



SERIES GROUP	Series	Dia Range	Page No.	Stock	# of Flutes	Coating	Description
HP-SUS*	222	3-20	2	Yes	4	NOVA	Carbide 1X SUS Series 4F End Mills NOVA Coated
	322	3-20	2	Yes	4	NOVA	Carbide 3X SUS Series 4F End Mills NOVA Coated
	422	4-12	2	++	4	NOVA	Carbide 4X SUS Series 4F End Mills NOVA Coated
	221	3-20	3	++	4	NOVA	Carbide 1X SUS Series 4F Radius End Mills NOVA Coated
	321	3-20	3	++	4	NOVA	Carbide 3X SUS Series 4F Radius End Mills NOVA Coated
	325	4-20	3	++	4	AL-Pro	Carbide 3X SUS Series 4F End Mills AL-Pro Coated
HP-SSM	224	4-16	4	++	4	NOVA	Carbide 1X SSM Series 4F End Mills NOVA Coated
	324	4-20	4	++	4	NOVA	Carbide 3X SSM Series 4F End Mills NOVA Coated
HP-4X	401	2-12	5	Yes	4	ALDURA	Carbide 4X Series 4F Flat End Mills upto 70HRC
	402	1-12	5	Yes	2	ALDURA	Carbide 4X Series 2F Ball Nose upto 70HRC
	403	1-12	5	++	2	ALDURA	Carbide 4X Series 2F Flat End Mills upto 70HRC
	406	2-12	6	++	2	ALDURA	Carbide 4X Series 2F Ball Nose with Taper Neck upto 70HRC
	407	6-12	6	++	6	ALDURA	Carbide SUPER-CUT END MILLS (High Feed Cutter)
HP-3X	301	2-16	7	Yes	4	NOVA	Carbide 3X Series 4F End Mills upto 60HRC
	302	3-16	8	Yes	4	NOVA	Carbide 3X Series 4F Ball Nose upto 60HRC
	303	1-12	9	++	2	NOVA	Carbide 3X Series 2F End Mills upto 60HRC
	304	1-12	9	Yes	2	NOVA	Carbide 3X Series 2F Ball Nose upto 60HRC
	305	1-4	10	++	2	NOVA	Carbide 3X Series 2F Rib Processing End Mills upto 60HRC
	306	1-4	10	++	2	NOVA	Carbide 3X Series 2F Rib Processing Ball Nose upto 60HRC
	307	2-12	11	++	2	NOVA	Carbide 3X Series 2F Ball Nose with Taper Neck upto 60HRC
	308	6-20	11	++	6	NOVA	Carbide 3X Series 6F Radius End Mills
GP-1X	201	2-25	12	Yes	4	TiALN	Carbide GP-1X Series 4F Flat End Mills
	202	3-20	13	Yes	4	TiALN	Carbide GP-1X Series 4F Ball Nose
	203	1-16	14	++	2	TiALN	Carbide GP-1X Series 2F Flat End Mills
	204	1-16	15	++	2	TiALN	Carbide GP-1X Series 2F Ball Nose
	205	2-16	16	Yes	4	HYPERLOX	Carbide TX Series 4F Flat End Mills upto 50HRc
	206	1-12	17	Yes	2	HYPERLOX	Carbide TX Series 2F Ball Nose upto 50HRc
	207	2-10	18	++	4	TiALN	Carbide 1X Series 4F Taper End Mills
	208	2-10	18	++	4	TiALN	Carbide 1X Series 2F Taper Ball Nose
	209	1-4	19	++	2	TiALN	Carbide 1X Series 2F Rib Processing Flat End Mills
	210	1-4	19	++	2	TiALN	Carbide 1X Series 2F Rib Processing Ball Nose
	211	4-16	20	+	2	-	Carbide 1X Series 2F High Helix End Mills
	213	4-16	20	+	3	-	Carbide 1X Series 3F High Helix End Mills
219	3-12	21	+	1	-	Carbide 1X Series Engraving Bit V-shape	
GP-0X	101	2-25	22	Yes	4	TiALN	Carbide GP-0X Series 4F Flat End Mills
	102	3-20	23	Yes	4	TiALN	Carbide GP-0X Series 4F Ball Nose
	103	1-12	24	Yes	2	-	Carbide GP-0X Series 2F Flat End Mills
	104	1-12	25	Yes	2	-	Carbide GP-0X Series 2F Ball Nose
	105	4-16	26	+	3	-	Carbide GP-0X Series 3F Flat End Mills
	107	3-16	27	+	1	-	Carbide GP-0X Series Single Flute End Mills
	108	1-4	28	+	2	-	Carbide GP-0X Series 2F Taper End Mills
	109	1-4	28	+	2	-	Carbide GP-0X Series 2F Taper Ball Nose
	110	3-20	29	Yes	4	TiALN	Carbide GP-0X 4F Flat End Mills upto 45HRc
	111	3-12	29	++	4	TiALN	Carbide GP-0X 4F Ball Nose upto 45HRc
	118	3-12	30	+	2	-	Carbide GP-0X Series 2-ST. Flute End Mills for HARD Wood
	119	3-12	21	+	1	-	Carbide 0X Series Engraving Bit V-shape

+	1 Week
++	2 Week



Series	222	Carbide 1X SUS Series 4F End Mills NOVA Coated			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR1AHSE00LH3	3	12	50	4	₹ 1,134
CR1AHSE00LJ8	4	16	50	6	₹ 1,377
222040075-N	4	20	75	6	₹ 1,722
CR1AHSE00MJ7	5	16	50	6	₹ 1,377
CR1AHSE00LK6	6	16	50	6	₹ 1,293
CR1AHSE00LL4	6	25	75	6	₹ 1,680
CR1AHSE00LM2	8	20	60	8	₹ 1,719
CR1AHSE00LN9	8	30	75	8	₹ 2,100
CR1AHSE00LP5	8	40	100	8	₹ 2,625
CR1AHSE00LQ3	10	30	75	10	₹ 2,742
CR1AHSE00LR1	10	40	100	10	₹ 3,435
CR1AHSE00LS8	12	30	75	12	₹ 3,405
CR1AHSE00LT6	12	40	100	12	₹ 4,356
CR1AHSE00LU4	14	40	100	14	₹ 5,928
CR1AHSE00LV2	16	50	100	16	₹ 7,476
222180100-N	18	50	100	18	₹ 9,489
CR1AHSE00LW0	20	50	100	20	₹ 11,007

Series	322	Carbide 3X SUS Series 4F End Mills NOVA Coated			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR3AHSE00LZ9	3	12	50	4	₹ 1,248
CR3AHSE00M00	4	16	50	6	₹ 1,578
322040075-N	4	20	75	6	₹ 1,959
CR3AHSE00MK1	5	16	50	6	₹ 1,578
CR3AHSE00M18	6	16	50	6	₹ 1,521
CR3AHSE00M26	6	25	75	6	₹ 1,881
CR3AHSE00M34	8	20	60	8	₹ 2,067
CR3AHSE00M42	8	30	75	8	₹ 2,319
CR3AHSE00M59	8	40	100	8	₹ 2,832
CR3AHSE00M67	10	30	75	10	₹ 3,177
CR3AHSE00M75	10	40	100	10	₹ 3,825
CR3AHSE00M83	12	30	75	12	₹ 4,185
CR3AHSE00MA3	12	40	100	12	₹ 5,085
CR3AHSE00MB1	14	40	100	14	₹ 6,864
CR3AHSE00MD6	16	40	100	16	₹ 8,298
322180100-N	18	40	100	18	₹ 10,374
CR3AHSE00ME4	20	50	100	20	₹ 12,402

Series	422	Carbide 4X SUS Series 4F End Mills NOVA Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
422040050-N	4	16	50	6	₹ 2,286
422050050-N	5	16	50	6	₹ 2,286
422060050-N	6	16	50	6	₹ 2,286
422060075-N	6	25	75	6	₹ 3,105
422080060-N	8	20	60	8	₹ 3,789
422080075-N	8	30	75	8	₹ 4,329
422080100-N	8	40	100	8	₹ 5,316
422100075-N	10	30	75	10	₹ 5,787
422100100-N	10	40	100	10	₹ 7,053
422120075-N	12	30	75	12	₹ 7,389
422120100-N	12	40	100	12	₹ 9,378



Series	221		Carbide 1X SUS Series 4F Radius End Mills NOVA Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-50
221030050R0.5-N	3	12	50	4	R0.5	₹ 1,248
221040050R0.5-N	4	16	50	6	R0.5	₹ 1,515
221040075R0.5-N	4	20	75	6	R0.5	₹ 1,896
221050050R0.5-N	5	16	50	6	R0.5	₹ 1,515
221060050R0.5-N	6	16	50	6	R0.5	₹ 1,425
221060075R0.5-N	6	25	75	6	R0.5	₹ 1,848
221080060R1.0-N	8	20	60	8	R1.0	₹ 1,893
221080075R1.0-N	8	30	75	8	R1.0	₹ 2,310
221080100R1.0-N	8	40	100	8	R1.0	₹ 2,889
221100075R1.0-N	10	30	75	10	R1.0	₹ 3,018
221100100R1.5-N	10	40	100	10	R1.5	₹ 3,780
221120075R1.5-N	12	30	75	12	R1.5	₹ 3,747
221120100R1.5-N	12	40	100	12	R1.5	₹ 4,794
221140100R2.0-N	14	40	100	14	R2.0	₹ 6,522
221160100R2.0-N	16	40	100	16	R2.0	₹ 8,226
221180100R2.0-N	18	40	100	18	R2.0	₹ 10,440
221200100R2.0-N	20	50	100	20	R2.0	₹ 12,108

Series	321		Carbide 3X SUS Series 4F Radius End Mills NOVA Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-50
321030050R0.5-N	3	12	50	4	R0.5	₹ 1,437
321040050R0.5-N	4	16	50	6	R0.5	₹ 1,737
321040075R0.5-N	4	20	75	6	R0.5	₹ 2,157
321050050R0.5-N	5	16	50	6	R0.5	₹ 1,737
321060050R0.5-N	6	16	50	6	R0.5	₹ 1,674
321060075R0.5-N	6	25	75	6	R0.5	₹ 2,070
321080060R1.0-N	8	20	60	8	R1.0	₹ 2,274
321080075R1.0-N	8	30	75	8	R1.0	₹ 2,553
321080100R1.0-N	8	40	100	8	R1.0	₹ 3,117
321100075R1.0-N	10	30	75	10	R1.0	₹ 3,495
321100100R1.5-N	10	40	100	10	R1.5	₹ 4,209
321120075R1.5-N	12	30	75	12	R1.5	₹ 4,605
321120100R1.5-N	12	40	100	12	R1.5	₹ 5,595
321140100R2.0-N	14	40	100	14	R2.0	₹ 7,551
321160100R2.0-N	16	40	100	16	R2.0	₹ 9,129
321180100R2.0-N	18	40	100	18	R2.0	₹ 11,412
321200100R2.0-N	20	50	100	20	R2.0	₹ 13,644

Series	325		Carbide 3X SUS Series 4F End Mills AL-Pro Coated		
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
325040050-N	4	16	50	6	₹ 1,707
325040075-N	4	20	75	6	₹ 2,118
325060050-N	6	16	50	6	₹ 1,644
325060075-N	6	25	75	6	₹ 2,034
325080060-N	8	20	60	8	₹ 2,235
325080075-N	8	30	75	8	₹ 2,505
325080100-N	8	40	100	8	₹ 3,060
325100075-N	10	30	75	10	₹ 3,432
325100100-N	10	40	100	10	₹ 4,131
325120075-N	12	30	75	12	₹ 4,521
325120100-N	12	40	100	12	₹ 5,493
325140100-N	14	40	100	14	₹ 7,416
325160100-N	16	40	100	16	₹ 8,964
325180100-N	18	40	100	18	₹ 11,205
325200100-N	20	50	100	20	₹ 13,395



Series	224		Carbide 1X SSM Series 4F End Mills NOVA Coated		
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
224030050-N	3	12	50	4	₹ 1,170
224040050-N	4	16	50	6	₹ 1,419
224040075-N	4	20	75	6	₹ 1,776
224050050-N	5	16	50	6	₹ 1,419
224060050-N	6	16	50	6	₹ 1,332
224060075-N	6	25	75	6	₹ 1,731
224080060-N	8	20	60	8	₹ 1,773
224080075-N	8	30	75	8	₹ 2,163
224080100-N	8	40	100	8	₹ 2,706
224100075-N	10	30	75	10	₹ 2,826
224100100-N	10	40	100	10	₹ 3,540
224120075-N	12	30	75	12	₹ 3,510
224120100-N	12	40	100	12	₹ 4,488
224140100-N	14	40	100	14	₹ 6,108
224160100-N	16	40	100	16	₹ 7,701
224180100-N	18	40	100	18	₹ 9,774
224200100-N	20	50	100	20	₹ 11,340

Series	324		Carbide 3X SSM Series 4F End Mills NOVA Coated		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
324030050-N	3	12	50	4	₹ 1,287
324040050-N	4	16	50	6	₹ 1,626
324040075-N	4	20	75	6	₹ 2,019
324050050-N	5	16	50	6	₹ 1,626
324060050-N	6	16	50	6	₹ 1,569
324060075-N	6	25	75	6	₹ 1,938
324080060-N	8	20	60	8	₹ 2,130
324080075-N	8	30	75	8	₹ 2,391
324080100-N	8	40	100	8	₹ 2,919
324100075-N	10	30	75	10	₹ 3,273
324100100-N	10	40	100	10	₹ 3,942
324120075-N	12	30	75	12	₹ 4,311
324120100-N	12	40	100	12	₹ 5,238
324140100-N	14	40	100	14	₹ 7,071
324160100-N	16	50	100	16	₹ 8,547
324180100-N	18	50	100	18	₹ 10,686
324200100-N	20	50	100	20	₹ 12,777



Series	401	Carbide 4X Series 4F Flat End Mills upto 70HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR49HSE00JT0	2	6	50	4	₹ 1,536
CR49HSE00JU8	3	12	50	4	₹ 1,536
CR49HSE00JV6	4	12	50	4	₹ 1,536
CR49HSE00JW4	4	20	75	4	₹ 1,860
CR49HSE00JX1	6	16	50	6	₹ 2,022
CR49HSE00JY9	6	25	75	6	₹ 2,745
401080060-L	8	20	60	8	₹ 3,396
CR49HSE00JZ7	8	25	75	8	₹ 3,876
CR49HSE00K08	8	30	100	8	₹ 4,842
CR49HSE00K16	10	25	75	10	₹ 5,247
CR49HSE00K24	10	40	100	10	₹ 6,459
CR49HSE00K32	12	25	75	12	₹ 6,861
CR49HSE00K40	12	40	100	12	₹ 8,877

Series	402	Carbide 4X Series 2F Ball Nose upto 70HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR49HBE00DC1	1	4	50	4	₹ 1,764
CR49HBE00DD8	2	6	50	4	₹ 1,764
CR49HBE00DE6	3	12	50	4	₹ 1,764
CR49HBE00DF4	4	12	50	4	₹ 1,764
CR49HBE00DG2	4	20	75	4	₹ 2,142
CR49HBE00DH0	6	16	50	6	₹ 2,310
CR49HBE00DJ5	6	25	75	6	₹ 3,150
CR49HBE00DK3	8	25	75	8	₹ 4,452
CR49HBE00DL1	8	30	100	8	₹ 5,541
CR49HBE00DM9	10	25	75	10	₹ 6,000
CR49HBE00DN6	10	40	100	10	₹ 7,386
CR49HBE00DP2	12	25	75	12	₹ 7,848
CR49HBE00DQ0	12	40	100	12	₹ 10,071

Series	403	Carbide 4X Series 2F Flat End Mills upto 70HRC			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
403010050-L	1	4	50	4	₹ 1,536
403020050-L	2	6	50	4	₹ 1,536
403030050-L	3	12	50	4	₹ 1,536
403040050-L	4	12	50	4	₹ 1,536
403060050-L	6	16	50	6	₹ 2,022
403080075-L	8	25	75	8	₹ 3,876
403100075-L	10	25	75	10	₹ 5,247
403120075-L	12	25	75	12	₹ 6,861



Series	406	Carbide 4X Series 2F Ball Nose with Taper Neck upto 70HRC					
Ordering Code	R	Flute Diameter (D1)	Reach Length (L3)	Overall Length (L4)	Shank Diameter (D2)	Neck Taper Angle	PL-50
406020601-L	1	2	23	60	6	1°30'	₹ 2,616
406020605-L	1	2	23	60	6	5°	₹ 2,616
406020803-L	1	2	41	80	6	3°	₹ 2,925
406030753-L	1.5	3	32	75	6	3°	₹ 2,925
406030901-L	1.5	3	52	90	6	1°30'	₹ 4,002
406040753-L	2	4.0	28	75	6	3°	₹ 2,847
406040901-L	2	4.0	49	90	6	1°30'	₹ 3,387
406050803-L	2.5	5.0	41	80	8	3°	₹ 4,116
406051001-L	2.5	5.0	61	100	8	1°30'	₹ 5,232
406060803-L	3	6	34	80	8	3°	₹ 4,308
406061001-L	3	6	53	100	8	1°30'	₹ 5,616
406080803-L	4	8	36	80	10	3°	₹ 5,808
406081001-L	4	8	55	100	10	1°30'	₹ 7,770
406100803-L	5	10	40	80	12	3°	₹ 7,464
406101001-L	5	10	59	100	12	1°30'	₹ 10,002
406121103-L	6	12	63	110	16	3°	₹ 18,462
406121301-L	6	12	83	130	16	1°30'	₹ 23,079

Series	407	Carbide SUPER-CUT END MILLS (High Feed Cutter)					
Ordering Code	R	Flute Diameter (D1)	Flute Length (L1)	Reach Length (L3)	Overall Length (L2)	Shank Diameter (D2)	PL-50
40706060R0.5-L	R0.5	6	3	12	60	6	₹ 4,725
40706060R1.0-L	R1.0	6	3	12	60	6	₹ 4,725
40708075R1.0-L	R1.0	8	4	16	75	8	₹ 6,774
40708100R1.0-L	R1.0	8	4	16	100	8	₹ 7,914
40708075R2.0-L	R2.0	8	4	16	75	8	₹ 6,774
40708100R2.0-L	R2.0	8	4	16	100	8	₹ 7,914
40710075R1.0-L	R1.0	10	5	20	75	10	₹ 8,427
40710100R1.0-L	R1.0	10	5	20	100	10	₹ 10,239
40710075R2.0-L	R2.0	10	5	20	75	10	₹ 8,427
40710100R2.0-L	R2.0	10	5	20	100	10	₹ 10,239
40712075R2.0-L	R2.0	12	6	25	75	12	₹ 10,395
40712100R2.0-L	R2.0	12	6	25	100	12	₹ 12,756
40712075R3.0-L	R3.0	12	6	25	75	12	₹ 10,395
40712100R3.0-L	R3.0	12	6	25	100	12	₹ 12,756



Series	301		Carbide 3X Series 4F End Mills upto 60HRC		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR33HSE00BV2	2	4	38	3	₹ 840
CR33HSE00BW0	2	4	50	3	₹ 1,011
CR33HSE00BY5	2.5	5	50	3	₹ 1,011
CR33HSE00HA2	2.5	12	38	3	₹ 840
CR33HSE00H82	3	12	38	3	₹ 729
CR33HSE003A3	3	15	50	3	₹ 930
CR33HSE003C9	3	20	75	3	₹ 1,131
CR33HSE00FY1	3	25	100	3	₹ 1,494
CR33HSE003D6	4	14	50	4	₹ 1,050
CR33HSE003F2	4	20	75	4	₹ 1,212
CR33HSE00FN5	4	25	100	4	₹ 1,494
CR33HSE00HV6	4	50	150	4	₹ 2,664
CR33HSE003G0	5	16	50	5	₹ 1,293
CR33HSE003H8	5	20	75	5	₹ 1,494
CR33HSE00HH7	5	25	100	5	₹ 1,779
CR33HSE003J3	6	16	50	6	₹ 1,332
CR33HSE003K1	6	25	75	6	₹ 1,575
CR33HSE003L9	6	30	100	6	₹ 2,022
CR33HSE00FP1	6	50	150	6	₹ 2,745
CR33HSE003M7	8	20	60	8	₹ 1,974
CR33HSE003N4	8	25	75	8	₹ 2,361
CR33HSE00G59	8	30	100	8	₹ 2,667
CR33HSE003P0	8	50	150	8	₹ 3,825
CR33HSE003R6	10	25	75	10	₹ 2,940
CR33HSE003S3	10	40	100	10	₹ 3,528
CR33HSE003T1	10	60	150	10	₹ 5,541
CR33HSE00CP4	12	25	75	12	₹ 3,864
CR33HSE003U9	12	40	100	12	₹ 4,701
CR33HSE003V7	12	60	150	12	₹ 7,386
CR33HSE00L54	14	40	100	14	₹ 5,793
CR33HSE003X2	16	40	100	16	₹ 7,470
CR33HSE00HT0	16	60	150	16	₹ 11,541
CR33HSE00L47	20	40	100	20	₹ 12,588



Series	302	Carbide 3X Series 4F Ball Nose upto 60HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR33HBE00364	3	12	50	3	₹ 1,128
CR33HBE00AM0	3	20	75	3	₹ 1,323
CR33HBE00BV9	4	14	50	4	₹ 1,245
CR33HBE00AN7	4	20	75	4	₹ 1,401
CR33HBE00AY3	4	25	100	4	₹ 1,791
CR33HBE00C50	5	16	50	5	₹ 1,440
CR33HBE00BU1	5	20	75	5	₹ 1,674
CR33HBE00DX2	5	25	100	5	₹ 1,983
CR33HBE00BW7	6	16	50	6	₹ 1,479
CR33HBE00372	6	25	75	6	₹ 1,749
CR33HBE00BB3	6	30	100	6	₹ 2,256
CR33HBE00CA4	6	50	150	6	₹ 3,189
CR33HBE00C92	8	20	60	8	₹ 2,217
CR33HBE00380	8	25	75	8	₹ 2,487
CR33HBE00B36	8	30	100	8	₹ 2,940
CR33HBE00C84	8	50	150	8	₹ 4,110
CR33HBE00BY2	10	25	75	10	₹ 3,444
CR33HBE00398	10	40	100	10	₹ 4,284
CR33HBE00B44	10	60	150	10	₹ 6,294
CR33HBE00AH1	12	25	75	12	₹ 4,533
CR33HBE00CB2	12	40	100	12	₹ 5,457
CR33HBE00CC0	12	60	150	12	₹ 8,085
CR33HBE003A0	16	40	100	16	₹ 8,226



Series	303 Carbide 3X Series 2F End Mills upto 60HRC				
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR33HSE00AW1	1	3	50	3	₹ 1,050
CR33HSE00AX8	1	3	50	4	₹ 1,155
CR33HSE00AZ4	1.5	3	50	3	₹ 1,050
CR33HSE00AX8	1.5	3	50	4	₹ 1,155
CR33HSE00B21	2	4	50	3	₹ 1,011
CR33HSE00B47	2.5	5	50	3	₹ 1,011
CR33HSE00LF7	3	15	50	3	₹ 930
CR33HSE00LG5	3	20	75	3	₹ 1,131
CR33HSE00B96	4	14	50	4	₹ 1,050
CR33HSE00BA8	4	20	75	4	₹ 1,212
CR33HSE00BB6	4	25	100	4	₹ 1,494
CR33HSE00BC4	5	16	50	5	₹ 1,293
CR33HSE00BD1	5	20	75	5	₹ 1,494
CR33HSE00BE9	5	25	100	5	₹ 1,779
CR33HSE00HS2	6	16	50	6	₹ 1,332
CR33HSE00BG5	6	25	75	6	₹ 1,575
CR33HSE00HU8	6	30	100	6	₹ 2,022
CR33HSE00BJ8	6	50	150	6	₹ 2,745
CR33HSE00HR5	8	20	60	8	₹ 1,974
CR33HSE00BL4	8	25	75	8	₹ 2,361
CR33HSE00BM2	8	30	100	8	₹ 2,667
CR33HSE00BN9	8	50	150	8	₹ 3,825
CR33HSE00HQ7	10	25	75	10	₹ 2,940
CR33HSE00BQ3	10	40	100	10	₹ 3,528
CR33HSE00BR1	10	60	150	10	₹ 5,541
CR33HSE00BS8	12	25	75	12	₹ 3,864
CR33HSE00BT6	12	40	100	12	₹ 4,701
CR33HSE00BU4	12	60	150	12	₹ 7,386

Series	304 Carbide 3X Series 2F Ball Nose upto 60HRC				
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR33HBE008Q0	1	3	50	3	₹ 1,200
CR33HBE008R8	1	3	50	4	₹ 1,344
CR33HBE008T3	1.5	3	50	3	₹ 1,200
303015050-A	1.5	3	50	4	₹ 1,344
CR33HBE008W7	2	4	50	3	₹ 1,164
CR33HBE008Z0	2.5	5	50	3	₹ 1,164
CR33HBE00BR8	3	15	50	3	₹ 1,128
CR33HBE00AT4	3	20	75	3	₹ 1,323
CR33HBE00B51	3	25	100	3	₹ 1,791
CR33HBE00315	4	14	50	4	₹ 1,245
CR33HBE00AU2	4	20	75	4	₹ 1,401
CR33HBE00B69	4	25	100	4	₹ 1,791
CR33HBE00E09	5	16	50	5	₹ 1,440
CR33HBE00C43	5	20	75	5	₹ 1,674
CR33HBE00B93	6	16	50	6	₹ 1,479
CR33HBE00323	6	25	75	6	₹ 1,749
CR33HBE00331	6	30	100	6	₹ 2,256
CR33HBE00BX4	6	50	150	6	₹ 3,189
CR33HBE00BA5	8	20	60	8	₹ 2,217
CR33HBE00BH0	8	25	75	8	₹ 2,487
CR33HBE00B85	8	30	100	8	₹ 2,940
CR33HBE00349	8	50	150	8	₹ 4,110
CR33HBE00356	10	25	75	10	₹ 3,444
CR33HBE00B77	10	40	100	10	₹ 4,284
CR33HBE009M8	10	60	150	10	₹ 6,294
CR33HBE009N5	12	25	75	12	₹ 4,533
CR33HBE00BP2	12	40	100	12	₹ 5,457
CR33HBE009Q9	12	60	150	12	₹ 8,085



Series	305	Carbide 3X Series 2F Rib Processing End Mills upto 60HRC				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L3)	Shank Diameter (D2)	Reach Length (L2)	PL-50
30501006-N	1	2	50	4	6	₹ 1,209
30501010-N	1	2	50	4	10	₹ 1,224
30501506-N	1.5	2	50	4	6	₹ 1,209
30501510-N	1.5	2	50	4	10	₹ 1,224
30502008-N	2	3	50	4	8	₹ 1,209
30502012-N	2	3	50	4	12	₹ 1,224
30502016-N	2	3	50	4	16	₹ 1,281
30502020-N	2	3	50	4	20	₹ 1,281
30502508-N	2.5	4	50	4	8	₹ 1,209
30502512-N	2.5	4	50	4	12	₹ 1,224
30502516-N	2.5	4	50	4	16	₹ 1,281
30502520-N	2.5	4	50	4	20	₹ 1,281
30503008-N	3	5	50	6	8	₹ 1,569
30503012-N	3	5	50	6	12	₹ 1,560
30503016-N	3	5	60	6	16	₹ 1,746
30503020-N	3	5	60	6	20	₹ 1,746
30503025-N	3	5	75	6	25	₹ 1,920
30504012-N	4	6	50	6	12	₹ 1,569
30504016-N	4	6	60	6	16	₹ 1,752
30504020-N	4	6	75	6	20	₹ 1,944
30504025-N	4	6	75	6	25	₹ 1,866
30504030-N	4	6	75	6	30	₹ 1,920
30504035-N	4	6	75	6	35	₹ 1,986

Series	306	Carbide 3X Series 2F Rib Processing Ball Nose upto 60HRC				
Ordering Code	R	Flute Diameter (D1)	Overall Length (L3)	Shank Diameter (D2)	Reach Length (L2)	PL-50
30601006-N	0.5	1	50	4	6	₹ 1,401
30601010-N	0.5	1	50	4	10	₹ 1,464
30601506-N	0.75	1.5	50	4	6	₹ 1,401
30601510-N	0.75	1.5	50	4	10	₹ 1,464
30602008-N	1	2	50	4	8	₹ 1,401
30602012-N	1	2	50	4	12	₹ 1,464
30602016-N	1	2	50	4	16	₹ 1,521
30602020-N	1	2	50	4	20	₹ 1,521
30602508-N	1.25	2.5	50	4	8	₹ 1,401
30602512-N	1.25	2.5	50	4	12	₹ 1,464
30602516-N	1.25	2.5	50	4	16	₹ 1,521
30602520-N	1.25	2.5	50	4	20	₹ 1,521
30603008-N	1.5	3	50	6	8	₹ 1,704
30603012-N	1.5	3	50	6	12	₹ 1,761
30603016-N	1.5	3	60	6	16	₹ 1,986
30603020-N	1.5	3	60	6	20	₹ 1,986
30603025-N	1.5	3	75	6	25	₹ 2,160
30604012-N	2	4	50	6	12	₹ 1,704
30604016-N	2	4	60	6	16	₹ 1,920
30604020-N	2	4	75	6	20	₹ 2,106
30604025-N	2	4	75	6	25	₹ 2,106
30604030-N	2	4	75	6	30	₹ 2,160
30604035-N	2	4	75	6	35	₹ 2,226



Series	307	Carbide 3X Series 2F Ball Nose with Taper Neck upto 60HRC					
Ordering Code	R	Flute Diameter (D1)	Reach Length (L3)	Overall Length (L4)	Shank Diameter (D2)	Neck Taper Angle	PL-50
3070200601-N	1	2	23	60	6	1°30'	₹ 1,821
3070200605-N	1	2	23	60	6	5°	₹ 1,821
3070200803-N	1	2	41	80	6	3°	₹ 2,034
3070300753-N	1.5	3	32	75	6	3°	₹ 2,034
3070300901-N	1.5	3	52	90	6	1°30'	₹ 2,907
3070400753-N	2	4	28	75	6	3°	₹ 1,914
3070400901-N	2	4	49	90	6	1°30'	₹ 2,160
3070500803-N	2.5	5	41	80	8	3°	₹ 2,805
3070501001-N	2.5	5	61	100	8	1°30'	₹ 3,294
3070600803-N	3	6	34	80	8	3°	₹ 2,907
3070601001-N	3	6	53	100	8	1°30'	₹ 3,450
3070800803-N	4	8	36	80	10	3°	₹ 3,609
3070801001-N	4	8	55	100	10	1°30'	₹ 4,869
3071000803-N	5	10	40	80	12	3°	₹ 4,506
3071001001-N	5	10	59	100	12	1°30'	₹ 6,168
3071201103-N	6	12	63	110	16	3°	₹ 9,813
3071201301-N	6	12	83	130	16	1°30'	₹ 13,056

Series	308	Carbide 3X Series 6F Radius End Mills				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-50
308060075R0.5-N	6	25	75	6	R0.5	₹ 1,869
308060075R1.0-N	6	25	75	6	R1.0	₹ 1,869
308080075R0.5-N	8	25	75	8	R0.5	₹ 2,436
308080075R1.0-N	8	25	75	8	R1.0	₹ 2,436
308080075R1.5-N	8	25	75	8	R1.5	₹ 2,436
308100075R0.5-N	10	30	75	10	R0.5	₹ 3,567
308100075R1.0-N	10	30	75	10	R1.0	₹ 3,567
308100075R1.5-N	10	30	75	10	R1.5	₹ 3,567
308120075R1.0-N	12	30	75	12	R1.0	₹ 4,134
308120075R1.5-N	12	30	75	12	R1.5	₹ 4,134
308120075R2.0-N	12	30	75	12	R2.0	₹ 4,134
308160100R1.0-N	16	40	100	16	R1.0	₹ 8,922
308160100R2.0-N	16	40	100	16	R2.0	₹ 8,922
308160100R3.0-N	16	40	100	16	R3.0	₹ 8,922
308180100R1.0-N	18	40	100	18	R1.0	₹ 13,545
308180100R2.0-N	18	40	100	18	R2.0	₹ 13,545
308180100R3.0-N	18	40	100	18	R3.0	₹ 13,545
308200100R1.0-N	20	40	100	20	R1.0	₹ 13,953
308200100R2.0-N	20	40	100	20	R2.0	₹ 13,953
308200100R3.0-N	20	40	100	20	R3.0	₹ 13,953



Series	201		Carbide GP-1X Series 4F Flat End Mills		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR11GSE00944	2	9	38	3	₹ 516
CR11GSE00969	2.5	12	38	3	₹ 516
CR11GSE00993	3	12	38	3	₹ 489
CR11GSE009A5	3	15	50	3	₹ 606
CR11GSE009B3	3	20	75	3	₹ 1,008
CR11GSE009C1	3	25	100	3	₹ 1,260
CR11GSE009E6	4	14	50	4	₹ 633
CR11GSE009G2	4	20	75	4	₹ 1,092
CR11GSE009H0	4	25	100	4	₹ 1,302
CR11GSE009J5	5	16	50	5	₹ 858
CR11GSE009K3	5	20	75	5	₹ 1,176
CR11GSE009L1	5	25	100	5	₹ 1,428
CR11GSE009Q0	6	16	50	6	₹ 924
CR11GSE009R8	6	25	75	6	₹ 1,302
CR11GSE009S5	6	30	100	6	₹ 1,512
CR11GSE009T3	6	50	150	6	₹ 2,436
CR11GSE009X4	7	20	60	7	₹ 1,371
CR11GSE00A04	8	20	60	8	₹ 1,281
CR11GSE00A12	8	25	75	8	₹ 1,644
CR11GSE00A20	8	30	100	8	₹ 2,193
CR11GSE00A38	8	50	150	8	₹ 3,195
CR11GSE00A46	9	25	75	9	₹ 2,376
CR11GSE00A79	10	25	75	10	₹ 2,283
CR11GSE00A87	10	40	100	10	₹ 2,862
CR11GSE00A95	10	60	150	10	₹ 4,290
CR11GSE00AA7	12	25	75	12	₹ 2,862
CR11GSE00AB5	12	40	100	12	₹ 3,816
CR11GSE00AC3	12	60	150	12	₹ 5,820
CR11GSE00AD0	12	60	200	12	₹ 8,877
CR11GSE00332	14	30	75	14	₹ 4,155
CR11GSE00AF6	14	40	100	14	₹ 4,869
CR11GSE00AG4	14	60	150	14	₹ 7,554
CR11GSE00AH2	14	60	200	14	₹ 10,071
CR11GSE00HW2	16	30	75	16	₹ 4,701
CR11GSE00AJ7	16	40	100	16	₹ 5,877
CR11GSE00AK5	16	60	150	16	₹ 9,063
CR11GSE00AL3	16	60	200	16	₹ 12,252
CR11GSE00AM1	18	40	100	18	₹ 8,070
CR11GSE00AN8	18	60	150	18	₹ 11,658
CR11GSE00AP4	18	60	200	18	₹ 16,320
CR11GSE00AQ2	20	40	100	20	₹ 9,615
CR11GSE00AR0	20	60	150	20	₹ 14,187
CR11GSE00AS7	20	60	200	20	₹ 20,208
201220100-F	22	40	100	22	₹ 11,748
201220150-F	22	60	150	22	₹ 17,787
CR11GSE00AT5	25	40	100	25	₹ 14,268
CR11GSE00AU3	25	60	150	25	₹ 21,399
CR11GSE00AV1	25	60	200	25	₹ 30,210



Series	202	Carbide GP-1X Series 4F Ball Nose			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR11GBE007F3	2.5	12	38	3	₹ 579
CR11GBE007G1	3	12	38	3	₹ 567
CR11GBE007H9	3	15	50	3	₹ 747
CR11GBE007J4	3	20	75	3	₹ 1,242
CR11GBE007K2	3	25	100	3	₹ 1,407
CR11GBE007L0	4	14	50	4	₹ 747
CR11GBE007M8	4	20	75	4	₹ 1,323
CR11GBE007N5	4	25	100	4	₹ 1,446
CR11GBE007P1	5	16	50	5	₹ 993
CR11GBE007Q9	5	20	75	5	₹ 1,365
CR11GBE007R7	5	25	100	5	₹ 1,530
CR11GBE007S4	6	16	50	6	₹ 993
CR11GBE007T2	6	25	75	6	₹ 1,530
CR11GBE007U0	6	30	100	6	₹ 1,656
CR11GBE007V8	6	50	150	6	₹ 2,892
CR11GBE007W6	7	20	60	7	₹ 1,491
CR11GBE007X3	8	20	60	8	₹ 1,389
CR11GBE007Y1	8	25	75	8	₹ 1,788
CR11GBE007Z9	8	30	100	8	₹ 2,313
CR11GBE00800	8	50	150	8	₹ 3,141
CR11GBE00818	9	25	75	9	₹ 2,562
CR11GBE00826	10	25	75	10	₹ 2,397
CR11GBE00834	10	40	100	10	₹ 2,976
CR11GBE00842	10	60	150	10	₹ 4,461
CR11GBE00859	12	25	75	12	₹ 2,976
CR11GBE00867	12	40	100	12	₹ 3,969
CR11GBE00875	12	60	150	12	₹ 5,700
CR11GBE00883	12	60	200	12	₹ 8,394
CR11GBE00C17	14	30	75	14	₹ 4,521
CR11GBE00891	14	40	100	14	₹ 5,328
CR11GBE008A3	14	60	150	14	₹ 8,475
CR11GBE008B1	14	60	200	14	₹ 11,103
CR11GBE00C74	16	30	75	16	₹ 5,205
CR11GBE008C9	16	40	100	16	₹ 6,198
CR11GBE008D6	16	60	150	16	₹ 9,831
CR11GBE008E4	16	60	200	16	₹ 13,218
CR11GBE008F2	18	40	100	18	₹ 8,394
CR11GBE008G0	18	60	150	18	₹ 12,588
CR11GBE008H8	18	60	200	18	₹ 16,785
CR11GBE008J3	20	40	100	20	₹ 9,957
CR11GBE008K1	20	60	150	20	₹ 14,931
CR11GBE008L9	20	60	200	20	₹ 19,908
CR11GBE008M7	25	40	100	25	₹ 15,090
CR11GBE008N4	25	60	150	25	₹ 22,593
CR11GBE008P0	25	60	200	25	₹ 31,953



Series	203		Carbide GP-1X Series 2F Flat End Mills		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR11GSE006G5	1.0	4	38	3	₹ 540
CR11GSE006H3	1.5	6	38	3	₹ 540
CR11GSE006J8	2.0	9	38	3	₹ 516
CR11GSE006K6	2.5	12	38	3	₹ 516
CR11GSE006L4	2.5	13	50	3	₹ 606
CR11GSE006M2	3.0	12	38	3	₹ 489
CR11GSE006N9	3.0	15	50	3	₹ 606
CR11GSE006P5	3.0	20	75	3	₹ 1,008
CR11GSE006Q3	3.0	25	100	3	₹ 1,260
CR11GSE006R1	4.0	14	50	4	₹ 633
CR11GSE006S8	4.0	20	75	4	₹ 1,092
CR11GSE006T6	4.0	25	100	4	₹ 1,302
CR11GSE006U4	5.0	16	50	5	₹ 858
CR11GSE006V2	5.0	20	75	5	₹ 1,176
CR11GSE006W0	5.0	25	100	5	₹ 1,428
CR11GSE006X7	6.0	16	50	6	₹ 924
CR11GSE006Y5	6.0	25	75	6	₹ 1,302
CR11GSE006Z3	6.0	30	100	6	₹ 1,512
CR11GSE00704	6.0	50	150	6	₹ 2,436
CR11GSE00712	7.0	20	60	7	₹ 1,371
CR11GSE00720	8.0	20	60	8	₹ 1,281
CR11GSE00738	8.0	25	75	8	₹ 1,644
CR11GSE00753	8.0	30	100	8	₹ 2,193
CR11GSE00761	8.0	50	150	8	₹ 3,195
CR11GSE00795	9.0	25	75	9	₹ 2,376
CR11GSE007B5	10.0	25	75	10	₹ 2,283
CR11GSE007C3	10.0	40	100	10	₹ 2,862
CR11GSE007D0	10.0	60	150	10	₹ 4,290
CR11GSE007E8	12.0	25	75	12	₹ 2,862
CR11GSE007F6	12.0	40	100	12	₹ 3,816
CR11GSE007G4	12.0	60	150	12	₹ 5,820
CR11GSE007H2	12.0	60	200	12	₹ 8,877
CR11GSE007J7	14.0	40	100	14	₹ 4,869
CR11GSE007K5	14.0	60	150	14	₹ 7,554
CR11GSE007L3	14.0	60	200	14	₹ 10,071
CR11GSE007M1	16.0	40	100	16	₹ 5,877
CR11GSE007N8	16.0	60	150	16	₹ 9,063
CR11GSE007P4	16.0	60	200	16	₹ 12,252
CR11GSE007Q2	18.0	40	100	18	₹ 8,070
CR11GSE007R0	18.0	60	150	18	₹ 11,658
CR11GSE007S7	18.0	60	200	18	₹ 16,320
CR11GSE007T5	20.0	40	100	20	₹ 9,615
CR11GSE007U3	20.0	60	150	20	₹ 14,187
CR11GSE007V1	20.0	60	200	20	₹ 20,208
CR11GSE007W9	25.0	40	100	25	₹ 14,268
CR11GSE007X6	25.0	60	150	25	₹ 21,399
CR11GSE007Y4	25.0	60	200	25	₹ 30,210



Series	204		Carbide GP-1X Series 2F Ball Nose		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR11GBE004Y4	1	4	38	3	₹ 609
CR11GBE004Z2	1.5	6	38	3	₹ 609
CR11GBE00503	2	9	38	3	₹ 609
CR11GBE00511	2.5	12	38	3	₹ 609
CR11GBE00529	3	12	38	3	₹ 567
CR11GBE00537	3	15	50	3	₹ 747
CR11GBE00545	3	20	75	3	₹ 1,242
CR11GBE00552	3	25	100	3	₹ 1,407
CR11GBE00560	4	14	50	4	₹ 747
CR11GBE00578	4	20	75	4	₹ 1,323
CR11GBE00586	4	25	100	4	₹ 1,446
CR11GBE00594	5	16	50	5	₹ 993
CR11GBE005A6	5	20	75	5	₹ 1,365
CR11GBE005B4	5	25	100	5	₹ 1,530
CR11GBE005C2	6	16	50	6	₹ 993
CR11GBE005D9	6	25	75	6	₹ 1,530
CR11GBE005E7	6	30	100	6	₹ 1,656
CR11GBE005G3	6	50	150	6	₹ 2,892
CR11GBE005H1	7	20	60	7	₹ 1,491
CR11GBE005J6	8	20	60	8	₹ 1,389
CR11GBE005K4	8	25	75	8	₹ 1,788
CR11GBE005L2	8	30	100	8	₹ 2,313
CR11GBE005M0	8	50	150	8	₹ 3,141
CR11GBE005N7	9	25	75	9	₹ 2,562
CR11GBE005P3	10	25	75	10	₹ 2,397
CR11GBE005Q1	10	40	100	10	₹ 2,976
CR11GBE005R9	10	60	150	10	₹ 4,461
CR11GBE005S6	12	25	75	12	₹ 2,976
CR11GBE005T4	12	40	100	12	₹ 3,969
CR11GBE005U2	12	60	150	12	₹ 5,700
CR11GBE005V0	12	60	200	12	₹ 8,394
CR11GBE005W8	14	40	100	14	₹ 5,328
CR11GBE005X5	14	60	150	14	₹ 8,475
CR11GBE005Y3	14	60	200	14	₹ 11,103
CR11GBE005Z1	16	40	100	16	₹ 6,198
CR11GBE00602	16	60	150	16	₹ 9,831
CR11GBE00610	16	60	200	16	₹ 13,218
CR11GBE00628	18	40	100	18	₹ 8,394
CR11GBE00636	18	60	150	18	₹ 12,588
CR11GBE00644	18	60	200	18	₹ 16,785
CR11GBE00651	20	40	100	20	₹ 9,957
CR11GBE00669	20	60	150	20	₹ 14,931
CR11GBE00677	20	60	200	20	₹ 19,908
CR11GBE00685	25	40	100	25	₹ 15,090
CR11GBE00693	25	60	150	25	₹ 22,593
CR11GBE006A5	25	60	200	25	₹ 31,953



Series	205	Carbide TX Series 4F Flat End Mills upto 50HRc			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR16GSE00HX4	2	6	50	4	₹ 771
CR16GSE00HY2	2.5	8	50	4	₹ 771
CR16GSE00HZ0	3	12	50	3	₹ 714
CR16GSE00J00	3	20	75	3	₹ 975
CR16GSE00J18	3	25	100	3	₹ 1,239
CR16GSE00J26	4	14	50	4	₹ 702
CR16GSE00J34	4	20	75	4	₹ 1,089
CR16GSE00J42	4	25	100	4	₹ 1,284
CR16GSE00J59	5	16	50	5	₹ 990
CR16GSE00J67	5	20	75	5	₹ 1,308
CR16GSE00J75	5	25	100	5	₹ 1,518
CR16GSE00J83	6	16	50	6	₹ 990
CR16GSE00J91	6	25	75	6	₹ 1,449
CR16GSE00JA3	6	30	100	6	₹ 1,611
CR16GSE00JB1	6	50	150	6	₹ 2,487
CR16GSE00JC9	8	20	60	8	₹ 1,461
CR16GSE00JD6	8	30	100	8	₹ 2,463
CR16GSE00JE4	8	50	150	8	₹ 3,234
CR16GSE00JF2	10	25	75	10	₹ 2,463
CR16GSE00JG0	10	40	100	10	₹ 3,102
CR16GSE00JH8	10	50	150	10	₹ 4,368
CR16GSE00JJ3	12	25	75	12	₹ 3,102
CR16GSE00JK1	12	40	100	12	₹ 4,017
CR16GSE00JL9	12	50	150	12	₹ 5,685
CR16GSE00JM7	16	40	100	16	₹ 6,216
CR16GSE00JN4	16	50	150	16	₹ 9,327
CR16GSE00JP0	20	40	100	20	₹ 9,927



Series	206	Carbide TX Series 2F Ball Nose upto 50HRc			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CR16GBE00CJ7	1	3	50	4	₹ 891
CR16GBE00CK5	1.5	4	50	4	₹ 891
CR16GBE00CL3	2	6	50	4	₹ 891
CR16GBE00CM1	2.5	8	50	4	₹ 891
CR16GBE00CN8	3	12	50	3	₹ 825
CR16GBE00CP4	3	20	75	3	₹ 1,125
CR16GBE00CQ2	3	25	100	3	₹ 1,389
CR16GBE00CR0	4	16	50	4	₹ 852
CR16GBE00CS7	4	20	75	4	₹ 1,293
CR16GBE00CT5	4	25	100	4	₹ 1,536
CR16GBE00CU3	5	16	50	5	₹ 1,089
CR16GBE00CV1	5	20	75	5	₹ 1,509
CR16GBE00CW9	5	25	100	5	₹ 1,635
CR16GBE00CX6	6	16	50	6	₹ 1,131
CR16GBE00CY4	6	25	75	6	₹ 1,602
CR16GBE00CZ2	6	30	100	6	₹ 1,860
CR16GBE00D03	6	40	150	6	₹ 2,775
CR16GBE00D11	8	20	60	8	₹ 1,542
CR16GBE00D29	8	30	100	8	₹ 2,625
CR16GBE00D37	8	50	150	8	₹ 3,717
CR16GBE00D45	10	25	75	10	₹ 2,520
CR16GBE00D52	10	40	100	10	₹ 3,150
CR16GBE00D60	10	50	150	10	₹ 4,869
CR16GBE00D78	12	25	75	12	₹ 3,150
CR16GBE00D86	12	40	100	12	₹ 4,071
CR16GBE00D94	12	50	150	12	₹ 6,000
CR16GBE00DA6	16	40	100	16	₹ 6,756
CR16GBE00DB4	16	50	150	16	₹ 10,491



Series	207	Carbide 1X Series 4F Taper End Mills				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-50
20703008002-F	3	40	80	6	2	₹ 2,145
20705008002-F	5	40	80	8	2	₹ 2,394
20707008002-F	7	40	80	10	2	₹ 3,258
20709008002-F	9	40	80	12	2	₹ 3,834
20702508003-F	2.5	32	80	6	3	₹ 2,145
20703008003-F	3	40	80	8	3	₹ 2,394
20704008003-F	4	38	80	8	3	₹ 2,394
20706008003-F	6	38	80	10	3	₹ 3,258
20708010503-F	8	55	105	14	3	₹ 6,225
20702506305-F	2.5	20	63	6	5	₹ 2,016
20703008005-F	3	28	80	8	5	₹ 2,394
20704008005-F	4	32	80	10	5	₹ 3,258
20706009005-F	6	32	90	12	5	₹ 4,776
20708010005-F	8	45	100	16	5	₹ 7,497
20710010505-F	10	55	105	20	5	₹ 11,784
20703006307-F	3	20	63	8	7	₹ 2,184
20705008007-F	5	28	80	12	7	₹ 3,834
20702507510-F	2.5	20	75	10	10	₹ 3,258
20703008010-F	3	30	80	14	10	₹ 5,601
20705008010-F	5	30	80	16	10	₹ 6,426
20708010010-F	8	32	100	20	10	₹ 11,784
20702506315-F	2.5	16	63	12	15	₹ 3,585
20704008015-F	4	18	80	14	15	₹ 5,601
20706508015-F	6.5	25	80	20	15	₹ 10,098
20708008015-F	8	20	80	20	15	₹ 10,098

Series	208	Carbide 1X Series 2F Taper Ball Nose				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-50
20803008002-F	3	40	80	6	2	₹ 2,304
20805008002-F	5	40	80	8	2	₹ 3,090
20807008002-F	7	40	80	10	2	₹ 3,834
20809008002-F	9	40	80	12	2	₹ 4,776
20803008003-F	3	40	80	8	3	₹ 3,090
20804008003-F	4	38	80	8	3	₹ 3,090
20806008003-F	6	38	80	10	3	₹ 3,834
20808010503-F	8	55	105	14	3	₹ 7,089
20803008003-F	3	28	80	8	5	₹ 3,090
20804008005-F	4	32	80	10	5	₹ 3,834
20806009005-F	6	32	90	12	5	₹ 5,769
20808010005-F	8	45	100	16	5	₹ 8,034
20810010505-F	10	55	105	20	5	₹ 13,929
20803006305-F	3	20	63	8	7	₹ 2,553
20805008005-F	5	28	80	12	7	₹ 4,776
20803008007-F	3	30	80	14	10	₹ 6,426
20805008007-F	5	30	80	16	10	₹ 7,089
20808010010-F	8	32	100	20	10	₹ 13,929
20804008010-F	4	18	80	14	15	₹ 6,426
20806508010-F	6.5	25	80	20	15	₹ 11,784
20808008010-F	8	20	80	20	15	₹ 11,784



Series	209	Carbide 1X Series 2F Rib Processing Flat End Mills				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L3)	Shank Diameter (D2)	Reach Length (L2)	PL-50
20901006-F	1	2	50	4	6	₹ 909
20901010-F	1	2	50	4	10	₹ 972
20901506-F	1.5	2	50	4	6	₹ 909
20901510-F	1.5	2	50	4	10	₹ 972
20902008-F	2	3	50	4	8	₹ 831
20902012-F	2	3	50	4	12	₹ 894
20902016-F	2	3	50	4	16	₹ 939
20902020-F	2	3	50	4	20	₹ 939
20902508-F	2.5	4	50	4	8	₹ 831
20902512-F	2.5	4	50	4	12	₹ 894
20902516-F	2.5	4	50	4	16	₹ 939
20902520-F	2.5	4	50	4	20	₹ 939
20903008-F	3	5	50	6	8	₹ 1,095
20903012-F	3	5	50	6	12	₹ 1,155
20903016-F	3	5	60	6	16	₹ 1,401
20903020-F	3	5	60	6	20	₹ 1,401
20903025-F	3	5	75	6	25	₹ 1,647
20904012-F	4	6	50	6	12	₹ 1,095
20904016-F	4	6	60	6	16	₹ 1,341
20904020-F	4	6	75	6	20	₹ 1,587
20904025-F	4	6	75	6	25	₹ 1,587
20904030-F	4	6	75	6	30	₹ 1,647
20904035-F	4	6	75	6	35	₹ 1,695

Series	210	Carbide 1X Series 2F Rib Processing Ball Nose				
Ordering Code	R	Flute Diameter (D1)	Overall Length (L3)	Shank Diameter (D2)	Reach Length (L2)	PL-50
21001006-F	0.5	1	50	4	6	₹ 1,041
21001010-F	0.5	1	50	4	10	₹ 1,122
21001506-F	0.75	1.5	50	4	6	₹ 1,041
21001510-F	0.75	1.5	50	4	10	₹ 1,122
21002008-F	1	2	50	4	8	₹ 960
21002012-F	1	2	50	4	12	₹ 1,026
21002016-F	1	2	50	4	16	₹ 1,089
21002020-F	1	2	50	4	20	₹ 1,089
21002508-F	1.25	2.5	50	4	8	₹ 960
21002512-F	1.25	2.5	50	4	12	₹ 1,026
21002516-F	1.25	2.5	50	4	16	₹ 1,089
21002520-F	1.25	2.5	50	4	20	₹ 1,089
21003008-F	1.5	3	50	6	8	₹ 1,266
21003012-F	1.5	3	50	6	12	₹ 1,329
21003016-F	1.5	3	60	6	16	₹ 1,617
21003020-F	1.5	3	60	6	20	₹ 1,617
21003025-F	1.5	3	75	6	25	₹ 1,890
21004012-F	2	4	50	6	12	₹ 1,266
21004016-F	2	4	60	6	16	₹ 1,536
21004020-F	2	4	75	6	20	₹ 1,824
21004025-F	2	4	75	6	25	₹ 1,824
21004030-F	2	4	75	6	30	₹ 1,890
21004035-F	2	4	75	6	35	₹ 1,938



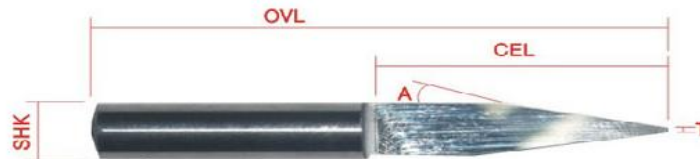
Series	211	Carbide 1X Series 2F High Helix End Mills			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
211040050-U	4	14	50	4	₹ 672
211040075-U	4	25	75	4	₹ 1,152
211040100-U	4	30	100	4	₹ 1,377
211050050-U	5	16	50	5	₹ 912
211050075-U	5	25	75	5	₹ 1,233
211050100-U	5	35	100	5	₹ 1,506
211060050-U	6	18	60	6	₹ 978
211060075-U	6	30	75	6	₹ 1,377
211060100-U	6	35	100	6	₹ 1,584
211080060-U	8	20	60	8	₹ 1,284
211080075-U	8	30	75	8	₹ 1,545
211080100-U	8	40	100	8	₹ 2,202
211100075-U	10	30	75	10	₹ 2,301
211100100-U	10	50	100	10	₹ 2,751
211120075-U	12	30	75	12	₹ 2,751
211120100-U	12	50	100	12	₹ 3,669
211140100-U	14	50	100	14	₹ 5,085
211160100-U	16	50	100	16	₹ 6,135
211200100-U	20	50	100	20	₹ 9,900

Series	213	Carbide 1X Series 3F High Helix End Mills			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
213040050-U	4	14	50	4	₹ 786
213040075-U	4	25	75	4	₹ 1,335
213040100-U	4	30	100	4	₹ 1,584
213050050-U	5	16	50	5	₹ 1,050
213050075-U	5	25	75	5	₹ 1,419
213050100-U	5	35	100	5	₹ 1,734
213060050-U	6	18	50	6	₹ 1,134
213060075-U	6	30	75	6	₹ 1,584
213060100-U	6	35	100	6	₹ 1,818
213080060-U	8	20	60	8	₹ 1,419
213080075-U	8	30	75	8	₹ 1,900
213080100-U	8	40	100	8	₹ 2,436
213100075-U	10	30	75	10	₹ 2,535
213100100-U	10	50	100	10	₹ 3,036
213120075-U	12	30	75	12	₹ 3,036
213120100-U	12	50	100	12	₹ 4,035
213140100-U	14	50	100	14	₹ 5,352
213160100-U	16	50	100	16	₹ 6,450
213180100-U	18	50	100	18	₹ 8,334
213200100-U	20	50	100	20	₹ 9,669



Series	219	Carbide 1X Series Engraving Bit V-shape				
Ordering Code	TIP (T)	Angle (A*)	Cutting Length (CEL)	Overall Length (OVL)	Shank Dia (SHK)	PL-50
219030033-U	0.2-0.5	10 / 12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	3	₹ 450
219040033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	4	₹ 540
219050033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	5	₹ 610
219060033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	6	₹ 710
219080060-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	60	8	₹ 1,300
219100075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	10	₹ 2,250
219120075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12	₹ 2,950
219127075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12.7	₹ 3,820

Series	119	Carbide 0X Series Engraving Bit V-shape				
Ordering Code	TIP (T)	Angle (A*)	Cutting Length (CEL)	Overall Length (OVL)	Shank Dia (SHK)	PL-50
219030033-U	0.2-0.5	10 / 12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	3	₹ 320
219040033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	4	₹ 390
219050033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	5	₹ 440
219060033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	6	₹ 510
219080060-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	60	8	₹ 950
219100075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	10	₹ 1,630
219120075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12	₹ 2,140
219127075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12.7	₹ 2,770





Series	101		Carbide GP-0X Series 4F Flat End Mills		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CX01GSE000X9	2	6	38	3	₹ 258
CX01GSE000Y7	2	8	50	3	₹ 276
CX01GSE00106	2.5	8	50	3	₹ 276
CX01GSE00130	3	12	38	3	₹ 258
CX01GSE00148	3	14	50	3	₹ 276
CX01GSE00155	3	25	75	3	₹ 414
CX01GSE00HM0	3	30	100	3	₹ 567
CX01GSE00171	4	14	50	4	₹ 294
CX01GSE001A9	4	25	75	4	₹ 459
CX01GSE001B7	4	30	100	4	₹ 567
CX01GSE001C5	5	16	50	5	₹ 366
CX01GSE001D2	5	25	75	5	₹ 549
CX01GSE001F8	5	35	100	5	₹ 732
CX01GSE001H4	6	18	50	6	₹ 441
CX01GSE001J9	6	30	75	6	₹ 642
CX01GSE001K7	6	35	100	6	₹ 852
CX01GSE00JQ9	6	50	150	6	₹ 1,326
CX01GSE001M3	7	20	60	7	₹ 822
CX01GSE001P6	8	20	60	8	₹ 786
CX01GSE001Q4	8	30	75	8	₹ 960
CX01GSE001S9	8	40	100	8	₹ 1,188
CX01GSE001T7	8	60	150	8	₹ 1,962
CX01GSE00GZ2	8	30	200	8	₹ 2,868
CX01GSE001W1	10	30	75	10	₹ 1,281
CX01GSE001X8	10	50	100	10	₹ 1,689
CX01GSE001Y6	10	60	150	10	₹ 2,646
CX01GSE00G38	10	30	200	10	₹ 3,996
CX01GSE00LD5	11	30	75	11	₹ 1,644
CX01GSE00213	12	30	75	12	₹ 1,767
CX01GSE00247	12	50	100	12	₹ 2,292
CX01GSE00254	12	60	150	12	₹ 3,423
CX01GSE00262	12	75	150	12	₹ 3,423
CX01GSE00239	12	30	200	12	₹ 5,208
CX01GSE00270	14	30	75	14	₹ 2,535
CX01GSE00296	14	50	100	14	₹ 3,282
CX01GSE002B6	14	60	150	14	₹ 4,983
CX01GSE002D1	16	30	75	16	₹ 3,018
CX01GSE002F7	16	30	89	16	₹ 3,936
CX01GSE002J8	16	50	100	16	₹ 3,936
CX01GSE002L4	16	60	150	16	₹ 5,988
CX01GSE002H3	16	30	200	16	₹ 8,211
CX01GSE00FX7	18	50	100	18	₹ 5,070
CX01GSE002P5	20	50	100	20	₹ 6,384
CX01GSE002M2	20	30	150	20	₹ 9,357
CX01GSE00G61	20	80	150	20	₹ 9,762
CX01GSE002N9	20	30	200	20	₹ 12,105
CX01GSE00HF5	25	50	100	25	₹ 9,762
CX01GSE00HJ6	25	60	150	25	₹ 14,598



Series	102		Carbide GP-0X Series 4F Ball Nose		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CX01GBE00160	3	12	38	3	₹ 258
CX01GBE00186	3	14	50	3	₹ 276
CX01GBE001A6	3	25	75	3	₹ 459
CX01GBE00BT7	3	30	100	3	₹ 603
CX01GBE001B4	4	14	50	4	₹ 312
CX01GBE001D9	4	25	75	4	₹ 513
CX01GBE00AR3	4	30	100	4	₹ 603
CX01GBE001F5	5	16	50	5	₹ 390
CX01GBE001H1	5	25	75	5	₹ 603
CX01GBE001K4	5	35	100	5	₹ 804
CX01GBE001M0	6	18	50	6	₹ 468
CX01GBE001P3	6	30	75	6	₹ 678
CX01GBE001R9	6	35	100	6	₹ 933
CX01GBE001T4	6	40	150	6	₹ 1,572
CX01GBE001W8	8	20	60	8	₹ 879
CX01GBE00202	8	30	75	8	₹ 1,053
CX01GBE00210	8	40	100	8	₹ 1,323
CX01GBE00236	8	50	150	8	₹ 2,100
CX01GBE00BG6	8	30	200	8	₹ 3,150
CX01GBE00277	10	30	75	10	₹ 1,371
CX01GBE002A5	10	50	100	10	₹ 1,827
CX01GBE002B3	10	60	150	10	₹ 2,922
CX01GBE00B14	10	30	200	10	₹ 4,158
CX01GBE00DU3	11	30	75	11	₹ 1,827
CX01GBE002E6	12	30	75	12	₹ 1,827
CX01GBE002H0	12	50	100	12	₹ 2,376
CX01GBE002J5	12	60	150	12	₹ 3,741
CX01GBE00B22	12	30	200	12	₹ 5,520
CX01GBE00DV1	14	30	75	14	₹ 2,739
CX01GBE00DR0	16	30	75	16	₹ 3,285
CX01GBE002N6	16	50	100	16	₹ 4,242
CX01GBE002P2	16	60	150	16	₹ 6,570
CX01GBE00DS7	16	30	200	16	₹ 8,436
CX01GBE00CD1	20	50	100	20	₹ 6,843
CX01GBE00DT5	20	30	200	20	₹ 13,113



Series	103	Carbide GP-0X Series 2F Flat End Mills				
Item Code UNCOATED	Item Code COATED	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
-	CX01GSE000J0	1	4	38	3	₹ 258
-	CX01GSE000K8	1	6	50	3	₹ 276
-	CX01GSE000L6	1.5	6	38	3	₹ 258
-	CX01GSE000M4	1.5	8	50	3	₹ 276
-	CX01GSE00HD9	2	8	50	3	₹ 276
-	CX01GSE000P7	3	14	50	3	₹ 276
CX0XGSE00016	-	3	16	50	3	₹ 231
CX0XGSE00032	-	4	22	50	4	₹ 258
-	CX01GSE000Q5	4	22	50	4	₹ 294
CX0XGSE00HG4	-	4	30	60	4	₹ 330
CX0XGSE00G13	-	4	35	75	4	₹ 402
CX0XGSE00G21	-	4	50	100	4	₹ 549
-	CX01GSE00HE7	5	16	50	5	₹ 366
CX0XGSE00057	-	5	22	50	5	₹ 321
CX0XGSE00FZ4	-	5	30	60	5	₹ 414
CX0XGSE00G05	-	5	35	75	5	₹ 504
CX0XGSE00GQ3	-	5	50	100	5	₹ 687
-	CX01GSE00H11	6	18	50	6	₹ 441
CX0XGSE00073	-	6	22	50	6	₹ 384
CX0XGSE00099	-	6	30	60	6	₹ 495
CX0XGSE000A1	-	6	35	75	6	₹ 603
CX0XGSE00G88	-	6	50	100	6	₹ 822
-	CX01GSE000T8	8	20	60	8	₹ 786
CX0XGSE00HN8	-	8	22	50	8	₹ 600
CX0XGSE00FV3	-	8	30	60	8	₹ 750
CX0XGSE00GY5	-	8	35	75	8	₹ 900
CX0XGSE000G8	-	8	50	100	8	₹ 1,200
-	CX01GSE00H29	10	30	75	10	₹ 1,314
CX0XGSE00K50	-	10	35	75	10	₹ 1,221
CX0XGSE00H53	-	10	50	100	10	₹ 1,689
-	CX01GSE00H37	12	30	75	12	₹ 1,767
CX0XGSE00K68	-	12	35	75	12	₹ 1,650
CX0XGSE00H61	-	12	50	100	12	₹ 2,121



Series	104	Carbide GP-0X Series 2F Ball Nose				
Item Code UNCOATED	Item Code COATED	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
-	CX01GBE00BQ4	1	4	38	3	₹ 270
-	CX01GBE00C21	1	6	50	3	₹ 288
-	CX01GBE00AX9	1.5	8	50	3	₹ 288
-	CX01GBE00DW9	2	6	38	3	₹ 270
-	CX01GBE000J7	2	8	50	3	₹ 288
-	CX01GBE00BE0	2.5	8	50	3	₹ 288
-	CX01GBE000N8	3	14	50	3	₹ 276
CX0XGBE003C1	-	3	16	50	3	₹ 276
-	CX01GBE00BJ9	4	14	50	4	₹ 312
CX0XGBE003F4	-	4	22	50	4	₹ 294
CX0XGBE00BS0	-	4	30	60	4	₹ 366
CX0XGBE00BD3	-	4	35	75	4	₹ 441
-	CX01GBE00CF7	4	30	100	4	₹ 603
-	CX01GBE00C62	5	16	50	5	₹ 390
CX0XGBE003J5	-	5	22	50	5	₹ 366
CX0XGBE00054	-	5	30	60	5	₹ 459
CX0XGBE003M9	-	5	35	75	5	₹ 549
CX0XGBE00070	-	5	50	100	5	₹ 732
-	CX01GBE000R0	6	18	50	6	₹ 468
CX0XGBE003Q0	-	6	22	50	6	₹ 441
CX0XGBE00088	-	6	30	60	6	₹ 549
CX0XGBE000A8	-	6	35	75	6	₹ 660
CX0XGBE000C4	-	6	50	100	6	₹ 879
-	CX01GBE00CG5	8	20	60	8	₹ 879
CX0XGBE00AP8	-	8	22	50	8	₹ 660
CX0XGBE00AQ6	-	8	30	60	8	₹ 804
CX0XGBE00BF9	-	8	35	75	8	₹ 951
CX0XGBE000G5	-	8	50	100	8	₹ 1,242
-	CX01GBE00BK7	10	30	75	10	₹ 1,371
CX0XGBE00BN1	-	10	50	100	10	₹ 1,737
-	CX01GBE00BL5	12	30	75	12	₹ 1,827
CX0XGBE000H3	-	12	50	100	12	₹ 2,178
-	CX01GBE00AZ5	12	25	150	12	₹ 3,741
-	CX01GBE00C05	12	30	200	12	₹ 5,520



Series	105	Carbide GP-0X Series 3F Flat End Mills			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
105040050-U	4	14	50	4	₹ 303
105040075-U	4	25	75	4	₹ 480
105040100-U	4	30	100	4	₹ 603
105050050-U	5	16	50	5	₹ 372
105050075-U	5	25	75	5	₹ 576
105050100-U	5	35	100	5	₹ 771
105060050-U	6	18	50	6	₹ 453
105060075-U	6	30	75	6	₹ 639
105060100-U	6	35	100	6	₹ 894
105060150-U	6	50	150	6	₹ 1,578
105080060-U	8	20	60	8	₹ 852
105080075-U	8	30	75	8	₹ 1,029
105080100-U	8	40	100	8	₹ 1,275
105080150-U	8	50	150	8	₹ 2,124
105100075-U	10	30	75	10	₹ 1,329
105100100-U	10	50	100	10	₹ 1,737
105100150-U	10	60	150	10	₹ 2,754
105120075-U	12	30	75	12	₹ 1,719
105120100-U	12	50	100	12	₹ 2,241
105120150-U	12	60	150	12	₹ 4,452
105140075-U	14	30	75	14	₹ 2,595
105140100-U	14	50	100	14	₹ 3,408
105140150-U	14	60	150	14	₹ 5,187
105160075-U	16	30	75	16	₹ 3,117
105160100-U	16	50	100	16	₹ 4,056
105160150-U	16	75	150	16	₹ 6,231



Series	107	Carbide GP-0X Series Single Flute End Mills			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
107030050-U	3	16	50	3	₹ 363
107040050-U	4	22	50	4	₹ 390
107040060-U	4	30	60	4	₹ 486
107040075-U	4	35	75	4	₹ 582
107040100-U	4	50	100	4	₹ 777
107050050-U	5	22	50	5	₹ 486
107050060-U	5	30	60	5	₹ 606
107050075-U	5	35	75	5	₹ 726
107050100-U	5	50	100	5	₹ 969
107060050-U	6	22	50	6	₹ 582
107060060-U	6	30	60	6	₹ 726
107060075-U	6	35	75	6	₹ 873
107060100-U	6	50	100	6	₹ 1,164
107080050-U	8	22	50	8	₹ 873
107080060-U	8	30	60	8	₹ 1,065
107080075-U	8	35	75	8	₹ 1,260
107080100-U	8	50	100	8	₹ 1,647
107100050-U	10	22	50	10	₹ 1,332
107100060-U	10	30	60	10	₹ 1,575
107100075-U	10	35	75	10	₹ 1,815
107100100-U	10	50	100	10	₹ 2,301
107120050-U	12	22	50	12	₹ 1,599
107120060-U	12	30	60	12	₹ 1,890
107120075-U	12	35	75	12	₹ 2,178
107120100-U	12	50	100	12	₹ 2,760
107140100-U	14	50	100	14	₹ 3,912
107160100-U	16	50	100	16	₹ 4,638



Series	108	Carbide GP-0X Series 2F Taper End Mills				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-50
10801008002-U	1	43	80	4	2	₹ 1,365
10801508002-U	1.5	36	80	4	2	₹ 1,092
10802008002-U	2	29	80	4	2	₹ 1,092
10802010002-U	2	57	100	6	2	₹ 1,800
10802510002-U	2.5	50	100	6	2	₹ 1,800
10801008003-U	1	29	80	4	3	₹ 1,092
10801506003-U	1.5	24	60	4	3	₹ 984
10802006003-U	2	19	60	4	3	₹ 984
10801010003-U	1	48	100	6	3	₹ 1,800
10801508003-U	1.5	43	80	6	3	₹ 1,638
10802008003-U	2	38	80	6	3	₹ 1,638
10803006003-U	3	29	60	6	3	₹ 1,365
10804005003-U	4	19	50	6	3	₹ 1,230

Series	109	Carbide GP-0X Series 2F Taper Ball Nose				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-50
10901008002-U	1	43	80	4	2	₹ 1,455
10901508002-U	1.5	36	80	4	2	₹ 1,164
10902008002-U	2	29	80	4	2	₹ 1,164
10902010002-U	2	57	100	6	2	₹ 1,920
10902510002-U	2.5	50	100	6	2	₹ 1,920
10901008003-U	1	29	80	4	3	₹ 1,164
10901506003-U	1.5	24	60	4	3	₹ 1,050
10902006003-U	2	19	60	4	3	₹ 1,050
10901010003-U	1	48	100	6	3	₹ 1,920
10901508003-U	1.5	43	80	6	3	₹ 1,746
10902008003-U	2	38	80	6	3	₹ 1,746
10903006003-U	3	29	60	6	3	₹ 1,455
10904005003-U	4	19	50	6	3	₹ 1,311



Series	110	Carbide GP-0X 4F Flat End Mills upto 45Hrc			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
CX01GSE00K75	3	14	50	3	₹ 330
CX01GSE00KE4	3	25	75	3	₹ 495
CX01GSE00K83	4	14	50	4	₹ 366
CX01GSE00KF2	4	25	75	4	₹ 549
CX01GSE00KG0	4	30	100	4	₹ 696
CX01GSE00K91	5	16	50	5	₹ 441
CX01GSE00KH8	5	25	75	5	₹ 660
CX01GSE00KJ3	5	35	100	5	₹ 879
CX01GSE00L66	5	40	100	5	₹ 879
CX01GSE00KA3	6	18	50	6	₹ 549
CX01GSE00KK1	6	30	75	6	₹ 732
CX01GSE00KL9	6	35	100	6	₹ 951
CX01GSE00L74	6	40	100	6	₹ 951
110070060-F	7	20	60	7	₹ 840
CX01GSE00KB1	8	20	60	8	₹ 840
CX01GSE00KM7	8	30	75	8	₹ 1,023
CX01GSE00KN4	8	40	100	8	₹ 1,260
CX01GSE00L82	8	50	100	8	₹ 1,260
CX01GSE00LA2	8	50	150	8	₹ 2,055
110090075-F	9	30	75	9	₹ 1,425
CX01GSE00KC9	10	30	75	10	₹ 1,353
CX01GSE00KP0	10	50	100	10	₹ 1,791
CX01GSE00LB0	10	60	150	10	₹ 2,793
110110075-F	11	30	75	11	₹ 1,827
CX01GSE00KD6	12	30	75	12	₹ 1,782
CX01GSE00KQ8	12	50	100	12	₹ 2,364
CX01GSE00L90	12	60	150	12	₹ 3,693
CX01GSE00MG8	14	50	100	14	₹ 3,777
CX01GSE00KR6	16	50	100	16	₹ 4,326
CX01GSE00LC8	16	60	150	16	₹ 6,570
CX01GSE00MF0	18	50	100	18	₹ 5,832
CX01GSE00KS3	20	50	100	20	₹ 7,008

Series	111	Carbide GP-0X 4F Ball Nose upto 45Hrc			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
111030050-F	3	12	50	3	₹ 366
111030075-F	3	25	75	3	₹ 549
111040050-F	4	14	50	4	₹ 402
111040075-F	4	25	75	4	₹ 603
111040100-F	4	30	100	4	₹ 768
111050050-F	5	16	50	5	₹ 495
111050075-F	5	25	75	5	₹ 732
111050100-F	5	35	100	5	₹ 969
111060050-F	6	18	50	6	₹ 603
111060075-F	6	30	75	6	₹ 804
111060100-F	6	35	100	6	₹ 1,062
111060150-F	6	50	150	6	₹ 1,737
111080060-F	8	20	60	8	₹ 933
111080075-F	8	30	75	8	₹ 1,134
111080100-F	8	40	100	8	₹ 1,389
111080150-F	8	60	150	8	₹ 2,283
111100075-F	10	30	75	10	₹ 1,500
111100100-F	10	50	100	10	₹ 1,974
111100150-F	10	60	150	10	₹ 3,084
111120075-F	12	30	75	12	₹ 1,920
111120100-F	12	50	100	12	₹ 2,538
111120150-F	12	60	150	12	₹ 3,960



Series	118	Carbide GP-0X Series 2-ST. Flute End Mills for HARD Wood			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-50
11803005006-S.F-U	3	15	50	6	₹ 471
11803005006-S.F-U	3	20	50	6	₹ 489
11804005006-S.F-U	4	16	50	6	₹ 471
11804005006-S.F-U	4	22	50	6	₹ 489
11805005006-S.F-U	5	22	50	6	₹ 471
118060050-S.F-U	6	22	50	6	₹ 453
118060075-S.F-U	6	35	75	6	₹ 696
11806006008-S.F-U	6	30	60	8	₹ 801
11803005004-S.F-U	3	15	50	4	₹ 333
118040050-S.F-U	4	20	50	4	₹ 333
118050050-S.F-U	5	22	50	5	₹ 384
118060060-S.F-U	6	25	60	6	₹ 522
118080060-S.F-U	8	30	60	8	₹ 750
118080075-S.F-U	8	35	75	8	₹ 918
118080100-S.F-U	8	50	100	8	₹ 1,218
118100060-S.F-U	10	30	60	10	₹ 1,167
118100075-S.F-U	10	40	75	10	₹ 1,341
118100100-S.F-U	10	50	100	10	₹ 1,707
118120060-S.F-U	12	30	60	12	₹ 1,455
118120075-S.F-U	12	35	75	12	₹ 1,692
118120100-S.F-U	12	50	100	12	₹ 2,166