1528	1528	
4.50	11/64				1550	1923
4.76	3/16				1594	1946
5.00					1594	1946
5.50	13/64				1684	2057
5.56	7/32					
6.00	15/64				1726	2124
6.35	1/4					
9.00					2344	

Size		Over all Length in mm							
mm	inch	200	225	250	275	300	325	350	375
2.50			2677						
2.60									
2.70									
2.80	7/64	1837							
2.90									
3.00		2124	2499	2958	3780	4157			
3.17		2124	2499	2985	3780	4157			
3.50		2146	2895	3206	4244	4669		5901	
3.97		2124	2895	3228	4244	4669	5342	5834	6540
4.00		2124	2895	3228	4244	4669	5342	5834	6540
4.50		2188	2895	3228	4244	4669	5452	5986	6671
4.76		2234	2963	3296	4264	4691	5560	6098	6804
5.00		2234	2963	3296	4264	4691	5560	6098	6804
5.50		2367	3163	3514	4707	5179	5594	6121	6848
5.56		2367		3514	4707	5179	5594	6121	6848
6.00		2409	3249	3603	4663	5130	5594		6848
6.35		3028		4506	4928	5419	7147	7842	8744
6.50		3028		4506	4928	5419	7147	7842	8744
7.00	17/64	3051		4552	5258	5784	7219	7952	8835
7.14	9/32	3228		5061	5809	6393	7581	8394	9275
7.50	19/64	3228		4816	5809	6393	7581	8394	9275
7.94	5/16	3559			6055	6659	8338	9275	10204
8.00		3559		5323	6055	6659	8338	9275	10204
8.50	21/64	3514	4042	5038	6121	6734	8346	9277	10214
8.73	11/32	3514		4993	6121	6734	8346	9277	10214
9.00		3493		4993	6121	6734	8390	9339	10265
9.50	23/64	3624		5193	6098	6710	8640	9705	10574
9.52	3/8	3624		5193	6252	6879	8640	9705	10574
10.00	25/64	3693		5082	6382	7022	8842	9982	10820
10.32	13/32	3998		5523	6717	7388	9048	10256	11074
10.50		3998		5523	6717	7388	9048	10256	11074
11.00	27/64			5478	6827	7511	9049	10252	11079
11.11	7/16			5478	6827	7511	9049	10252	11079
11.50	29/64			5834	7333	8066	9129	10424	11174
11.91	15/32			5854	7333	8066	9129	10469	11174
12.00				5854	7488	8237	9119	10469	11174
12.50	31/64			6205	7488	8237	9582	11090	11726
12.70	1/2				7488	8237	9582	11090	11726

Special notes:

1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. For sizes below dia 9.00 mm max. Flute length which can be provided is 350mm.
3. For specials and unlisted sizes please refer to us.
4. Minimum ordering value per size should be worth Rs. 15,000/- gross.
5. Other details will be mentioned as per IS:7823.

Terms & Conditions:

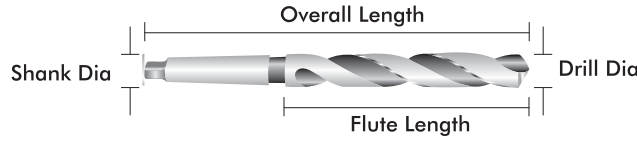
1. Prices are F.O.R. Destination.
2. Prices are subject to revision without prior notice.
3. All legal proceedings are subject to Mumbai Jurisdiction.

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



HSS Taper Shank Twist Drill

To IS : 5103 / DIN : 345 / BS: 328 / I.S.O.



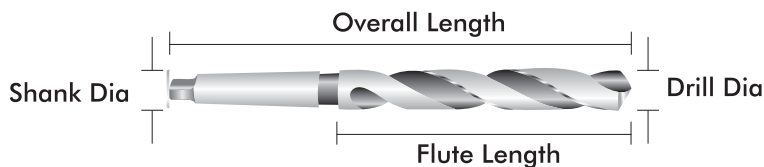
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT1				
3.00		33	114	621
3.17	1/8	36	117	621
3.20		36	117	641
3.50		39	120	641
3.57	9/64	39	120	641
3.80		43	124	641
3.97	5/32	43	124	641
4.00		43	124	641
4.20		43	124	835
4.37	11/64	47	128	835
4.50		47	128	835
4.76	3/16	52	133	835
4.80		52	133	835
5.00		52	133	835
5.16	13/64	52	133	835
5.20		52	133	835
5.50		57	138	835
5.56	7/32	57	138	835
5.80		57	138	835
5.95	15/64	57	138	835
6.00		57	138	835
6.20		63	144	959
6.35	1/4	63	144	959
6.50		63	144	959
6.75	17/64	69	150	959
6.80		69	150	959
7.00		69	150	1016
7.14	9/32	69	150	1016
7.20		69	150	1016
7.50		69	150	1016
7.54	19/64	75	156	1016
7.80		75	156	1016
7.94	5/16	75	156	1016
8.00		75	156	1016
8.20		75	156	1151
8.33	21/64	75	156	1213
8.50		75	156	1213

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
8.73	11/32	81	162	1213
8.80		81	162	1276
9.00		81	162	1276
9.13	23/64	81	162	1276
9.20		81	162	1276
9.50		81	162	1276
9.52	3/8	87	168	1276
9.80		87	168	1366
9.92	25/64	87	168	1448
10.00		87	168	1406
10.20		87	168	1406
10.32	13/32	87	168	1406
10.50		87	168	1717
10.72	27/64	94	175	1786
10.80		94	175	1786
11.00		94	175	1786
11.11	7/16	94	175	1786
11.20		94	175	1786
11.50		94	175	1786
11.51	29/64	94	175	1786
11.80		94	175	1786
11.91	15/32	101	182	1919
12.00		101	182	1786
12.20		101	182	1786
12.30	31/64	101	182	1786
12.50		101	182	1786
12.70	1/2	101	182	1786
12.80		101	182	1786
13.00		101	182	2400
13.10	33/64	101	182	2501
13.20		101	182	2501
13.49	17/32	108	189	2501
13.50		108	189	2688
13.80		108	189	2688
13.89	35/64	108	189	2793
14.00		108	189	2793
MT2				
14.25		114	212	2926

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Taper Shank Twist Drill

To IS : 5103 / DIN : 345 / BS: 328 / I.S.O.



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
14.29	9/16	114	212	2926
14.50		114	212	3058
14.68	37/64	114	212	3058
14.75		114	212	3058
15.00		114	212	3058
15.08	19/32	120	218	3233
15.25		120	218	3277
15.48	39/64	120	218	3277
15.50		120	218	3277
15.75		120	218	3277
15.87	5/8	120	218	3277
16.00		120	218	3298
16.25		125	223	3298
16.27	41/64	125	223	3298
16.50		125	223	3372
16.67	21/32	125	223	3372
16.75		125	223	3372
17.00		125	223	3372
17.07	43/64	130	228	3372
17.25		130	228	3372
17.46	11/16	130	228	3437
17.50		130	228	3566
17.75		130	228	3609
17.86	45/64	130	228	3900
18.00		130	228	3900
18.25		135	233	3900
18.26	23/32	135	233	3900
18.50		135	233	3900
18.65	47/64	135	233	3900
18.75		135	233	3900
19.00		135	233	3900
19.05	3/4	140	238	3900
19.25		140	238	4071
19.45	49/64	140	238	4071
19.50		140	238	4071
19.75		140	238	4071
19.84	25/32	140	238	4071
20.00		140	238	4295

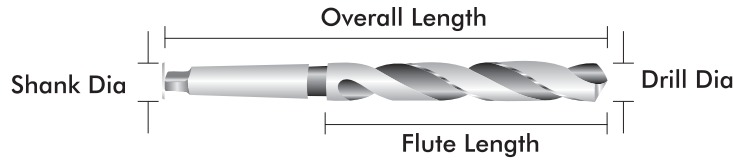
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
20.24	51/64	145	243	4441
20.25		145	243	4441
20.50		145	243	4441
20.64	13/16	145	243	4441
20.75		145	243	4617
21.00		145	243	4617
21.03	53/64	145	243	4812
21.25		150	248	4812
21.43	27/32	150	248	4812
21.50		150	248	4881
21.75		150	248	4881
21.83	55/64	150	248	4967
22.00		150	248	4967
22.22	7/8	150	248	4967
22.25		150	248	5326
22.50		155	253	5326
22.62	57/64	155	253	5512
22.75		155	253	5512
23.00		155	253	5619
23.02	29/32	155	253	5912
MT3				
23.25		155	276	6713
23.42	59/64	155	276	6713
23.50		155	276	6713
23.75		160	281	6713
23.81	15/16	160	281	6713
24.00		160	281	6889
24.21	61/64	160	281	6889
24.25		160	281	6889
24.50		160	281	7023
24.61	31/32	160	281	7023
24.75		160	281	7335
25.00	63/64	160	281	7335
25.25		165	286	7424
25.40	1	165	286	7424
25.50		165	286	8471
25.75		165	286	8471
25.80	1.1/64	165	286	8421

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



HSS Taper Shank Twist Drill

To IS : 5103 / DIN : 345 / BS: 328 / I.S.O.



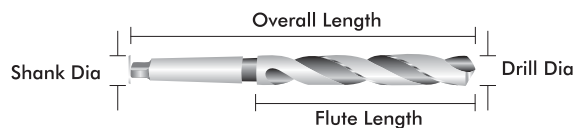
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
26.00		165	286	8421
26.19	1.1/32	165	286	8421
26.25		165	286	8469
26.50		165	286	9448
26.59	1.3/64	170	291	9039
26.75		170	291	9039
26.99	1.1/16	170	291	9432
27.00		170	291	9432
27.25		170	291	9432
27.38	1.5/64	170	291	9432
27.50		170	291	9432
27.75		170	291	9432
27.78	1.3/32	170	291	9432
28.00		170	291	10211
28.18	1.7/64	175	296	10233
28.25		175	296	10233
28.50		175	296	10233
28.57	1.1/8	175	296	10233
28.75		175	296	11058
28.97	1.9/64	175	296	10721
29.00		175	296	10721
29.25		175	296	10721
29.37	1.5/32	175	296	10721
29.50		175	296	10762
29.75		175	296	10762
29.77	1.11/64	175	296	11081
30.00		175	296	10769
30.16	1.3/16	180	301	11589
30.25		180	301	12015
30.50		180	301	12015
30.56	1.13/64	180	301	12200
30.75		180	301	12200
30.96	1.7/32	180	301	12200
31.00		180	301	13594
31.25		180	301	13594
31.35	1.15/64	180	301	14186
31.50		180	301	14186
31.75	1.1/4	185	306	15288

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT4				
32.00		185	334	15979
32.15	1.17/64	185	334	15979
32.50		185	334	15979
32.54	1.9/32	185	334	15979
32.94	1.19/64	185	334	16359
33.00		185	334	16359
33.34	1.5/16	185	334	16359
33.50		185	334	17068
33.73	1.21/64	190	339	17388
34.00		190	339	17388
34.13	1.11/32	190	339	17958
34.50		190	339	18862
34.53	1.23/64	190	339	19051
34.92	1.3/8	190	339	19051
35.00		190	339	19051
35.32	1.25/64	190	339	20000
35.50		190	339	20000
35.72	1.13/32	195	344	20000
36.00		195	344	20296
36.12	1.27/64	195	344	20714
36.50		195	344	20714
36.51	1.7/16	195	344	20714
36.91	1.29/64	195	344	20714
37.00		195	344	21221
37.31	1.15/32	195	344	21221
37.50		195	344	22610
37.70	1.31/64	200	349	24283
38.00		200	349	24283
38.10	1.1/2	200	349	24283
38.50	1.33/64	200	349	24283
38.89	1.17/32	200	349	24283
39.00		200	349	25070
39.29	1.35/64	200	349	25070
39.50		200	349	25070
39.69	1.9/16	200	349	25070
40.00		200	349	25704
40.08	1.37/64	205	354	26145

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Taper Shank Twist Drill

To IS : 5103 / DIN : 345 / BS: 328 / I.S.O.



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
40.48	1.19/32	205	354	26145
40.50		205	354	27177
40.88	1.39/64	205	354	27177
41.00		205	354	27177
41.27	1.5/8	205	354	27177
41.50		205	354	28252
41.67	1.41/64	205	354	28252
42.00		205	354	28800
42.07	1.21/32	205	354	28252
42.47	1.43/64	205	354	28966
42.50		205	354	28966
42.86	1.11/16	210	359	29326
43.00		210	359	30018
43.26	1.45/64	210	359	30018
43.50		210	359	30018
43.66	1.23/32	210	359	30018
44.00		210	359	31073
44.05	1.47/64	210	359	31073
44.45	1.3/4	210	359	31073
44.50		210	359	31073
44.85	1.49/64	210	359	31805
45.00		210	359	31805
45.24	1.25/32	215	364	31805
45.50		215	364	33237
45.64	1.51/64	215	364	33237
46.00		215	364	33237
46.04	1.13/16	215	364	33237
46.43	1.53/64	215	364	34922
46.50		215	364	34922
46.83	1.27/32	215	364	34922
47.00		215	364	34922
47.23	1.55/64	215	364	35661
47.50		215	364	35661
47.62	1.7/8	220	369	35661
48.00		220	369	38882
48.02	1.57/64	220	369	38882
48.42	1.29/32	220	369	38882
48.50		220	369	39153

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
48.82	1.59/64	220	369	39153
49.00		220	369	39153
49.21	1.15/16	220	369	39153
49.50		220	369	39575
49.61	1.61/64	220	369	39575
50.00		220	369	39575
50.01	1.31/32	225	374	39891
50.40	1.63/64	225	374	41680
50.50		225	374	41680
50.80	2	225	374	41680
MT5				
51.00		225	412	57153
51.50		225	412	57153
51.59	2.1/32	225	412	57153
52.00		225	412	57153
52.39	2.1/16	225	412	57153
52.50		225	412	80085
53.00		225	412	73652
53.18	2.3/32	230	417	73652
53.50		230	417	73652
53.97	2.1/8	230	417	73652
54.00		230	417	73652
54.50		230	417	77353
54.77	2.5/32	230	417	77353
55.00		230	417	77353
55.50		230	417	77353
55.56	2.3/16	230	417	77353
56.00		230	417	80616
56.36	2.7/32	230	417	80616
56.50		230	417	80616
57.00		235	422	80616
57.15	2.1/4	235	422	80616
57.50		235	422	87984
57.94	2.9/32	235	422	87984
58.00		235	422	87984
58.50		235	422	87984
58.74	2.5/16	235	422	87984
59.00		235	422	89669
59.50		235	422	89669
59.53	2.11/32	235	422	89669
60.00		235	422	89669

SIZE RANGE		MT NO.	INSTEAD OF MT NO.
MM	INCH		
11.8 to 14.0	15/32 to 35/64	2	1
18.0 to 23.0	23/32 to 29/32	3	2
26.5 to 31.75	1.3/64 to 1.1/4	4	3
40.0 to 50.80	1.37/64 to 2	5	4
63.0 to 66.67	2.1/2 to 2.5/8	6	5

Special notes:

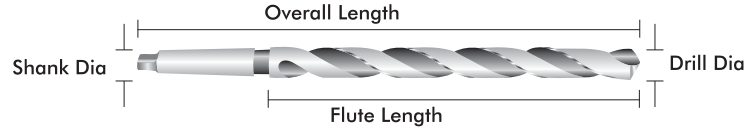
1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills will be charged 25% Extra.
3. Over size shank drills to IS:5104 in the following range 10% Extra will be charged.

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



HSS Taper Shank Twist Long Series Drill

To IS : 8305 -1976



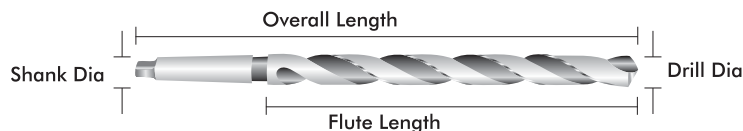
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT1				
5.00		74	155	1953
5.16	13/64	74	155	1977
5.20		74	155	1997
5.50		80	161	2019
5.56	7/32	80	161	2019
5.80		80	161	2019
5.95	15/64	80	161	2019
6.00		80	161	2019
6.20		86	167	2646
6.35	1/4	86	167	2646
6.50		86	167	2646
6.75	17/64	93	174	2669
6.80		93	174	2687
7.00		93	174	2646
7.14	9/32	93	174	2930
7.20		93	174	3039
7.50		93	174	2646
7.54	19/64	100	181	2820
7.80		100	181	2972
7.94	5/16	100	181	2952
8.00		100	181	2930
8.20		100	181	2994
8.33	21/64	100	181	2930
8.50		100	181	2687
8.73	11/32	107	188	3014
8.80		107	188	3297
9.00		107	188	2994
9.13	23/64	107	188	3319
9.20		107	188	3644
9.50		107	188	3384
9.52	3/8	116	197	3600
9.80		116	197	3904
9.92	25/64	116	197	3710
10.00		116	197	3536
10.20		116	197	3904
10.32	13/32	116	197	3728
10.50		116	197	3579

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
10.72	27/64	125	206	3644
10.80		125	206	3728
11.00		125	206	3728
11.11	7/16	125	206	4398
11.20		125	206	3859
11.50		125	206	4398
11.51	29/64	125	206	3859
11.80		125	206	3859
11.91	15/32	134	215	4443
12.00		134	215	5050
12.20		134	215	5050
12.30	31/64	134	215	5050
12.50		134	215	5050
12.70	1/2	134	215	5074
12.80		134	215	5095
13.00		134	215	5095
13.10	33/64	134	215	5203
13.20		134	215	5334
13.49	17/32	142	223	5506
13.50		142	223	5699
13.80		142	223	5699
13.89	35/64	142	223	5699
14.00		142	223	5699
MT2				
14.25		147	245	7176
14.29	9/16	147	245	7608
14.50		147	245	7608
14.68	37/64	147	245	7454
14.75		147	245	7454
15.00		147	245	7608
15.08	19/32	153	251	7498
15.25		153	251	7542
15.48	39/64	153	251	7542
15.50		153	251	7542
15.75		153	251	7542
15.87	5/8	153	251	7734
16.00		153	251	7759
16.25		159	257	7759

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Taper Shank Twist Long Series Drill

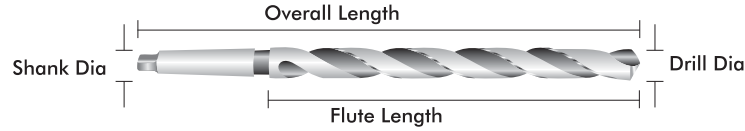
To IS : 8305 -1976



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
16.27	41/64	159	257	8018
16.50		159	257	8278
16.67	21/32	159	257	8278
16.75		159	257	8278
17.00		159	257	8278
17.07	43/64	165	263	8346
17.25		165	263	8410
17.46	11/16	165	263	8561
17.50		165	263	8710
17.75		165	263	8841
17.86	45/64	165	263	9016
18.00		165	263	9186
18.25		171	263	9186
18.26	23/32	171	269	9186
18.50		171	269	9186
18.65	47/64	171	269	9254
18.75		171	269	9294
19.00		171	269	9294
19.05	3/4	177	275	9537
19.25		177	275	9798
19.45	49/64	177	275	9798
19.50		177	275	9798
19.75		177	275	9798
19.84	25/32	177	275	9360
20.00		177	275	8951
20.24	51/64	184	282	9016
20.25		184	282	9080
20.50		184	282	9080
20.64	13/16	184	282	9274
20.75		184	282	9472
21.00		184	282	9472
21.03	53/64	184	282	10466
21.25		191	289	11484
21.43	27/32	191	289	11656
21.50		191	289	11808
21.75		191	289	11808
21.83	55/64	191	289	11942
22.00		191	289	11047

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
22.22	7/8	191	289	12586
22.25		191	289	13130
22.50		198	296	13175
22.62	57/64	198	296	13303
22.75		198	296	13432
23.00		198	296	13432
23.02	29/32	198	296	14428
MT3				15802
23.25		198	319	15406
23.42	59/64	198	319	15600
23.50		198	319	15817
23.75		206	327	16310
23.81	15/16	206	327	16141
24.00		206	327	16359
24.21	61/64	206	327	16405
24.25		206	327	16664
24.50		206	327	16664
24.61	31/32	206	327	17029
24.75		206	327	17397
25.00	63/64	206	327	17397
25.25		214	335	17746
25.40	1	214	335	17075
25.50		214	335	
25.75		214	335	16403
26.00		214	335	16574
26.19	1.1/32	214	335	17160
26.25		214	335	17765
26.50		214	335	17765
26.75		222	343	21492
26.99	1.1/16	222	343	21857
27.00		222	343	22207
27.25		222	343	22207
27.50		222	343	22271
27.75		222	343	22271
27.78	1.3/32	222	343	23312
28.00		222	343	24351
28.25		230	351	24568
28.50		230	351	24568

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
28.57	1.1/8	230	351	24935
28.75		230	351	25324
29.00		230	351	25737
29.25		230	351	25737
29.37	1.5/32	230	351	25780
29.50		230	351	25823
29.75		230	351	25823
30.00		230	351	26365
30.16	1.3/16	239	360	26037
30.25		239	360	25711
30.50		239	360	25211
30.75		239	360	26127
30.96	1.7/32	239	360	25839
31.00		239	360	25650
31.25		239	360	25650
31.50		239	360	26777
31.75	1.1/4	248	369	26993
MT4				
32.00		248	397	29138
32.50		248	397	33014
32.54	1.9/32	248	397	33405
33.00		248	369	33817
33.34	1.5/16	348	369	34401
33.50		248	369	34964
34.00		257	406	35855
34.13	1.11/32	257	406	35290
34.50		257	406	34683
34.92	1.3/8	257	406	34834
35.00		257	406	35010
35.50		257	406	37109
35.72	1.13/32	267	416	38128
36.00		267	416	39145
36.50		267	416	39947
36.51	1.7/16	267	416	40448
37.00		267	416	40943
37.31	1.15/32	267	416	42266
37.50		267	416	46584
38.00		277	426	43390

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
38.10	1.1/2	277	426	44059
38.50		277	426	44734
38.89	1.17/32	277	426	46057
39.00		277	426	47376
39.50		277	426	47376
39.69	1.9/16	277	426	47981
40.00		277	426	48591
40.48	1.19/32	287	436	50213
40.50		287	436	51839
41.00		287	436	51839
41.27	1.5/8	287	436	52856
41.50		287	436	58876
42.00		287	436	58876
42.07	1.21/32	287	436	54570
42.50		287	436	55260
42.86	1.11/16	298	447	56558
43.00		298	447	57880
43.50		298	447	57880
43.66	1.23/32	298	447	58902
44.00		298	447	59920
44.45	1.3/4	298	447	59920
44.50		298	447	59920
45.00		298	447	61328
45.24	1.25/32	310	459	63125
45.50		310	459	64923
46.00		310	459	64923
46.04	1.13/16	310	459	69256
46.50		310	459	72742
46.83	1.27/32	310	459	72742
47.00		310	459	72742
47.50		310	459	74258
47.62	1.7/8	321	470	78027
48.00		321	470	81290
48.42	1.29/32	321	470	82099
48.50		321	470	82400
49.00		321	470	82400
49.21	1.15/16	321	470	82271
49.50		321	470	82163
50.00		321	470	82163

Special notes:

1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Minimum ordering value per size should be worth Rs. 10,000/- gross.

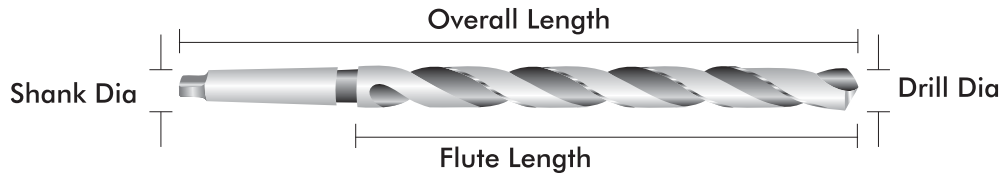
Terms & Conditions:

1. Prices are F.O.R. Destination.
2. Prices are subject to revision without prior notice.
3. All legal proceedings are subject to Mumbai Jurisdiction.

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Taper Shank Twist Extra Long Series Drill

To IS : 7822 / DIN : 328



Size		Over all Length in mm			
mm	inch	200	225	250	275
3.00	1/8	2771	3287	3646	4008
3.50		2771	3399	3780	4166
4.00	5/32	2679	3287	3669	4030
4.50		3195	3579	3986	4814
5.00	3/16	3060	3443	3828	4634
5.50		2950	3646	4119	4476
6.00		2950	3646	4119	4476
6.35	1/4	3309	3715	3962	4998
6.50		3309	3715	4367	4998
7.00		3174	3557	4188	4791
7.50		3490	3917	4188	5221
7.94	5/16	3355	3759	4300	5019
8.00		3355	3759	4522	5019
8.50		3443	3870	4522	5151
9.00		3625	4074	4522	5444
9.50		3625	4074	4590	5444
9.52	3/8	3736	4074	5535	5444
10.00		3669	4119	5510	5510
10.50		4434	4970	5691	6096
11.00		4411	5130	5691	6077
11.11	7/16	4567	5130	5535	6277
11.50		4567	4970	5535	6277
12.00			4970	5535	6702
12.50			4970	6551	6702
12.70	1/2			7040	6702
13.00				7040	8459
13.50				7896	9110
14.00				7896	9110
14.29	9/16			7896	8684
14.50				7828	8684
15.00				8009	8684
15.50				8054	8570
15.87	5/8			8592	8819
16.00				8592	8819
16.50					9200
17.00					9200

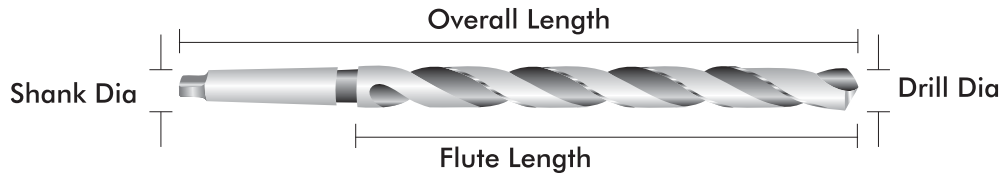
Size		Over all Length in mm				
mm	inch	300	315	325	350	375
3.00	1/8	4476		5379		
3.50		4727	4727	5624		
4.00	5/32	4567	4567	5444		
4.50		5379	5379	5827		
5.00	3/16	5175	5175	5604		
5.50		4970	4970	6007		
6.00		4970	4970	6007	6186	
6.35	1/4	5559	5559			
6.50		5559	5559	6702		
7.00		5356	5356	7084		
7.50		5942	5942	7084		
7.94	5/16	5717	5717	6792		
8.00		5717	5717	6792		
8.50		5872	5872	6972		
9.00		6164	6164	7356		
9.50		6164	6164	7356		
9.52	3/8	6164	6164	7356		
10.00		6254	6254	7447	8030	9381
10.50		6636	6636	8705	8705	10370
11.00		6616	6616	8076	8684	10347
11.11	7/16	6839	6839	8346	8973	10683
11.50		6839	6839	8346	8973	10683
12.00		7468	7468	8998	8730	11425
12.50		7468	7468	8998	9695	11425
12.70	1/2	7468	7468	8998	9695	11425
13.00		9245	9245	10008	10773	13000
13.50		9942	9942	10773	11605	13965
14.00		9942	9942	10773	11605	13675
14.29	9/16	9469	9469	11291	12168	14215
14.50		9469	9469	11291	12168	12168
15.00		9469	9469	11291	12168	14215
15.50		9359	9359	11135	12013	14014
15.87	5/8	9627	9627	11471	12351	14438
16.00		9627	9627	11471	12351	14438
16.50		10033	10033	11944	12865	15046
17.00		10033	10033	11944	12865	15046

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



HSS Taper Shank Twist Extra Long Series Drill

To IS : 7822 / DIN : 328

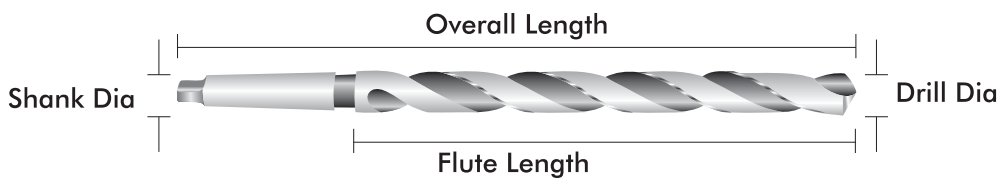


Size		Over all Length in mm				
mm	inch	300	315	325	350	375
17.45	11/16	10302	10302	12283	13226	15450
17.50		10302	10302	12283	13226	15450
18.00		10639	10639	12686	13653	15944
18.50		10639	10639	12686	13653	15944
19.00		10773	10773	12821	13808	16147
19.05	3/4	10773	10773	12821	13808	16147
19.50		11069	11069	13204	14215	16620
20.00		11900	11900	12956	13876	16374
20.50		11810	11810	12799	13762	16214
20.64	13/16	12303	12303	13338	14352	16914
21.00		12303	12303	13338	14352	16914
21.50		12731	12731	13808	14867	17521
22.00		12979	12979	14057	15136	17835
22.22	7/8	13856	13856	15001	16170	17317
22.50		13856	13856	15001	16170	17317
23.00		14126	14126	15315	16485	17655
23.50		15428	15428	16711	17993	19275
23.81	15/16	15586	15586	16888	18172	19475
24.00		15586	15586	16888	18172	19475
24.50		15855	15855	17184	18488	19813
25.00			17946	19319	20712	
25.40	1			19319	22398	
25.50				20915	22398	
26.00				21142	22648	
26.50				22648	24266	
26.99	1.1/16			23524	25209	
27.00				23524	25209	
27.50				23592	25276	
28.00				25795	27637	
28.50				25436	27255	
28.57	1.1/8			25436	27255	
29.00				26627	28538	
29.50				26738	28650	
30.00				27299	29236	
30.16	1.3/16			27299	29236	
31.00				27615	29596	

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.

HSS Taper Shank Twist Extra Long Series Drill

To IS : 7822 / DIN : 328



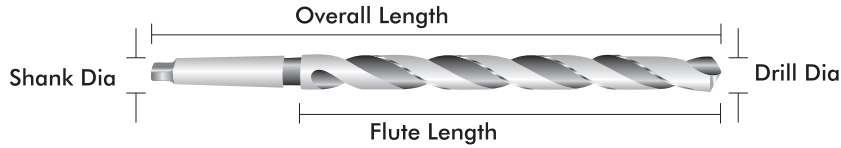
Size		Over all Length in mm				
mm	inch	400	425	450	475	500
10.00		10008				
10.50		11069				
11.00		11022				
11.11	7/16	11405				
11.50		11405				
12.00		10630				
12.50		12168				
12.70	1/2	12168				
13.00		12594				
13.50		14912				
14.00		14574		19185		
14.29	9/16	15158	18124			
14.50		15158	18124	19185	23996	25276
15.00		15158	18124	19185	23996	25276
15.50		14956	17881	18936	23681	24917
15.87	5/8	15382	18396	19475	24354	25638
16.00		15382	18396	19475	24354	25638
16.50		16035	19162	20308	25390	26738
17.00		16035	19162	20872	26111	26738
17.45	11/16	16485	19725	20872	26111	27481
17.50		16485	19725	20872	26111	27481
18.00		17026	20353	21547	26942	28361
18.50		17026	20353	21547	26942	28361
19.00		17226	20575	21793	27255	28697
19.05	3/4	17226	20575	21793	27255	28697
19.50		17722	21185	22424	28045	29530
20.00		17452	20242	21434	27326	28766
20.50		17317	20063	21230	27100	28518
20.64	13/16	18058	20915	22154	28246	29732
21.00		18058	20915	22154	28246	29732
21.50		18666	21658	22937	29236	30788
22.00		19028	22063	23344	29775	31350
22.22	7/8	18463	21589	22848	26335	27707
22.50		18463	21589	22848	26335	27707
23.00		18847	22018	23322	26853	28246
23.50		20555	24041	25457	29303	30853
23.81	15/16	20779	24266	25706	29596	31148
24.00		20779	24266	25706	29596	31148
24.50		21142	25276	26761	31371	33037
25.00		22086	25817	27326	31461	33128
25.40	1	23905	27930	29573	34070	35848
25.50		23905	27930	29573	34070	35848

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



HSS Taper Shank Twist Extra Long Series Drill

To IS : 7822 / DIN : 328



Size		Over all Length in mm					
mm	inch	400	425	450	475	500	525
26.00		24154	28246	29907	34429	36252	
26.50		25885	27504	29124	33822	35599	
26.99	1.1/16	26877	28563	30226	35104	36951	
27.00		26877	28563	30226	35104	36951	
27.50		26963	28650	30338	35214	37084	
28.00		29483	32899	34811	38500	40525	
28.50		29078	32427	34339	37961	39964	
28.57	1.1/8	29078	32427	34339	37961	39964	
29.00		30427	33959	35958	39761	41852	
29.50		30561	34093	36093	39915	42007	
30.00		31191	34811	36859	40747	42884	
30.16	1.3/16	31191	34811	36859	40747	42884	
31.00		31552	35621	37714	39806	41917	
31.75	1.1/4	31552	35621	37714	39806	41917	
32.00		32495	36681	38834	41019	43156	53319
33.00		33282	37555	39780	41985	44191	54601
33.34	1.5/16	33282	37555	39780	41985	47584	54601
34.00		34565	39016	41313	43604	45897	56714
34.92	1.3/8	38185	40566	42974	48188	51565	53250
35.00		38185	40566	42974	48188	50732	53250
36.00		39063	41513	43964	52576	55343	58107
36.51	1.7/16	40861	43425	45964	54980	55521	60782
37.00		40861	43425	45964	54980	57881	60782
38.00		42300	44931	47584	56917	59930	62921
38.10	1.1/2	42300	44931	47584	56917	57613	62921
39.00		46348	49068	51969	58512	61593	68701
40.00		47384	50328	53296	59996	63169	70476
41.00						65841	
41.27	1.5/8					65841	
42.00						68406	
43.00						71690	
44.00						74210	
44.45	1.3/4					75960	
45.00						75960	
45.50	1.13/16					78326	
46.00						78326	
47.00						82261	
47.62	1.7/8					90332	
48.00						90332	
49.00	1.15/16					91006	
50.00						90736	

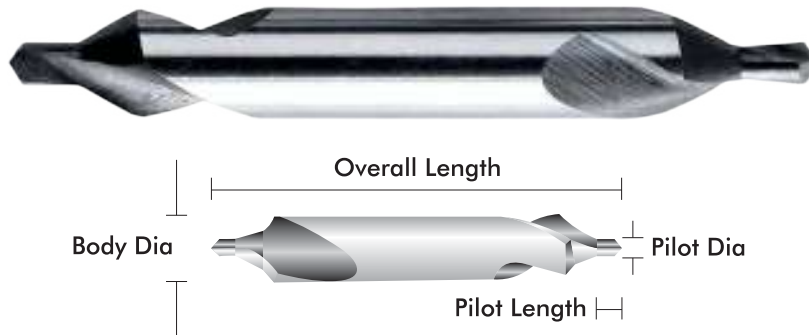
Special notes:

1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. All sizes (in Dia and Length) should be ordered in multiples of 5 upto dia 25.40 mm.
3. Minimum ordering value per size should be worth Rs. 15,000 /- gross.
4. For specials and unlisted sizes please refer to us.
5. Other details will be maintained as per IS:7822

Terms & Conditions:

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2. Prices are subject to revision without prior notice.
3. All legal proceedings are subject to Mumbai Jurisdiction.

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



TYPE 'A' AS PER IS-6708/1977

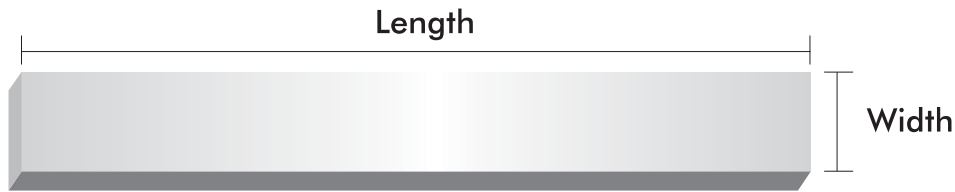
Pilot Dia mm k 12	Body Dia mm h9	Pilot Length mm				Price 1 N
		Max.	Min.	Max.	Min.	
1.00	3.15	33.5	29.5	1.9	1.3	370
1.25	3.15	33.5	29.5	2.2	1.6	370
1.60	4.00	37.5	33.5	2.8	2.0	370
2.00	5.00	42.0	38.0	3.3	2.5	370
2.50	6.30	47.0	43.0	4.1	3.1	413
3.15	8.00	52.0	48.0	4.9	3.9	605
4.00	10.00	59.0	53.0	6.2	5.0	755
5.00	12.50	66.0	60.0	7.5	6.3	1250

TYPE 'B' AS PER IS-6709/1977

Pilot Dia mm k 12	Body Dia mm h9	Overall Length mm		Pilot Length mm		Price 1 N
		Max.	Min.	Max.	Min.	
1.60	6.30	47	43	2.8	2.0	732
2.00	8.00	52	48	3.3	2.5	1050
2.50	10.00	59	53	4.1	3.1	1322
3.15	11.20	63	57	4.9	3.9	1751
4.00	14.00	70	64	6.2	5.0	2084

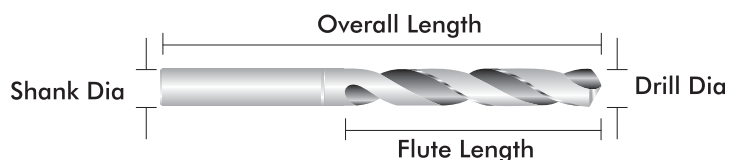
AS PER B.S. 328 (PART 2)

Size	Pilot Dia Inch	Body Dia Inch	Pilot Length Inch		OAL Inch	Tolerance on Overall Length	Price 1 N
			Max.	Min.			
BS 1	3/64	1/8	5/64	1/16	1.1/2	± 1/32	370
BS 2	1/16	3/16	3/32	5/64	1.3/4	± 1/33	370
BS 3	3/32	1/4	5/32	1/8	2	± 1/16	413
BS 4	1/8	5/16	3/16	5/32	2.1/4	± 1/16	642
BS 5	3/16	7/16	9/32	1/4	2.1/2	± 3/32	808
BS 6	1/4	5/8	0.375	0.312	3.093	2.906	1366



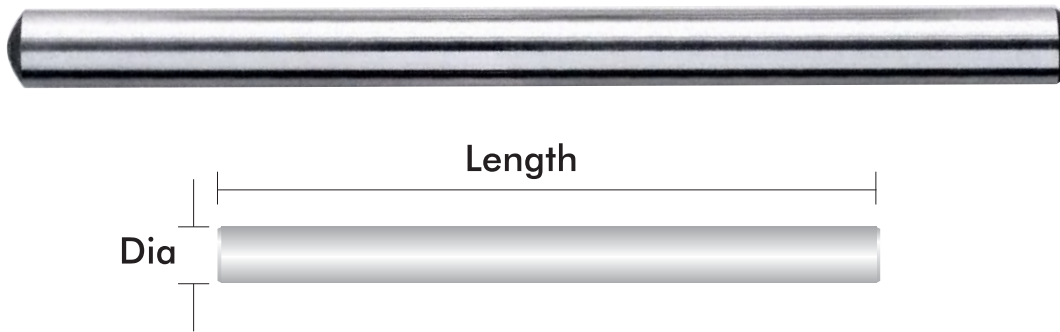
Size in Inch	Size in MM	Price (RS.) Each			
		JK (KT-0)	JK (KT-5)	JK (KT-8)	JK (KT-10)
3/16 x 3	5 x 75	160	280	356	373
3/16 x 4	5 x 100	202	416	533	551
3/16 x 6	5 x 150	315	760	1138	1152
1/4 x 3	6 x 75	174	364	481	498
1/4 x 4	6 x 100	217	485	639	658
1/4 x 6	6 x 150	305	795	1063	1085
5/16 x 3	8 x 75	192	468	624	639
5/16 x 4	8 x 100	264	658	873	888
5/16 x 6	8 x 150	432	1035	1384	1401
3/8 x 3	10 x 75	248	553	747	763
3/8 x 4	10 x 100	288	723	994	1011
3/8 x 6	10 x 150	467	1157	1579	1596
3/8 x 8	10 x 200	635	1637	2270	2286
1/2 x 3	12 x 75	364	864	1208	1243
1/2 x 4	12 x 100	478	1157	1579	1615
1/2 x 6	12 x 150	742	1776	2497	2536
1/2 x 8	12 x 200	964	2481	3490	3526
5/8 x 4	16 x 100	758	1896	2676	2712
5/8 x 6	16 x 150	1166	2860	3915	3966
5/8 x 8	16 x 200	1483	3910	5493	5562
3/4 x 4	20 x 100	1014	2653	3684	3721
3/4 x 6	20 x 150	1601	3962	5403	5455
3/4 x 8	20 x 200	2135	5304	7387	7475
1 x 6	25 x 150	2673	6576	9048	9157
1 x 8	25 x 200	3635	8765	12077	12201

Super Granit Masonry Bit & Masonry Bit



Size		Length		Standard Masonry Drills Price (Rs.) Each	Super Granit Masonry Drills Price (Rs.) Each
inch	mm	flute	overall		
1/8	3.00	33	67	95	162
5/32	4.00	40	78	105	182
3/16	5.00	45	88	112	193
7/32	5.50	50	88	136	226
15/64	6.00	54	102	150	259
1/4	6.50	54	102	133	259
9/32	7.00	55	108	258	301
5/16	8.00	64	118	258	393
11/32	9.00	78	135	297	509
3/8	10.00	78	135	297	509
7/16	11.00	82	148	371	632
15/32	12.00	85	152	371	632
1/2	13.00	85	152	371	632
Masonry Bit Set (1/8 - 3/8) (5 pc)					825
Masonry Bit Set 4.00 to 10.00 mm (5 pc) (E-Com)					915

MAXIMUM RETAIL PRICE LIST PRICES IN RUPEES PER 1 NO.



Size - Diameter		dg/lg	Price (Rs.) 10 Pcs
mm	inch		
0.50 to 0.69			1130
0.70 to 0.79			1130
0.80 to 0.89	1/32		1130
0.90 to 0.99			1130
1.00 to 1.60	3/64, 1/16	61 to 53	630
1.61 to 2.78	5/64, 3/32, 7/64	52 to 36	660
2.79 to 3.00		35 to 32	690
3.05 to 3.17	1/8	31	820
3.20 to 3.57	9/64	30 to 28	830
3.60 to 4.00	5/32	27 to 22	1030
4.04 to 4.40	11/64	21 to 17	1170
4.50 to 4.80	3/16	16 to 12	1670
4.85 to 5.20	13/64	11 to 6	1660
5.22 to 5.60	7/32	5 to 8	1770
5.61 to 6.00	15/64	2,1 & A	1980
6.04 to 6.40	1/4	B to E	2180
6.50 to 6.80	17/64	F to H	2740
6.90 to 7.20	9/32	I to K	3190
7.30 to 7.50		L to M	3540
7.54 to 7.90	19/64	N	3640
7.94 to 8.20	5/16	O & P	4000
8.30 to 8.70	21/64	Q & R	4810
8.73 to 9.09	11/32	S & T	4980
9.10 to 9.50	23/64	U	5260
9.52 to 9.80	3/8	V & W	5900
9.90 to 10.20	25/64	X	6800
10.26 to 10.60	13/32	Y & Z	7210
10.70 to 11.00	27/64		7600
11.10 to 11.40	7/16		8500
11.50 to 11.80	29/64		8940
11.90 to 12.20	15/32		9590
12.30 to 12.60	31/64		10080
12.70 to 13.00	1/2		10630

- Use the shortest drill possible for the specific applications as Longer drills are :
 1. More costly
 2. Break easily
 3. Drill bell mouthed holes
- Avoid the tendency to over speed and under feed as Excessive speed causes:
 1. Premature outer corner drill wear
 2. Material work hardening
 3. Long, stringy chips
 4. Reduced drill life
 5. Increased cost per hole
- Optimising feed rate:
 1. Helps break up chips
 2. Reduces premature outer corner drill wear
 3. Reduces material work hardening
 4. Extends drill life
 5. Reduces cost per hole
- Use split point drills for drilling alloy materials as it benefits:
 1. Start at the point of contact (self-centering)
 2. Drill with less torque and thrust
 3. Break up chips
- A hole of three drill diameters or deeper should be considered a deep hole. Therefore, you should peck drill just enough to prevent chips from packing in the flutes, because chip clogging is the major cause of drill breakage.
- When drilling harder materials (i.e. above HRC 35) :
 1. Reduce speeds and feeds to prevent points from burning and drilling breakage.
 2. Use cobalt drills as their higher hardness and heavy-duty construction are designed for drilling harder-materials.

- Use steam tempered. The black oxide surface laser holds the coolants and lubricates to the surface of the drill retarding material build-up. This treatment also improves toughness.
- You should Novrease speeds and feeds as follows:

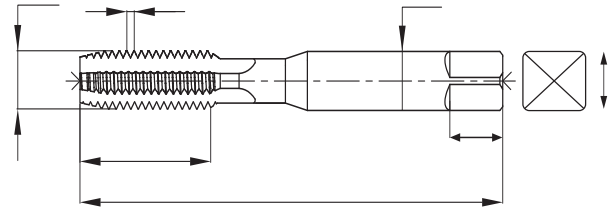
Speed and feed Reduction (Based upon hole depth)		
Holes Depth To Diameter Ratio (times drill diameter)	Speed Reduction	Feed Reduction
3	10%	10%
4	20%	10%
5	30%	20%
6	35-40%	20%

- Use coolant whenever possible, this will keep the drill cooler. Chip welding and breakage are also reduced. Coolant helps the drill to last and will give the drill a better chance of operating without failing.
- Chips should be short and broken up.
- Keep drills sharp! Sharp drills perform better and last longer. Sharp drills also increase productivity and have a reduced tendency to break.
- Chuck drill on shank area only, not in the flute area



JK HSS / Hand Short Machine / Long Shank Machine (Coarse Pitch)

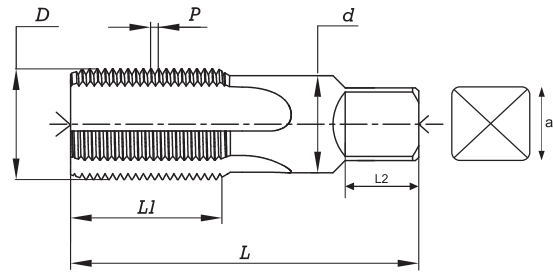
IS : 6175 - PART 2 & 3 & 4 - 1992 6H TOL



Taps Size	Standard Taps		SPPT	SPPT Tin	Spiral Flute	Spiral Flute Tin	Long Shank A, C & D	Long Shank Type B
	Price / Each	Price / Set	Price / Each	Price / Each	Price / Each	Price / Each	Price / Each	Price / Each
M3X0.5	386	1158	447	624	565	657	846	1000
M3.5X0.6	386	1158	480		565	657	846	1000
M4X0.7	386	1158	480	624	565	657	846	1000
M4.5X0.75	411	1232	510		602	700	846	1000
M5X0.8	411	1232	510	657	612	692	595	739
M6X1.0	411	1232	510	657	612	692	641	794
M7X1.0	524	1572	619				735	864
M8X1.25	494	1482	591	884	799	953	699	864
M9X1.25	598	1794	729				874	1081
M10X1.5	598	1794	729	1122	1010	1201	874	1081
M11X1.5	925	2775	1116				1229	1549
M12X1.75	925	2775	1116	1474	1357	1621	1229	1549
M14X2.0	1324	3972	1602	2108	2060	2390		
M16X2.0	1349	4047	1632	2207	2090	2504		
M18X2.5	2055	6165	2487	3212	2793	3212		
M20X2.5	2604	7812	3151	4148	4150	4701		
M22X2.5	2812	8436	3403	4423	4250	4815		
M24X3.0	3114	9342	3768	4898	4480	5185		

Terms & Conditions:

- These are the current prices and supersede all previous price-Lists.
- Prices are subject to alteration without notice and all pending orders, if any, will be invoiced at the rates ruling on the date of delivery.
- All Legal Proceeding are subject to Mumbai Jurisdiction.



Taps Size	TPI				Price/Unit for BSW, UNC, UNF	TPI BSP	Price/Unit for BSP
	UNC	UNF	BSW	BSF			
1/8	40		40		405	28	649
3/16	24		24	32	405		
1/4	20	28	20	26	412	19	994
5/16	18	24	18	22	477		
3/8	16	24	16	20	569	19	1273
7/16	14	20	14	18	739		
1/2	13	20	12	16	932	14	2115
9/16	12	18	12	16	1343		
5/8	11	18	11	14	1343	14	2230
3/4	10	16	10	12	2067	14	3140
7/8	9	14	9	11	2761		
1	8	12	8	10	3575	11	4928

Terms & Conditions:

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- All Legal Proceeding are subject to Mumbai Jurisdiction.



JK HSS / Hand Short Machine/ (Fine Pitch)

IS : 6175 - PART 2 & 3 & 4 - 1992 6H TOL



Taps Size	Standard Taps	SPPT	SPPT Tin	Spiral Flute	Spiral Flute Tin
M 4X0.35	660	791	1012	779	872
M 4X0.5	660	791	1012	779	872
M 4X0.75	603	766	980	706	804
M 5X0.5	647	774	991	802	882
M 5X0.75	647	774	991	802	882
M 6X0.75	647	774	991	789	884
M 8X1.0	677	809	1035	846	981
M 9X1.0	833	1064	1362	1000	1169
M 10X1.0	768	930	1213	998	1168
M 10X1.25	768	930	1213	998	1158
M 12X1.0	1259	1424	1595	1599	1839
M 12X1.25	1259	1424	1598	1599	1839
M 12X1.5	1259	1424	1598	1561	1811
M 14X1.5	1567	1886	2131	2006	2347
M 14X1.25	1650	1988	2227	2112	2450
M 14X1.0	1615	1942	2175	2099	2435
M 16X1.5	1597	1922	2207	2076	2429
M 16X1.0	1646	1979	2256	2123	2484

Terms & Conditions:

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- Prices are subject to alteration without notice and all pending orders, if any, will be invoiced at the rates ruling on the date of delivery.
- All Legal Proceeding are subject to Mumbai Jurisdiction.

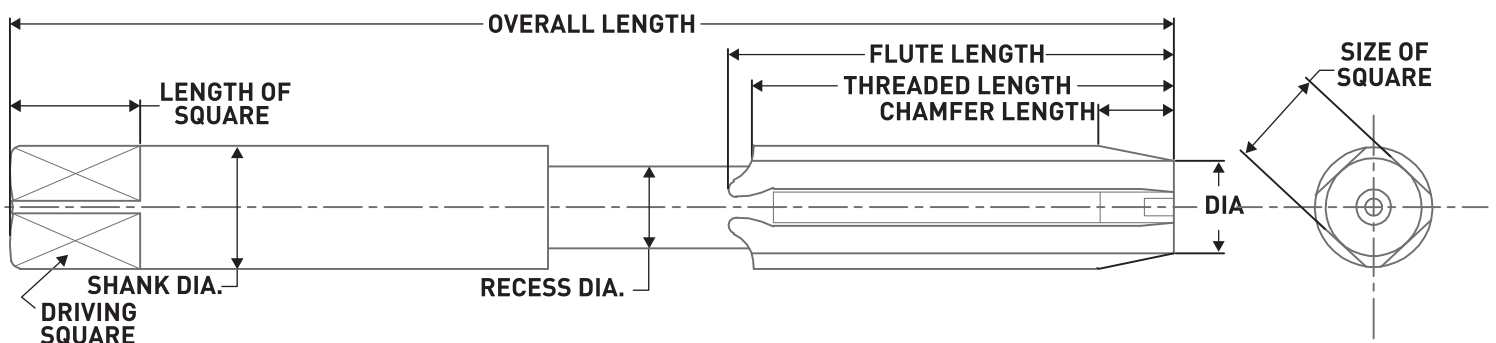
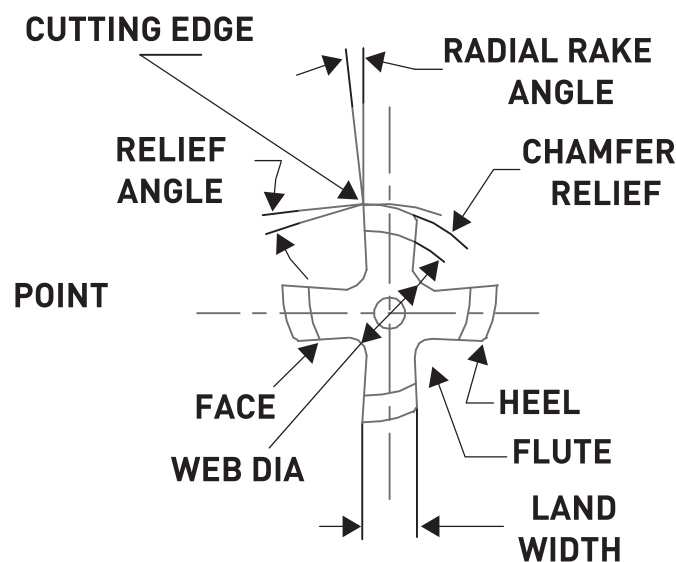
These are straight flute general purpose taps which can be used for both machine or hand tapping. They are generally the most economical tool for use on production runs, but are best on materials that produce chips, or where the swarf breaks readily. Where deep holes are to be tapped, in materials which produce stringy swarf, other types of taps may be needed, especially for coarse threads.

Hand taps can be supplied in sets of three; bottom, second and taper leads, or individually.

BOTTOM TAPS have a chamfer (lead) of 1–2 threads, the angle of the lead being around 18 degrees per side. They are used to produce threads close to the bottom of blind holes.

SECOND TAPS have a lead of 3-5 threads at 8 degrees per side. They are the most popular and can be used for through holes, or blind holes where the thread does not need to go right to the bottom.

TAPER TAPS have a lead of 7-10 threads at 5 degrees per side. The taper lead distributes the cutting force over a large area, and the taper shape helps the thread to start. They can therefore be used to start a thread prior to use of second or bottom leads, or for through holes.





Carbide Tipped Annular Cutter

Cutting Depth : 35 MM



Sr. No.	Description	Item Codes	M.R.P.
1	Carbide Tipped Annular Cutter 12*35	JKSDAC1235C	2645
2	Carbide Tipped Annular Cutter 13*35	JKSDAC1335C	2645
3	Carbide Tipped Annular Cutter 14*35	JKSDAC1435C	2645
4	Carbide Tipped Annular Cutter 15*35	JKSDAC1535C	2645
5	Carbide Tipped Annular Cutter 16*35	JKSDAC1635C	2645
6	Carbide Tipped Annular Cutter 17*35	JKSDAC1735C	2645
7	Carbide Tipped Annular Cutter 18*35	JKSDAC1835C	2645
8	Carbide Tipped Annular Cutter 19*35	JKSDAC1935C	2645
9	Carbide Tipped Annular Cutter 20*35	JKSDAC2035C	2645
10	Carbide Tipped Annular Cutter 21*35	JKSDAC2135C	2645
11	Carbide Tipped Annular Cutter 22*35	JKSDAC2235C	2645
12	Carbide Tipped Annular Cutter 23*35	JKSDAC2335C	2645
13	Carbide Tipped Annular Cutter 24*35	JKSDAC2435C	2645
14	Carbide Tipped Annular Cutter 25*35	JKSDAC2535C	2645
15	Carbide Tipped Annular Cutter 26*35	JKSDAC2635C	2950
16	Carbide Tipped Annular Cutter 27*35	JKSDAC2735C	2848
17	Carbide Tipped Annular Cutter 28*35	JKSDAC2835C	2848
18	Carbide Tipped Annular Cutter 29*35	JKSDAC2935C	2848
19	Carbide Tipped Annular Cutter 30*35	JKSDAC3035C	3300
20	Carbide Tipped Annular Cutter 31*35	JKSDAC3135C	3561

Sr. No.	Description	Item Codes	M.R.P.
21	Carbide Tipped Annular Cutter 32*35	JKSDAC3235C	3561
22	Carbide Tipped Annular Cutter 33*35	JKSDAC3335C	3561
23	Carbide Tipped Annular Cutter 34*35	JKSDAC3435C	3561
24	Carbide Tipped Annular Cutter 35*35	JKSDAC3535C	3561
25	Carbide Tipped Annular Cutter 36*35	JKSDAC3635C	4069
26	Carbide Tipped Annular Cutter 37*35	JKSDAC3735C	4069
27	Carbide Tipped Annular Cutter 38*35	JKSDAC3835C	4069
28	Carbide Tipped Annular Cutter 39*35	JKSDAC3935C	4069
29	Carbide Tipped Annular Cutter 40*35	JKSDAC4035C	4069
30	Carbide Tipped Annular Cutter 41*35	JKSDAC4135C	5087
31	Carbide Tipped Annular Cutter 42*35	JKSDAC4235C	5087
32	Carbide Tipped Annular Cutter 43*35	JKSDAC4335C	5087
33	Carbide Tipped Annular Cutter 44*35	JKSDAC4435C	5087
34	Carbide Tipped Annular Cutter 45*35	JKSDAC4535C	5087
35	Carbide Tipped Annular Cutter 46*35	JKSDAC4635C	6002
36	Carbide Tipped Annular Cutter 47*35	JKSDAC4735C	6002
37	Carbide Tipped Annular Cutter 48*35	JKSDAC4835C	6002
38	Carbide Tipped Annular Cutter 49*35	JKSDAC4935C	6002
39	Carbide Tipped Annular Cutter 50*35	JKSDAC5035C	6002

Carbide Tipped Annular Cutter






Cutting Depth : 50 MM







Sr. No.	Description	Item Codes	M.R.P.
1	Carbide Tipped Annular Cutter 12*50	JKSDAC1250C	2950
2	Carbide Tipped Annular Cutter 13*50	JKSDAC1350C	2950
3	Carbide Tipped Annular Cutter 14*50	JKSDAC1450C	2950
4	Carbide Tipped Annular Cutter 15*50	JKSDAC1550C	2950
5	Carbide Tipped Annular Cutter 16*50	JKSDAC1650C	2950
6	Carbide Tipped Annular Cutter 17*50	JKSDAC1750C	2950
7	Carbide Tipped Annular Cutter 18*50	JKSDAC1850C	2950
8	Carbide Tipped Annular Cutter 19*50	JKSDAC1950C	2950
9	Carbide Tipped Annular Cutter 20*50	JKSDAC2050C	2950
10	Carbide Tipped Annular Cutter 21*50	JKSDAC2150C	2950
11	Carbide Tipped Annular Cutter 22*50	JKSDAC2250C	2950
12	Carbide Tipped Annular Cutter 23*50	JKSDAC2350C	2950
13	Carbide Tipped Annular Cutter 24*50	JKSDAC2450C	2950
14	Carbide Tipped Annular Cutter 25*50	JKSDAC2550C	2950
15	Carbide Tipped Annular Cutter 26*50	JKSDAC2650C	3255
16	Carbide Tipped Annular Cutter 27*50	JKSDAC2750C	3255
17	Carbide Tipped Annular Cutter 28*50	JKSDAC2850C	3255
18	Carbide Tipped Annular Cutter 29*50	JKSDAC2950C	3255
19	Carbide Tipped Annular Cutter 30*50	JKSDAC3050C	3866
20	Carbide Tipped Annular Cutter 31*50	JKSDAC3150C	3866

Sr. No.	Description	Item Codes	M.R.P.
21	Carbide Tipped Annular Cutter 32*50	JKSDAC3250C	3866
22	Carbide Tipped Annular Cutter 33*50	JKSDAC3350C	3866
23	Carbide Tipped Annular Cutter 34*50	JKSDAC3450C	3866
24	Carbide Tipped Annular Cutter 35*50	JKSDAC3550C	3866
25	Carbide Tipped Annular Cutter 36*50	JKSDAC3650C	4679
26	Carbide Tipped Annular Cutter 37*50	JKSDAC3750C	4679
27	Carbide Tipped Annular Cutter 38*50	JKSDAC3850C	4679
28	Carbide Tipped Annular Cutter 39*50	JKSDAC3950C	4679
29	Carbide Tipped Annular Cutter 40*50	JKSDAC4050C	4679
30	Carbide Tipped Annular Cutter 41*50	JKSDAC4150C	6002
31	Carbide Tipped Annular Cutter 42*50	JKSDAC4250C	6002
32	Carbide Tipped Annular Cutter 43*50	JKSDAC4350C	6002
33	Carbide Tipped Annular Cutter 44*50	JKSDAC4450C	6002
34	Carbide Tipped Annular Cutter 45*50	JKSDAC4550C	6002
35	Carbide Tipped Annular Cutter 46*50	JKSDAC4650C	6409
36	Carbide Tipped Annular Cutter 47*50	JKSDAC4750C	6409
37	Carbide Tipped Annular Cutter 48*50	JKSDAC4850C	6409
38	Carbide Tipped Annular Cutter 49*50	JKSDAC4950C	6409
39	Carbide Tipped Annular Cutter 50*50	JKSDAC5050C	6409

Description	Item Codes	M.R.P.
Pilot Pin AC 6.34x90	SD7711379	520
Pilot Pin AC 6.34x105	SD7711380	520
Pilot Pin AC 7.98x90	SD7711381	620
Pilot Pin AC 7.98x105	SD7711382	620

SHAPE	JK CODE	Head Diameter mm	Head Length mm	Overall Length mm	Shank Diameter mm	MRP/PC Rs.
CONICAL 	JKSDMA1	3	8	38	3	472
	JKSDMA2	6.3	10.5	38	3	590
	JKSDA1	6	19	50	6	698
	JKSDA2	9.5	20	70	6	792
	JKSDA3	12.7	25	75	6	1070
	JKSDA4	9.5	9.5	60	6	759
	JKSDA5	16	13	63	6	1200
	JKSDA6	16	16	66	6	1469
CYLINDRICAL RADIUS END 	JKSDMB1	3	16	38	3	587
	JKSDMB2	6.3	12.7	38	3	648
	JKSDB1	6	20	50	6	828
	JKSDB2	8	19	69	6	826
	JKSDB3	9.5	19	69	6	907
	JKSDB4	12.7	19	69	6	1184
	JKSDB5	16	25	75	6	1877
	JKSDB6	12.7	25	75	6	1511
CYLINDRICAL 	JKSDMC1	3	16	38	3	639
	JKSDMC2	6.3	6.3	32	3	625
	JKSDMC3	6.3	12.7	38	3	657
	JKSDC1	3.8	14	50	6	654
	JKSDC2	6	20	70	6	825
	JKSDC3	8	19	69	6	832
	JKSDC4	9.5	19	69	6	906
	JKSDC5	12.7	19	69	6	1182
	JKSDC6	16	25	75	6	1879
	JKSDC7	12.7	14	64	6	1180
	JKSDC8	12.7	25	75	6	1662
FLAME 	JKSDF1	6.3	16	56	6	851
	JKSDF2	8	19	69	6	961
	JKSDF3	9.5	25	75	6	1077
	JKSDF4	12.7	32	82	6	1894
CONE RADIUS 	JKSDMK1	3	8	38	3	472
	JKSDMK2	6.3	12.7	38	3	590
	JKSDK1	9.5	19	69	6	894
	JKSDK2	12.7	19	69	6	1237
	JKSDK3	16	33	83	6	2155

SHAPE	JK CODE	Head Diameter mm	Head Length mm	Overall Length mm	Shank Diameter mm	MRP/PC Rs.
OVAL 	JKSDMO1	3	8	38	3	577.00
	JKSDMO2	6.3	9.5	38	3	736.00
	JKSDO1	8	12	62	6	849.00
	JKSDO2	12.7	19	69	6	1184.00
	JKSDO3	16	25	75	6	1678.00
	JKSDO4	6.3	10	60	6	979.00
BALL 	JKSDMS1	4	3.4	38	3	523.00
	JKSDMS2	2.5	2.3	38	3	445.00
	JKSDS1	6.3	6.3	56	6	648.00
	JKSDS2	8	6.4	46	6	683.00
	JKSDS3	9.5	8	58	6	704.00
	JKSDS4	12.7	11	61	6	969.00
	JKSDS5	16	14	64	6	1235.00
TREE POINTED END 	JKSDMT1	3	16	38	3	692.00
	JKSDMT2	3	13	38	3	692.00
	JKSDMT3	6.3	10	36	3	590.00
	JKSDT1	6	19	50	6	880.00
	JKSDT2	9.5	19	69	6	959.00
	JKSDT3	12.7	25	75	6	1258.00
	JKSDT4	16	32	82	6	2102.00
TREE RADIUS END 	JKSDTB1	6	19	69	6	763.00
	JKSDTB2	9.5	19	69	6	907.00
	JKSDTB3	12.7	25	75	6	1235.00

Special Note:

1. Double Cut & Diamond Cut Burrs available on request
2. Coarse Cut for Non Ferrous material & Alumina Cut Burrs also available on request



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