

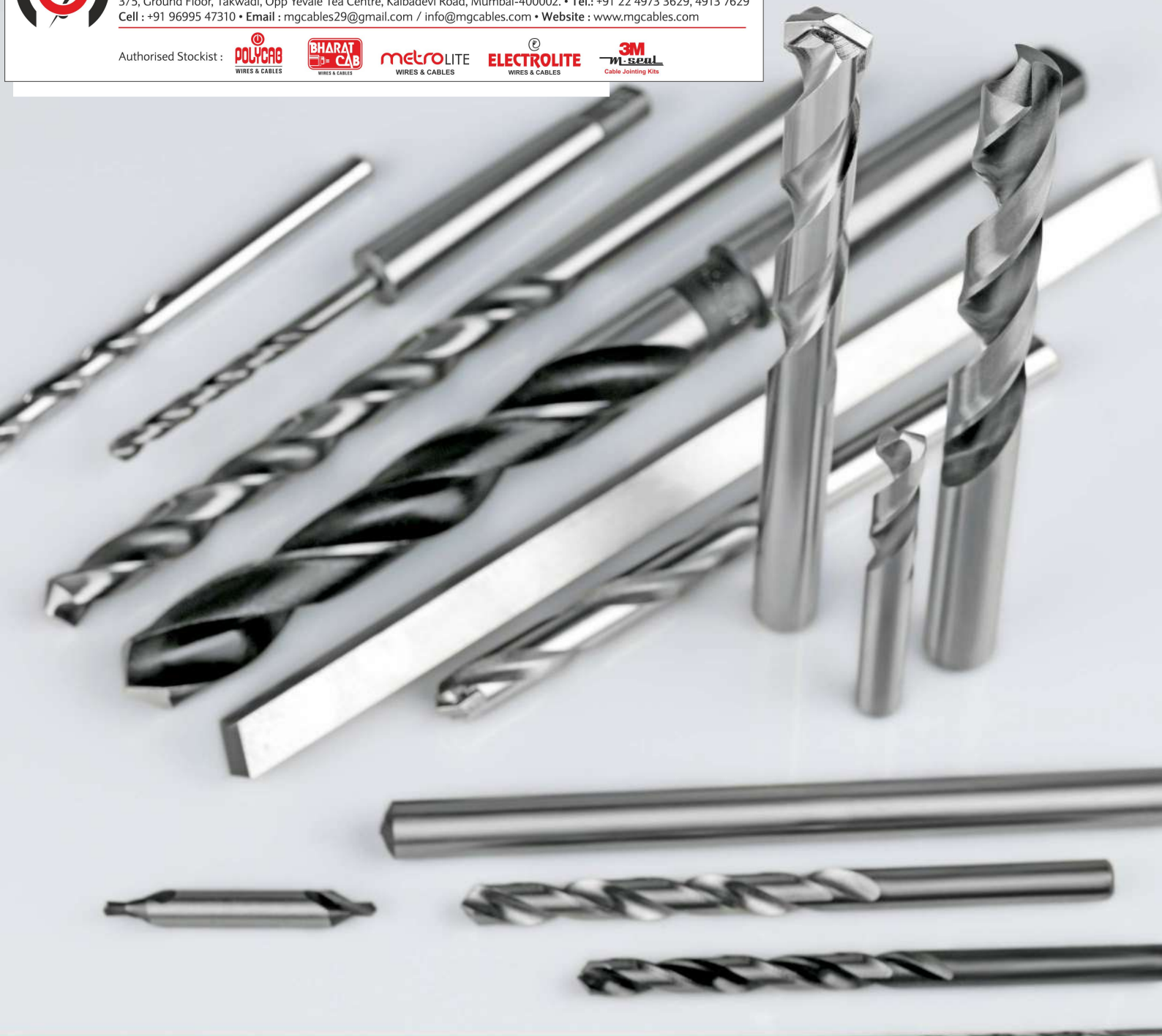


M.G. CABLE INDUSTRIES

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HSS Drills

Price List w.e.f. 2nd May, 2019



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.



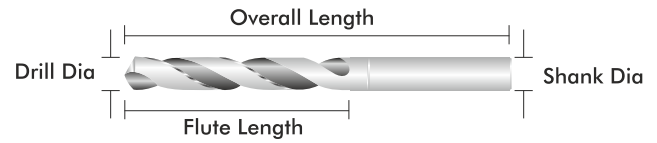
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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					840
0.55			7	24	840
0.60			7	24	840
0.65			8	26	840
0.70			9	28	770
0.75	1/32		9	28	770
0.80			10	30	710
0.85			10	30	740
0.90			11	32	670
0.95			11	32	670
1.00			12	34	440
1.02		60			440
1.04		59	12	34	440
1.07		58			440
1.09		57			440
1.10			14	36	440
1.18		56			440
1.19	3/64				440
1.20			16	38	440
1.30			16	38	440
1.32		55			440
1.40		54	18	40	440
1.50			18	40	440
1.51		53			470
1.59	1/16				470
1.60			20	43	470
1.61		52			470
1.70		51	20	43	470
1.78		50			470
1.80			22	46	470
1.85		49	22	46	470
1.90			22	46	470
1.93		48			470
1.98	5/64		24	49	470
1.99		47	24	49	480
2.00			24	49	470
2.06		46	24	49	470
2.08		45	24	49	470

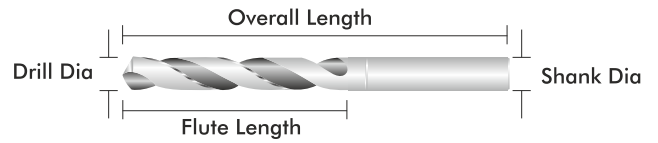
Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
2.10			24	49	470
2.18		44	27	53	480
2.20			27	53	480
2.26		43	27	53	480
2.30			27	53	480
2.37		42	30	57	480
2.38	3/32		30	57	480
2.40			30	57	480
2.44		41	30	57	480
2.49		40	30	57	480
2.50			30	57	480
2.53		39	30	57	480
2.58		38	30	57	480
2.60			30	57	480
2.64		37	30	57	500
2.70			33	61	500
2.71		36	33	61	480
2.78	7/64		33	61	480
2.79		35	33	61	480
2.80			33	61	500
2.82		34	33	61	500
2.87		33	33	61	500
2.90			33	61	500
2.95		32	33	61	500
3.00			33	61	500
3.05		31	36	65	620
3.10			36	65	620
3.17	1/8		36	65	620
3.20			36	65	680
3.26		30	36	65	680
3.30			36	65	680
3.40			39	70	680
3.45		29	39	70	680
3.50			39	70	680
3.57	9/64	28	39	70	680
3.60			39	70	860
3.66		27	39	70	920
3.70			39	70	920

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2nd May, 2019

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	920
3.80		25	43	75	920
3.86		24	43	75	920
3.90			43	75	920
3.91		23	43	75	920
3.97	5/32		43	75	900
3.99		22	43	75	900
4.00			43	75	900
4.04		21	43	75	1100
4.09		20	43	75	1100
4.10			43	75	1100
4.20			43	75	1100
4.22		19	43	75	1100
4.30		18	47	80	1100
4.37	11/64		47	80	1120
4.39		17	47	80	1120
4.40			47	80	1120
4.50		16	47	80	1360
4.57		15	47	80	1360
4.60			47	80	1360
4.62		14	47	80	1360
4.70		13	47	80	1360
4.76	3/16		52	86	1360
4.80		12	52	86	1400
4.85		11	52	86	1460
4.90			52	86	1460
4.92		10	52	86	1460
4.98		9	52	86	1460
5.00			52	86	1470
5.06		8	52	86	1470
5.10			52	86	1470
5.11		7	52	86	1470
5.16	13/64		52	86	1470
5.18		6	52	86	1470
5.20			52	86	1470
5.22		5	52	86	1680
5.30			52	86	1680
5.31		4	57	93	1680

Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
5.40			57	93	1680
5.41		3	57	93	1680
5.50			57	93	1680
5.56	7/32		57	93	1680
5.60			57	93	1680
5.61		2	57	93	1870
5.70			57	93	1870
5.79		1	57	93	1870
5.80			57	93	1870
5.90			57	93	1870
5.94		A	57	93	1870
5.95	15/64		57	93	1870
6.00			57	93	1870
6.04		B	63	101	2070
6.10			63	101	2070
6.15		C	63	101	2070
6.20			63	101	2070
6.25		D	63	101	2100
6.30			63	101	2100
6.35	1/4	E	63	101	2100
6.40			63	101	2100
6.50			63	101	2630
6.53		F	63	101	2630
6.60			63	101	2630
6.63		G	63	101	2630
6.70			63	101	2630
6.75	17/64	H	69	109	2630
6.80			69	109	2630
6.90		I	69	109	2860
7.00			69	109	2860
7.03		J	69	109	2860
7.10			69	109	2860
7.14	9/32	K	69	109	2860
7.20			69	109	3090
7.30			69	109	3090
7.37		L	69	109	3090
7.40			69	109	3090
7.49		M	69	109	3090

HSS Straight Shank Jobber Drills Ground Flute

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



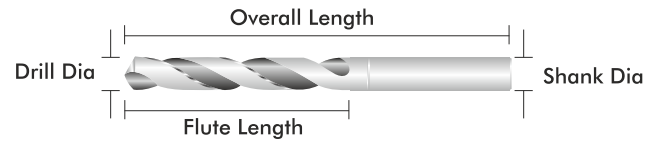
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	3090
7.54	19/64		75	117	3330
7.60			75	117	3330
7.67		N	75	117	3460
7.70			75	117	3460
7.80			75	117	3460
7.90			75	117	3460
7.94	5/16		75	117	3660
8.00			75	117	3660
8.03		O	75	117	3660
8.10			75	117	3660
8.20		P	75	117	3660
8.30			75	117	4310
8.33	21/64		75	117	4310
8.40			75	117	4510
8.43		Q	75	117	4510
8.50			75	117	4510
8.60			81	125	4510
8.61		R	81	125	4510
8.70			81	125	4510
8.73	11/32		81	125	4750
8.80			81	125	4750
8.84		S	81	125	4750
8.90			81	125	4750
9.00			81	125	4750
9.09		T	81	125	4950
9.10			81	125	4950
9.13	23/64		81	125	4950
9.20			81	125	4950
9.30			81	125	4950
9.34		U	81	125	4950
9.40			81	125	4950
9.50			81	125	4950
9.52	3/8		87	133	5630
9.58		V	87	133	5630
9.60			87	133	5630
9.70			87	133	5630
9.80		W	87	133	5630

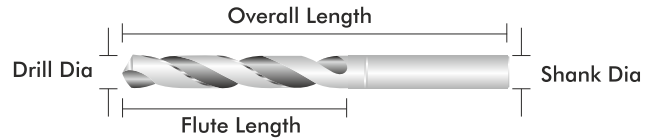
Size-Diameter			Length mm		Price 10 N
mm	inch	dg/lg	flute	overall	
9.90			87	133	6170
9.92	25/64		87	133	6170
10.00			87	133	6170
10.08		X	87	133	6170
10.10			87	133	6170
10.20			87	133	6170
10.26		Y	87	133	6480
10.30			87	133	6480
10.32	13/32		87	133	6480
10.40			87	133	6790
10.49		Z	87	133	6790
10.50			87	133	6790
10.60			87	133	6790
10.70			94	142	6790
10.72	27/64		94	142	7180
10.80			94	142	7180
10.90			94	142	7180
11.00			94	142	7180
11.10			94	142	8020
11.11	7/16		94	142	8020
11.20			94	142	8020
11.30			94	142	8020
11.40			94	142	8020
11.50			94	142	8460
11.51	29/64		94	142	8460
11.60			94	142	8460
11.70			94	142	8460
11.80			94	142	8460
11.90			101	151	9010
11.91	15/32		101	151	9010
12.00			101	151	9010
12.10			101	151	9010
12.20			101	151	9010
12.30	31/64		101	151	9590
12.40			101	151	9590
12.50			101	151	9590
12.60			101	151	9590
12.70	1/2		101	151	9830

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2nd May, 2019

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	10110
12.90			101	151	10110
13.00			101	151	10110
13.10	33/64		101	151	12540
13.20			101	151	12540
13.30			108	160	12540
13.40			108	160	12540
13.49	17/32		108	160	13350
13.50			108	160	13350
13.60			108	160	13350
13.70			108	160	13350
13.80			108	160	13350
13.89	35/64		108	160	14760
13.90			108	160	14760
14.00			108	160	14760
14.25			114	169	14760
14.29	9/16		114	169	15200
14.50			114	169	15200
14.68	37/64		114	169	15200
14.75			114	169	16690
15.00			114	169	16690
15.08	19/32		120	178	16690
15.25			120	178	16690
15.48	39/64		120	178	17710
15.50			120	178	17710
15.75			120	178	18680
15.87	5/8		120	178	18680
16.00			120	178	18680

Jobber Drill Set 1/16" to 1/4" (13 pc)	: - 1365
Jobber Drill Set 2.00 to 8.00 mm (13 pc)	: - 2041
Jobber Drill Set 1/16" to 1/2" (29 pc)	: - 11977
Jobber Drill Set 1/8" to 1/4" (4 pc)	: - 496
Jobber Drill Set 3/32" to 1/4" (7 pc)	: - 798
Jobber Drill Set 1/16" to 1/2" (29 pc)	: - 11310
Jobber Drill Set 1.00 to 13.00 mm (25 pc)	: - 8750

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

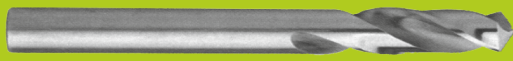
To IS: 5100 / DIN: 1897 / BS: 328 / I.S.O.



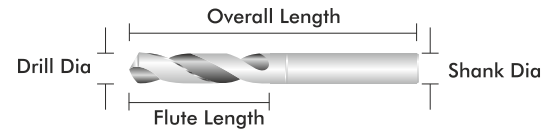
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	440
1.19	3/64	8	30	440
1.20		8	30	440
1.50		9	32	440
1.59	1/16	10	34	450
1.80		11	36	450
1.98	5/64	12	38	450
2.00		12	38	430
2.20		13	40	430
2.38	3/32	14	43	430
2.50		14	43	430
2.78	7/64	16	46	430
2.80		16	46	500
3.00		16	46	500
3.17	1/8	18	49	580
3.20		18	49	630
3.50		20	52	630
3.57	9/64	20	52	630
3.80		22	55	830
3.97	5/32	22	55	830
4.00		22	55	830
4.20		22	55	940
4.37	11/64	24	58	940
4.50		24	58	1150
4.76	3/16	26	62	1150
4.80		26	62	1150
5.00		26	62	1250
5.16	13/64	26	62	1250
5.20		26	62	1250
5.50		28	66	1380
5.56	7/32	28	66	1380
5.80		28	66	1540
5.95	15/64	28	66	1540
6.00		28	66	1570
6.20		31	70	1760
6.35	1/4	31	70	1760
6.50		31	70	2130
6.75	17/64	34	74	2130

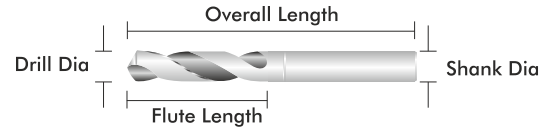
Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
6.80		34	74	2130
7.00		34	74	2350
7.14	9/32	34	74	2350
7.20		34	74	2350
7.50		34	74	2420
7.54	19/64	37	79	2650
7.80		37	79	2700
7.94	5/16	37	79	2980
8.00		37	79	2980
8.20		37	79	2980
8.33	21/64	37	79	3830
8.50		37	79	3830
8.73	11/32	40	84	3980
8.80		40	84	3980
9.00		40	84	3980
9.13	23/64	40	84	4200
9.20		40	84	4200
9.50		40	84	4200
9.52	3/8	43	89	4410
9.80		43	89	4670
9.92	25/64	43	89	5380
10.00		43	89	5380
10.20		43	89	5380
10.32	13/32	43	89	5730
10.50		43	89	5730
10.72	27/64	47	95	6490
10.80		47	95	6490
11.00		47	95	6490
11.11	7/16	47	95	6800
11.20		47	95	7200
11.50		47	95	7700
11.51	29/64	47	95	7700
11.80		47	95	7700
11.91	15/32	51	102	7640
12.00		51	102	7640
12.20		51	102	7640
12.30	31/64	51	102	8330
12.50		51	102	8330

w.e.f.
2nd May, 2019

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	8570
12.80		51	102	8570
13.00		51	102	8570
13.20		51	102	10530
13.49	17/32	54	107	11260
13.50		54	107	11260
13.80		54	107	11260
14.00		54	107	11700
14.25		56	111	11700
14.29	9/16	56	111	11700
14.50		56	111	12730
14.75		56	111	13830
15.00		56	111	13830
15.08	19/32	58	115	13830
15.25		58	115	13830
15.50		58	115	15000
15.75		58	115	15000
15.87	5/8	58	115	15000
16.00		58	115	15000
16.25		60	119	15060
16.50		60	119	15060
16.67	21/32	60	119	15060
16.75		60	119	15390
17.00		60	119	15390
17.25		62	123	15660
17.46	11/16	62	123	15660
17.50		62	123	15670
17.75		62	123	15910
18.00		62	123	15910
18.25		64	127	16140
18.26	23/32	64	127	16140
18.50		64	127	16140
18.75		64	127	16440
19.00		64	127	16440
19.05	3/4	66	131	16440
19.25		66	131	16800
19.50		66	131	16800
19.75		66	131	16800

Size-Diameter		Length mm		Price 10 N
mm	inch	flute	overall	
19.84	25/32	66	131	16800
20.00		66	131	17020
20.25		68	136	17420
20.50		68	136	17420
20.64	13/16	68	136	17420
20.75		68	136	18090
21.00		68	136	18090
21.25		70	141	18290
21.43	27/32	70	141	18290
21.50		70	141	18290
21.75		70	141	19180
22.00		70	141	19180
22.22	7/8	70	141	19180
22.25		70	141	20390
22.50		72	146	20390
22.75		72	146	20680
23.00		72	146	20680
23.02	29/32	72	146	20680
23.25		72	146	21840
23.50		72	146	21840
23.75		75	151	21840
23.81	15/16	75	151	21840
24.00		75	151	24140
24.25		75	151	24140
24.50		75	151	24140
24.61	31/32	75	151	24140
24.75		75	151	26500
25.00		75	151	26500
25.25		78	156	26650
25.40	1	78	156	26650
25.50		78	156	30070
26.00		78	156	30070
26.19	1.1/32	78	156	30740
26.50		78	156	30740
26.99	1.1/16	81	162	31050
27.00		81	162	32790
27.50		81	162	32790
27.78	1.3/32	81	162	34660

HSS Straight Shank Stub Series Drills

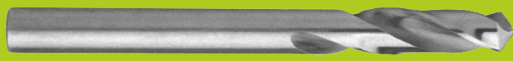
To IS: 5100 / DIN: 1897 / BS: 328 / I.S.O.



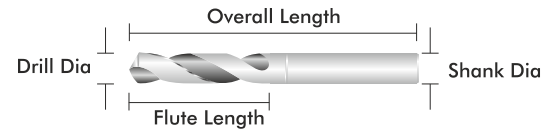
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	34660
28.50		84	168	34960
28.57	1.1/8	84	168	34960
29.00		84	168	36710
29.37	1.5/32	84	168	40350
29.50		84	168	40350
30.00		84	168	40880
30.16	1.3/16	87	174	40880
30.50		87	174	46010
30.96	1.7/32	87	174	46010
31.00		87	174	46010
31.50		87	174	46680
31.75	1.1/4	90	180	46680
32.00		90	180	47950
32.50		90	180	49130
32.54	1.9/32	90	180	49130
33.00		90	180	49130
33.34	1.5/16	90	180	49130
33.50		90	180	51780
34.00		93	186	51780
34.13	1.11/32	93	186	56830
34.50		93	186	56830
34.92	1.3/8	93	186	56830
35.00		93	186	62440
35.50		93	186	63370
35.72	1.13/32	96	193	63370
36.00		96	193	63370
36.50		96	193	63370
36.51	1.7/16	96	193	63370
37.00		96	193	68080
37.31	1.15/32	96	193	69110
37.50		96	193	69110
38.00		100	200	69110
38.10	1.1/2	100	200	69110
38.50		100	200	77150
39.00		100	200	77150
39.50		100	200	78540
40.00		100	200	78540

Special notes:

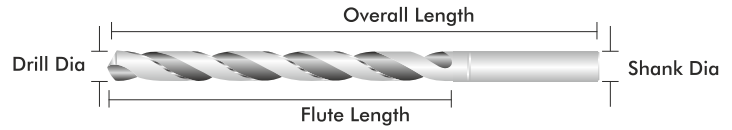
1. Intermediate or non-listed sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm (1/8") and sizes over 3.17 mm (1/8") will be charged 50% and 25% Extra respectively, subject to minimum ordering value worth Rs. 10,000/- per size.
3. All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

w.e.f.
2nd May, 2019

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	303
1.10		37	60	303
1.19	3/64	41	65	303
1.20		41	65	303
1.30		41	65	303
1.40		45	70	303
1.50		45	70	303
1.59	1/16	50	76	303
1.60		50	76	303
1.70		50	76	303
1.80		53	80	303
1.90		53	80	303
1.98	5/64	56	85	303
2.00		56	85	303
2.10		56	85	303
2.20		59	90	303
2.30		59	90	380
2.38	3/32	62	95	380
2.40		62	95	380
2.50		62	95	380
2.60		62	95	380
2.70		66	100	380
2.78	7/64	66	100	380
2.80		66	100	380
2.90		66	100	380
3.00		66	100	380
3.10		69	106	380
3.17	1/8	69	106	380
3.20		69	106	380
3.30		69	106	380
3.40		73	112	346
3.50		73	112	380
3.57	9/64	73	112	380
3.60		73	112	374
3.70		73	112	412
3.80		78	119	412
3.90		78	119	412
3.97	5/32	78	119	412

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
4.00		78	119	412
4.10		78	119	412
4.20		78	119	412
4.30		82	126	412
4.37	11/64	82	126	412
4.40		82	126	412
4.50		82	126	412
4.60		82	126	412
4.70		82	126	412
4.76	3/16	87	132	412
4.80		87	132	412
4.90		87	132	474
5.00		87	132	474
5.10		87	132	474
5.16	13/64	87	132	474
5.20		87	132	474
5.30		87	132	552
5.40		91	139	552
5.50		91	139	552
5.56	7/32	91	139	552
5.60		91	139	616
5.70		91	139	616
5.80		91	139	616
5.90		91	139	616
5.95	15/64	91	139	616
6.00		91	139	616
6.10		97	148	679
6.20		97	148	694
6.30		97	148	679
6.35	1/4	97	148	632
6.40		97	148	883
6.50		97	148	883
6.60		97	148	1057
6.70		97	148	1057
6.75	17/64	102	156	1057
6.80		102	156	1057
6.90		102	156	1057
7.00		102	156	1057

HSS Straight Shank Long Series Drills

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



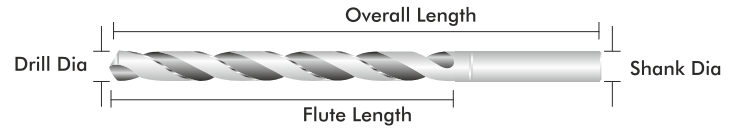
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	1057
7.14	9/32	102	156	1057
7.20		102	156	1057
7.30		102	156	1057
7.40		102	156	1057
7.50		102	156	1057
7.54	19/64	109	165	1057
7.60		109	165	1057
7.70		109	165	1057
7.80		109	165	1057
7.90		109	165	1087
7.94	5/16	109	165	1087
8.00		109	165	1087
8.10		109	165	1087
8.20		109	165	1087
8.30		109	165	1087
8.33	21/64	109	165	1087
8.40		109	165	1087
8.50		109	165	1103
8.60		115	175	1152
8.70		115	175	1152
8.73	11/32	115	175	1152
8.80		115	175	1387
9.00		115	175	1213
9.13	23/64	115	175	1370
9.20		115	175	1387
9.50		115	175	1213
9.52	3/8	121	184	1213
9.80		121	184	1401
9.92	25/64	121	184	1401
10.00		121	184	1260
10.20		121	184	1401
10.32	13/32	121	184	1260
10.50		121	184	1512
10.72	27/64	128	195	1716
10.80		128	195	1716
11.00		128	195	1591
11.11	7/16	128	195	1591

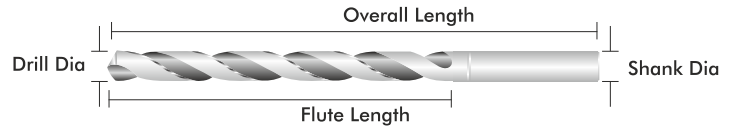
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
11.20		128	195	1843
11.50		128	195	1639
11.51	29/64	128	195	1843
11.80		128	195	1843
11.91	15/32	134	205	1639
12.00		134	205	1686
12.20		134	205	1873
12.30	31/64	134	205	1873
12.50		134	205	1686
12.70	1/2	134	205	1686
12.80		134	205	2565
13.00		134	205	2330
13.10	33/64	134	205	2597
13.20		134	205	2597
13.49	17/32	140	214	2375
13.50		140	214	2597
13.80		140	214	2818
13.89	35/64	140	214	2818
14.00		140	214	2597
14.25		144	220	2597
14.29	9/16	144	220	2597
14.50		144	220	2722
14.68	37/64	144	220	2990
14.75		144	220	2722
15.00		144	220	2722
15.08	19/32	149	227	2722
15.25		149	227	2818
15.50		149	227	2818
15.75		149	227	2818
15.87	5/8	149	227	2818
16.00		149	227	2866
16.25		154	235	2866
16.27	41/64	154	235	3193
16.50		154	235	2926
16.67	21/32	154	235	2926
16.75		154	235	2990
17.00		154	235	2990
17.07	43/64	158	241	3240

w.e.f.
2nd May, 2019

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	2990
17.46	11/16	158	241	2990
17.50		158	241	3193
17.75		158	241	3193
17.86	45/64	158	241	3526
18.00		158	241	3240
18.25		162	247	3240
18.26	23/32	162	247	3240
18.50		162	247	3383
18.65	47/64	162	247	3711
18.75		162	247	3447
19.00		162	247	3447
19.05	3/4	166	254	3447
19.25		166	254	3635
19.45	49/64	166	254	3980
19.50		166	254	3635
19.75	25/32	166	254	3635
19.84		166	254	3635
20.00		166	254	3871
20.24	51/64	171	261	4106
20.25		171	261	3871
20.50		171	261	3871
20.64	13/16	171	261	3871
20.75		171	261	3980
21.00		171	261	3980
21.03	53/64	171	261	4359
21.25		176	268	4106
21.43	27/32	176	268	4106
21.50		176	268	4359
21.75		176	268	4359
21.83	55/64	176	268	4657
22.00		176	268	4359
22.22	7/8	176	268	4359
22.25		176	268	4704
22.50		180	275	4704
22.62	57/64	180	275	5033
22.75		180	275	4814
23.00		180	275	4814
23.02	29/32	180	275	4814
23.25		180	275	4892
23.42	59/64	180	275	5756
23.50		180	275	5349
23.75		185	282	5349
23.81	15/16	185	282	5349
24.00		185	282	5568
24.21	61/64	185	282	6086
24.25		185	282	5568
24.50		185	282	5568
24.61	31/32	185	282	5568

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
24.75		185	282	5978
25.00	63/64	185	282	5978
25.25		190	290	6058
25.40	1	190	290	6058
25.50		190	290	7455
25.75		190	290	7455
25.80	1.1/64	190	290	7611
26.00		190	290	7611
26.19	1.1/32	190	290	7611
26.25		190	290	8210
26.50		190	290	8210
26.59	1.3/64	195	298	8382
26.75		195	298	8382
26.99	1.1/16	195	298	8382
27.00		195	298	8556
27.25		195	298	8556
27.38	1.5/64	195	298	8650
27.50		195	298	8650
27.75		195	298	8650
27.78	1.3/32	195	298	8650
28.00		195	298	9452
28.18	1.7/64	201	307	9577
28.25		201	307	9577
28.50		201	307	9577
28.57	1.1/8	201	307	9577
28.75		201	307	9656
28.97	1.9/64	201	307	9846
29.00		201	307	9846
29.25		201	307	9846
29.37	1.5/32	201	307	9846
29.50		201	307	9970
29.75		201	307	9970
29.77	1.11/64	201	307	10174
30.00		201	307	10174
30.16	1.3/16	207	316	10174
30.25		207	316	10819
30.50		207	316	10819
30.56	1.13/64	207	316	11008
30.75		207	316	11008
30.96	1.7/32	207	316	11008
31.00		207	316	12252
31.25		207	316	12252
31.35	1.15/64	207	316	12690
31.50		207	316	12690

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.



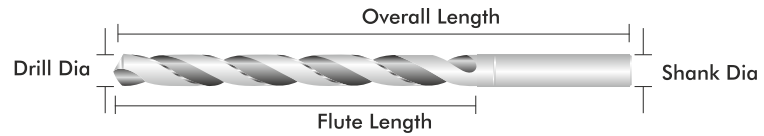
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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		900				
0.60		835				
0.70	1/32		819			
0.80		573				
0.90						
1.00			558			
1.10			558			
1.20	3/64		558			
1.30			558		868	
1.40			558			
1.50			558	737	819	
1.60	1/16		526	688	819	
1.70			526	705	819	
1.80			526	705	819	
1.90				705	819	
2.00	5/64		705	705	853	
2.10				705	1276	
2.20				705	853	
2.30				705	853	
2.40	3/32			705	853	
2.50			1015	1015	1211	
2.60						
2.70				999	1211	
2.80	7/64			999	1211	
2.90						
3.00				950	1145	1373
3.17	1/8				1145	1373
3.50	9/64				1196	1373
3.97	5/32				1129	1373
4.00				1129	1129	
4.50	11/64				1145	1422
4.76	3/16				1178	1439
5.00					1178	1439
5.50	13/64				1245	1521
5.56	7/32					
6.00	15/64				1276	1570
6.35	1/4					
9.00					1733	

Size		Over all Length in mm							
mm	inch	200	225	250	275	300	325	350	375
2.50			1978						
2.60									
2.70									
2.80	7/64	1358							
2.90									
3.00		1570	1848	2207	2794	3074			
3.17		1570	1848	2207	2794	3074			
3.50		1586	2141	2370	3138	3451		4362	
3.97		1570	2141	2386	3138	3451	3949	4313	4835
4.00		1570	2141	2386	3138	3451	3949	4313	4835
4.50		1618	2141	2386	3138	3451	4029	4425	4931
4.76		1652	2191	2436	3152	3468	4110	4508	5029
5.00		1652	2191	2436	3152	3468	4110	4508	5029
5.50		1750	2338	2598	3479	3828	4136	4525	5062
5.56		1750		2598	3479	3828	4136	4525	5062
6.00		1781	2401	2663	3447	3792	4136		5062
6.35		2239		3331	3642	4007	5283	5797	6465
6.50		2239		3331	3642	4007	5283	5797	6465
7.00	17/64	2256		3365	3887	4276	5336	5878	6531
7.14	9/32	2386		3741	4295	4725	5604	6206	6857
7.50	19/64	2386		3560	4295	4725	5604	6206	6857
7.94	5/16	2631			4476	4923	6163	6857	7543
8.00		2631	2989	3935	4476	4923	6163	6857	7543
8.50	21/64	2598		3724	4525	4978	6170	6858	7551
8.73	11/32	2598		3691	4525	4978	6170	6858	7551
9.00		2583		3691	4525	4978	6202	6904	7588
9.50	23/64	2679		3839	4508	4960	6387	7175	7817
9.52	3/8	2679		3839	4622	5085	6387	7175	7817
10.00	25/64	2730		3757	4719	5191	6536	7379	7999
10.32	13/32	2956		4083	4965	5462	6689	7582	8186
10.50		2956		4083	4965	5462	6689	7582	8186
11.00	27/64			4049	5046	5552	6690	7579	8191
11.11	7/16			4049	5046	5552	6690	7579	8191
11.50	29/64			4313	5421	5963	6749	7706	8260
11.91	15/32			4328	5421	5963	6749	7739	8260
12.00				4328	5535	6090	6749	7739	8260
12.50	31/64			4587	5535	6090	7083	8197	8669
12.70	1/2				5535	6090	7083	8197	8669

Special notes:

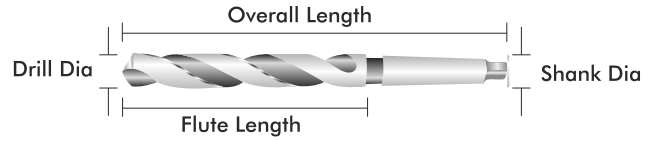
1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. For sizes below dia 9.00 mm max. Flute length which can be provided is 350mm.
3. For specials and unlisted sizes please refer to us.
4. Minimum ordering value per size should be worth Rs. 15,000/-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

w.e.f.
2nd May, 2019

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	454
3.17	1/8	36	117	454
3.20		36	117	469
3.50		39	120	454
3.57	9/64	39	120	469
3.80		43	124	469
3.97	5/32	43	124	454
4.00		43	124	454
4.20		43	124	611
4.37	11/64	47	128	611
4.50		47	128	611
4.76	3/16	52	133	611
4.80		52	133	611
5.00		52	133	611
5.16	13/64	52	133	611
5.20		52	133	611
5.50		57	138	611
5.56	7/32	57	138	611
5.80		57	138	611
5.95	15/64	57	138	611
6.00		57	138	611
6.20		63	144	703
6.35	1/4	63	144	688
6.50		63	144	703
6.75	17/64	69	150	703
6.80		69	150	703
7.00		69	150	744
7.14	9/32	69	150	744
7.20		69	150	744
7.50		69	150	744
7.54	19/64	75	156	731
7.80		75	156	731
7.94	5/16	75	156	731
8.00		75	156	731
8.20		75	156	843
8.33	21/64	75	156	889
8.50		75	156	825

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
8.73	11/32	81	162	843
8.80		81	162	935
9.00		81	162	891
9.13	23/64	81	162	935
9.20		81	162	935
9.50		81	162	891
9.52	3/8	87	168	891
9.80		87	168	1000
9.92	25/64	87	168	1059
10.00		87	168	941
10.20		87	168	1025
10.32	13/32	87	168	1059
10.50		87	168	1294
10.72	27/64	94	175	1346
10.80		94	175	1249
11.00		94	175	1249
11.11	7/16	94	175	1346
11.20		94	175	1307
11.50		94	175	1307
11.51	29/64	94	175	1307
11.80		94	175	1307
11.91	15/32	101	182	1446
12.00		101	182	1335
12.20		101	182	1335
12.30	31/64	101	182	1335
12.50		101	182	1335
12.70	1/2	101	182	1335
12.80		101	182	1335
13.00		101	182	1809
13.10	33/64	101	182	1885
13.20		101	182	1885
13.49	17/32	108	189	1885
13.50		108	189	2026
13.80		108	189	2026
13.89	35/64	108	189	2105
14.00		108	189	2105
MT2				-
14.25		114	212	2205

HSS Taper Shank Twist Drills

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



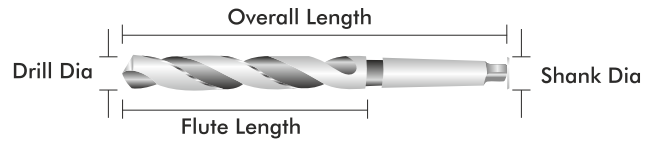
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	2205
14.50		114	212	2304
14.68	37/64	114	212	2304
14.75		114	212	2304
15.00		114	212	2304
15.08	19/32	120	218	2436
15.25		120	218	2469
15.48	39/64	120	218	2469
15.50		120	218	2469
15.75		120	218	2469
15.87	5/8	120	218	2375
16.00		120	218	2485
16.25		125	223	2485
16.27	41/64	125	223	2485
16.50		125	223	2541
16.67	21/32	125	223	2541
16.75		125	223	2541
17.00		125	223	2541
17.07	43/64	130	228	2541
17.25		130	228	2541
17.46	11/16	130	228	2590
17.50		130	228	2688
17.75		130	228	2720
17.86	45/64	130	228	2940
18.00		130	228	2940
18.25		135	233	2940
18.26	23/32	135	233	2940
18.50		135	233	2940
18.65	47/64	135	233	2920
18.75		135	233	2920
19.00		135	233	2920
19.05	3/4	140	238	2920
19.25		140	238	3068
19.45	49/64	140	238	3068
19.50		140	238	3068
19.75		140	238	3068
19.84	25/32	140	238	3068
20.00		140	238	3237

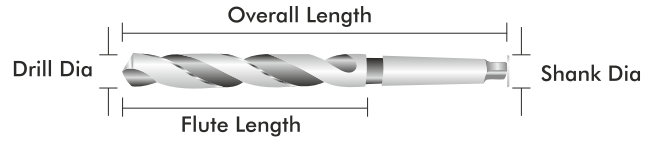
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
20.24	51/64	145	243	3347
20.25		145	243	3347
20.50		145	243	3347
20.64	13/16	145	243	3347
20.75		145	243	3480
21.00		145	243	3480
21.03	53/64	145	243	3627
21.25		150	248	3627
21.43	27/32	150	248	3627
21.50		150	248	3677
21.75		150	248	3677
21.83	55/64	150	248	3743
22.00		150	248	3743
22.22	7/8	150	248	3743
22.25		150	248	4013
22.50		155	253	4013
22.62	57/64	155	253	4154
22.75		155	253	4154
23.00		155	253	4154
23.02	29/32	155	253	4370
MT3				-
23.25		155	276	3925
23.42	59/64	155	276	4963
23.50		155	276	4963
23.75		160	281	4963
23.81	15/16	160	281	4963
24.00		160	281	5093
24.21	61/64	160	281	4905
24.25		160	281	4905
24.50		160	281	5191
24.61	31/32	160	281	4905
24.75		160	281	5422
25.00	63/64	160	281	5422
25.25		165	286	5488
25.40	1	165	286	5488
25.50		165	286	6262
25.75		165	286	6262
25.80	1.1/64	165	286	6225

w.e.f.
2nd May, 2019

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	6225
26.19	1.1/32	165	286	6225
26.25		165	286	6261
26.50		165	286	6985
26.59	1.3/64	170	291	6682
26.75		170	291	6682
26.99	1.1/16	170	291	6972
27.00		170	291	6872
27.25		170	291	6872
27.38	1.5/64	170	291	6969
27.50		170	291	6969
27.75		170	291	6969
27.78	1.3/32	170	291	6969
28.00		170	291	7548
28.18	1.7/64	175	296	7564
28.25		175	296	7564
28.50		175	296	7564
28.57	1.1/8	175	296	7564
28.75		175	296	8175
28.97	1.9/64	175	296	7926
29.00		175	296	7926
29.25		175	296	7926
29.37	1.5/32	175	296	7926
29.50		175	296	7956
29.75		175	296	7956
29.77	1.11/64	175	296	8192
30.00		175	296	8192
30.16	1.3/16	180	301	8817
30.25		180	301	9141
30.50		180	301	9141
30.56	1.13/64	180	301	9281
30.75		180	301	9281
30.96	1.7/32	180	301	9281
31.00		180	301	10342
31.25		180	301	10342
31.35	1.15/64	180	301	10791
31.50		180	301	10791
31.75	1.1/4	185	306	11630

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
MT4				-
32.00		185	334	11818
32.15	1.17/64	185	334	11818
32.50		185	334	11818
32.54	1.9/32	185	334	11818
32.94	1.19/64	185	334	12100
33.00		185	334	12100
33.34	1.5/16	185	334	12100
33.50		185	334	12624
33.73	1.21/64	190	339	12861
34.00		190	339	12861
34.13	1.11/32	190	339	13282
34.50		190	339	13951
34.53	1.23/64	190	339	14091
34.92	1.3/8	190	339	13951
35.00		190	339	13951
35.32	1.25/64	190	339	14793
35.50		190	339	14793
35.72	1.13/32	195	344	14793
36.00		195	344	15011
36.12	1.27/64	195	344	15321
36.50		195	344	15321
36.51	1.7/16	195	344	15321
36.91	1.29/64	195	344	15321
37.00		195	344	15696
37.31	1.15/32	195	344	15696
37.50		195	344	16723
37.70	1.31/64	200	349	17960
38.00		200	349	17960
38.10	1.1/2	200	349	17960
38.50	1.33/64	200	349	17501
38.89	1.17/32	200	349	17501
39.00		200	349	18543
39.29	1.35/64	200	349	18543
39.50		200	349	18543
39.69	1.9/16	200	349	18543
40.00		200	349	19011
40.08	1.37/64	205	354	19338

HSS Taper Shank Twist Drills

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



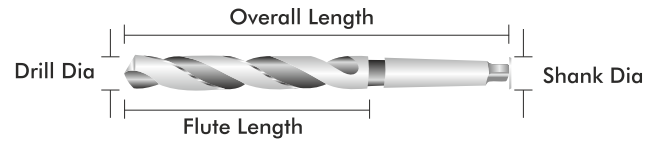
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	19338
40.50		205	354	20102
40.88	1.39/64	205	354	20102
41.00		205	354	20102
41.27	1.5/8	205	354	20102
41.50		205	354	20895
41.67	1.41/64	205	354	20895
42.00		205	354	21301
42.07	1.21/32	205	354	20895
42.47	1.43/64	205	354	21425
42.50		205	354	21425
42.86	1.11/16	210	359	21690
43.00		210	359	22202
43.26	1.45/64	210	359	22202
43.50		210	359	22202
43.66	1.23/32	210	359	22202
44.00		210	359	22983
44.05	1.47/64	210	359	22983
44.45	1.3/4	210	359	22983
44.50		210	359	22983
44.85	1.49/64	210	359	23525
45.00		210	359	23525
45.24	1.25/32	215	364	23525
45.50		215	364	24584
45.64	1.51/64	215	364	24584
46.00		215	364	24584
46.04	1.13/16	215	364	24584
46.43	1.53/64	215	364	25830
46.50		215	364	25830
46.83	1.27/32	215	364	25830
47.00		215	364	25830
47.23	1.55/64	215	364	26376
47.50		215	364	26376
47.62	1.7/8	220	369	26376
48.00		220	369	28758
48.02	1.57/64	220	369	28758
48.42	1.29/32	220	369	28758
48.50		220	369	28958

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
48.82	1.59/64	220	369	28958
49.00		220	369	28958
49.21	1.15/16	220	369	28958
49.50		220	369	29271
49.61	1.61/64	220	369	29271
50.00		220	369	29271
50.01	1.31/32	225	374	29505
50.40	1.63/64	225	374	30828
50.50		225	374	30828
50.80	2	225	374	30828
MT5				-
51.00		225	412	42273
51.50		225	412	42273
51.59	2.1/32	225	412	42273
52.00		225	412	42273
52.39	2.1/16	225	412	42273
52.50		225	412	59235
53.00		225	412	54476
53.18	2.3/32	230	417	54476
53.50		230	417	54476
53.97	2.1/8	230	417	54476
54.00		230	417	54476
54.50		230	417	57214
54.77	2.5/32	230	417	57214
55.00		230	417	57214
55.50		230	417	57214
55.56	2.3/16	230	417	57214
56.00		230	417	59627
56.36	2.7/32	230	417	59627
56.50		230	417	59627
57.00		235	422	59627
57.15	2.1/4	235	422	59627
57.50		235	422	65076
57.94	2.9/32	235	422	65076
58.00		235	422	65076
58.50		235	422	65076
58.74	2.5/16	235	422	65076
59.00		235	422	66322
59.50		235	422	66322
59.53	2.11/32	235	422	66322
60.00		235	422	66322

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:

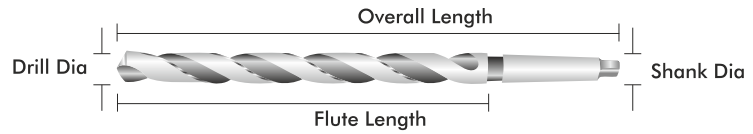
1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills will be charged 25% Extra.
3. Over size shank drills to IS:5104 in the following range 10% Extra will be charged.

w.e.f.
2nd May, 2019

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	1444
5.16	13/64	74	155	1461
5.20		74	155	1476
5.50		80	161	1492
5.56	7/32	80	161	1492
5.80		80	161	1492
5.95	15/64	80	161	1492
6.00		80	161	1492
6.20		86	167	1956
6.35	1/4	86	167	1956
6.50		86	167	1956
6.75	17/64	93	174	1973
6.80		93	174	1987
7.00		93	174	1956
7.14	9/32	93	174	2165
7.20		93	174	2246
7.50		93	174	1956
7.54	19/64	100	181	2085
7.80		100	181	2197
7.94	5/16	100	181	2181
8.00		100	181	2165
8.20		100	181	2213
8.33	21/64	100	181	2165
8.50		100	181	1987
8.73	11/32	107	188	2228
8.80		107	188	2437
9.00		107	188	2213
9.13	23/64	107	188	2453
9.20		107	188	2693
9.50		107	188	2501
9.52	3/8	116	197	2661
9.80		116	197	2886
9.92	25/64	116	197	2742
10.00		116	197	2613
10.20		116	197	2886
10.32	13/32	116	197	2756
10.50		116	197	2645

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
10.72	27/64	125	206	2693
10.80		125	206	2756
11.00		125	206	2756
11.11	7/16	125	206	3252
11.20		125	206	2853
11.50		125	206	3252
11.51	29/64	125	206	2853
11.80		125	206	2853
11.91	15/32	134	215	3285
12.00		134	215	3734
12.20		134	215	3734
12.30	31/64	134	215	3734
12.50		134	215	3734
12.70	1/2	134	215	3751
12.80		134	215	3766
13.00		134	215	3766
13.10	33/64	134	215	3846
13.20		134	215	3943
13.49	17/32	142	223	4070
13.50		142	223	4213
13.80		142	223	4213
13.89	35/64	142	223	4213
14.00		142	223	4213
MT2				-
14.25		147	245	5305
14.29	9/16	147	245	5624
14.50		147	245	5624
14.68	37/64	147	245	5510
14.75		147	245	5510
15.00		147	245	5624
15.08	19/32	153	251	5543
15.25		153	251	5575
15.48	39/64	153	251	5575
15.50		153	251	5575
15.75		153	251	5575
15.87	5/8	153	251	5718
16.00		153	251	5737
16.25		159	257	5737

HSS Taper Shank Twist Drills (Long Series)

To IS: 8305 - 1976



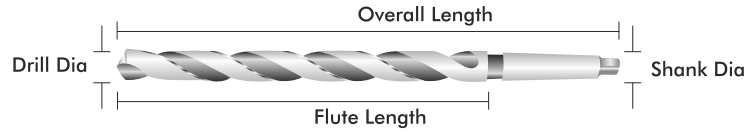
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

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	5927
16.50		159	257	6120
16.67	21/32	159	257	6120
16.75		159	257	6120
17.00		159	257	6120
17.07	43/64	165	263	6170
17.25		165	263	6217
17.46	11/16	165	263	6329
17.50		165	263	6439
17.75		165	263	6536
17.86	45/64	165	263	6665
18.00		165	263	6791
18.25		171	263	6791
18.26	23/32	171	269	6791
18.50		171	269	6791
18.65	47/64	171	269	6840
18.75		171	269	6871
19.00		171	269	6871
19.05	3/4	177	275	7049
19.25		177	275	7242
19.45	49/64	177	275	7242
19.50		177	275	7242
19.75		177	275	7242
19.84	25/32	177	275	6919
20.00		177	275	6617
20.24	51/64	184	282	6665
20.25		184	282	6712
20.50		184	282	6712
20.64	13/16	184	282	6856
20.75		184	282	7002
21.00		184	282	7002
21.03	53/64	184	282	7737
21.25		191	289	8489
21.43	27/32	191	289	8617
21.50		191	289	8728
21.75		191	289	8728
21.83	55/64	191	289	8827
22.00		191	289	8906

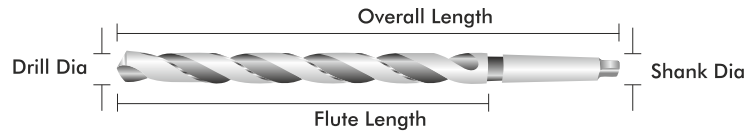
Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
22.22	7/8	191	289	9305
22.25		191	289	9707
22.50		198	296	9740
22.62	57/64	198	296	9834
22.75		198	296	9929
23.00		198	296	9929
23.02	29/32	198	296	10666
MT3				-
23.25		198	319	11388
23.42	59/64	198	319	11533
23.50		198	319	11692
23.75		206	327	11756
23.81	15/16	206	327	11932
24.00		206	327	12093
24.21	61/64	206	327	12205
24.25		206	327	12318
24.50		206	327	12318
24.61	31/32	206	327	12588
24.75		206	327	12859
25.00	63/64	206	327	12859
25.25		214	335	13118
25.40	1	214	335	12622
25.50		214	335	12125
25.75		214	335	12125
26.00		214	335	12253
26.19	1.1/32	214	335	12686
26.25		214	335	13133
26.50		214	335	13133
26.75		222	343	15888
26.99	1.1/16	222	343	16158
27.00		222	343	16417
27.25		222	343	16417
27.50		222	343	16463
27.75		222	343	16463
27.78	1.3/32	222	343	17233
28.00		222	343	18001
28.25		230	351	18161
28.50		230	351	18161

w.e.f.
2nd May, 2019

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	18433
28.75		230	351	18721
29.00		230	351	19026
29.25		230	351	19026
29.37	1.5/32	230	351	19058
29.50		230	351	19090
29.75		230	351	19090
30.00		230	351	19490
30.16	1.3/16	239	360	19249
30.25		239	360	19008
30.50		239	360	19008
30.75		239	360	19314
30.96	1.7/32	239	360	19139
31.00		239	360	18961
31.25		239	360	18961
31.50		239	360	19794
31.75	1.1/4	248	369	19954
MT4				-
32.00		248	397	21540
32.50		248	397	24405
32.54	1.9/32	248	397	24693
33.00		248	369	24999
33.34	1.5/16	348	369	25431
33.50		248	369	25846
34.00		257	406	26535
34.13	1.11/32	257	406	26088
34.50		257	406	25640
34.92	1.3/8	257	406	25750
35.00		257	406	25880
35.50		257	406	27433
35.72	1.13/32	267	416	28186
36.00		267	416	28938
36.50		267	416	29531
36.51	1.7/16	267	416	29900
37.00		267	416	30267
37.31	1.15/32	267	416	31244
37.50		267	416	32218
38.00		277	426	32075

Size-Diameter		Length mm		Price 1 N
mm	inch	flute	overall	
38.10	1.1/2	277	426	32571
38.50		277	426	33069
38.89	1.17/32	277	426	34047
39.00		277	426	35023
39.50		277	426	35023
39.69	1.9/16	277	426	35470
40.00		277	426	35920
40.48	1.19/32	287	436	37120
40.50		287	436	38321
41.00		287	436	38321
41.27	1.5/8	287	436	39074
41.50		287	436	39827
42.00		287	436	39827
42.07	1.21/32	287	436	40340
42.50		287	436	40851
42.86	1.11/16	298	447	41810
43.00		298	447	42788
43.50		298	447	42788
43.66	1.23/32	298	447	43542
44.00		298	447	44294
44.45	1.3/4	298	447	44294
44.50		298	447	44294
45.00		298	447	45336
45.24	1.25/32	310	459	46665
45.50		310	459	47993
46.00		310	459	47993
46.04	1.13/16	310	459	51197
46.50		310	459	53774
46.83	1.27/32	310	459	53774
47.00		310	459	53774
47.50		310	459	54895
47.62	1.7/8	321	470	57680
48.00		321	470	60467
48.42	1.29/32	321	470	60691
48.50		321	470	60914
49.00		321	470	60914
49.21	1.15/16	321	470	60819
49.50		321	470	60739
50.00		321	470	60739

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)



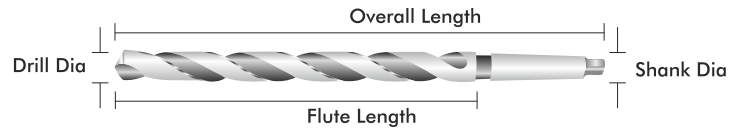
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

MAXIMUM RETAIL PRICE LIST
PRICES IN RUPEES PER 1 NO.



TWIST
(EXTRA LONG SERIES)
TAPER SHANK

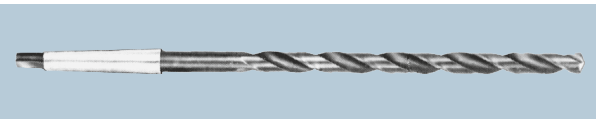


Size		Over all Length in mm			
mm	inch	200	225	250	275
3.00	1/8	2048	2430	2695	2962
3.50		2048	2512	2794	3079
4.00	5/32	1980	2430	2712	2978
4.50		2362	2645	2946	3559
5.00	3/16	2262	2545	2830	3426
5.50		2181	2695	2995	3309
6.00		2181	2695	2995	3309
6.35	1/4	2446	2746	3044	3694
6.50		2446	2746	3044	3694
7.00		2347	2629	2929	3542
7.50		2580	2895	3228	3859
7.94	5/16	2480	2778	3095	3710
8.00		2480	2778	3095	3710
8.50		2545	2860	3178	3808
9.00		2680	3010	3343	4025
9.50		2680	3010	3343	4025
9.52	3/8	2761	3010	3343	4025
10.00		2712	3044	3393	4074
10.50		3277	3674	4092	4507
11.00		3260	3674	4074	4492
11.11	7/16	3376	3792	4207	4641
11.50		3376	3792	4207	4641
12.00			3674	4092	4955
12.50			3674	4092	4955
12.70	1/2		3674	4092	4955
13.00				4842	6254
13.50				5205	6735
14.00				5205	6735
14.29	9/16			5837	6419
14.50				5837	6419
15.00				5837	6419
15.50				5788	6335
15.87	5/8			5921	6519
16.00				5954	6519
16.50				6352	6801
17.00				6352	6801

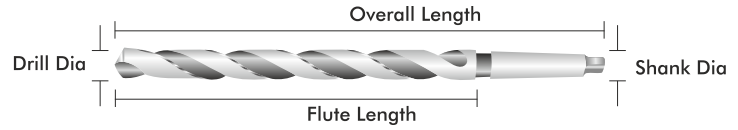
Size		Over all Length in mm				
mm	inch	300	315	325	350	375
3.00	1/8	3309		3976		
3.50		3494	3494	4158		
4.00	5/32	3376	3376	4025		
4.50		3976	3976	4308		
5.00	3/16	3825	3825	4142		
5.50		3674	3674	4441		
6.00		3674	3674	4441	4573	
6.35	1/4	4109	4109			
6.50		4109	4109	4955		
7.00		3959	3959	5238		
7.50		4392	4392	5238		
7.94	5/16	4226	4226	5022		
8.00		4226	4226	5022		
8.50		4341	4341	5155		
9.00		4557	4557	5438		
9.50		4557	4557	5438		
9.52	3/8	4557	4557	5438		
10.00		4623	4623	5506	5936	6934
10.50		4906	4906	6434	6434	7666
11.00		4891	4891	5970	6419	7649
11.11	7/16	5056	5056	6170	6633	7897
11.50		5056	5056	6170	6633	7897
12.00		5521	5521	6652	6453	8446
12.50		5521	5521	6652	7167	8446
12.70	1/2	5521	5521	6652	7167	8446
13.00		6834	6834	7399	7964	9610
13.50		7350	7350	7964	8579	10324
14.00		7350	7350	7964	8579	10109
14.29	9/16	7000	7000	8347	8995	10508
14.50		7000	7000	8347	8995	8995
15.00		7000	7000	8347	8995	10508
15.50		6918	6918	8231	8880	10359
15.87	5/8	7117	7117	8480	9129	10674
16.00		7117	7117	8480	9129	10674
16.50		7417	7417	8829	9510	11123
17.00		7417	7417	8829	9510	11123

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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	300	315	325	350	375
17.45	11/16	7616	7616	9080	9776	11422
17.50		7616	7616	9080	9776	11422
18.00		7865	7865	9378	10093	11787
18.50		7865	7865	9378	10093	11787
19.00		7964	7964	9478	10208	11937
19.05	3/4	7964	7964	9478	10208	11937
19.50		8182	8182	9760	10508	12286
20.00		8796	8796	9578	10258	12104
20.50		8730	8730	9462	10174	11986
20.64	13/16	9095	9095	9859	10609	12503
21.00		9095	9095	9859	10609	12503
21.50		9411	9411	10208	10991	12953
22.00		9595	9595	10391	11190	13184
22.22	7/8	10243	10243	11090	11954	12802
22.50		10243	10243	11090	11954	12802
23.00		10442	10442	11322	12186	13052
23.50		11406	11406	12353	13301	14248
23.81	15/16	11522	11522	12485	13434	14397
24.00		11522	11522	12485	13434	14397
24.50		11721	11721	12703	13667	14647
25.00			13266	14281	15311	
25.40	1			14281	16558	
25.50				15461	16558	
26.00				15629	16742	
26.50				16742	17939	
26.99	1.1/16			17390	18636	
27.00				17390	18636	
27.50				17441	18686	
28.00				19069	20431	
28.50				18804	20148	
28.57	1.1/8			18804	20148	
29.00				19684	21096	
29.50				19766	21179	
30.00				20181	21612	
30.16	1.3/16			20181	21612	
31.00				20415	21878	

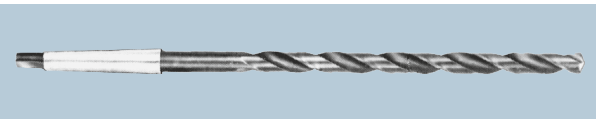
HSS Taper Shank Twist Drills (Extra Long Series)



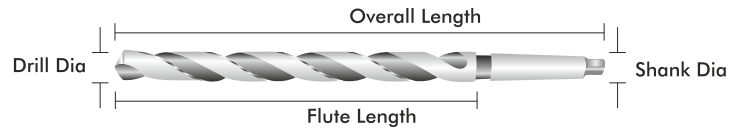
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

MAXIMUM RETAIL PRICE LIST
PRICES IN RUPEES PER 1 NO.



TWIST
(EXTRA LONG SERIES)
TAPER SHANK



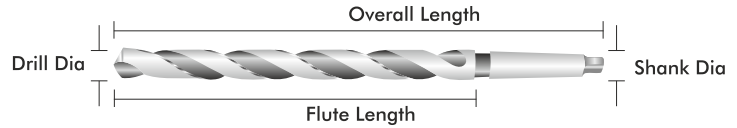
Size		Over all Length in mm				
mm	inch	400	425	450	475	500
10.00		7399				
10.50		8182				
11.00		8147				
11.11	7/16	8431				
11.50		8431				
12.00		7858				
12.50		8995				
12.70	1/2	8995				
13.00		9310				
13.50		11024				
14.00		10774				
14.29	9/16	11206	13398			
14.50		11206	13398	14182	17739	18686
15.00		11206	13398	14182	17739	18686
15.50		11057	13218	13998	17506	18420
15.87	5/8	11371	13599	14397	18004	18953
16.00		11371	13599	14397	18004	18953
16.50		11854	14165	15012	18769	19766
17.00		11854	14165	15429	19302	19766
17.45	11/16	12186	14581	15429	19302	20316
17.50		12186	14581	15429	19302	20316
18.00		12586	15045	15927	19916	20965
18.50		12586	15045	15927	19916	20965
19.00		12734	15210	16110	20148	21214
19.05	3/4	12734	15210	16110	20148	21214
19.50		13101	15660	16576	20732	21829
20.00		12902	14963	15845	20200	21266
20.50		12802	14831	15693	20033	21081
20.64	13/16	13349	15461	16377	20881	21978
21.00		13349	15461	16377	20881	21978
21.50		13798	16010	16957	21612	22759
22.00		14066	16309	17257	22011	23175
22.22	7/8	13649	15959	16891	19468	20482
22.50		13649	15959	16891	19468	20482
23.00		13932	16276	17241	19850	20881
23.50		15195	17772	18819	21661	22808
23.81	15/16	15361	17939	19003	21878	23026
24.00		15361	17939	19003	21878	23026
24.50		15629	18686	19783	23191	24422
25.00		16327	19085	20200	23257	24490
25.40	1	17672	20647	21861	25186	26501
25.50		17672	20647	21861	25186	26501

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MAXIMUM RETAIL PRICE LIST
PRICES IN RUPEES PER 1 NO.



TWIST
(EXTRA LONG SERIES)
TAPER SHANK



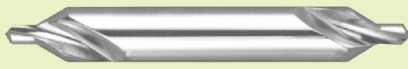
Size		Over all Length in mm					
mm	inch	400	425	450	475	500	525
26.00		17856	20881	22109	25452	26799	
26.50		19135	20333	21529	25002	26317	
26.99	1.1/16	19868	21114	22344	25951	27316	
27.00		19868	21114	22344	25951	27316	
27.50		19932	21179	22427	26032	27414	
28.00		21794	24321	25734	28460	29958	
28.50		21496	23972	25385	28063	29542	
28.57	1.1/8	21496	23972	25385	28063	29542	
29.00		22493	25104	26582	29392	30939	
29.50		22592	25203	26681	29507	31053	
30.00		23058	25734	27247	30122	31702	
30.16	1.3/16	23058	25734	27247	30122	31702	
31.00		23324	26333	27879	29425	30987	
31.75	1.1/4	23324	26333	27879	29425	30987	
32.00		24022	27115	28708	30323	31903	39416
33.00		24604	27762	29408	31037	32668	40363
33.34	1.5/16	24604	27762	29408	31037	35176	40363
34.00		25552	28842	30540	32234	33929	41925
34.92	1.3/8	28228	29989	31768	35624	38119	39365
35.00		28228	29989	31768	35624	37504	39365
36.00		28877	30688	32500	38867	40912	42955
36.51	1.7/16	30206	32102	33978	40643	41044	44932
37.00		30206	32102	33978	40643	42789	44932
38.00		31270	33215	35176	42075	44303	46514
38.10	1.1/2	31270	33215	35176	42075	42591	46514
39.00		34262	36273	38417	43255	45532	50787
40.00		35028	37205	39399	44352	46697	52099
41.00						48673	
41.27	1.5/8					48673	
42.00						50569	
43.00						52996	
44.00						54859	
44.45	1.3/4					56153	
45.00						56153	
45.50	1.13/16					57902	
46.00						57902	
47.00						60810	
47.62	1.7/8					66777	
48.00						66777	
49.00	1.15/16					67275	
50.00						67075	

Special notes:

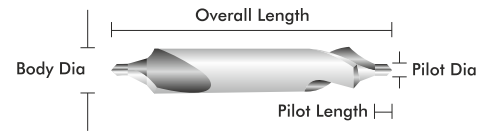
1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. All sizes (in Dia and Length) should be ordered in multiples of 5 upto dia 25.40 mm.
3. Minimum ordering value per size should be worth Rs. 15,000 /- gross.
4. For specials and unlisted sizes please 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	258
1.25	3.15	33.5	29.5	2.2	1.6	258
1.60	4.00	37.5	33.5	2.8	2.0	258
2.00	5.00	42.0	38.0	3.3	2.5	258
2.50	6.30	47.0	43.0	4.1	3.1	288
3.15	8.00	52.0	48.0	4.9	3.9	423
4.00	10.00	59.0	53.0	6.2	5.0	528
5.00	12.50	66.0	60.0	7.5	6.3	873

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	512
2.00	8.00	52	48	3.3	2.5	733
2.50	10.00	59	53	4.1	3.1	924
3.15	11.20	63	57	4.9	3.9	1224
4.00	14.00	70	64	6.2	5.0	1457

AS PER B.S. 328 (PART 2)

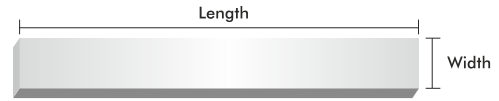
Size	Pilot Dia Inch	Body Dia Inch	Pilot Length Inch		OAL Inch	Tolerance on Overall Length	Price 1 N
			Max.	Min.			
BS 1	3/64	1/8	5/64	1/16	1.1/2	± 1/32	258
BS 2	1/16	3/16	3/32	5/64	1.3/4	± 1/33	258
BS 3	3/32	1/4	5/32	1/8	2	± 1/16	288
BS 4	1/8	5/16	3/16	5/32	2.1/4	± 1/16	448
BS 5	3/16	7/16	9/32	1/4	2.1/2	± 3/32	564
BS 6	1/4	5/8	0.375	0.312	3.093	2.906	954

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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	133	211	262	274
3/16 x 4	5 x 100	168	314	392	405
3/16 x 6	5 x 150	262	574	835	846
1/4 x 3	6 x 75	145	274	353	366
1/4 x 4	6 x 100	180	366	470	483
1/4 x 6	6 x 150	252	600	781	796
5/16 x 3	8 x 75	159	353	457	470
5/16 x 4	8 x 100	218	497	640	652
5/16 x 6	8 x 150	358	781	1016	1029
3/8 x 3	10 x 75	206	418	547	561
3/8 x 4	10 x 100	239	547	730	742
3/8 x 6	10 x 150	388	873	1159	1172
3/8 x 8	10 x 200	527	1236	1667	1679
1/2 x 3	12 x 75	302	652	886	912
1/2 x 4	12 x 100	396	873	1159	1186
1/2 x 6	12 x 150	616	1341	1834	1862
1/2 x 8	12 x 200	800	1873	2563	2589
5/8 x 4	16 x 100	630	1432	1965	1991
5/8 x 6	16 x 150	967	2160	2875	2913
5/8 x 8	16 x 200	1231	2952	4032	4083
3/4 x 4	20 x 100	842	2004	2705	2732
3/4 x 6	20 x 150	1329	2992	3967	4006
3/4 x 8	20 x 200	1772	4006	5423	5489
1 x 6	25 x 150	2218	4968	6644	6723
1 x 8	25 x 200	3017	6619	8868	8959

Standard Masonry Drills



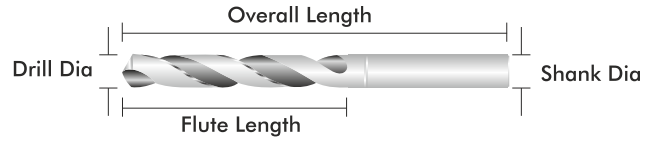
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.
2nd May, 2019

MAXIMUM RETAIL PRICE LIST
PRICES IN RUPEES PER 1 NO.



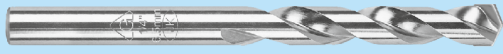
MASONRY



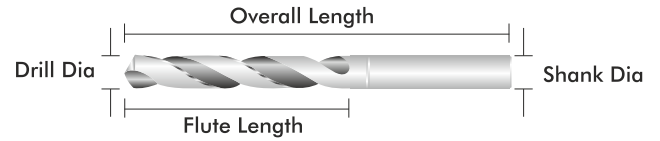
Size		Length		Price (Rs.) Each
inch	mm	flute	overall	
1/8	3.00	33	67	81
5/32	4.00	40	78	88
3/16	5.00	45	88	95
7/32	5.50	50	88	115
15/64	6.00	54	102	128
1/4	6.50	54	102	113
9/32	7.00	55	108	219
5/16	8.00	64	118	197
11/32	9.00	78	135	252
3/8	10.00	78	135	226
7/16	11.00	82	148	316
15/32	12.00	85	152	282
1/2	13.00	85	152	282

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MAXIMUM RETAIL PRICE LIST
PRICES IN RUPEES PER 1 NO.



**SUPER GRANIT
MASONRY**



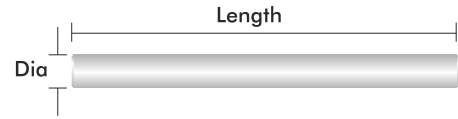
Size		Length		Price (Rs.) Each
inch	mm	flute	overall	
1/8	3.00	33	67	135
5/32	4.00	40	78	151
3/16	5.00	45	88	162
7/32	5.50	50	88	189
15/64	6.00	54	102	216
1/4	6.50	54	102	189
9/32	7.00	55	108	251
5/16	8.00	64	118	328
11/32	9.00	78	135	425
3/8	10.00	78	135	376
7/16	11.00	82	148	527
15/32	12.00	85	152	467
1/2	13.00	85	152	467

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2nd May, 2019

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			790
0.70 to 0.79			690
0.80 to 0.89	1/32		660
0.90 to 0.99			660
1.00 to 1.60	3/64, 1/16	61 to 53	450
1.61 to 2.78	5/64, 3/32, 7/64	52 to 36	470
2.79 to 3.00		35 to 32	490
3.05 to 3.17	1/8	31	570
3.20 to 3.57	9/64	30 to 28	580
3.60 to 4.00	5/32	27 to 22	720
4.04 to 4.40	11/64	21 to 17	820
4.50 to 4.80	3/16	16 to 12	1160
4.85 to 5.20	13/64	11 to 6	1190
5.22 to 5.60	7/32	5 to 8	1290
5.61 to 6.00	15/64	2, 1 & A	1430
6.04 to 6.40	1/4	B to E	1580
6.50 to 6.80	17/64	F to H	1980
6.90 to 7.20	9/32	I to K	2300
7.30 to 7.50		L to M	2550
7.54 to 7.90	19/64	N	2630
7.94 to 8.20	5/16	O & P	2890
8.30 to 8.70	21/64	Q & R	3470
8.73 to 9.09	11/32	S & T	3600
9.10 to 9.50	23/64	U	3800
9.52 to 9.80	3/8	V & W	4270
9.90 to 10.20	25/64	X	4910
10.26 to 10.60	13/32	Y & Z	5200
10.70 to 11.00	27/64		5490
11.10 to 11.40	7/16		6140
11.50 to 11.80	29/64		6460
11.90 to 12.20	15/32		6920
12.30 to 12.60	31/64		7280
12.70 to 13.00	1/2		7680

- 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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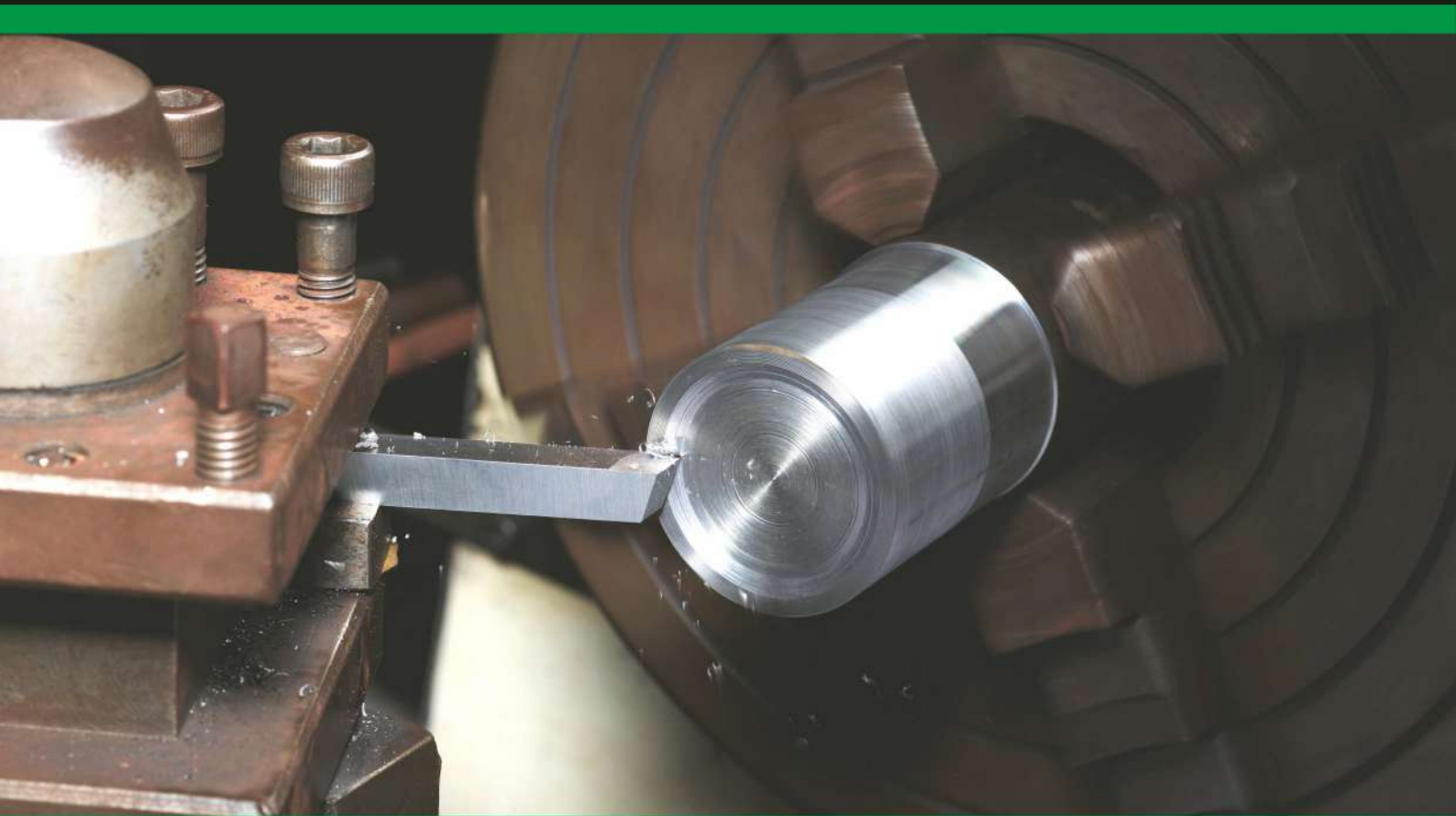
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