



**CARBIDE ENDMILLS
& DRILLS**

Authorised Dealer

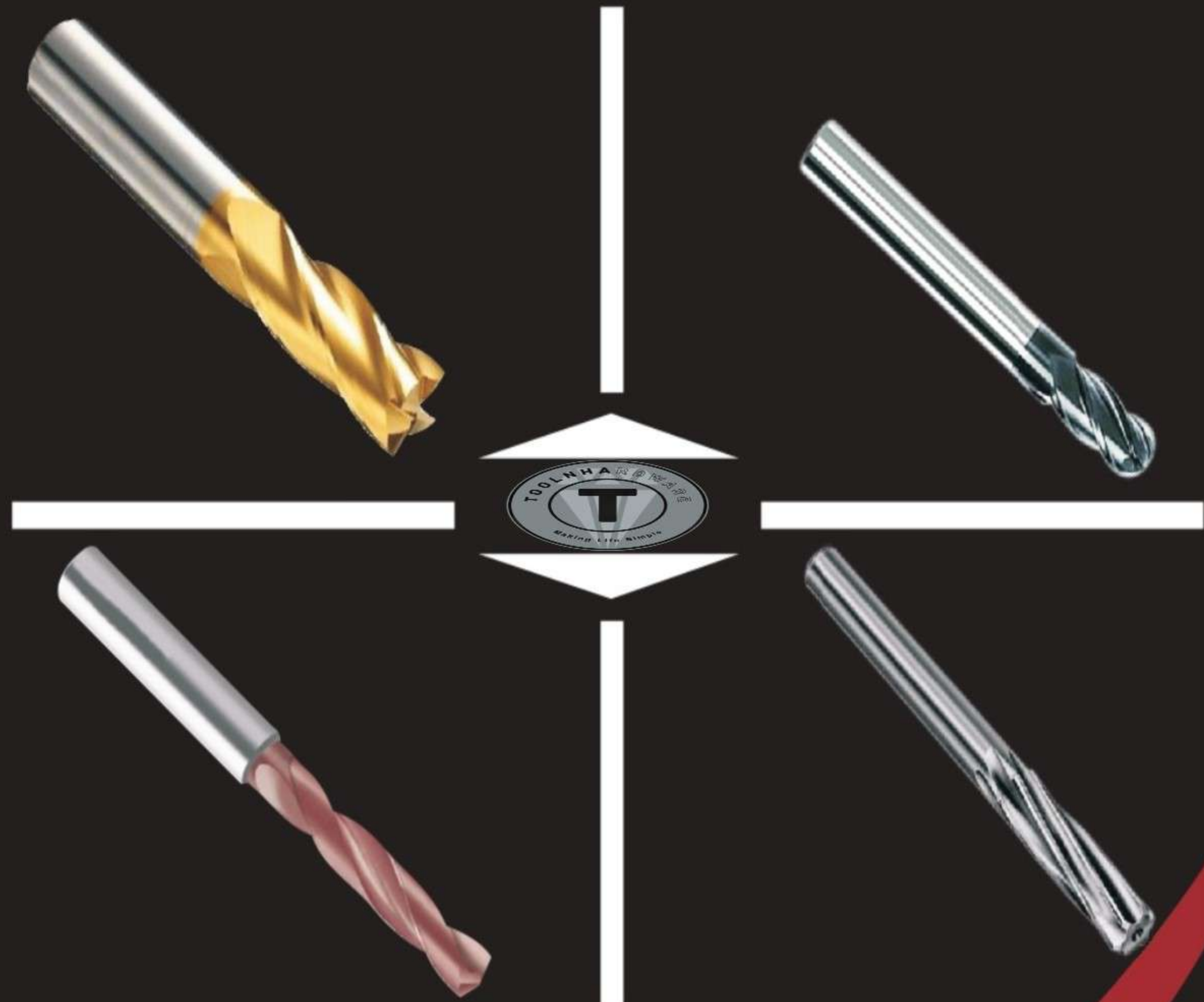
LIST No. 16

TOOL 'N' HARDWARE

**CARBIDE ENDMILL
& DRILL**

**CARBIDE TOOLS
STANDS FOR**

- CONSISTENT QUALITY
- MORE EFFICIENT CUTTING
- PROMPT TECHNICAL SERVICE
- LONGER LIFE





TOOL 'N' HARDWARE

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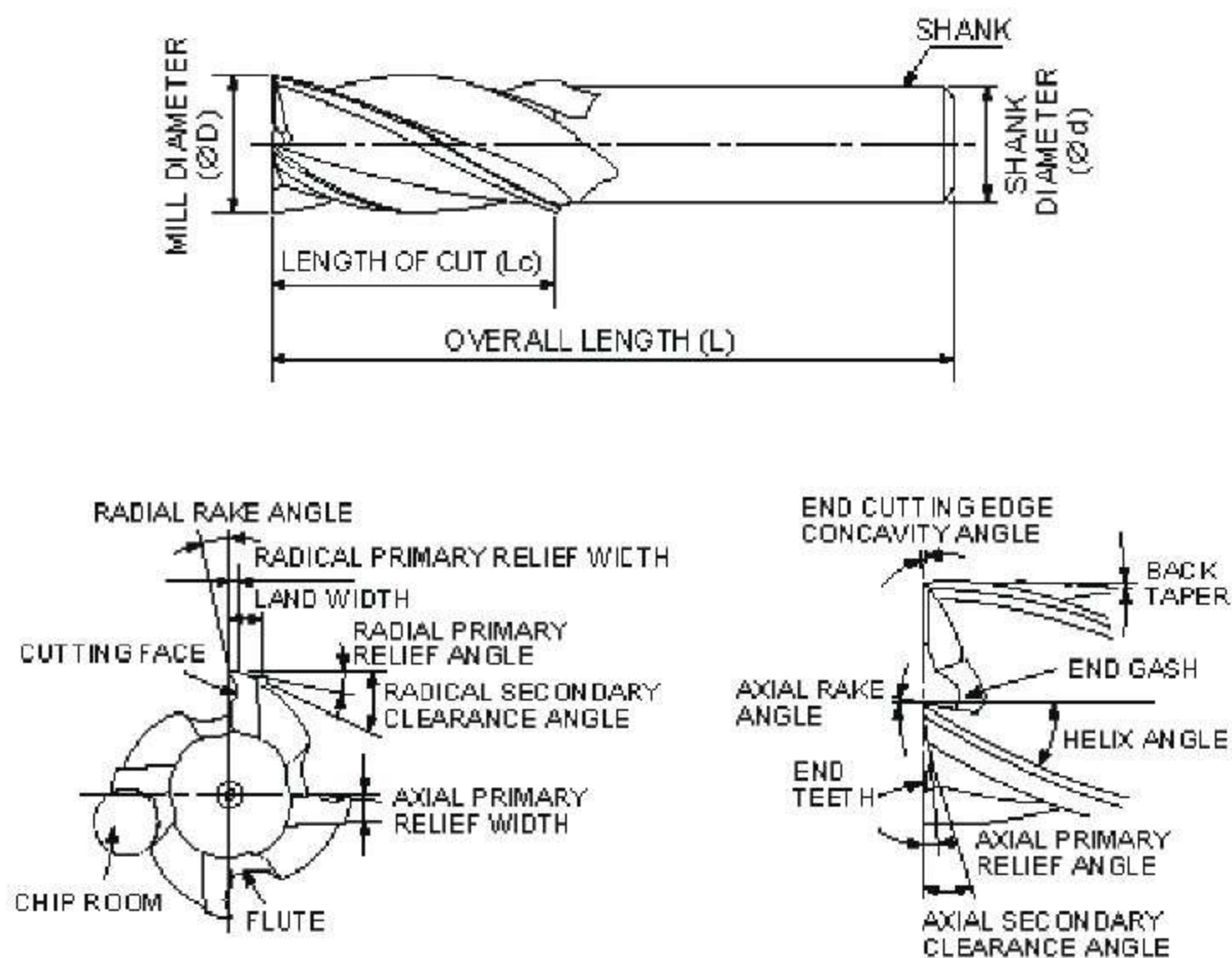


TOOL 'N' HARDWARE

CARBIDE ENDMILL



ENDMILL NOMENCLATURE





TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

2F & 4F (LATUMA COATING)		STANDARD CARBIDE FLAT ENDMILL UPTO 45 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs.
1(2F)	4	38	3	370
1(2F)	6	50	3	395
1.5	6	38	3	370
2	6	38	3	370
2	8	50	3	395
2.5	8	50	3	395
3	12	38	3	370
3	14	50	3	395
3	25	75	3	590
3	30	100	3	810
4	14	50	4	420
4	25	75	4	655
4	30	100	4	810
5	16	50	5	520
5	25	75	5	785
5	35	100	5	1045
6	18	50	6	630
6	30	75	6	915
6	35	100	6	1215
6	75	150	6	1895
7	20	60	7	920
8	20	60	8	1022
8	30	75	8	1370
8	40	100	8	1647
8	75	150	8	2802
8	100	200	8	4095
10	30	75	10	1830
10	50	100	10	2410
10	75	150	10	3780
10	100	200	10	5345
11	30	75	11	2150
12	30	75	12	2525
12	50	100	12	3275



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

2F & 4F (LATUMA COATING)		STANDARD CARBIDE FLAT ENDMILL UPTO 45 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs.
12	60	150	12	4890
12	75	150	12	4890
12	100	200	12	7440
14	30	75	14	3620
14	50	100	14	4690
14	75	150	14	7120
16	30	75	16	4310
16	30	89	16	5620
16	50	100	16	5620
16	75	150	16	8565
16	100	200	16	11730
18	50	100	18	7240
20	50	100	20	9119
20	75	150	20	13365
20	80	150	20	13945
20	120	200	20	17290
25	50	100	25	13945
25	75	150	25	20855



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

2F & 4F (LATUMA COATING)		STANDARD CARBIDE BALLNOSE UPTO 45 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs.
1(2F)	4	38	3	385
1.5(2F)	6	38	3	410
2	8	38	3	385
3	12	38	3	395
3	14	50	3	415
3	25	75	3	655
3	30	100	3	861
4	14	50	4	445
4	25	75	4	730
4	30	100	4	860
5	16	50	5	555
5	25	75	5	860
5	35	100	5	1150
6	18	50	6	670
6	30	75	6	970
6	35	100	6	1330
6	40	150	6	2245
8	20	60	8	1255
8	30	75	8	1505
8	40	100	8	1890
8	50	150	8	3000
8	30	200	8	4500
10	30	75	10	1960
10	50	100	10	2610
10	60	150	10	3960
10	30	200	10	5730
11	30	75	11	2260
12	30	75	12	2610
12	50	100	12	3395
12	60	150	12	5345
12	30	200	12	7885
14	30	75	14	3910
16	30	75	16	4690
16	50	100	16	6060
16	60	150	16	9385
16	30	200	16	12050
20	50	100	20	9775
20	30	200	20	18730



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

3F (LATUMA COATING)		STANDARD CARBIDE FLAT ENDMILL UPTO 45 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs
4	14	50	4	432
4	25	75	4	685
4	30	100	4	860
5	16	50	5	530
5	25	75	5	820
5	35	100	5	1100
6	18	50	6	650
6	30	75	6	910
6	35	100	6	1275
6	50	150	6	2255
8	20	60	8	1220
8	30	75	8	1470
8	40	100	8	1820
8	50	150	8	3035
10	30	75	10	1900
10	50	100	10	2480
10	60	150	10	3935
12	30	75	12	2455
12	50	100	12	3200
12	60	150	12	6360
14	30	75	14	3705
14	50	100	14	4870
14	60	150	14	7410
16	30	75	16	4455
16	50	100	16	5795
16	75	150	16	8900



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL Price List No - 16

CARBIDE ENDMILL

1F (LATUMA COATING)		STANDARD CARBIDE FLAT ENDMILL UPTO 45 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs
3	16	50	3	520
4	22	50	4	555
4	30	60	4	695
4	35	75	4	830
4	50	100	4	1110
5	22	50	5	695
5	30	60	5	865
5	35	75	5	1039
5	50	100	5	1385
6	22	50	6	831
6	30	60	6	1040
6	35	75	6	1250
6	50	100	6	1660
8	22	50	8	1250
8	30	60	8	1520
8	35	75	8	1800
8	50	100	8	2350
10	22	50	10	1900
10	30	60	10	2250
10	35	75	10	2590
10	50	100	10	3285
12	22	50	12	2285
12	30	60	12	2700
12	35	75	12	3110
12	50	100	12	3940
14	50	100	14	5588
16	50	100	16	6625



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

2F & 4F (HELICA COATING)		CLASSIC CARBIDE FLAT ENDMILL UPTO 55 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs.
1 (2F)	4	38	3	650
1.5	6	38	3	600
2	8	38	3	570
2.5	10	38	3	570
3	12	38	3	540
3	14	50	3	665
3	25	75	3	1110
3	25	100	3	1385
4	14	50	4	695
4	20	75	4	1045
4	25	100	4	1430
5	16	50	5	945
5	20	75	5	1295
5	25	100	5	1570
6	16	50	6	1015
6	25	75	6	1430
6	30	100	6	1663
6	50	150	6	2680
7	20	60	7	1330
8	20	60	8	1440
8	25	75	8	2085
8	50	100	8	2720
8	75	150	8	3920
9	25	75	9	2290
10	25	75	10	2510
10	40	100	10	3400
10	75	150	10	5300
12	25	75	12	3150
12	40	100	12	4400
12	60	150	12	7000
12	60	200	12	10070
14	30	75	14	4700
14	40	100	14	6140
14	60	150	14	9560
14	60	200	14	12760



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

2F & 4F (HELICA COATING)		CLASSIC CARBIDE FLAT ENDMILL UPTO 55 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs.
16	30	75	16	5540
16	40	100	16	7280
16	60	150	16	10980
16	60	200	16	15460
18	40	100	18	10,070
18	60	150	18	15,890
18	60	200	18	21,080
20	40	100	20	11600
20	60	150	20	18300
20	60	200	20	24860
22	40	100	22	15200
22	60	150	22	22800
25	40	100	25	18800
25	60	150	25	28200
25	60	200	25	37600



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL (BALL NOSE)

Price List No - 16

CARBIDE ENDMILL

2F & 4F (HELICA COATING)		CLASSIC CARBIDE BALLNOSE UPTO 55 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs
1 (2F)	4	38	3	750
1.5 (2F)	6	38	3	750
2	8	38	3	680
2.5	12	38	3	650
3	12	38	3	625
3	15	50	3	820
3	20	75	3	1365
3	25	100	3	1550
4	14	50	4	820
4	20	75	4	1240
4	25	100	4	1370
5	16	50	5	1090
5	20	75	5	1500
5	25	100	5	1685
6	16	50	6	1090
6	25	75	6	1685
6	30	100	6	1820
6	50	150	6	3180
7	20	60	7	1415
8	20	60	8	1530
8	25	75	8	2230
8	30	100	8	2860
8	50	150	8	4115
9	25	75	9	2450
10	25	75	10	2635
10	40	100	10	3638
10	60	150	10	5670
12	25	75	12	3275
12	40	100	12	4620
12	60	150	12	7350
12	60	200	12	10,570
14	30	75	14	4975
14	40	100	14	6420



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL (BALL NOSE)

Price List No - 16

CARBIDE ENDMILL

2F & 4F (HELICA COATING)		CLASSIC CARBIDE BALLNOSE UPTO 55 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs
14	60	150	14	10,040
14	60	200	14	13400
16	30	75	16	5800
16	40	100	16	7640
16	60	150	16	11520
16	60	200	16	16200
18	40	100	18	10,575
18	60	150	18	16680
18	60	200	18	22130
20	40	100	20	12180
20	60	150	20	19215
20	60	200	20	26100
25	40	100	25	19740
25	60	150	25	29610
25	60	200	25	39480



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL

Price List No - 16

CARBIDE ENDMILL

2F & 4F (HELICA COATING)		PREMIUM CARBIDE FLAT ENDMILL UPTO 60 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs.
1 (2F)	4	38	3	815
1.5	6	38	3	750
2	4	38	3	715
2	4	50	3	825
2.5	5	50	3	825
2.5	12	38	3	715
3	12	38	3	675
3	15	50	3	815
3	20	75	3	1380
3	25	100	3	1645
4	14	50	4	870
4	20	75	4	1300
4	25	100	4	1740
4	50	150	4	2810
5	16	50	5	1180
5	20	75	5	1620
5	25	100	5	1955
6	16	50	6	1265
6	25	75	6	1780
6	30	100	6	2085
6	50	150	6	3250
8	20	60	8	1800
8	25	75	8	2600
8	30	100	8	3400
8	50	150	8	4900
10	25	75	10	3140
10	40	100	10	4250
10	60	150	10	7050
12	25	75	12	3940
12	40	100	12	5500
12	60	150	12	8750
14	40	100	14	7675
16	40	100	16	9100
16	60	150	16	13725
20	40	100	20	14500



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE ENDMILL (BALL NOSE)

Price List No - 16

CARBIDE ENDMILL

2F & 4F (HELICA COATING)		PREMIUM CARBIDE BALLNOSE UPTO 60 HRC		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs
3	12	50	3	870
3	20	75	3	1455
4	14	50	4	920
4	20	75	4	1380
4	25	100	4	1860
5	16	50	5	1250
5	20	75	5	1710
5	25	100	5	2075
6	16	50	6	1340
6	25	75	6	1895
6	30	100	6	2210
6	50	150	6	3440
8	20	60	8	1915
8	25	75	8	2755
8	30	100	8	3610
8	50	150	8	5190
10	25	75	10	3340
10	40	100	10	4490
10	60	150	10	7420
12	25	75	12	4170
12	40	100	12	5810
12	60	150	12	9180
16	40	100	16	9570

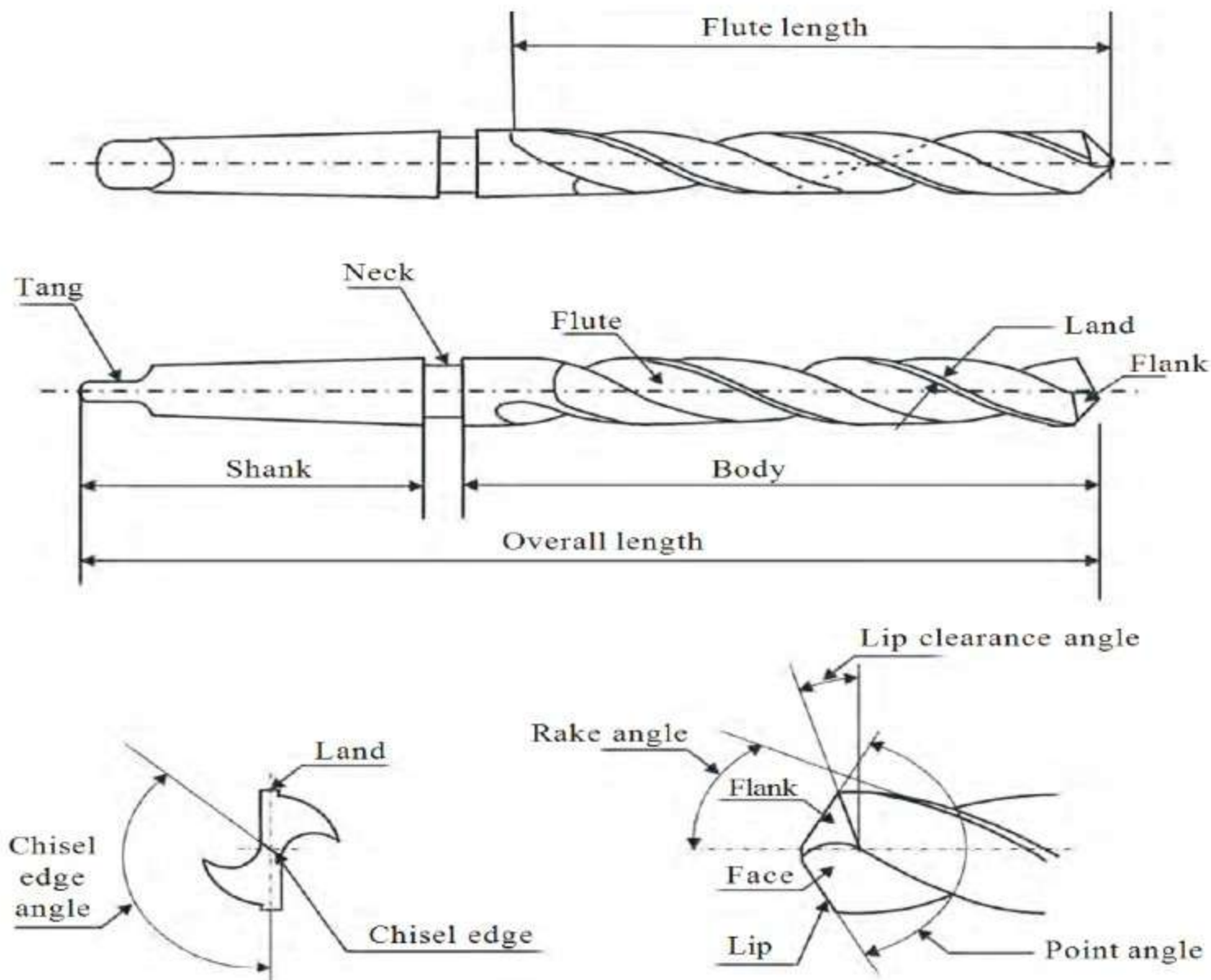


TOOL 'N' HARDWARE

CARBIDE DRILL



DRILL NOMENCLATURE



Twist drill nomenclature



TOOL 'N' HARDWARE

PRICE LIST OF: (CARBIDE DRILL (STUB))

Price List No - 16

CARBIDE DRILL

LATUMA COATING		STANDARD CARBIDE STUB DRILLS		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs. Coated
2.0	12	38	2.0	400
2.2	13	40	2.2	485
2.5	14	43	2.5	485
3.0	16	46	3.0	515
3.2	18	49	3.2	550
3.3	18	49	3.3	565
3.4	20	52	3.4	585
3.5	20	52	3.5	600
4.0	22	55	4.0	685
4.2	22	55	4.2	775
4.5	24	58	4.5	775
5.0	26	62	5.0	860
5.1	26	62	5.1	875
5.2	26	62	5.2	895
5.5	28	66	5.5	945
6.0	28	66	6.0	1030
6.5	31	70	6.5	1115
6.8	34	74	6.8	1165
7.0	34	74	7.0	1200
7.5	34	74	7.5	1610
8.0	37	79	8.0	1715
8.5	37	79	8.5	1830
9.0	40	84	9.0	1930
9.5	40	84	9.5	1930
10.0	43	89	10.0	2285
10.2	43	89	10.2	3645
10.5	43	89	10.5	3760
11.0	47	95	11.0	3930
11.5	47	95	11.5	4115
12.0	51	102	12.0	4285
12.5	51	102	12.5	4470
13.0	51	102	13.0	4645
13.5	51	102	13.5	4830
14.0	54	107	14.0	5000
14.5	54	107	14.5	5715



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE DRILL (STUB)

Price List No - 16

CARBIDE DRILL

LATUMA COATING		STANDARD CARBIDE STUB DRILLS		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs. Coated
15.0	56	109	15.0	6000
16.0	56	109	16.0	7430
17.0	56	109	17.0	8570
18.0	56	109	18.0	9715
19.0	56	109	19.0	11430
20.0	56	109	20.0	12000



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE DRILL (JOBBER)
Price List No - 16

CARBIDE DRILL

LATUMA COATING		STANDARD CARBIDE JOBBER DRILLS		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs. Coated
2.0	24	49	2.0	685
2.2	27	53	2.2	685
2.5	30	57	2.5	685
2.7	30	57	2.7	685
3.0	33	61	3.0	685
3.2	39	65	3.2	785
3.3	39	65	3.3	795
3.4	39	65	3.4	795
3.5	39	70	3.5	795
3.8	43	75	3.8	870
4.0	43	75	4.0	915
4.2	47	80	4.2	960
4.4	47	80	4.4	1005
4.5	47	80	4.5	1005
5.0	52	86	5.0	1145
5.1	52	86	5.1	1165
5.2	52	86	5.2	1190
5.5	57	93	5.5	1260
6.0	57	93	6.0	1370
6.2	63	101	6.2	1420
6.5	63	101	6.5	1485
6.8	69	109	6.8	1555
7.0	69	109	7.0	1600
7.2	69	109	7.2	1850
7.5	69	109	7.5	1930
8.0	75	117	8.0	2060
8.5	75	117	8.5	2185
9.0	81	125	9.0	2830
9.5	81	125	9.5	2985
9.8	87	133	9.8	3145
10.0	87	133	10.0	3145
10.2	87	133	10.2	4370
10.5	87	133	10.5	4500



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE DRILL (JOBBER)

Price List No - 16

CARBIDE DRILL

LATUMA COATING		STANDARD CARBIDE JOBBER DRILLS		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs. Coated
11.0	94	142	11.0	5030
11.5	94	142	11.5	5260
12.0	101	151	12.0	5485
12.5	101	151	12.5	5715
13.0	110	160	13.0	6500
13.5	110	160	13.5	6760
14.0	110	160	14.0	7000
15.0	110	160	15.0	8570
16.0	110	160	16.0	9145
17.0	110	160	17.0	11,715
18.0	110	160	18.0	12,150
19.0	110	160	19.0	14,570
20.0	110	160	20.0	15,100



TOOL 'N' HARDWARE

PRICE LIST OF: CARBIDE DRILL (STUB)

Price List No - 16

CARBIDE DRILL

HELICA COATING		CLASSIC CARBIDE STUB DRILLS		
Flute Diameter	Flute Length	Overall Length	Shank Diameter	Rate Per Pcs. Coated
2.0	12	39	2.0	630
2.1	14	39	2.1	630
2.2	14	39	2.2	630
2.3	14	39	2.3	630
2.4	14	39	2.4	630
2.5	14	39	2.5	630
2.6	20	54	2.6	673
2.7	20	54	2.7	673
2.8	20	54	2.8	673
2.9	20	54	2.9	673
3.0	20	54	3.0	673
3.1	20	54	3.1	726
3.2	20	54	3.2	726
3.3	20	54	3.3	800
3.4	20	54	3.4	830
3.5	20	54	3.5	830
3.6	22	54	3.6	830
3.7	22	54	3.7	830
3.8	22	54	3.8	830
3.9	22	54	3.9	830
4.0	22	54	4.0	830
4.1	24	63	4.1	881
4.2	24	63	4.2	881
4.3	24	63	4.3	1128
4.4	24	63	4.4	1128
4.5	24	63	4.5	1128
4.6	26	63	4.6	1128
4.7	26	63	4.7	1128
4.8	26	63	4.8	1128
4.9	26	63	4.9	1128
5.0	26	63	5.0	1128
5.1	28	63	5.1	1175
5.2	28	63	5.2	1215
5.3	28	63	5.3	1330
5.4	28	63	5.4	1330