















# HSS Drills

Price List w.e.f. 15th July 2021



**JK Files (India) Limited**  
(A Subsidiary of **Raymond** Limited)



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### TERMS AND CONDITIONS:

1. These are the current prices and supersede all previous price-lists.
2. Govt. levies, if any, will be charged extra as applicable
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 Drills Ground Flute

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



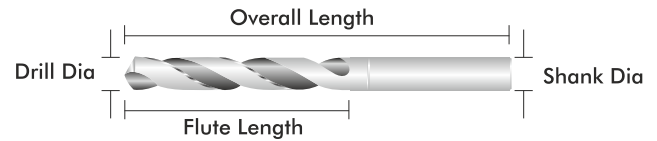
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
0.50					870
0.55			7	24	870
0.60			7	24	870
0.65			8	26	870
0.70			9	28	800
0.75	1/32		9	28	800
0.80			10	30	740
0.85			10	30	770
0.90			11	32	700
0.95			11	32	700
1.00			12	34	460
1.02		60			460
1.04		59	12	34	460
1.07		58			460
1.09		57			460
1.10			14	36	460
1.18		56			460
1.19	3/64				460
1.20			16	38	460
1.30			16	38	460
1.32		55			460
1.40		54	18	40	460
1.50			18	40	460
1.51		53			490
1.59	1/16				490
1.60			20	43	490
1.61		52			490
1.70		51	20	43	490
1.78		50			490
1.80			22	46	490
1.85		49	22	46	490
1.90			22	46	490
1.93		48			490
1.98	5/64		24	49	490
1.99		47	24	49	500
2.00			24	49	490
2.06		46	24	49	490
2.08		45	24	49	490

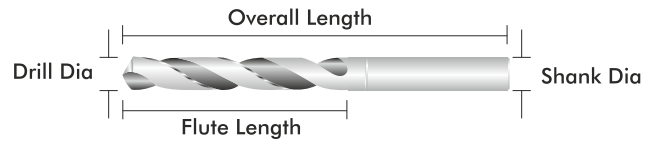
Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
2.10			24	49	490
2.18		44	27	53	500
2.20			27	53	500
2.26		43	27	53	500
2.30			27	53	500
2.37		42	30	57	500
2.38	3/32		30	57	500
2.40			30	57	500
2.44		41	30	57	500
2.49		40	30	57	500
2.50			30	57	500
2.53		39	30	57	500
2.58		38	30	57	500
2.60			30	57	500
2.64		37	30	57	520
2.70			33	61	520
2.71		36	33	61	500
2.78	7/64		33	61	500
2.79		35	33	61	500
2.80			33	61	520
2.82		34	33	61	520
2.87		33	33	61	520
2.90			33	61	520
2.95		32	33	61	520
3.00			33	61	520
3.05		31	36	65	640
3.10			36	65	640
3.17	1/8		36	65	640
3.20			36	65	710
3.26		30	36	65	710
3.30			36	65	710
3.40			39	70	710
3.45		29	39	70	710
3.50			39	70	710
3.57	9/64	28	39	70	710
3.60			39	70	890
3.66		27	39	70	960
3.70			39	70	960

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
3.73		26	39	70	960
3.80		25	43	75	960
3.86		24	43	75	960
3.90			43	75	960
3.91		23	43	75	960
3.97	5/32		43	75	940
3.99		22	43	75	940
4.00			43	75	940
4.04		21	43	75	1140
4.09		20	43	75	1140
4.10			43	75	1140
4.20			43	75	1140
4.22		19	43	75	1140
4.30		18	47	80	1140
4.37	11/64		47	80	1160
4.39		17	47	80	1160
4.40			47	80	1160
4.50		16	47	80	1410
4.57		15	47	80	1410
4.60			47	80	1410
4.62		14	47	80	1410
4.70		13	47	80	1410
4.76	3/16		52	86	1410
4.80		12	52	86	1460
4.85		11	52	86	1520
4.90			52	86	1520
4.92		10	52	86	1520
4.98		9	52	86	1520
5.00			52	86	1530
5.06		8	52	86	1530
5.10			52	86	1530
5.11		7	52	86	1530
5.16	13/64		52	86	1530
5.18		6	52	86	1530
5.20			52	86	1530
5.22		5	52	86	1750
5.30			52	86	1750
5.31		4	57	93	1750

Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
5.40			57	93	1750
5.41		3	57	93	1750
5.50			57	93	1750
5.56	7/32		57	93	1750
5.60			57	93	1750
5.61		2	57	93	1940
5.70			57	93	1940
5.79		1	57	93	1940
5.80			57	93	1940
5.90			57	93	1940
5.94		A	57	93	1940
5.95	15/64		57	93	1940
6.00			57	93	1940
6.04		B	63	101	2150
6.10			63	101	2150
6.15		C	63	101	2150
6.20			63	101	2150
6.25		D	63	101	2180
6.30			63	101	2180
6.35	1/4	E	63	101	2180
6.40			63	101	2180
6.50			63	101	2740
6.53		F	63	101	2740
6.60			63	101	2740
6.63		G	63	101	2740
6.70			63	101	2740
6.75	17/64	H	69	109	2740
6.80			69	109	2740
6.90		I	69	109	2970
7.00			69	109	2970
7.03		J	69	109	2970
7.10			69	109	2970
7.14	9/32	K	69	109	2970
7.20			69	109	3210
7.30			69	109	3210
7.37		L	69	109	3210
7.40			69	109	3210
7.49		M	69	109	3210

# HSS Straight Shank Jobber Drills Ground Flute

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



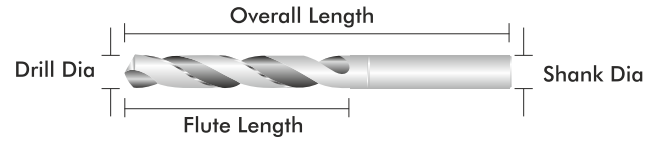
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
7.50			69	109	3210
7.54	19/64		75	117	3460
7.60			75	117	3460
7.67		N	75	117	3600
7.70			75	117	3600
7.80			75	117	3600
7.90			75	117	3600
7.94	5/16		75	117	3810
8.00			75	117	3810
8.03		O	75	117	3810
8.10			75	117	3810
8.20		P	75	117	3810
8.30			75	117	4480
8.33	21/64		75	117	4480
8.40			75	117	4690
8.43		Q	75	117	4690
8.50			75	117	4690
8.60			81	125	4690
8.61		R	81	125	4690
8.70			81	125	4690
8.73	11/32		81	125	4940
8.80			81	125	4940
8.84		S	81	125	4940
8.90			81	125	4940
9.00			81	125	4940
9.09		T	81	125	5150
9.10			81	125	5150
9.13	23/64		81	125	5150
9.20			81	125	5150
9.30			81	125	5150
9.34		U	81	125	5150
9.40			81	125	5150
9.50			81	125	5150
9.52	3/8		87	133	5860
9.58		V	87	133	5860
9.60			87	133	5860
9.70			87	133	5860
9.80		W	87	133	5860

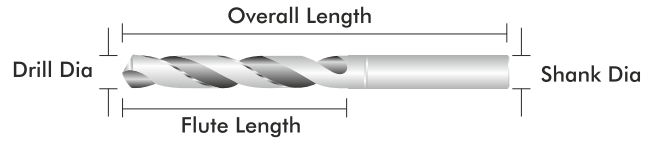
Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
9.90			87	133	6420
9.92	25/64		87	133	6420
10.00			87	133	6420
10.08		X	87	133	6420
10.10			87	133	6420
10.20			87	133	6420
10.26		Y	87	133	6740
10.30			87	133	6740
10.32	13/32		87	133	6740
10.40			87	133	7060
10.49		Z	87	133	7060
10.50			87	133	7060
10.60			87	133	7060
10.70			94	142	7060
10.72	27/64		94	142	7470
10.80			94	142	7470
10.90			94	142	7470
11.00			94	142	7470
11.10			94	142	8340
11.11	7/16		94	142	8340
11.20			94	142	8340
11.30			94	142	8340
11.40			94	142	8340
11.50			94	142	8800
11.51	29/64		94	142	8800
11.60			94	142	8800
11.70			94	142	8800
11.80			94	142	8800
11.90			101	151	9370
11.91	15/32		101	151	9370
12.00			101	151	9370
12.10			101	151	9370
12.20			101	151	9370
12.30	31/64		101	151	9970
12.40			101	151	9970
12.50			101	151	9970
12.60			101	151	9970
12.70	1/2		101	151	10220

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
12.80			101	151	10510
12.90			101	151	10510
13.00			101	151	10510
13.10	33/64		101	151	13040
13.20			101	151	13040
13.30			108	160	13040
13.40			108	160	13040
13.49	17/32		108	160	13880
13.50			108	160	13880
13.60			108	160	13880
13.70			108	160	13880
13.80			108	160	13880
13.89	35/64		108	160	15350
13.90			108	160	15350
14.00			108	160	15350
14.25			114	169	15350
14.29	9/16		114	169	15810
14.50			114	169	15810
14.68	37/64		114	169	15810
14.75			114	169	17360
15.00			114	169	17360
15.08	19/32		120	178	17360
15.25			120	178	17360
15.48	39/64		120	178	18420
15.50			120	178	18420
15.75			120	178	19430
15.87	5/8		120	178	19430
16.00			120	178	19430

Jobber Drill Set 1/16" to 1/4" (13 pc)	: - 1420
Jobber Drill Set 2.00 to 8.00 mm (13 pc)	: - 2123
Jobber Drill Set 1/16" to 1/2" (29 pc)	: - 12456
Jobber Drill Set 1/8" to 1/4" (4 pc)	: - 516
Jobber Drill Set 3/32" to 1/4" (7 pc)	: - 830
Jobber Drill Set 1.00 to 13.00 mm (25 pc)	: - 9100

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.



# HSS Straight Shank Stub Series Drills

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



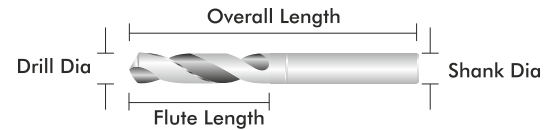
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**STUB**  
STRAIGHT SHANK



Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
1.00		6	26	460
1.19	3/64	8	30	460
1.20		8	30	460
1.50		9	32	460
1.59	1/16	10	34	470
1.80		11	36	470
1.98	5/64	12	38	470
2.00		12	38	450
2.20		13	40	450
2.38	3/32	14	43	450
2.50		14	43	450
2.78	7/64	16	46	450
2.80		16	46	530
3.00		16	46	530
3.17	1/8	18	49	610
3.20		18	49	660
3.50		20	52	660
3.57	9/64	20	52	660
3.80		22	55	870
3.97	5/32	22	55	870
4.00		22	55	870
4.20		22	55	990
4.37	11/64	24	58	990
4.50		24	58	1210
4.76	3/16	26	62	1210
4.80		26	62	1210
5.00		26	62	1310
5.16	13/64	26	62	1310
5.20		26	62	1310
5.50		28	66	1450
5.56	7/32	28	66	1450
5.80		28	66	1620
5.95	15/64	28	66	1620
6.00		28	66	1650
6.20		31	70	1850
6.35	1/4	31	70	1850
6.50		31	70	2240
6.75	17/64	34	74	2240

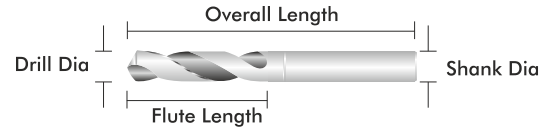
Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
6.80		34	74	2240
7.00		34	74	2470
7.14	9/32	34	74	2470
7.20		34	74	2470
7.50		34	74	2540
7.54	19/64	37	79	2780
7.80		37	79	2840
7.94	5/16	37	79	3130
8.00		37	79	3130
8.20		37	79	3130
8.33	21/64	37	79	4020
8.50		37	79	4020
8.73	11/32	40	84	4180
8.80		40	84	4180
9.00		40	84	4180
9.13	23/64	40	84	4410
9.20		40	84	4410
9.50		40	84	4410
9.52	3/8	43	89	4630
9.80		43	89	4900
9.92	25/64	43	89	5650
10.00		43	89	5650
10.20		43	89	5650
10.32	13/32	43	89	6020
10.50		43	89	6020
10.72	27/64	47	95	6810
10.80		47	95	6810
11.00		47	95	6810
11.11	7/16	47	95	7140
11.20		47	95	7560
11.50		47	95	8090
11.51	29/64	47	95	8090
11.80		47	95	8090
11.91	15/32	51	102	8020
12.00		51	102	8020
12.20		51	102	8020
12.30	31/64	51	102	8750
12.50		51	102	8750

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**STUB**  
STRAIGHT SHANK



Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
12.70	1/2	51	102	9000
12.80		51	102	9000
13.00		51	102	9000
13.20		51	102	11060
13.49	17/32	54	107	11820
13.50		54	107	11820
13.80		54	107	11820
14.00		54	107	12290
14.25		56	111	12290
14.29	9/16	56	111	12290
14.50		56	111	13370
14.75		56	111	14520
15.00		56	111	14520
15.08	19/32	58	115	14520
15.25		58	115	14520
15.50		58	115	15750
15.75		58	115	15750
15.87	5/8	58	115	15750
16.00		58	115	15750
16.25		60	119	15810
16.50		60	119	15810
16.67	21/32	60	119	15810
16.75		60	119	16160
17.00		60	119	16160
17.25		62	123	16440
17.46	11/16	62	123	16440
17.50		62	123	16450
17.75		62	123	16710
18.00		62	123	16710
18.25		64	127	16950
18.26	23/32	64	127	16950
18.50		64	127	16950
18.75		64	127	17260
19.00		64	127	17260
19.05	3/4	66	131	17260
19.25		66	131	17640
19.50		66	131	17640
19.75		66	131	17640

Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
19.84	25/32	66	131	17640
20.00		66	131	17870
20.25		68	136	18290
20.50		68	136	18290
20.64	13/16	68	136	18290
20.75		68	136	18990
21.00		68	136	18990
21.25		70	141	19200
21.43	27/32	70	141	19200
21.50		70	141	19200
21.75		70	141	20140
22.00		70	141	20140
22.22	7/8	70	141	20140
22.25		70	141	21410
22.50		72	146	21410
22.75		72	146	21710
23.00		72	146	21710
23.02	29/32	72	146	21710
23.25		72	146	22930
23.50		72	146	22930
23.75		75	151	22930
23.81	15/16	75	151	22930
24.00		75	151	25350
24.25		75	151	25350
24.50		75	151	25350
24.61	31/32	75	151	25350
24.75		75	151	27830
25.00		75	151	27830
25.25		78	156	27980
25.40	1	78	156	27980
25.50		78	156	31570
26.00		78	156	31570
26.19	1.1/32	78	156	32280
26.50		78	156	32280
26.99	1.1/16	81	162	32600
27.00		81	162	34430
27.50		81	162	34430
27.78	1.3/32	81	162	36390



# HSS Straight Shank Stub Series Drills

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



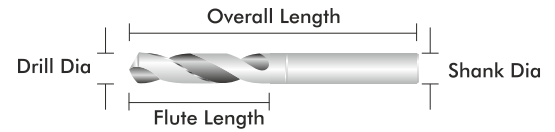
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**STUB**  
STRAIGHT SHANK



Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
28.00		81	162	36390
28.50		84	168	36710
28.57	1.1/8	84	168	36710
29.00		84	168	38550
29.37	1.5/32	84	168	42370
29.50		84	168	42370
30.00		84	168	42920
30.16	1.3/16	87	174	42920
30.50		87	174	48310
30.96	1.7/32	87	174	48310
31.00		87	174	48310
31.50		87	174	49010
31.75	1.1/4	90	180	49010
32.00		90	180	50350
32.50		90	180	51590
32.54	1.9/32	90	180	51590
33.00		90	180	51590
33.34	1.5/16	90	180	51590
33.50		90	180	54370
34.00		93	186	54370
34.13	1.11/32	93	186	59670
34.50		93	186	59670
34.92	1.3/8	93	186	59670
35.00		93	186	65560
35.50		93	186	66540
35.72	1.13/32	96	193	66540
36.00		96	193	66540
36.50		96	193	66540
36.51	1.7/16	96	193	66540
37.00		96	193	71480
37.31	1.15/32	96	193	72570
37.50		96	193	72570
38.00		100	200	72570
38.10	1.1/2	100	200	72570
38.50		100	200	81010
39.00		100	200	81010
39.50		100	200	82470
40.00		100	200	82470

### Special notes:

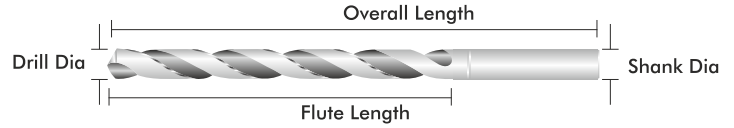
1. Intermediate or non-listed sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm (1/8") and sizes over 3.17 mm (1/8") will be charged 50% and 25% Extra respectively, subject to minimum ordering value worth Rs. 10,000/- per size.
3. All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

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**LONG  
SERIES**  
STRAIGHT SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
1.00		33	56	321
1.10		37	60	321
1.19	3/64	41	65	321
1.20		41	65	321
1.30		41	65	321
1.40		45	70	321
1.50		45	70	321
1.59	1/16	50	76	321
1.60		50	76	321
1.70		50	76	321
1.80		53	80	321
1.90		53	80	321
1.98	5/64	56	85	321
2.00		56	85	321
2.10		56	85	321
2.20		59	90	321
2.30		59	90	403
2.38	3/32	62	95	403
2.40		62	95	403
2.50		62	95	403
2.60		62	95	403
2.70		66	100	403
2.78	7/64	66	100	403
2.80		66	100	403
2.90		66	100	403
3.00		66	100	403
3.10		69	106	403
3.17	1/8	69	106	403
3.20		69	106	403
3.30		69	106	403
3.40		73	112	367
3.50		73	112	403
3.57	9/64	73	112	403
3.60		73	112	396
3.70		73	112	437
3.80		78	119	437
3.90		78	119	437
3.97	5/32	78	119	437

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
4.00		78	119	437
4.10		78	119	437
4.20		78	119	437
4.30		82	126	437
4.37	11/64	82	126	437
4.40		82	126	437
4.50		82	126	437
4.60		82	126	437
4.70		82	126	437
4.76	3/16	87	132	437
4.80		87	132	437
4.90		87	132	502
5.00		87	132	502
5.10		87	132	502
5.16	13/64	87	132	502
5.20		87	132	502
5.30		87	132	585
5.40		91	139	585
5.50		91	139	585
5.56	7/32	91	139	585
5.60		91	139	653
5.70		91	139	653
5.80		91	139	653
5.90		91	139	653
5.95	15/64	91	139	653
6.00		91	139	653
6.10		97	148	720
6.20		97	148	736
6.30		97	148	720
6.35	1/4	97	148	670
6.40		97	148	936
6.50		97	148	936
6.60		97	148	1120
6.70		97	148	1120
6.75	17/64	102	156	1120
6.80		102	156	1120
6.90		102	156	1120
7.00		102	156	1120

# HSS Straight Shank Long Series Drills

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



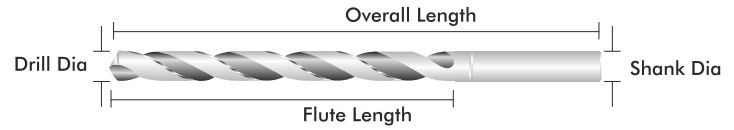
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**LONG  
SERIES**  
STRAIGHT SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
7.10		102	156	1120
7.14	9/32	102	156	1120
7.20		102	156	1120
7.30		102	156	1120
7.40		102	156	1120
7.50		102	156	1120
7.54	19/64	109	165	1120
7.60		109	165	1120
7.70		109	165	1120
7.80		109	165	1120
7.90		109	165	1152
7.94	5/16	109	165	1152
8.00		109	165	1152
8.10		109	165	1152
8.20		109	165	1152
8.30		109	165	1152
8.33	21/64	109	165	1152
8.40		109	165	1152
8.50		109	165	1169
8.60		115	175	1221
8.70		115	175	1221
8.73	11/32	115	175	1221
8.80		115	175	1470
9.00		115	175	1286
9.13	23/64	115	175	1452
9.20		115	175	1470
9.50		115	175	1286
9.52	3/8	121	184	1286
9.80		121	184	1485
9.92	25/64	121	184	1485
10.00		121	184	1336
10.20		121	184	1485
10.32	13/32	121	184	1336
10.50		121	184	1603
10.72	27/64	128	195	1819
10.80		128	195	1819
11.00		128	195	1686
11.11	7/16	128	195	1686

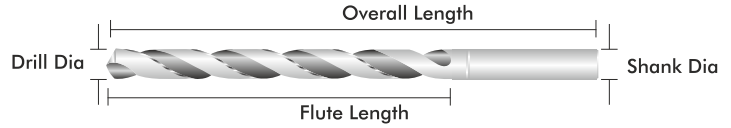
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
11.20		128	195	1954
11.50		128	195	1737
11.51	29/64	128	195	1954
11.80		128	195	1954
11.91	15/32	134	205	1737
12.00		134	205	1787
12.20		134	205	1985
12.30	31/64	134	205	1985
12.50		134	205	1787
12.70	1/2	134	205	1787
12.80		134	205	2719
13.00		134	205	2470
13.10	33/64	134	205	2753
13.20		134	205	2753
13.49	17/32	140	214	2518
13.50		140	214	2753
13.80		140	214	2987
13.89	35/64	140	214	2987
14.00		140	214	2753
14.25		144	220	2753
14.29	9/16	144	220	2753
14.50		144	220	2885
14.68	37/64	144	220	3169
14.75		144	220	2885
15.00		144	220	2885
15.08	19/32	149	227	2885
15.25		149	227	2987
15.50		149	227	2987
15.75		149	227	2987
15.87	5/8	149	227	2987
16.00		149	227	3038
16.25		154	235	3038
16.27	41/64	154	235	3385
16.50		154	235	3102
16.67	21/32	154	235	3102
16.75		154	235	3169
17.00		154	235	3169
17.07	43/64	158	241	3434

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**LONG  
SERIES**  
STRAIGHT SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
17.25		158	241	3169
17.46	11/16	158	241	3169
17.50		158	241	3385
17.75		158	241	3385
17.86	45/64	158	241	3738
18.00		158	241	3434
18.25		162	247	3434
18.26	23/32	162	247	3434
18.50		162	247	3586
18.65	47/64	162	247	3934
18.75		162	247	3654
19.00		162	247	3654
19.05	3/4	166	254	3654
19.25		166	254	3853
19.45	49/64	166	254	4219
19.50		166	254	3853
19.75	25/32	166	254	3853
19.84		166	254	3853
20.00		166	254	4103
20.24	51/64	171	261	4352
20.25		171	261	4103
20.50		171	261	4103
20.64	13/16	171	261	4103
20.75		171	261	4219
21.00		171	261	4219
21.03	53/64	171	261	4621
21.25		176	268	4352
21.43	27/32	176	268	4352
21.50		176	268	4621
21.75		176	268	4621
21.83	55/64	176	268	4936
22.00		176	268	4621
22.22	7/8	176	268	4621
22.25		176	268	4986
22.50		180	275	4986
22.62	57/64	180	275	5335
22.75		180	275	5103
23.00		180	275	5103
23.02	29/32	180	275	5103
23.25		180	275	5186
23.42	59/64	180	275	6101
23.50		180	275	5670
23.75		185	282	5670
23.81	15/16	185	282	5670
24.00		185	282	5902
24.21	61/64	185	282	6451
24.25		185	282	5902
24.50		185	282	5902
24.61	31/32	185	282	5902

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
24.75		185	282	6337
25.00	63/64	185	282	6337
25.25		190	290	6421
25.40	1	190	290	6421
25.50		190	290	7902
25.75		190	290	7902
25.80	1.1/64	190	290	8068
26.00		190	290	8068
26.19	1.1/32	190	290	8068
26.25		190	290	8703
26.50		190	290	8703
26.59	1.3/64	195	298	8885
26.75		195	298	8885
26.99	1.1/16	195	298	8885
27.00		195	298	9069
27.25		195	298	9069
27.38	1.5/64	195	298	9169
27.50		195	298	9169
27.75		195	298	9169
27.78	1.3/32	195	298	9169
28.00		195	298	10019
28.18	1.7/64	201	307	10152
28.25		201	307	10152
28.50		201	307	10152
28.57	1.1/8	201	307	10152
28.75		201	307	10235
28.97	1.9/64	201	307	10437
29.00		201	307	10437
29.25		201	307	10437
29.37	1.5/32	201	307	10437
29.50		201	307	10568
29.75		201	307	10568
29.77	1.11/64	201	307	10784
30.00		201	307	10784
30.16	1.3/16	207	316	10784
30.25		207	316	11468
30.50		207	316	11468
30.56	1.13/64	207	316	11668
30.75		207	316	11668
30.96	1.7/32	207	316	11668
31.00		207	316	12987
31.25		207	316	12987
31.35	1.15/64	207	316	13451
31.50		207	316	13451

**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 70% and 35% Extra respectively.
3. 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.
4. The minimum ordering value per size should be worth Rs. 10,000/-

# HSS Straight Shank Extra Long Series Drills

To IS: 7823 / DIN: 340 / BS: 328 / I.S.O.



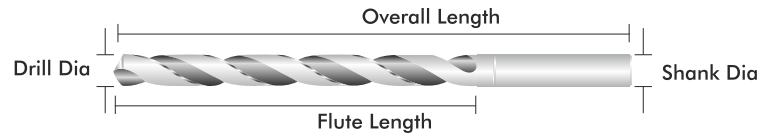
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**EXTRA LONG  
SERIES**  
STRAIGHT SHANK



Size		Over all Length in mm				
mm	inch	50	100	125	150	175
0.50		954				
0.60		885				
0.70	1/32		868			
0.80		607				
0.90						
1.00			591			
1.10			591			
1.20	3/64		591			
1.30			591		920	
1.40			591			
1.50			591	781	868	
1.60	1/16		558	729	868	
1.70			558	747	868	
1.80			558	747	868	
1.90				747	868	
2.00	5/64		747	747	904	
2.10				747	1353	
2.20				747	904	
2.30				747	904	
2.40	3/32			747	904	
2.50			1076	1076	1284	
2.60						
2.70				1059	1284	
2.80	7/64			1059	1284	
2.90						
3.00				1007	1214	1455
3.17	1/8				1214	1455
3.50	9/64				1268	1455
3.97	5/32				1197	1455
4.00				1197	1197	
4.50	11/64				1214	1507
4.76	3/16				1249	1525
5.00					1249	1525
5.50	13/64				1320	1612
5.56	7/32					
6.00	15/64				1353	1664
6.35	1/4					
9.00					1837	

Size		Over all Length in mm							
mm	inch	200	225	250	275	300	325	350	375
2.50			2097						
2.60									
2.70									
2.80	7/64	1439							
2.90									
3.00		1664	1959	2339	2962	3258			
3.17		1664	1959	2339	2962	3258			
3.50		1681	2269	2512	3326	3658		4624	
3.97		1664	2269	2529	3326	3658	4186	4572	5125
4.00		1664	2269	2529	3326	3658	4186	4572	5125
4.50		1715	2269	2529	3326	3658	4271	4691	5227
4.76		1751	2322	2582	3341	3676	4357	4778	5331
5.00		1751	2322	2582	3341	3676	4357	4778	5331
5.50		1855	2478	2754	3688	4058	4384	4797	5366
5.56		1855		2754	3688	4058	4384	4797	5366
6.00		1888	2545	2823	3654	4020	4384		5366
6.35		2373		3531	3861	4247	5600	6145	6853
6.50		2373		3531	3861	4247	5600	6145	6853
7.00	17/64	2391		3567	4120	4533	5656	6231	6923
7.14	9/32	2529		3965	4553	5009	5940	6578	7268
7.50	19/64	2529		3774	4553	5009	5940	6578	7268
7.94	5/16	2789			4745	5218	6533	7268	7996
8.00		2789	3168	4171	4745	5218	6533	7268	7996
8.50	21/64	2754		3947	4797	5277	6540	7269	8004
8.73	11/32	2754		3912	4797	5277	6540	7269	8004
9.00		2738		3912	4797	5277	6574	7318	8043
9.50	23/64	2840		4069	4778	5258	6770	7606	8286
9.52	3/8	2840		4069	4899	5390	6770	7606	8286
10.00	25/64	2894		3982	5002	5502	6928	7822	8479
10.32	13/32	3133		4328	5263	5790	7090	8037	8677
10.50		3133		4328	5263	5790	7090	8037	8677
11.00	27/64			4292	5349	5885	7091	8034	8682
11.11	7/16			4292	5349	5885	7091	8034	8682
11.50	29/64			4572	5746	6321	7154	8168	8756
11.91	15/32			4588	5746	6321	7154	8203	8756
12.00				4588	5867	6455	7154	8203	8756
12.50	31/64			4862	5867	6455	7508	8689	9189
12.70	1/2				5867	6455	7508	8689	9189

**Special notes:**

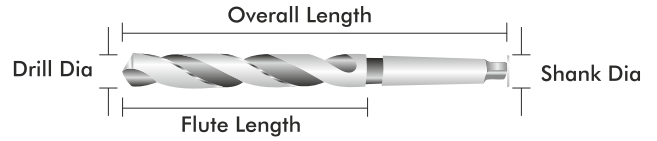
1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. For sizes below dia 9.00 mm max. Flute length which can be provided is 350mm.
3. For specials and unlisted sizes please refer to us.
4. Minimum ordering value per size should be worth Rs. 15,000/-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

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT1				
3.00		33	114	477
3.17	1/8	36	117	477
3.20		36	117	492
3.50		39	120	477
3.57	9/64	39	120	492
3.80		43	124	492
3.97	5/32	43	124	477
4.00		43	124	477
4.20		43	124	642
4.37	11/64	47	128	642
4.50		47	128	642
4.76	3/16	52	133	642
4.80		52	133	642
5.00		52	133	642
5.16	13/64	52	133	642
5.20		52	133	642
5.50		57	138	642
5.56	7/32	57	138	642
5.80		57	138	642
5.95	15/64	57	138	642
6.00		57	138	642
6.20		63	144	738
6.35	1/4	63	144	722
6.50		63	144	738
6.75	17/64	69	150	738
6.80		69	150	738
7.00		69	150	781
7.14	9/32	69	150	781
7.20		69	150	781
7.50		69	150	781
7.54	19/64	75	156	768
7.80		75	156	768
7.94	5/16	75	156	768
8.00		75	156	768
8.20		75	156	885
8.33	21/64	75	156	933
8.50		75	156	866

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
8.73	11/32	81	162	885
8.80		81	162	982
9.00		81	162	936
9.13	23/64	81	162	982
9.20		81	162	982
9.50		81	162	936
9.52	3/8	87	168	936
9.80		87	168	1050
9.92	25/64	87	168	1112
10.00		87	168	988
10.20		87	168	1076
10.32	13/32	87	168	1112
10.50		87	168	1359
10.72	27/64	94	175	1413
10.80		94	175	1311
11.00		94	175	1311
11.11	7/16	94	175	1413
11.20		94	175	1372
11.50		94	175	1372
11.51	29/64	94	175	1372
11.80		94	175	1372
11.91	15/32	101	182	1518
12.00		101	182	1402
12.20		101	182	1402
12.30	31/64	101	182	1402
12.50		101	182	1402
12.70	1/2	101	182	1402
12.80		101	182	1402
13.00		101	182	1899
13.10	33/64	101	182	1979
13.20		101	182	1979
13.49	17/32	108	189	1979
13.50		108	189	2127
13.80		108	189	2127
13.89	35/64	108	189	2210
14.00		108	189	2210
MT2				
14.25		114	212	2315



# HSS Taper Shank Twist Drills

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



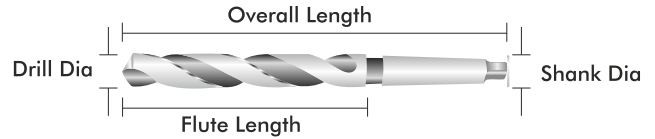
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
14.29	9/16	114	212	2315
14.50		114	212	2419
14.68	37/64	114	212	2419
14.75		114	212	2419
15.00		114	212	2419
15.08	19/32	120	218	2558
15.25		120	218	2592
15.48	39/64	120	218	2592
15.50		120	218	2592
15.75		120	218	2592
15.87	5/8	120	218	2494
16.00		120	218	2609
16.25		125	223	2609
16.27	41/64	125	223	2609
16.50		125	223	2668
16.67	21/32	125	223	2668
16.75		125	223	2668
17.00		125	223	2668
17.07	43/64	130	228	2668
17.25		130	228	2668
17.46	11/16	130	228	2720
17.50		130	228	2822
17.75		130	228	2856
17.86	45/64	130	228	3087
18.00		130	228	3087
18.25		135	233	3087
18.26	23/32	135	233	3087
18.50		135	233	3087
18.65	47/64	135	233	3066
18.75		135	233	3066
19.00		135	233	3066
19.05	3/4	140	238	3066
19.25		140	238	3221
19.45	49/64	140	238	3221
19.50		140	238	3221
19.75		140	238	3221
19.84	25/32	140	238	3221
20.00		140	238	3399

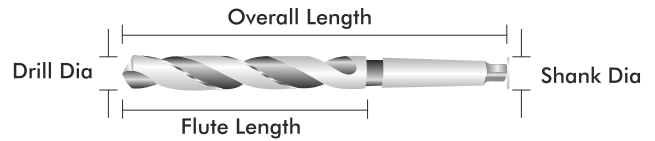
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
20.24	51/64	145	243	3514
20.25		145	243	3514
20.50		145	243	3514
20.64	13/16	145	243	3514
20.75		145	243	3654
21.00		145	243	3654
21.03	53/64	145	243	3808
21.25		150	248	3808
21.43	27/32	150	248	3808
21.50		150	248	3861
21.75		150	248	3861
21.83	55/64	150	248	3930
22.00		150	248	3930
22.22	7/8	150	248	3930
22.25		150	248	4214
22.50		155	253	4214
22.62	57/64	155	253	4362
22.75		155	253	4362
23.00		155	253	4362
23.02	29/32	155	253	4589
MT3				
23.25		155	276	4121
23.42	59/64	155	276	5211
23.50		155	276	5211
23.75		160	281	5211
23.81	15/16	160	281	5211
24.00		160	281	5348
24.21	61/64	160	281	5150
24.25		160	281	5150
24.50		160	281	5451
24.61	31/32	160	281	5150
24.75		160	281	5693
25.00	63/64	160	281	5693
25.25		165	286	5762
25.40	1	165	286	5762
25.50		165	286	6575
25.75		165	286	6575
25.80	1.1/64	165	286	6536

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
26.00		165	286	6536
26.19	1.1/32	165	286	6536
26.25		165	286	6574
26.50		165	286	7334
26.59	1.3/64	170	291	7016
26.75		170	291	7016
26.99	1.1/16	170	291	7321
27.00		170	291	7216
27.25		170	291	7216
27.38	1.5/64	170	291	7317
27.50		170	291	7317
27.75		170	291	7317
27.78	1.3/32	170	291	7317
28.00		170	291	7925
28.18	1.7/64	175	296	7942
28.25		175	296	7942
28.50		175	296	7942
28.57	1.1/8	175	296	7942
28.75		175	296	8584
28.97	1.9/64	175	296	8322
29.00		175	296	8322
29.25		175	296	8322
29.37	1.5/32	175	296	8322
29.50		175	296	8354
29.75		175	296	8354
29.77	1.11/64	175	296	8602
30.00		175	296	8602
30.16	1.3/16	180	301	9258
30.25		180	301	9598
30.50		180	301	9598
30.56	1.13/64	180	301	9745
30.75		180	301	9745
30.96	1.7/32	180	301	9745
31.00		180	301	10859
31.25		180	301	10859
31.35	1.15/64	180	301	11331
31.50		180	301	11331
31.75	1.1/4	185	306	12212

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT4				
32.00		185	334	12763
32.15	1.17/64	185	334	12763
32.50		185	334	12763
32.54	1.9/32	185	334	12763
32.94	1.19/64	185	334	13068
33.00		185	334	13068
33.34	1.5/16	185	334	13068
33.50		185	334	13634
33.73	1.21/64	190	339	13890
34.00		190	339	13890
34.13	1.11/32	190	339	14345
34.50		190	339	15067
34.53	1.23/64	190	339	15218
34.92	1.3/8	190	339	15067
35.00		190	339	15067
35.32	1.25/64	190	339	15976
35.50		190	339	15976
35.72	1.13/32	195	344	15976
36.00		195	344	16212
36.12	1.27/64	195	344	16547
36.50		195	344	16547
36.51	1.7/16	195	344	16547
36.91	1.29/64	195	344	16547
37.00		195	344	16952
37.31	1.15/32	195	344	16952
37.50		195	344	18061
37.70	1.31/64	200	349	19397
38.00		200	349	19397
38.10	1.1/2	200	349	19397
38.50	1.33/64	200	349	18901
38.89	1.17/32	200	349	18901
39.00		200	349	20026
39.29	1.35/64	200	349	20026
39.50		200	349	20026
39.69	1.9/16	200	349	20026
40.00		200	349	20532
40.08	1.37/64	205	354	20885

# HSS Taper Shank Twist Drills

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



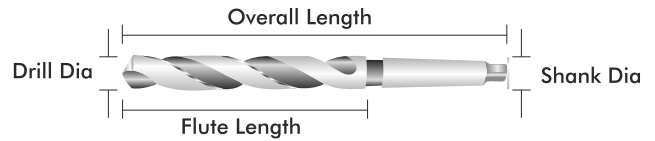
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
40.48	1.19/32	205	354	20885
40.50		205	354	21710
40.88	1.39/64	205	354	21710
41.00		205	354	21710
41.27	1.5/8	205	354	21710
41.50		205	354	22567
41.67	1.41/64	205	354	22567
42.00		205	354	23005
42.07	1.21/32	205	354	22567
42.47	1.43/64	205	354	23139
42.50		205	354	23139
42.86	1.11/16	210	359	23425
43.00		210	359	23978
43.26	1.45/64	210	359	23978
43.50		210	359	23978
43.66	1.23/32	210	359	23978
44.00		210	359	24822
44.05	1.47/64	210	359	24822
44.45	1.3/4	210	359	24822
44.50		210	359	24822
44.85	1.49/64	210	359	25407
45.00		210	359	25407
45.24	1.25/32	215	364	25407
45.50		215	364	26551
45.64	1.51/64	215	364	26551
46.00		215	364	26551
46.04	1.13/16	215	364	26551
46.43	1.53/64	215	364	27896
46.50		215	364	27896
46.83	1.27/32	215	364	27896
47.00		215	364	27896
47.23	1.55/64	215	364	28486
47.50		215	364	28486
47.62	1.7/8	220	369	28486
48.00		220	369	31059
48.02	1.57/64	220	369	31059
48.42	1.29/32	220	369	31059
48.50		220	369	31275

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
48.82	1.59/64	220	369	31275
49.00		220	369	31275
49.21	1.15/16	220	369	31275
49.50		220	369	31613
49.61	1.61/64	220	369	31613
50.00		220	369	31613
50.01	1.31/32	225	374	31865
50.40	1.63/64	225	374	33294
50.50		225	374	33294
50.80	2	225	374	33294
MT5				
51.00		225	412	45655
51.50		225	412	45655
51.59	2.1/32	225	412	45655
52.00		225	412	45655
52.39	2.1/16	225	412	45655
52.50		225	412	63974
53.00		225	412	58834
53.18	2.3/32	230	417	58834
53.50		230	417	58834
53.97	2.1/8	230	417	58834
54.00		230	417	58834
54.50		230	417	61791
54.77	2.5/32	230	417	61791
55.00		230	417	61791
55.50		230	417	61791
55.56	2.3/16	230	417	61791
56.00		230	417	64397
56.36	2.7/32	230	417	64397
56.50		230	417	64397
57.00		235	422	64397
57.15	2.1/4	235	422	64397
57.50		235	422	70282
57.94	2.9/32	235	422	70282
58.00		235	422	70282
58.50		235	422	70282
58.74	2.5/16	235	422	70282
59.00		235	422	71628
59.50		235	422	71628
59.53	2.11/32	235	422	71628
60.00		235	422	71628

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:**

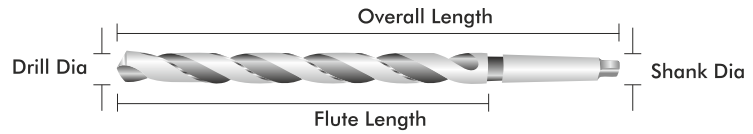
1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills will be charged 25% Extra.
3. Over size shank drills to IS:5104 in the following range 10% Extra will be charged.

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
**(LONG SERIES)**  
**TAPER SHANK**



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT1				
5.00		74	155	1531
5.16	13/64	74	155	1549
5.20		74	155	1565
5.50		80	161	1582
5.56	7/32	80	161	1582
5.80		80	161	1582
5.95	15/64	80	161	1582
6.00		80	161	1582
6.20		86	167	2073
6.35	1/4	86	167	2073
6.50		86	167	2073
6.75	17/64	93	174	2091
6.80		93	174	2106
7.00		93	174	2073
7.14	9/32	93	174	2295
7.20		93	174	2381
7.50		93	174	2073
7.54	19/64	100	181	2210
7.80		100	181	2329
7.94	5/16	100	181	2312
8.00		100	181	2295
8.20		100	181	2346
8.33	21/64	100	181	2295
8.50		100	181	2106
8.73	11/32	107	188	2362
8.80		107	188	2583
9.00		107	188	2346
9.13	23/64	107	188	2600
9.20		107	188	2855
9.50		107	188	2651
9.52	3/8	116	197	2821
9.80		116	197	3059
9.92	25/64	116	197	2907
10.00		116	197	2770
10.20		116	197	3059
10.32	13/32	116	197	2921
10.50		116	197	2804

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
10.72	27/64	125	206	2855
10.80		125	206	2921
11.00		125	206	2921
11.11	7/16	125	206	3447
11.20		125	206	3024
11.50		125	206	3447
11.51	29/64	125	206	3024
11.80		125	206	3024
11.91	15/32	134	215	3482
12.00		134	215	3958
12.20		134	215	3958
12.30	31/64	134	215	3958
12.50		134	215	3958
12.70	1/2	134	215	3976
12.80		134	215	3992
13.00		134	215	3992
13.10	33/64	134	215	4077
13.20		134	215	4180
13.49	17/32	142	223	4314
13.50		142	223	4466
13.80		142	223	4466
13.89	35/64	142	223	4466
14.00		142	223	4466
MT2				
14.25		147	245	5623
14.29	9/16	147	245	5961
14.50		147	245	5961
14.68	37/64	147	245	5841
14.75		147	245	5841
15.00		147	245	5961
15.08	19/32	153	251	5876
15.25		153	251	5910
15.48	39/64	153	251	5910
15.50		153	251	5910
15.75		153	251	5910
15.87	5/8	153	251	6061
16.00		153	251	6081
16.25		159	257	6081

# HSS Taper Shank Twist Drills (Long Series)

To IS: 8305 - 1976



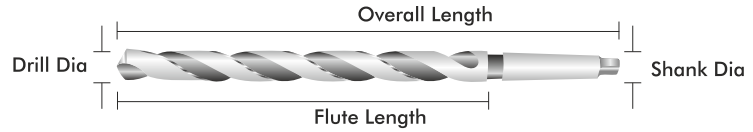
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST  
(LONG SERIES)  
TAPER SHANK**



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
16.27	41/64	159	257	6283
16.50		159	257	6487
16.67	21/32	159	257	6487
16.75		159	257	6487
17.00		159	257	6487
17.07	43/64	165	263	6540
17.25		165	263	6590
17.46	11/16	165	263	6709
17.50		165	263	6825
17.75		165	263	6928
17.86	45/64	165	263	7065
18.00		165	263	7198
18.25		171	263	7198
18.26	23/32	171	269	7198
18.50		171	269	7198
18.65	47/64	171	269	7250
18.75		171	269	7283
19.00		171	269	7283
19.05	3/4	177	275	7472
19.25		177	275	7677
19.45	49/64	177	275	7677
19.50		177	275	7677
19.75		177	275	7677
19.84	25/32	177	275	7334
20.00		177	275	7014
20.24	51/64	184	282	7065
20.25		184	282	7115
20.50		184	282	7115
20.64	13/16	184	282	7267
20.75		184	282	7422
21.00		184	282	7422
21.03	53/64	184	282	8201
21.25		191	289	8998
21.43	27/32	191	289	9134
21.50		191	289	9252
21.75		191	289	9252
21.83	55/64	191	289	9357
22.00		191	289	9440

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
22.22	7/8	191	289	9863
22.25		191	289	10289
22.50		198	296	10324
22.62	57/64	198	296	10424
22.75		198	296	10525
23.00		198	296	10525
23.02	29/32	198	296	11306
MT3				
23.25		198	319	12071
23.42	59/64	198	319	12225
23.50		198	319	12394
23.75		206	327	12461
23.81	15/16	206	327	12648
24.00		206	327	12819
24.21	61/64	206	327	12937
24.25		206	327	13057
24.50		206	327	13057
24.61	31/32	206	327	13343
24.75		206	327	13631
25.00	63/64	206	327	13631
25.25		214	335	13905
25.40	1	214	335	13379
25.50		214	335	12853
25.75		214	335	12853
26.00		214	335	12988
26.19	1.1/32	214	335	13447
26.25		214	335	13921
26.50		214	335	13921
26.75		222	343	16841
26.99	1.1/16	222	343	17127
27.00		222	343	17402
27.25		222	343	17402
27.50		222	343	17451
27.75		222	343	17451
27.78	1.3/32	222	343	18267
28.00		222	343	19081
28.25		230	351	19251
28.50		230	351	19251

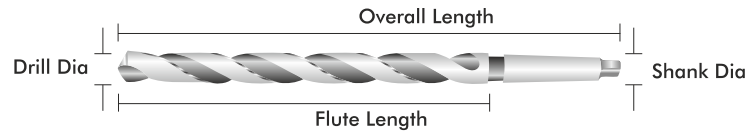


w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST  
(LONG SERIES)  
TAPER SHANK**



Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
28.57	1.1/8	230	351	19539
28.75		230	351	19844
29.00		230	351	20168
29.25		230	351	20168
29.37	1.5/32	230	351	20201
29.50		230	351	20235
29.75		230	351	20235
30.00		230	351	20659
30.16	1.3/16	239	360	20404
30.25		239	360	20148
30.50		239	360	20148
30.75		239	360	20473
30.96	1.7/32	239	360	20287
31.00		239	360	20099
31.25		239	360	20099
31.50		239	360	20982
31.75	1.1/4	248	369	21151
MT4				
32.00		248	397	22832
32.50		248	397	25869
32.54	1.9/32	248	397	26175
33.00		248	369	26499
33.34	1.5/16	348	369	26957
33.50		248	369	27397
34.00		257	406	28127
34.13	1.11/32	257	406	27653
34.50		257	406	27178
34.92	1.3/8	257	406	27295
35.00		257	406	27433
35.50		257	406	29079
35.72	1.13/32	267	416	29877
36.00		267	416	30674
36.50		267	416	31303
36.51	1.7/16	267	416	31694
37.00		267	416	32083
37.31	1.15/32	267	416	33119
37.50		267	416	34151
38.00		277	426	34000

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
38.10	1.1/2	277	426	34525
38.50		277	426	35053
38.89	1.17/32	277	426	36090
39.00		277	426	37124
39.50		277	426	37124
39.69	1.9/16	277	426	37598
40.00		277	426	38075
40.48	1.19/32	287	436	39347
40.50		287	436	40620
41.00		287	436	40620
41.27	1.5/8	287	436	41418
41.50		287	436	42217
42.00		287	436	42217
42.07	1.21/32	287	436	42760
42.50		287	436	43302
42.86	1.11/16	298	447	44319
43.00		298	447	45355
43.50		298	447	45355
43.66	1.23/32	298	447	46155
44.00		298	447	46952
44.45	1.3/4	298	447	46952
44.50		298	447	46952
45.00		298	447	48056
45.24	1.25/32	310	459	49465
45.50		310	459	50873
46.00		310	459	50873
46.04	1.13/16	310	459	54269
46.50		310	459	57000
46.83	1.27/32	310	459	57000
47.00		310	459	57000
47.50		310	459	58189
47.62	1.7/8	321	470	61141
48.00		321	470	64095
48.42	1.29/32	321	470	64332
48.50		321	470	64569
49.00		321	470	64569
49.21	1.15/16	321	470	64468
49.50		321	470	64383
50.00		321	470	64383

**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.



# HSS Taper Shank Twist Drills (Extra Long Series)



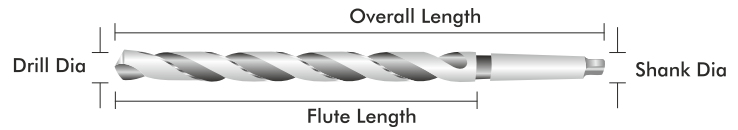
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



Size		Over all Length in mm			
mm	inch	200	225	250	275
3.00	1/8	2171	2576	2857	3140
3.50		2171	2663	2962	3264
4.00	5/32	2099	2576	2875	3157
4.50		2504	2804	3123	3773
5.00	3/16	2398	2698	3000	3632
5.50		2312	2857	3175	3508
6.00		2312	2857	3175	3508
6.35	1/4	2593	2911	3227	3916
6.50		2593	2911	3227	3916
7.00		2488	2787	3105	3755
7.50		2735	3069	3422	4091
7.94	5/16	2629	2945	3281	3933
8.00		2629	2945	3281	3933
8.50		2698	3032	3369	4036
9.00		2841	3191	3544	4267
9.50		2841	3191	3544	4267
9.52	3/8	2927	3191	3544	4267
10.00		2875	3227	3597	4318
10.50		3474	3894	4338	4777
11.00		3456	3894	4318	4762
11.11	7/16	3579	4020	4459	4919
11.50		3579	4020	4459	4919
12.00			3894	4338	5252
12.50			3894	4338	5252
12.70	1/2		3894	4338	5252
13.00				5133	6629
13.50				5517	7139
14.00				5517	7139
14.29	9/16			6187	6804
14.50				6187	6804
15.00				6187	6804
15.50				6135	6715
15.87	5/8			6276	6910
16.00				6311	6910
16.50				6733	7209
17.00				6733	7209

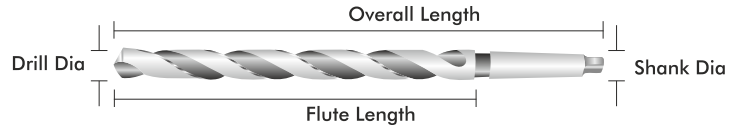
Size		Over all Length in mm				
mm	inch	300	315	325	350	375
3.00	1/8	3508		4215		
3.50		3704	3704	4407		
4.00	5/32	3579	3579	4267		
4.50		4215	4215	4566		
5.00	3/16	4055	4055	4391		
5.50		3894	3894	4707		
6.00		3894	3894	4707	4847	
6.35	1/4	4356	4356			
6.50		4356	4356	5252		
7.00		4197	4197	5552		
7.50		4656	4656	5552		
7.94	5/16	4480	4480	5323		
8.00		4480	4480	5323		
8.50		4601	4601	5464		
9.00		4830	4830	5764		
9.50		4830	4830	5764		
9.52	3/8	4830	4830	5764		
10.00		4900	4900	5836	6292	7350
10.50		5200	5200	6820	6820	8126
11.00		5184	5184	6328	6804	8108
11.11	7/16	5359	5359	6540	7031	8371
11.50		5359	5359	6540	7031	8371
12.00		5852	5852	7051	6840	8953
12.50		5852	5852	7051	7597	8953
12.70	1/2	5852	5852	7051	7597	8953
13.00		7244	7244	7843	8442	10187
13.50		7791	7791	8442	9094	10943
14.00		7791	7791	8442	9094	10716
14.29	9/16	7420	7420	8848	9535	11138
14.50		7420	7420	8848	9535	9535
15.00		7420	7420	8848	9535	11138
15.50		7333	7333	8725	9413	10981
15.87	5/8	7544	7544	8989	9677	11314
16.00		7544	7544	8989	9677	11314
16.50		7862	7862	9359	10081	11790
17.00		7862	7862	9359	10081	11790

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15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



Size		Over all Length in mm				
mm	inch	300	315	325	350	375
17.45	11/16	8073	8073	9625	10363	12107
17.50		8073	8073	9625	10363	12107
18.00		8337	8337	9941	10699	12494
18.50		8337	8337	9941	10699	12494
19.00		8442	8442	10047	10820	12653
19.05	3/4	8442	8442	10047	10820	12653
19.50		8673	8673	10346	11138	13023
20.00		9324	9324	10153	10873	12830
20.50		9254	9254	10030	10784	12705
20.64	13/16	9641	9641	10451	11246	13253
21.00		9641	9641	10451	11246	13253
21.50		9976	9976	10820	11650	13730
22.00		10171	10171	11014	11861	13975
22.22	7/8	10858	10858	11755	12671	13570
22.50		10858	10858	11755	12671	13570
23.00		11069	11069	12001	12917	13835
23.50		12090	12090	13094	14099	15103
23.81	15/16	12213	12213	13234	14240	15261
24.00		12213	12213	13234	14240	15261
24.50		12424	12424	13465	14487	15526
25.00			14062	15138	16230	
25.40	1			15138	17551	
25.50				16389	17551	
26.00				16567	17747	
26.50				17747	19015	
26.99	1.1/16			18433	19754	
27.00				18433	19754	
27.50				18487	19807	
28.00				20213	21657	
28.50				19932	21357	
28.57	1.1/8			19932	21357	
29.00				20865	22362	
29.50				20952	22450	
30.00				21392	22909	
30.16	1.3/16			21392	22909	
31.00				21640	23191	

# HSS Taper Shank Twist Drills (Extra Long Series)



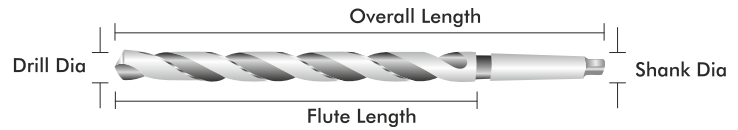
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



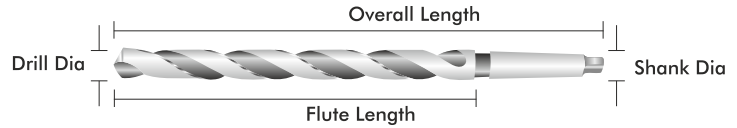
Size		Over all Length in mm				
mm	inch	400	425	450	475	500
10.00		7843				
10.50		8673				
11.00		8636				
11.11	7/16	8937				
11.50		8937				
12.00		8329				
12.50		9535				
12.70	1/2	9535				
13.00		9869				
13.50		11685				
14.00		11420				
14.29	9/16	11878				
14.50		11878	14202			
15.00		11878	14202	15033	18803	19807
15.50		11720	14011	14838	18556	19525
15.87	5/8	12053	14415	15261	19084	20090
16.00		12053	14415	15261	19084	20090
16.50		12565	15015	15913	19895	20952
17.00		12565	15015	16355	20460	20952
17.45	11/16	12917	15456	16355	20460	21535
17.50		12917	15456	16355	20460	21535
18.00		13341	15948	16883	21111	22223
18.50		13341	15948	16883	21111	22223
19.00		13498	16123	17077	21357	22487
19.05	3/4	13498	16123	17077	21357	22487
19.50		13887	16600	17571	21976	23139
20.00		13676	15861	16796	21412	22542
20.50		13570	15721	16635	21235	22346
20.64	13/16	14150	16389	17360	22134	23297
21.00		14150	16389	17360	22134	23297
21.50		14626	16971	17974	22909	24125
22.00		14910	17288	18292	23332	24566
22.22	7/8	14468	16917	17904	20636	21711
22.50		14468	16917	17904	20636	21711
23.00		14768	17253	18275	21041	22134
23.50		16107	18838	19948	22961	24176
23.81	15/16	16283	19015	20143	23191	24408
24.00		16283	19015	20143	23191	24408
24.50		16567	19807	20970	24582	25887
25.00		17307	20230	21412	24652	25959
25.40	1	18732	21886	23173	26697	28091
25.50		18732	21886	23173	26697	28091

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MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



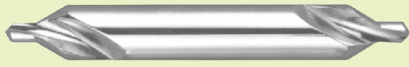
Size		Over all Length in mm					
mm	inch	400	425	450	475	500	525
26.00		18927	22134	23436	26979	28407	
26.50		20283	21553	22821	26502	27896	
26.99	1.1/16	21060	22381	23685	27508	28955	
27.00		21060	22381	23685	27508	28955	
27.50		21128	22450	23773	27594	29059	
28.00		23102	25780	27278	30168	31755	
28.50		22786	25410	26908	29747	31315	
28.57	1.1/8	22786	25410	26908	29747	31315	
29.00		23843	26610	28177	31156	32795	
29.50		23948	26715	28282	31277	32916	
30.00		24441	27278	28882	31929	33604	
30.16	1.3/16	24441	27278	28882	31929	33604	
31.00		24723	27913	29552	31191	32846	
31.75	1.1/4	24723	27913	29552	31191	32846	
32.00		25463	28742	30430	32142	33817	41781
33.00		26080	29428	31172	32899	34628	42785
33.34	1.5/16	26080	29428	31172	32899	37287	42785
34.00		27085	30573	32372	34168	35965	44441
34.92	1.3/8	29922	31788	33674	37761	40406	41727
35.00		29922	31788	33674	37761	39754	41727
36.00		30610	32529	34450	41199	43367	45532
36.51	1.7/16	32018	34028	36017	43082	43507	47628
37.00		32018	34028	36017	43082	45356	47628
38.00		33146	35208	37287	44600	46961	49305
38.10	1.1/2	33146	35208	37287	44600	45146	49305
39.00		36318	38449	40722	45850	48264	53834
40.00		37130	39437	41763	47013	49499	55225
41.00						51593	
41.27	1.5/8					51593	
42.00						53603	
43.00						56176	
44.00						58151	
44.45	1.3/4					59522	
45.00						59522	
45.50	1.13/16					61376	
46.00						61376	
47.00						64459	
47.62	1.7/8					70784	
48.00						70784	
49.00	1.15/16					71312	
50.00						71100	

**Special notes:**

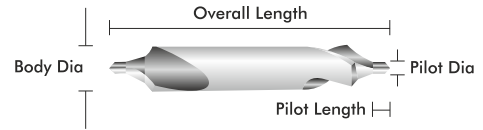
1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. All sizes (in Dia and Length ) should be ordered in multiples of 5 upto dia 25.40 mm.
3. Minimum ordering value per size should be worth Rs. 15,000 /- gross.
4. For specials and unlisted sizes please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

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MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**CENTRE DRILLS**



## TYPE 'A' AS PER IS-6708/1977

Pilot Dia mm k 12	Body Dia mm h9	Overall Length mm		Pilot Length mm		Price 1 N
		Max.	Min.	Max.	Min.	
1.00	3.15	33.5	29.5	1.9	1.3	279
1.25	3.15	33.5	29.5	2.2	1.6	279
1.60	4.00	37.5	33.5	2.8	2.0	279
2.00	5.00	42.0	38.0	3.3	2.5	279
2.50	6.30	47.0	43.0	4.1	3.1	311
3.15	8.00	52.0	48.0	4.9	3.9	457
4.00	10.00	59.0	53.0	6.2	5.0	570
5.00	12.50	66.0	60.0	7.5	6.3	943

## 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	553
2.00	8.00	52	48	3.3	2.5	792
2.50	10.00	59	53	4.1	3.1	998
3.15	11.20	63	57	4.9	3.9	1555
4.00	14.00	70	64	6.2	5.0	1574

## AS PER B.S. 328 (PART 2)

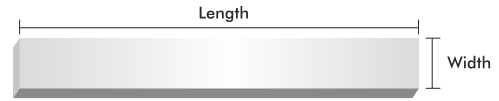
Size	Pilot Dia Inch	Body Dia Inch	Pilot Length Inch		OAL Inch	Tolerance on Overall Length	Price 1 N
			Max.	Min.			
BS 1	3/64	1/8	5/64	1/16	1.1/2	± 1/32	279
BS 2	1/16	3/16	3/32	5/64	1.3/4	± 1/33	279
BS 3	3/32	1/4	5/32	1/8	2	± 1/16	311
BS 4	1/8	5/16	3/16	5/32	2.1/4	± 1/16	484
BS 5	3/16	7/16	9/32	1/4	2.1/2	± 3/32	609
BS 6	1/4	5/8	0.375	0.312	3.093	2.906	1030

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15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**SQUARE  
TOOL BITS**



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	137	222	283	296
3/16 x 4	5 x 100	173	330	423	437
3/16 x 6	5 x 150	270	603	902	914
1/4 x 3	6 x 75	149	288	381	395
1/4 x 4	6 x 100	185	384	508	522
1/4 x 6	6 x 150	260	630	843	860
5/16 x 3	8 x 75	164	371	494	508
5/16 x 4	8 x 100	225	522	691	704
5/16 x 6	8 x 150	369	820	1097	1111
3/8 x 3	10 x 75	212	439	591	606
3/8 x 4	10 x 100	246	574	788	801
3/8 x 6	10 x 150	400	917	1252	1266
3/8 x 8	10 x 200	543	1298	1800	1813
1/2 x 3	12 x 75	311	685	957	985
1/2 x 4	12 x 100	408	917	1252	1281
1/2 x 6	12 x 150	634	1408	1981	2011
1/2 x 8	12 x 200	824	1967	2768	2796
5/8 x 4	16 x 100	649	1504	2122	2150
5/8 x 6	16 x 150	996	2268	3105	3146
5/8 x 8	16 x 200	1268	3100	4355	4410
3/4 x 4	20 x 100	867	2104	2921	2951
3/4 x 6	20 x 150	1369	3142	4284	4326
3/4 x 8	20 x 200	1825	4206	5857	5928
1 x 6	25 x 150	2285	5216	7176	7261
1 x 8	25 x 200	3108	6950	9577	9676

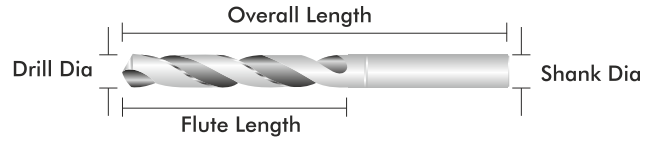


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15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**MASONRY**



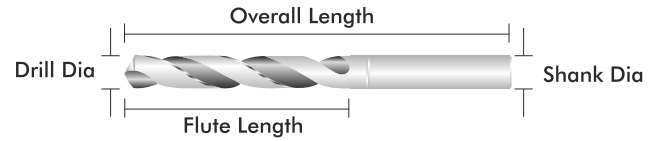
Size		Length		Price (Rs.) Each
inch	mm	flute	overall	
1/8	3.00	33	67	83
5/32	4.00	40	78	91
3/16	5.00	45	88	98
7/32	5.50	50	88	118
15/64	6.00	54	102	132
1/4	6.50	54	102	116
9/32	7.00	55	108	226
5/16	8.00	64	118	203
11/32	9.00	78	135	260
3/8	10.00	78	135	233
7/16	11.00	82	148	325
15/32	12.00	85	152	290
1/2	13.00	85	152	290

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15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**SUPER GRANIT  
MASONRY**



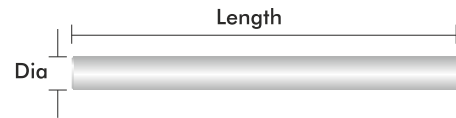
Size		Length		Price (Rs.) Each
inch	mm	flute	overall	
1/8	3.00	33	67	142
5/32	4.00	40	78	159
3/16	5.00	45	88	170
7/32	5.50	50	88	198
15/64	6.00	54	102	227
1/4	6.50	54	102	198
9/32	7.00	55	108	264
5/16	8.00	64	118	344
11/32	9.00	78	135	446
3/8	10.00	78	135	395
7/16	11.00	82	148	553
15/32	12.00	85	152	490
1/2	13.00	85	152	490

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15<sup>th</sup> July, 2021

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER  
BLANKS**



Size - Diameter		dg/lg	Price (Rs.) 10 Pcs
mm	inch		
0.50 to 0.69			830
0.70 to 0.79			720
0.80 to 0.89	1/32		690
0.90 to 0.99			690
1.00 to 1.60	3/64, 1/16	61 to 53	470
1.61 to 2.78	5/64, 3/32, 7/64	52 to 36	490
2.79 to 3.00		35 to 32	510
3.05 to 3.17	1/8	31	600
3.20 to 3.57	9/64	30 to 28	610
3.60 to 4.00	5/32	27 to 22	760
4.04 to 4.40	11/64	21 to 17	860
4.50 to 4.80	3/16	16 to 12	1220
4.85 to 5.20	13/64	11 to 6	1250
5.22 to 5.60	7/32	5 to 8	1350
5.61 to 6.00	15/64	2, 1 & A	1500
6.04 to 6.40	1/4	B to E	1660
6.50 to 6.80	17/64	F to H	2080

# Useful Tips for Drilling

- 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 decrease 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

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