CARBIDE END MILLS SELECTION GUIDE

SERIES GROUP	Series	Dia Range	Stock	# of Flutes	Square End	Ball Nose	Corner Radius	Neck Relief	Coating
HP-VHEM*	330	3~20	YES	4	x		x		AL-PRO
	334	3~20	YES	4	x				AL-PRO
	333	6~20	YES	5	x		x		AL-PRO
	430	3~20	++++	4	x		x		TISINOVA
	434	3~20	++++	4	x				TISINOVA
	433	6~20	++++	5	x		x		TISINOVA
HP-SUS*	321	3~20	YES	4	x		x		NOVA
	322	3~20	YES	4	x				NOVA
	423	3~20	++++	4		x			TISINOVA
HP-4X (upto 65HRc)	401	1~20	++++	4	x				TISINOVA
	402	1~12	++++	2		x			TISINOVA
	406	2~12	++++	2		x		x	TISINOVA
HP-3X (upto 55HRc)	Micro EM	0.2~0.9	+++	2	x				NOVA
	Micro BN	0.2~0.9	+++	2		x			NOVA
	301	1~25	Yes	4	x				NOVA
	302	3~20	Yes	4		x			NOVA
	304	1~12	Yes	2		x			NOVA
	305	1~4	Yes	2	x			x	NOVA
	306	1~4	Yes	2		x		x	NOVA
	307	2~12	++	2		x		x	NOVA
	308	6~20	++	6	x		x		NOVA
HP-3X (Taper EM & BN)	309	3~10	++	2 & 3	x				AL-PRO
	310	3~10	++	2		x			AL-PRO
HP-3X (ALU-ALLOYS)	311	2~20	+++	2	x				ALU-IRIS
	312	3~20	+++	2		x			ALU-IRIS
	313	2~20	+++	3	x				ALU-IRIS
HP-3X (Chamfer EM)	315	2~20	+++	2	x				AL-PRO
GP-0X (Non-Ferrous)	103	1~12	Yes	2	x				-
	104	1~12	Yes	2		x			-
	107	3~16	+	1	x				-
	108	1~4	+	2	x				-
	109	1~4	+	2		x			-
	112	6~12	+	2	x				-
	114	6~12	+	2	x				-
	118	3~12	YES	2	x				-
	119	3~12	YES	1	x				-
GP-0X (upto 45HRc)	121	3~20	YES	4	x		x		NOVA
	122	1~20	YES	4	x				NOVA
	123	1~20	YES	4		x			NOVA
GP-0X RIB-EM & BN	125	1~2.5	++	4	x				NOVA
	126	1~2.5	++	2		x			NOVA

Carbide Grain	Full Type	ROHIT Grade
MG	Micro Fine Grain	0X
UMG	Ultra Fine Micro Grain	3X
NG	NANO Grain	4X

+	1 Week
++	2 Week
+++	3 Week
++++	4 Week

Series	330		Carbide HP 4-Flute Variable Helix End Mills AL-PRO COATED			

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-56
CR35HVH001Q9	3.0	10	50	6	R0.2	₹ 2,805
CR35HVH000B3	4.0	10	54	6	R0.3	₹ 2,805
CR35HVH00135	4.5	12	50	6	R0.3	₹ 2,805
CR35HVH00150	5.0	16	50	6	R0.3	₹ 2,805
CR35HVH00176	5.0	16	60	6	R0.3	₹ 3,087
CR35HVH00143	5.5	12	50	6	R0.3	₹ 2,805
CR35HVH00168	6.0	12	50	6	R0.3	₹ 2,526
CR35HVH00010	6.0	12	63	6	R0.3	₹ 2,934
CR35HVH00119	8.0	19	63	8	R0.3	₹ 4,611
CR35HVH00028	8.0	19	63	8	R0.5	₹ 4,611
CR35HVH00036	10.0	22	72	10	R0.5	₹ 7,086
CR35HVH00044	12.0	26	80	12	R0.75	₹ 9,309
CR35HVH00085	14.0	26	80	14	R0.75	₹ 13,530
CR35HVH00051	16.0	32	92	16	R0.30	₹ 20,445
CR35HVH00093	16.0	32	92	16	R0.75	₹ 20,445
CR35HVH000A5	20.0	38	100	20	R0.75	₹ 33,717
CX35HVH00071	1/4	1/2"	2-1/2"	1/4	R0.015	₹ 3,633
CX35HVH000C5	1/4	3/4"	2-1/2"	1/4	R0.015	₹ 3,633
CX35HVH000H4	5/16	13/16"	2-1/2"	5/16	R0.015	₹ 4,611
CX35HVH000E0	3/8	1"	3"	3/8	R0.015	₹ 7,086
CX35HVH000D2	1/2	1"	3"	1/2	R0.015	₹ 11,403
CX35HVH00063	1/2	1"	3"	1/2	R0.030	₹ 11,403
CX35HVH000L5	5/8	1-1/4"	3-1/2"	5/8	R0.015	₹ 20,445
CX35HVH000F8	5/8	1-1/4"	3-1/2"	5/8	R0.030	₹ 20,445
CX35HVH000M3	3/4	1-1/2"	4"	3/4	R0.015	₹ 33,717
CX35HVH000G6	3/4	1-1/2"	4"	3/4	R0.030	₹ 33,717

Series	334		Carbide HP 4-Flute Variable Helix End Mills AL-PRO COATED (ECC)		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR35HVH001P1	3.0	10	50	6.0	₹ 2,754
CR35HVH001T2	4.0	15	50	4.0	₹ 1,965
CR35HVH001R7	4.0	16	50	6.0	₹ 2,754
CR35HVH001U0	5.0	16	50	5.0	₹ 2,490
CR35HVH001V8	5.0	16	50	6.0	₹ 2,754
CR35HVH00184	6.0	16	50	6.0	₹ 2,694
CR35HVH00192	6.0	20	60	6.0	₹ 2,979
CR35HVH001A4	6.0	25	75	6.0	₹ 3,324
CR35HVH001B2	6.0	30	100	6.0	₹ 4,122
CR35HVH001C0	8.0	20	60	8.0	₹ 4,425
CR35HVH001D7	8.0	30	75	8.0	₹ 4,968
CR35HVH001E5	8.0	40	100	8.0	₹ 6,255
CR35HVH001F3	10.0	30	75	10.0	₹ 7,023
CR35HVH001G1	10.0	45	100	10.0	₹ 8,865
CR35HVH001H9	12.0	30	75	12.0	₹ 9,234
CR35HVH001J4	12.0	45	100	12.0	₹ 11,664
CR35HVH001K2	14.0	50	100	14.0	₹ 16,749
CR35HVH001L0	16.0	50	100	16.0	₹ 20,241
CR35HVH001M8	18.0	50	100	18.0	₹ 25,305
CR35HVH001N5	20.0	50	100	20.0	₹ 34,425

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Series	333		Carbide HP 5-Flute Variable Helix End Mills A-PRO COATED			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-56
CR35HVH000P2	6.0	12	63	6.0	R0.3	₹ 2,922
CR35HVH000Q0	8.0	16	63	8.0	R0.5	₹ 4,413
CR35HVH000R8	10.0	22	72	10.0	R0.5	₹ 7,101
CR35HVH000S5	12.0	26	80	12.0	R0.75	₹ 10,005
CR35HVH001S4	14.0	26	80	14.0	R0.75	₹ 13,851
CR35HVH000T3	16.0	32	92	16.0	R0.75	₹ 21,411
CR35HVH000U1	20.0	38	100	20.0	R0.75	₹ 35,325
CX35HVH000V3	1/4	3/4"	2-1/2"	1/4	R0.01"	₹ 4,212
CX35HVH000W1	5/16	13/16"	2-1/2"	5/16	R0.015"	₹ 4,812
CX35HVH000X8	3/8	1"	3"	3/8	R0.015"	₹ 7,410
CX35HVH000Y6	1/2	1"	3"	1/2	R0.03"	₹ 11,973
CX35HVH000Z4	5/8	1-1/4"	3-1/2"	5/8	R0.03"	₹ 21,411
CX35HVH00105	3/4	1-1/2"	4"	3/4	R0.03"	₹ 35,325

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Series	430		Carbide 4X HP 4-Flute Variable Helix End Mills TISINOVA Coated			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-56
CR4SHVH00257	3.0	8	50	4	R0.2	₹ 2,745
CR4SHVH001W4	4.0	12	50	6	R0.3	₹ 4,200
CR4SHVH001X1	5.0	14	50	6	R0.3	₹ 4,200
CR4SHVH001Y9	6.0	16	63	6	R0.3	₹ 4,422
CR4SHVH001Z7	8.0	19	63	8	R0.5	₹ 7,773
CR4SHVH00208	10.0	22	72	10	R0.5	₹ 11,367
CR4SHVH00216	12.0	26	76	12	R0.75	₹ 14,772
CR4SHVH00224	14.0	30	80	14	R0.75	₹ 20,667
CR4SHVH00232	16.0	32	92	16	R0.75	₹ 31,290
CR4SHVH00240	20.0	38	100	20	R0.75	₹ 48,276
4304428702-1/2-TN	1/4	3/4"	2-1/2"	1/4	R0.01"	₹ 7,626
4304249102-1/2-TN	5/16	13/16"	2-1/2"	5/16	R0.015"	₹ 7,626
43044411003-TN	3/8	1"	3"	3/8	R0.015"	₹ 12,009
43044228003-TN	1/2	1"	3"	1/2	R0.03"	₹ 20,457
4304441303-1/2-TN	5/8	1-1/4"	3-1/2"	5/8	R0.03"	₹ 32,370

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Series	434		Carbide 4X HP 4-Flute Variable Helix End Mills TISINOVA COATED (ECC)		

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR4SHVH00265	3.0	12	50	4	₹ 2,745
CR4SHVH002P8	4.0	14	50	4	₹ 2,745
CR4SHVH00273	4.0	14	50	6	₹ 4,200
CR4SHVH002Q6	4.0	20	75	4	₹ 3,648
CR4SHVH00281	5.0	16	50	6	₹ 4,200
CR4SHVH00299	6.0	18	50	6	₹ 4,200
CR4SHVH002A1	6.0	25	75	6	₹ 5,550
CR4SHVH002B9	6.0	30	100	6	₹ 6,765
CR4SHVH002C7	8.0	20	60	8	₹ 7,011
CR4SHVH002D4	8.0	30	75	8	₹ 8,187
CR4SHVH002E2	8.0	40	100	8	₹ 10,374
CR4SHVH002F0	10.0	30	75	10	₹ 11,253
CR4SHVH002G8	10.0	45	100	10	₹ 14,019
CR4SHVH002H6	12.0	30	75	12	₹ 14,898
CR4SHVH002J1	12.0	45	100	12	₹ 18,837
CR4SHVH002K9	14.0	50	100	14	₹ 25,410
CR4SHVH002L7	16.0	50	100	16	₹ 31,590
CR4SHVH002M5	18.0	50	100	18	₹ 40,782
CR4SHVH002N2	20.0	50	100	20	₹ 49,167

Series	433		Carbide 4X HP 5-Flute Variable Helix End Mills TISINOVA Coated (with Flute-X)			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-56
433060063-XTN	6.0	12	63	6	R0.3	₹ 4,815
433080063-XTN	8.0	16	63	8	R0.5	₹ 8,064
433100072-XTN	10.0	22	72	10	R0.5	₹ 11,799
433120076-XTN	12.0	26	76	12	R0.75	₹ 15,795
433140080-XTN	14.0	26	80	14	R0.75	₹ 21,141
433160092-XTN	16.0	32	92	16	R0.75	₹ 32,139

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Series	401		Carbide 4X 4-Flute HP-Flat End Mills TISINOVA Coated upto 65HRc		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR4SHSE00V92	1.0	2	50	4	₹ 2,514
CR4SHSE00VA4	1.5	3	50	4	₹ 2,514
CR4SHSE00VB2	2.0	4	50	4	₹ 2,514
CR4SHSE00VC0	2.5	6	50	4	₹ 2,514
CR4SHSE00VD7	3.0	10	50	4	₹ 2,514
CR4SHSE00VE5	4.0	12	50	4	₹ 2,514
CR4SHSE00VF3	4.0	20	75	4	₹ 3,042
CR4SHSE00VG1	6.0	16	50	6	₹ 3,897
CR4SHSE00VH9	6.0	25	75	6	₹ 4,950
CR4SHSE00VJ4	8.0	20	60	8	₹ 6,867
CR4SHSE00VK2	8.0	25	75	8	₹ 8,037
CR4SHSE00VL0	8.0	35	100	8	₹ 10,005
CR4SHSE00VM8	10.0	25	75	10	₹ 10,665
CR4SHSE00VN5	10.0	40	100	10	₹ 13,335
CR4SHSE00VP1	12.0	25	75	12	₹ 13,947
CR4SHSE00VQ9	12.0	40	100	12	₹ 17,673
CR4SHSE00VR7	14.0	40	100	14	₹ 23,526
CR4SHSE00VS4	16.0	40	100	16	₹ 30,099
401180100-TN	18.0	40	100	18	₹ 39,180
401200100-TN	20.0	40	100	20	₹ 48,123

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Series	402		Carbide 4X 2-Flute HP-Ball Nose TISINOVA Coated upto 65HRc		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR4SHBE00H77	1.0	2	50	4	₹ 2,886
CR4SHBE00H85	1.5	3	50	4	₹ 2,886
CR4SHBE00H93	2.0	4	50	4	₹ 2,886
CR4SHBE00HA5	2.5	6	50	4	₹ 2,886
CR4SHBE00HB3	3.0	8	50	4	₹ 2,886
CR4SHBE00HC1	4.0	10	50	4	₹ 2,868
CR4SHBE00HD8	4.0	10	75	4	₹ 3,357
CR4SHBE00HE6	6.0	12	50	6	₹ 4,437
CR4SHBE00HF4	6.0	12	75	6	₹ 5,604
CR4SHBE00HG2	8.0	16	60	8	₹ 7,479
CR4SHBE00HH0	8.0	16	75	8	₹ 8,736
CR4SHBE00HJ5	8.0	16	100	8	₹ 10,755
CR4SHBE00HK3	10.0	20	75	10	₹ 11,928
CR4SHBE00HL1	10.0	20	100	10	₹ 14,784
CR4SHBE00HM9	12.0	25	75	12	₹ 15,453
CR4SHBE00HN6	12.0	25	100	12	₹ 19,320

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Series	406		Carbide 4X 2-Flute HP-Ball Nose with Taper Neck TISINOVA Coated upto 65HRc							
Ordering Code	R	Flute Diameter (D1)	Flute Length (L1)	L2	Reach Length (L3)	Overall Length (L4)	Shank Diameter (d2)	BACK Diameter (d3)	Neck Taper Angle	PL-56
4060104107506-TN	0.50	1	2	4	41	75	6	5.3	3°	₹ 5,802
4060202306006-TN	1.00	2	4	6	23	60	6	2.9	1°30'	₹ 4,662
4060202306006-TN	1.00	2	4	6	23	60	6	5	5°	₹ 4,662
4060204108006-TN	1.00	2	4	6	41	80	6	5.7	3°	₹ 5,211
4060303207506-TN	1.50	3	6	8	32	75	6	5.6	3°	₹ 5,211
4060305209006-TN	1.50	3	6	8	52	90	6	5.3	1°30'	₹ 7,131
4060402807506-TN	2.00	4	8	10	28	75	6	6	3°	₹ 5,070
4060404909006-TN	2.00	4	8	10	49	90	6	6	1°30'	₹ 6,036
4060504108008-TN	2.50	5	10	12	41	80	8	8	3°	₹ 7,893
4060505110008-TN	2.50	5	10	12	51	100	8	7	1°30'	₹ 10,032
4060603408008-TN	3.00	6	12	15	34	80	8	8	3°	₹ 8,259
4060605310008-TN	3.00	6	12	15	53	100	8	8	1°30'	₹ 10,767
4060803608010-TN	4.00	8	14	17	36	80	10	10	3°	₹ 11,136
4060805510010-TN	4.00	8	14	17	55	100	10	10	1°30'	₹ 14,889
4061004008012-TN	5.00	10	18	21	40	80	12	12	3°	₹ 14,307
4061005910012-TN	5.00	10	18	21	59	100	12	12	1°30'	₹ 19,167
4061206311016-TN	6.00	12	22	25	63	110	16	16	3°	₹ 33,000
4061208315016-TN	6.00	12	22	25	83	150	16	15	1°30'	₹ 45,000

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Series	423		Carbide 4X SUS 4-Flute HP-Ball Nose TISINOVA Coated for High Temp Alloys		

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR4SHBE00HP2	3.0	10	50	4	₹ 2,886
CR4SHBE00HQ0	4.0	12	50	4	₹ 2,868
CR4SHBE00HR8	4.0	20	75	4	₹ 3,357
CR4SHBE00HS5	5.0	14	50	6	₹ 4,437
CR4SHBE00HT3	6.0	18	50	6	₹ 4,437
CR4SHBE00HU1	6.0	25	75	6	₹ 5,604
CR4SHBE00JL9	6.0	30	100	6	₹ 6,897
CR4SHBE00HV9	8.0	20	60	8	₹ 7,479
CR4SHBE00HW7	8.0	25	75	8	₹ 8,736
CR4SHBE00HX4	8.0	35	100	8	₹ 10,755
CR4SHBE00HY2	10.0	25	75	10	₹ 11,928
CR4SHBE00HZ0	10.0	40	100	10	₹ 14,784
CR4SHBE00J00	12.0	30	75	12	₹ 15,453
CR4SHBE00J18	12.0	40	100	12	₹ 19,320
CR4SHBE00J26	14.0	40	100	14	₹ 25,098
CR4SHBE00J34	16.0	40	100	16	₹ 30,975
423180100-TN	18.0	40	100	18	₹ 40,458
423200100-TN	20.0	40	100	20	₹ 49,359

Series	321		Carbide 3X SUS-SERIES 4-Flute End Mills with CR			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-56
CR3AHCR00G8	3.0	12	50	4	R0.5	₹ 1,983
CR3AHCR00Z6	3.0	12	50	4	R1	₹ 1,983
CR3AHCR02A9	3.0	20	75	4	R0.5	₹ 2,241
CR3AHCR02B7	3.0	20	75	4	R1	₹ 2,241
CR3AHCR02C5	3.0	25	100	4	R0.5	₹ 2,769
CR3AHCR02D2	3.0	25	100	4	R1	₹ 2,769
CR3AHCR0115	4.0	16	50	4	R0.5	₹ 1,983
CR3AHCR03X7	4.0	20	75	4	R1	₹ 2,208
CR3AHCR0016	4.0	16	50	6	R0.5	₹ 2,751
CR3AHCR00L7	4.0	16	50	6	R1	₹ 2,751
CR3AHCR00T9	4.0	20	75	6	R0.5	₹ 3,417
CR3AHCR02E0	4.0	30	100	6	R0.5	₹ 4,395
CR3AHCR02F8	4.0	30	100	6	R1	₹ 4,395
CR3AHCR00F0	5.0	16	50	6	R0.5	₹ 2,829
CR3AHCR00H6	5.0	16	50	6	R1	₹ 2,829
CR3AHCR0024	6.0	16	50	6	R0.5	₹ 2,730
CR3AHCR00K9	6.0	16	50	6	R1	₹ 2,730
CR3AHCR0032	6.0	25	75	6	R0.5	₹ 3,525
CR3AHCR0107	6.0	25	75	6	R1	₹ 3,525
CR3AHCR02G6	6.0	35	100	6	R0.5	₹ 4,299
CR3AHCR02H4	6.0	35	100	6	R1	₹ 4,299
CR3AHCR00P8	8.0	20	60	8	R0.5	₹ 4,440
CR3AHCR0040	8.0	20	60	8	R1	₹ 4,440
CR3AHCR00N2	8.0	30	75	8	R0.5	₹ 4,983
CR3AHCR0057	8.0	30	75	8	R1	₹ 4,983
CR3AHCR00Q6	8.0	40	100	8	R0.5	₹ 6,348
CR3AHCR0065	8.0	40	100	8	R1	₹ 6,348
CR3AHCR00X0	8.5	25	60	10	R1.5	₹ 6,780
CR3AHCR00J1	10.0	30	75	10	R0.5	₹ 7,242
CR3AHCR0099	10.0	30	75	10	R1	₹ 7,242
CR3AHCR0073	10.0	30	75	10	R1.5	₹ 7,242
CR3AHCR00R4	10.0	40	100	10	R0.5	₹ 8,721
CR3AHCR00D4	10.0	40	100	10	R1	₹ 8,721
CR3AHCR0081	10.0	40	100	10	R1.5	₹ 8,721
CR3AHCR02P6	10.0	50	150	10	R1	₹ 12,744
CR3AHCR00M5	12.0	30	75	12	R0.5	₹ 9,276
CR3AHCR00B9	12.0	30	75	12	R1	₹ 9,276
CR3AHCR00A1	12.0	30	75	12	R1.5	₹ 9,276
CR3AHCR00S1	12.0	40	100	12	R0.5	₹ 11,715
CR3AHCR00E2	12.0	40	100	12	R1	₹ 11,715
CR3AHCR00C7	12.0	40	100	12	R1.5	₹ 11,715
CR3AHCR02Q4	12.0	50	150	12	R1	₹ 16,998
CR3AHCR0313	14.0	30	75	14	R2	₹ 13,224
CR3AHCR00U7	14.0	40	100	14	R2	₹ 16,980
CR3AHCR00Y8	16.0	40	100	16	R1	₹ 21,102
CR3AHCR00V5	16.0	40	100	16	R2	₹ 21,102
CR3AHCR02Z4	18.0	30	75	18	R2	₹ 21,750
CR3AHCR00W3	18.0	40	100	18	R2	₹ 26,370
CR3AHCR0123	20.0	50	100	20	R2	₹ 35,880

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Series	322		Carbide SUS High Performance 4-Flute End Mills		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3AHSE00LZ9	3.0	12	50	4	₹ 1,770
CR3AHSE00W26	3.0	20	75	4	₹ 1,995
CR3AHSE00W34	3.5	15	50	4	₹ 1,812
CR3AHSE00W42	4.0	15	50	4	₹ 1,461
CR3AHSE00M00	4.0	16	50	6	₹ 2,430
CR3AHSE00W59	4.0	25	75	4	₹ 1,938
CR3AHSE00PF9	4.0	20	75	6	₹ 3,162
CR3AHSE00W67	4.5	15	50	4.5	₹ 1,971
CR3AHSE00W75	4.5	25	75	4.5	₹ 2,757
CR3AHSE00W83	5.0	16	50	5	₹ 1,971
CR3AHSE00MK1	5.0	16	50	6	₹ 2,430
CR3AHSE00V50	5.0	25	75	5	₹ 2,811
CR3AHSE00W91	5.0	35	100	5	₹ 3,546
CR3AHSE00WA3	5.5	16	50	5.5	₹ 2,457
CR3AHSE00WB1	5.5	25	75	5.5	₹ 3,174
CR3AHSE00WC9	5.5	35	100	5.5	₹ 3,882
CR3AHSE00M18	6.0	16	50	6	₹ 2,457
CR3AHSE00WD6	6.0	20	60	6	₹ 2,757
CR3AHSE00M26	6.0	25	75	6	₹ 3,174
CR3AHSE00WE4	6.0	40	100	6	₹ 3,882
CR3AHSE00WR6	7.0	20	60	7	₹ 3,984
CR3AHSE00M34	8.0	20	60	8	₹ 4,194
CR3AHSE00M42	8.0	30	75	8	₹ 4,899
CR3AHSE00M59	8.0	40	100	8	₹ 6,156
CR3AHSE00M67	10.0	30	75	10	₹ 6,705
CR3AHSE00M75	10.0	40	100	10	₹ 8,616
CR3AHSE00WF2	10.0	60	150	10	₹ 13,164
CR3AHSE00WG0	11.0	30	75	11	₹ 8,781
CR3AHSE00M83	12.0	30	75	12	₹ 9,066
CR3AHSE00MA3	12.0	40	100	12	₹ 11,451
CR3AHSE00PM4	12.0	60	150	12	₹ 17,454
CR3AHSE00MB1	14.0	40	100	14	₹ 16,587
CR3AHSE00WQ8	16.0	30	75	16	₹ 15,807
CR3AHSE00MD6	16.0	50	100	16	₹ 20,055
CR3AHSE00WH8	16.0	75	150	16	₹ 27,906
CR3AHSE00MM7	18.0	40	100	18	₹ 25,065
CR3AHSE00ME4	20.0	50	100	20	₹ 34,098
CR3AHSE00WJ3	20.0	80	150	20	₹ 51,480

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Series	301		Carbide 3X HP-MICRO ENDMILLS		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3AHSE00XQ7	0.2	0.4	50	4	₹ 1,518
CR3AHSE00XR5	0.3	0.6	50	4	₹ 1,518
CR3AHSE00XS2	0.4	0.8	50	4	₹ 1,449
CR3AHSE00XT0	0.5	1.0	50	4	₹ 1,449
CR3AHSE00XU8	0.6	1.2	50	4	₹ 1,449
CR3AHSE00XV6	0.7	1.4	50	4	₹ 1,449
CR3AHSE00XW4	0.8	1.6	50	4	₹ 1,449
CR3AHSE00XX1	0.9	1.8	50	4	₹ 1,449

Series	304		Carbide 3X HP-MICRO BALLNOSE		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3AHBE00JS3	0.2	0.4	50	4	₹ 1,656
CR3AHBE00JT1	0.3	0.6	50	4	₹ 1,656
CR3AHBE00JU9	0.4	0.8	50	4	₹ 1,596
CR3AHBE00JV7	0.5	1.0	50	4	₹ 1,596
CR3AHBE00JW5	0.6	1.2	50	4	₹ 1,596
CR3AHBE00JX2	0.7	1.4	50	4	₹ 1,596
CR3AHBE00JY0	0.8	1.6	50	4	₹ 1,596
CR3AHBE00JZ8	0.9	1.8	50	4	₹ 1,596

Series	301		Carbide 3X Series 4-Flute End Mills upto 60HRC		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3AHSE00PA0	1.0	3	50	4	₹ 1,563
CR3AHSE00PB8	1.5	3	50	4	₹ 1,563
CR3AHSE00PC6	2.0	6	50	4	₹ 1,563
CR3AHSE00PD3	2.5	8	50	4	₹ 1,563
CR33HSE003A3	3.0	15	50	3	₹ 1,260
CR33HSE003C9	3.0	20	75	3	₹ 1,530
CR33HSE00FY1	3.0	25	100	3	₹ 1,920
CR33HSE003D6	4.0	14	50	4	₹ 1,491
CR33HSE003F2	4.0	20	75	4	₹ 1,719
CR33HSE00FN5	4.0	25	100	4	₹ 2,112
CR33HSE00HV6	4.0	50	150	4	₹ 3,663
CR33HSE003G0	5.0	16	50	5	₹ 1,992
CR33HSE003H8	5.0	20	75	5	₹ 2,400
CR33HSE00HH7	5.0	25	100	5	₹ 2,982
CR33HSE003J3	6.0	16	50	6	₹ 2,352
CR33HSE003K1	6.0	25	75	6	₹ 2,916
CR33HSE003L9	6.0	30	100	6	₹ 3,711
CR33HSE00FP1	6.0	50	150	6	₹ 5,748
CR3AHSE00W00	7.0	20	60	7	₹ 3,834
CR33HSE003M7	8.0	20	60	8	₹ 3,999
CR33HSE003N4	8.0	25	75	8	₹ 4,611
CR33HSE00G59	8.0	30	100	8	₹ 5,910
CR33HSE003P0	8.0	50	150	8	₹ 8,325
CR3AHSE00PG7	8.0	50	200	8	₹ 11,151
CR33HSE003R6	10.0	25	75	10	₹ 6,252
CR33HSE003S3	10.0	40	100	10	₹ 8,124
CR33HSE003T1	10.0	60	150	10	₹ 11,955
CR3AHSE00PH5	10.0	60	200	10	₹ 15,234
CR33HSE00CP4	12.0	25	75	12	₹ 8,559
CR33HSE003U9	12.0	40	100	12	₹ 11,133
CR33HSE003V7	12.0	60	150	12	₹ 16,392
CR3AHSE00T86	12.0	60	200	12	₹ 20,094
CR3AHSE00W18	14.0	35	75	14	₹ 11,019
CR33HSE00L54	14.0	40	100	14	₹ 14,913
CR3AHSE00SK5	14.0	50	100	14	₹ 14,913
CR3AHSE00R21	14.0	60	150	14	₹ 21,804
CR33HSE003X2	16.0	40	100	16	₹ 18,525
CR33HSE00HT0	16.0	60	150	16	₹ 27,189
CR3AHSE00VU0	18.0	40	100	18	₹ 24,006
CR33HSE00L47	20.0	40	100	20	₹ 32,499
CR3AHSE00R39	20.0	60	150	20	₹ 48,042
CR3AHSE00UT3	22.0	50	100	22	₹ 42,333
CR3AHSE00VV8	25.0	50	100	25	₹ 52,782

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Series	302		Carbide 3X Series 4-Flute Ball Nose upto 60HRC		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR33HBE00364	3.0	15	50	3	₹ 1,524
CR33HBE00AM0	3.0	20	75	3	₹ 1,788
CR33HBE00BV9	4.0	14	50	4	₹ 1,686
CR33HBE00AN7	4.0	20	75	4	₹ 1,896
CR33HBE00AY3	4.0	25	100	4	₹ 2,415
CR3AHBE00LL7	4.5	15	50	4.5	₹ 2,625
CR33HBE00C50	5.0	16	50	5	₹ 2,325
CR33HBE00BU1	5.0	20	75	5	₹ 2,706
CR33HBE00DX2	5.0	25	100	5	₹ 3,345
CR3AHBE00LK9	5.5	15	50	5.5	₹ 2,964
CR33HBE00BW7	6.0	16	50	6	₹ 2,622
CR33HBE00372	6.0	25	75	6	₹ 3,231
CR33HBE00BB3	6.0	30	100	6	₹ 4,170
CR33HBE00CA4	6.0	50	150	6	₹ 5,892
CR3AHBE00JK1	6.5	16	50	6.5	₹ 3,618
CR3AHBE00JM7	7.0	20	60	7	₹ 4,083
CR33HBE00C92	8.0	20	60	8	₹ 4,413
CR33HBE00380	8.0	25	75	8	₹ 5,043
CR33HBE00B36	8.0	30	100	8	₹ 6,198
CR33HBE00C84	8.0	50	150	8	₹ 8,664
CR33HBE00BY2	10.0	25	75	10	₹ 6,972
CR33HBE00398	10.0	40	100	10	₹ 8,667
CR33HBE00B44	10.0	60	150	10	₹ 12,435
CR33HBE00AH1	12.0	25	75	12	₹ 9,174
CR33HBE00CB2	12.0	40	100	12	₹ 11,502
CR33HBE00CC0	12.0	60	150	12	₹ 16,611
CR3AHBE00L73	14.0	30	75	14	₹ 12,180
CR3AHBE00FT5	14.0	40	100	14	₹ 15,375
CR3AHBE00LD4	16.0	30	75	16	₹ 16,455
CR33HBE003A0	16.0	40	100	16	₹ 19,359
CR3AHBE00F04	16.0	60	150	16	₹ 27,099
CR3AHBE00L81	20.0	30	75	20	₹ 28,836
CR3AHBE00G03	20.0	40	100	20	₹ 35,853
CR3AHBE00F12	20.0	60	150	20	₹ 51,876

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Series	304		Carbide 3X series 2-Flute Ball Nose upto 60HRc		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR33HBE008R8	1.0	3	50	4	₹ 1,821
CR3AHBE00E39	1.5	3	50	4	₹ 1,821
CR3AHBE00E47	2.0	4	50	4	₹ 1,821
CR3AHBE00E54	2.5	5	50	4	₹ 1,821
CR33HBE00BR8	3.0	15	50	3	₹ 1,524
CR33HBE00AT4	3.0	20	75	3	₹ 1,788
CR33HBE00B51	3.0	25	100	3	₹ 2,415
CR33HBE00315	4.0	14	50	4	₹ 1,686
CR33HBE00AU2	4.0	20	75	4	₹ 1,896
CR33HBE00B69	4.0	25	100	4	₹ 2,415
CR33HBE00E09	5.0	16	50	5	₹ 2,325
CR33HBE00C43	5.0	20	75	5	₹ 2,706
CR33HBE00B93	6.0	16	50	6	₹ 2,622
CR33HBE00323	6.0	25	75	6	₹ 3,231
CR33HBE00331	6.0	30	100	6	₹ 4,170
CR33HBE00BX4	6.0	50	150	6	₹ 5,892
CR33HBE00BA5	8.0	20	60	8	₹ 4,413
CR33HBE00BH0	8.0	25	75	8	₹ 5,043
CR33HBE00B85	8.0	30	100	8	₹ 6,198
CR33HBE00349	8.0	50	150	8	₹ 8,664
CR33HBE00356	10.0	25	75	10	₹ 6,972
CR33HBE00B77	10.0	40	100	10	₹ 8,667
CR33HBE009M8	10.0	60	150	10	₹ 12,435
CR33HBE009N5	12.0	25	75	12	₹ 9,174
CR33HBE00BP2	12.0	40	100	12	₹ 11,502
CR33HBE009Q9	12.0	60	150	12	₹ 16,611

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Series	305		Carbide 2F Rib Processing End Mills upto 60HRC				
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Reach Length (L3)	Neck Diameter (D3)	PL-56
CR3AHSE00QW1	1.0	2.0	50	4	6	0.95	₹ 2,148
CR3AHSE00QX8	1.0	2.0	50	4	10	0.95	₹ 2,226
CR3AHSE00PN1	1.5	2.5	50	4	6	1.45	₹ 1,788
CR3AHSE00PP7	1.5	2.5	50	4	10	1.45	₹ 1,812
CR3AHSE00QY6	1.5	2.5	50	4	20	1.45	₹ 2,070
CR3AHSE00PQ5	2.0	3.0	50	4	8	1.95	₹ 1,713
CR3AHSE00PR3	2.0	3.0	50	4	12	1.95	₹ 1,731
CR3AHSE00PS0	2.0	3.0	50	4	16	1.95	₹ 1,899
CR3AHSE00PT8	2.0	3.0	50	4	20	1.95	₹ 1,899
CR3AHSE00PU6	2.5	4.0	50	4	8	2.40	₹ 1,713
CR3AHSE00PV4	2.5	4.0	50	4	12	2.40	₹ 1,731
CR3AHSE00PW2	2.5	4.0	50	4	16	2.40	₹ 1,899
CR3AHSE00PX9	2.5	4.0	50	4	20	2.40	₹ 1,899
CR3AHSE00PY7	3.0	5.0	50	6	8	2.85	₹ 2,640
CR3AHSE00PZ5	3.0	5.0	50	6	12	2.85	₹ 2,625
CR3AHSE00Q06	3.0	5.0	60	6	16	2.85	₹ 2,940
CR3AHSE00Q14	3.0	5.0	60	6	20	2.85	₹ 3,072
CR3AHSE00Q22	3.0	5.0	75	6	25	2.85	₹ 3,375
CR3AHSE00Q30	4.0	6.0	50	6	12	3.85	₹ 2,640
CR3AHSE00Q48	4.0	6.0	60	6	16	3.85	₹ 2,949
CR3AHSE00Q55	4.0	6.0	75	6	20	3.85	₹ 3,144
CR3AHSE00Q63	4.0	6.0	75	6	25	3.85	₹ 3,144
CR3AHSE00Q71	4.0	6.0	75	6	30	3.85	₹ 3,375
CR3AHSE00Q89	4.0	6.0	75	6	35	3.85	₹ 3,492

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Series	306		Carbide 2F Rib Processing Ball Nose upto 60HRc				
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Reach Length (L3)	Neck Diameter (D3)	PL-56
CR3AHBE00EV2	1.0	2.0	50	4	6	0.95	₹ 2,307
CR3AHBE00EW0	1.0	2.0	50	4	10	0.95	₹ 2,385
CR3AHBE00E88	1.5	2.5	50	4	6	1.45	₹ 2,076
CR3AHBE00E96	1.5	2.5	50	4	10	1.45	₹ 2,166
CR3AHBE00EX7	1.5	2.5	50	4	20	1.45	₹ 2,253
CR3AHBE00EA8	2.0	3.0	50	4	8	1.95	₹ 1,983
CR3AHBE00EB6	2.0	3.0	50	4	12	1.95	₹ 2,070
CR3AHBE00EC4	2.0	3.0	50	4	16	1.95	₹ 2,253
CR3AHBE00ED1	2.0	3.0	50	4	20	1.95	₹ 2,253
CR3AHBE00EE9	2.5	4.0	50	4	8	2.40	₹ 1,983
CR3AHBE00EF7	2.5	4.0	50	4	12	2.40	₹ 2,070
CR3AHBE00EG5	2.5	4.0	50	4	16	2.40	₹ 2,253
CR3AHBE00EH3	2.5	4.0	50	4	20	2.40	₹ 2,253
CR3AHBE00EJ8	3.0	5.0	50	6	8	2.85	₹ 2,865
CR3AHBE00EK6	3.0	5.0	50	6	12	2.85	₹ 2,961
CR3AHBE00EL4	3.0	5.0	60	6	16	2.85	₹ 3,342
CR3AHBE00EM2	3.0	5.0	60	6	20	2.85	₹ 3,492
CR3AHBE00EN9	3.0	5.0	75	6	25	2.85	₹ 3,792
CR3AHBE00EP5	4.0	6.0	50	6	12	3.85	₹ 2,865
CR3AHBE00EQ3	4.0	6.0	60	6	16	3.85	₹ 3,231
CR3AHBE00ER1	4.0	6.0	75	6	20	3.85	₹ 3,546
CR3AHBE00ES8	4.0	6.0	75	6	25	3.85	₹ 3,546
CR3AHBE00ET6	4.0	6.0	75	6	30	3.85	₹ 3,792
CR3AHBE00EU4	4.0	6.0	75	6	35	3.85	₹ 3,915

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Series	307		Carbide 3X Series 2-Flute Ball Nose with Taper Neck upto 60HRc							

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Item Code	R	Flute Diameter (D1)	Flute Length (L1)	L4	Reach Length (L3)	Overall Length (L2)	Shank Diameter (D2)	Neck Diameter (D3)	Neck Taper Angle (α)	PL-56
CR3AHBE00L24	0.5	1	2	4	41	75	6	5.3	3°	₹ 4,308
CR3AHBE00J42	1	2	4	6	23	60	6	2.9	1°30'	₹ 3,021
CR3AHBE00J59	1	2	4	6	23	60	6	5	5°	₹ 3,021
CR3AHBE00J67	1	2	4	6	41	80	6	5.7	3°	₹ 3,525
CR3AHBE00G37	1.5	3	6	8	32	75	6	5.6	3°	₹ 3,525
CR3AHBE00J75	1.5	3	6	8	52	90	6	5.3	1°30'	₹ 4,371
CR3AHBE00G45	2	4	8	10	28	75	6	6	3°	₹ 3,462
CR3AHBE00J83	2	4	8	10	49	90	6	6	1°30'	₹ 4,230
CR3AHBE00J91	2.5	5	10	12	41	80	8	8	3°	₹ 5,529
CR3AHBE00JA3	2.5	5	10	12	51	100	8	7	1°30'	₹ 6,756
CR3AHBE00G60	3	6	12	15	34	80	8	8	3°	₹ 5,502
CR3AHBE00G52	3	6	12	15	53	100	8	8	1°30'	₹ 6,858
CR3AHBE00JB1	4	8	14	17	36	80	10	10	3°	₹ 7,773
CR3AHBE00JC9	4	8	14	17	55	100	10	10	1°30'	₹ 9,681
CR3AHBE00JD6	5	10	18	21	40	80	12	12	3°	₹ 10,080
CR3AHBE00JE4	5	10	18	21	59	100	12	12	1°30'	₹ 12,759
CR3AHBE00JF2	6	12	22	25	63	110	16	16	3°	₹ 21,393
CR3AHBE00JG0	6	12	22	25	83	150	16	15	1°30'	₹ 29,007

Series	308		Carbide 3X Series 6-Flute Radius End Mills			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-56
308060075R0.5-N	6	25	75	6	R0.5	₹ 3,399
308060075R1.0-N	6	25	75	6	R1.0	₹ 3,399
308080075R0.5-N	8	25	75	8	R0.5	₹ 5,181
308080075R1.0-N	8	25	75	8	R1.0	₹ 5,181
308080075R1.5-N	8	25	75	8	R1.5	₹ 5,181
308100075R0.5-N	10	30	75	10	R0.5	₹ 7,587
308100075R1.0-N	10	30	75	10	R1.0	₹ 7,587
308100075R1.5-N	10	30	75	10	R1.5	₹ 7,587
308120075R1.0-N	12	30	75	12	R1.0	₹ 10,221
308120075R1.5-N	12	30	75	12	R1.5	₹ 10,221
308120075R2.0-N	12	30	75	12	R2.0	₹ 10,221
308160100R1.0-N	16	40	100	16	R1.0	₹ 22,197
308160100R2.0-N	16	40	100	16	R2.0	₹ 22,197
308160100R3.0-N	16	40	100	16	R3.0	₹ 22,197
308180100R1.0-N	18	40	100	18	R1.0	₹ 30,417
308180100R2.0-N	18	40	100	18	R2.0	₹ 30,417
308180100R3.0-N	18	40	100	18	R3.0	₹ 30,417
308200100R1.0-N	20	40	100	20	R1.0	₹ 39,339
308200100R2.0-N	20	40	100	20	R2.0	₹ 39,339
308200100R3.0-N	20	40	100	20	R3.0	₹ 39,339

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Series	309		Carbide 3X Taper End Mills AL-PRO Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A°)	PL-56
30903006080-2°	3	42	80	6	2°	₹ 4,332
30905008080-2°	5	42	80	8	2°	₹ 5,874
30907010080-2°	7	42	80	10	2°	₹ 8,862
30909012080-2°	9	42	80	12	2°	₹ 11,232
30902506080-3°	2.5	32	80	6	3°	₹ 4,923
30903008080-3°	3	48	80	8	3°	₹ 5,874
30904008080-3°	4	38	80	8	3°	₹ 5,874
30906010080-3°	6	38	80	10	3°	₹ 8,862
30908014105-3°	8	56	105	14	3°	₹ 18,798
30902506063-5°	2.5	20	63	6	5°	₹ 4,062
30903008080-5°	3	28	80	8	5°	₹ 5,874
30904010080-5°	4	34	80	10	5°	₹ 8,862
30906012090-5°	6	34	90	12	5°	₹ 13,989
30908016100-5°	8	45	100	16	5°	₹ 23,313
30910020105-5°	10	56	105	20	5°	₹ 36,645

Series	310		Carbide 3X Taper Ball Nose AL-PRO Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A°)	PL-56
31003006080-2°	3	42	80	6	2°	₹ 5,286
31005008080-2°	5	42	80	8	2°	₹ 7,584
31007010080-2°	7	42	80	10	2°	₹ 10,431
31009012080-2°	9	42	80	12	2°	₹ 12,990
31003008080-3°	3	48	80	8	3°	₹ 7,890
31004008080-3°	4	38	80	8	3°	₹ 7,890
31006010080-3°	6	38	80	10	3°	₹ 10,431
31008014105-3°	8	56	105	14	3°	₹ 21,396
31003008080-5°	3	28	80	8	5°	₹ 7,890
31004010080-5°	4	34	80	10	5°	₹ 10,431
31006012090-5°	6	34	90	12	5°	₹ 16,293
31008016100-5°	8	45	100	16	5°	₹ 24,981
31010020105-5°	10	56	105	20	5°	₹ 43,305

Series	311		Carbide 3X 2-Flute High Helix End Mill (without Coating)		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3XHSE00WS0	1.0	4	50	3	₹ 1,380
CR3XHSE00WW2	1.5	4	50	3	₹ 1,380
CR3XHSE00WX9	2.0	6	50	4	₹ 1,437
CR3XHSE00WY7	2.5	8	50	4	₹ 1,437
CR3XHSE00WZ5	3.0	12	50	3	₹ 1,209
CR3XHSE00X06	4.0	14	50	4	₹ 1,305
CR3XHSE00X14	4.0	25	75	4	₹ 1,716
CR3XHSE00X22	4.0	30	100	4	₹ 2,022
CR3XHSE00X30	5.0	16	50	5	₹ 1,947
CR3XHSE00X48	5.0	25	75	5	₹ 2,415
CR3XHSE00X55	5.0	35	100	5	₹ 2,811
CR3XHSE00X63	6.0	18	50	6	₹ 2,199
CR3XHSE00X71	6.0	30	75	6	₹ 2,880
CR3XHSE00X89	6.0	35	100	6	₹ 3,582
CR3XHSE00X97	8.0	20	60	8	₹ 3,816
CR3XHSE00XA9	8.0	30	75	8	₹ 4,491
CR3XHSE00XB7	8.0	40	100	8	₹ 5,592
CR3XHSE00XC5	10.0	30	75	10	₹ 6,348
CR3XHSE00XD2	10.0	50	100	10	₹ 8,259
CR3XHSE010F6	10.0	75	150	10	₹ 12,615
CR3XHSE00XE0	12.0	30	75	12	₹ 8,934
CR3XHSE00XF8	12.0	50	100	12	₹ 12,072
CR3XHSE00XG6	14.0	50	100	14	₹ 15,648
CR3XHSE00XH4	16.0	50	100	16	₹ 20,223
CR3XHSE00XJ9	20.0	50	100	20	₹ 32,235
CR3XHSE00Z61	20.0	80	150	20	₹ 48,345

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Series	311		Carbide 3X ALU-IRIS Coated 2-Flute High Helix End Mill for AL & AL Alloys		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3MHSE00XK8	1.0	4	50	3	₹ 1,641
CR3MHSE00Z70	1.5	4	50	3	₹ 1,641
CR3MHSE00XM4	2.0	6	50	4	₹ 1,677
CR3MHSE00Z88	2.5	8	50	4	₹ 1,677
CR3MHSE00XP7	3.0	12	50	3	₹ 1,410
CR3MHSE00Z96	4.0	14	50	4	₹ 1,518
CR3MHSE00ZA8	4.0	25	75	4	₹ 1,899
CR3MHSE00ZB6	4.0	30	100	4	₹ 2,361
CR3MHSE00ZC4	5.0	16	50	5	₹ 2,154
CR3MHSE00ZD1	5.0	25	75	5	₹ 2,646
CR3MHSE00ZE9	5.0	35	100	5	₹ 3,234
CR3MHSE00ZF7	6.0	18	50	6	₹ 2,529
CR3MHSE00ZG5	6.0	30	75	6	₹ 3,102
CR3MHSE00ZH3	6.0	35	100	6	₹ 3,861
CR3MHSE00ZJ8	8.0	20	60	8	₹ 4,236
CR3MHSE00ZK6	8.0	30	75	8	₹ 4,899
CR3MHSE00ZL4	8.0	40	100	8	₹ 6,078
CR3MHSE00ZM2	10.0	30	75	10	₹ 6,897
CR3MHSE00ZN9	10.0	50	100	10	₹ 8,946
CR3MHSE00ZP5	12.0	30	75	12	₹ 9,681
CR3MHSE00ZQ3	12.0	50	100	12	₹ 13,044
CR3MHSE00ZR1	14.0	50	100	14	₹ 17,319
CR3MHSE00ZS8	16.0	50	100	16	₹ 21,840
CR3MHSE00ZT6	20.0	50	100	20	₹ 34,815

Series	312		Carbide 3X 2-Flute High Helix Ball Nose for AL & AL-Alloys (without Coating)		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3XHBE00JQ5	3.0	12	50	3	₹ 1,305
CR3XHBE00K06	4.0	14	50	4	₹ 1,467
CR3XHBE00K14	4.0	25	75	4	₹ 1,941
CR3XHBE00K22	4.0	30	100	4	₹ 2,517
CR3XHBE00K30	5.0	16	50	5	₹ 2,079
CR3XHBE00K48	5.0	25	75	5	₹ 2,724
CR3XHBE00K55	5.0	35	100	5	₹ 3,330
CR3XHBE00K63	6.0	18	50	6	₹ 2,475
CR3XHBE00K71	6.0	30	75	6	₹ 3,066
CR3XHBE00K89	6.0	35	100	6	₹ 3,828
CR3XHBE00K97	8.0	20	60	8	₹ 4,188
CR3XHBE00KA9	8.0	30	75	8	₹ 4,755
CR3XHBE00KB7	8.0	40	100	8	₹ 6,336
CR3XHBE00KC5	10.0	30	75	10	₹ 7,452
CR3XHBE00KD2	10.0	50	100	10	₹ 9,318
CR3XHBE00KE0	12.0	30	75	12	₹ 10,494
CR3XHBE00KF8	12.0	50	100	12	₹ 13,710
CR3XHBE00L05	14.0	50	100	14	₹ 17,121
CR3XHBE00L13	16.0	50	100	16	₹ 21,921

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Series	312		Carbide 3X 2-Flute High Helix ALU-IRIS Coated Ball Nose for AL & AL-Alloys		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3MHBE00JR4	3	12	50	3	₹ 1,518
CR3MHBE00KG7	4	14	50	4	₹ 1,713
CR3MHBE00KH5	4	25	75	4	₹ 2,265
CR3MHBE00KJ0	4	30	100	4	₹ 2,937
CR3MHBE00KK8	5	16	50	5	₹ 2,424
CR3MHBE00KL6	5	25	75	5	₹ 3,132
CR3MHBE00KM4	5	35	100	5	₹ 3,834
CR3MHBE00KN1	6	18	50	6	₹ 2,847
CR3MHBE00KP7	6	30	75	6	₹ 3,504
CR3MHBE00KQ5	6	35	100	6	₹ 4,557
CR3MHBE00KR3	8	20	60	8	₹ 4,785
CR3MHBE00KS0	8	30	75	8	₹ 5,709
CR3MHBE00KT8	8	40	100	8	₹ 6,885
CR3MHBE00KU6	10	30	75	10	₹ 7,776
CR3MHBE00KV4	10	50	100	10	₹ 9,723
CR3MHBE00KW2	12	30	75	12	₹ 11,367
CR3MHBE00KX9	12	50	100	12	₹ 14,853
CR3MHBE00KY7	14	50	100	14	₹ 18,012
CR3MHBE00KZ5	16	50	100	16	₹ 22,716

Series	313		Carbide 3X 3-Flute High Helix End Mill (without Coating)		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3XHSE00WU6	2.0	6	50	4	₹ 1,512
CR3XHSE00XY6	3.0	12	50	3	₹ 1,272
CR3XHSE00Y05	4.0	14	50	4	₹ 1,368
CR3XHSE00Y21	4.0	25	75	4	₹ 1,710
CR3XHSE00Y47	4.0	30	100	4	₹ 2,127
CR3XHSE00Y62	5.0	16	50	5	₹ 1,941
CR3XHSE00Y88	5.0	25	75	5	₹ 2,415
CR3XHSE00YA8	5.0	35	100	5	₹ 2,895
CR3XHSE00YC4	6.0	18	50	6	₹ 2,310
CR3XHSE00YE9	6.0	30	75	6	₹ 2,943
CR3XHSE00YG5	6.0	35	100	6	₹ 3,663
CR3XHSE00YJ8	8.0	20	60	8	₹ 3,966
CR3XHSE00YL4	8.0	30	75	8	₹ 4,629
CR3XHSE00YN9	8.0	40	100	8	₹ 5,718
CR3XHSE00YQ3	10.0	30	75	10	₹ 6,666
CR3XHSE00YS8	10.0	50	100	10	₹ 8,526
CR3XHSE00YU4	12.0	30	75	12	₹ 9,384
CR3XHSE00YW0	12.0	50	100	12	₹ 12,375
CR3XHSE00Z46	12.0	75	150	12	₹ 18,081
CR3XHSE00YY5	14.0	50	100	14	₹ 16,437
CR3XHSE00Z04	16.0	50	100	16	₹ 20,388
CR3XHSE00Z20	20.0	50	100	20	₹ 33,039
CR3XHSE00Z53	20.0	80	150	20	₹ 49,500

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Series	313		Carbide 3X 3-Flute High Helix ALU-IRIS Coated Endmill for AL & AL-Alloys		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CR3MHSE00WV5	2	6	50	4	₹ 1,764
CR3MHSE00XZ5	3	12	50	3	₹ 1,482
CR3MHSE00Y14	4	14	50	4	₹ 1,596
CR3MHSE00Y30	4	25	75	4	₹ 1,995
CR3MHSE00Y55	4	30	100	4	₹ 2,481
CR3MHSE00Y71	5	16	50	5	₹ 2,262
CR3MHSE00Y97	5	25	75	5	₹ 2,781
CR3MHSE00YB7	5	35	100	5	₹ 3,399
CR3MHSE00YD2	6	18	50	6	₹ 2,661
CR3MHSE00YF8	6	30	75	6	₹ 3,261
CR3MHSE00YH4	6	35	100	6	₹ 4,062
CR3MHSE00YK7	8	20	60	8	₹ 4,449
CR3MHSE00YM3	8	30	75	8	₹ 5,142
CR3MHSE00YP6	8	40	100	8	₹ 6,381
CR3MHSE00YR2	10	30	75	10	₹ 7,245
CR3MHSE00YT7	10	50	100	10	₹ 9,396
CR3MHSE00YV3	12	30	75	12	₹ 10,167
CR3MHSE00YX8	12	50	100	12	₹ 13,695
CR3MHSE00YZ4	14	50	100	14	₹ 17,511
CR3MHSE00Z13	16	50	100	16	₹ 22,086
CR3MHSE01070	16	75	150	16	₹ 35,586
CR3MHSE00Z39	20	50	100	20	₹ 35,202

Series	315		Carbide 3X Chamfer Endmill AL-PRO Coated				

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Ordering Code	Angle (°)	Tip Dia. (D1)	Flute Length (L1)	Overall Length (L2)	Shank Dia. (D2)	# NO. OF FLUTE	PL-56
31503005060°-A	60°	0.2	2.4	50	3	2	₹ 996
31504005060°-A	60°	0.2	3.3	50	4	3	₹ 1,224
31505005060°-A	60°	0.2	4.2	50	5	3	₹ 1,656
31506005060°-A	60°	0.2	5.0	50	6	3	₹ 2,067
31508006060°-A	60°	0.3	6.7	60	8	3	₹ 3,840
31510007560°-A	60°	1.0	7.8	75	10	4	₹ 6,480
31512007560°-A	60°	1.0	9.5	75	12	4	₹ 9,528
31516009060°-A	60°	1.5	12.6	90	16	4	₹ 20,955
31503005090°-A	90°	0.2	1.4	50	3	2	₹ 996
31504005090°-A	90°	0.2	1.9	50	4	3	₹ 1,224
31505005090°-A	90°	0.2	2.4	50	5	3	₹ 1,656
31506005090°-A	90°	0.2	2.9	50	6	3	₹ 2,067
31508006090°-A	90°	0.3	3.9	60	8	3	₹ 3,840
31510007590°-A	90°	1.0	4.5	75	10	4	₹ 6,480
31512007590°-A	90°	1.0	5.5	75	12	4	₹ 9,528
31516009090°-A	90°	1.5	7.3	90	16	4	₹ 20,955

Series	121		Carbide 4F Radius End Mills with NOVA Coating up to 45HRc			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	CR	PL-56
CR0AGCR0135	3.0	14	50	3	R0.5	₹ 834
CR0AGCR0150	3.0	25	75	3	R0.5	₹ 1,245
CR0AGCR02J3	3.0	30	100	3	R0.5	₹ 1,572
CR0AGCR0143	3.0	14	50	3	R1.0	₹ 834
CR0AGCR02K1	3.0	25	75	3	R1.0	₹ 1,245
CR0AGCR02L9	3.0	30	100	3	R1.0	₹ 1,572
CR0AGCR0168	4.0	14	50	4	R0.5	₹ 969
CR0AGCR0184	4.0	25	75	4	R0.5	₹ 1,446
CR0AGCR0192	4.0	30	100	4	R0.5	₹ 1,827
CR0AGCR0176	4.0	14	50	4	R1.0	₹ 969
CR0AGCR02M7	4.0	25	75	4	R1.0	₹ 1,446
CR0AGCR02N4	4.0	30	100	4	R1.0	₹ 1,827
CR0AGCR01A4	5.0	16	50	5	R0.5	₹ 1,305
CR0AGCR01B2	5.0	25	75	5	R0.5	₹ 1,926
CR0AGCR01C0	5.0	40	100	5	R0.5	₹ 2,568
CR0AGCR01D7	6.0	18	50	6	R0.5	₹ 1,623
CR0AGCR01F3	6.0	30	75	6	R0.5	₹ 2,154
CR0AGCR01H9	6.0	40	100	6	R0.5	₹ 2,778
CR0AGCR01E5	6.0	18	50	6	R1.0	₹ 1,623
CR0AGCR01G1	6.0	30	75	6	R1.0	₹ 2,154
CR0AGCR01J4	6.0	40	100	6	R1.0	₹ 2,778
CR0AGCR03L8	6.0	40	150	6	R1.0	₹ 4,026
CR0AGCR01K2	8.0	20	60	8	R0.5	₹ 2,724
CR0AGCR01M8	8.0	30	75	8	R0.5	₹ 3,327
CR0AGCR01P1	8.0	40	100	8	R0.5	₹ 4,245
CR0AGCR01R7	8.0	50	150	8	R0.5	₹ 6,675
CR0AGCR01L0	8.0	20	60	8	R1.0	₹ 2,724
CR0AGCR01N5	8.0	30	75	8	R1.0	₹ 3,327
CR0AGCR01Q9	8.0	40	100	8	R1.0	₹ 4,245
CR0AGCR03M6	8.0	50	150	8	R1.0	₹ 6,675
CR0AGCR01S4	10.0	30	75	10	R0.5	₹ 4,386
CR0AGCR01U0	10.0	50	100	10	R0.5	₹ 6,036
CR0AGCR01W6	10.0	60	150	10	R0.5	₹ 9,030
CR0AGCR01T2	10.0	30	75	10	R1.0	₹ 4,386
CR0AGCR01V8	10.0	50	100	10	R1.0	₹ 6,036
CR0AGCR03N3	10.0	60	150	10	R0.5	₹ 9,030
CR0AGCR01X3	12.0	30	75	12	R0.5	₹ 6,132
CR0AGCR01Z9	12.0	50	100	12	R0.5	₹ 8,130
CR0AGCR0226	12.0	60	150	12	R0.5	₹ 11,919
CR0AGCR01Y1	12.0	30	75	12	R1.0	₹ 6,132
CR0AGCR0200	12.0	50	100	12	R1.0	₹ 8,130
CR0AGCR0283	12.0	60	150	12	R1.0	₹ 11,919
CR0AGCR0218	12.0	50	100	12	R2.0	₹ 8,526
CR0AGCR0234	14.0	50	100	14	R1.0	₹ 11,640
CR0AGCR0242	16.0	50	100	16	R1.0	₹ 13,941
CR0AGCR0366	16.0	50	100	16	R1.5	₹ 14,100
CR0AGCR0259	16.0	60	150	16	R1.0	₹ 21,174
CR0AGCR0291	16.0	60	200	16	R1.0	₹ 25,359
CR0AGCR0267	18.0	50	100	18	R1.0	₹ 18,147
CR0AGCR0275	20.0	50	100	20	R1.0	₹ 21,792

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Series	122		Carbide 4F Flat End Mills with NOVA Coating up to 45HRc			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	# of Flutes	PL-56
CR0AGSE00UW5	1.0	3	50	4	4	₹ 486
CR0AGSE00UX2	1.5	4.5	50	4	4	₹ 486
CR0AGSE00UY0	2.0	6	50	4	4	₹ 486
CR0AGSE00UZ8	2.5	7	50	4	4	₹ 486
CR0AGSE00V66	3.0	9	50	4	4	₹ 486
CR0AGSE00TJ4	3.0	14	50	3	4	₹ 702
CR0AGSE00WM5	3.0	20	60	3	4	₹ 852
CR0AGSE00TK2	3.0	25	75	3	4	₹ 1,041
CR0AGSE00V09	3.0	30	100	3	4	₹ 1,293
CR0AGSE00TL0	3.5	14	50	3.5	4	₹ 858
CR0AGSE00TM8	4.0	14	50	4	4	₹ 819
CR0AGSE00WN2	4.0	20	60	4	4	₹ 981
CR0AGSE00TN5	4.0	25	75	4	4	₹ 1,155
CR0AGSE00TP1	4.0	30	100	4	4	₹ 1,533
CR0AGSE00TQ9	4.5	16	50	4.5	4	₹ 1,092
CR0AGSE00TR7	4.5	25	75	4.5	4	₹ 1,614
CR0AGSE00TS4	5.0	16	50	5	4	₹ 1,092
CR0AGSE00WL7	5.0	20	60	5	4	₹ 1,371
CR0AGSE00TT2	5.0	25	75	5	4	₹ 1,614
CR0AGSE00TU0	5.0	40	100	5	4	₹ 2,154
CR0AGSE010K6	5.0	40	150	5	4	₹ 3,156
CR0AGSE00TV8	5.5	18	50	5.5	4	₹ 1,410
CR0AGSE00TW6	5.5	30	75	5.5	4	₹ 1,977
CR0AGSE00TX3	5.5	40	100	5.5	4	₹ 2,547
CR0AGSE00TY1	6.0	18	50	6	4	₹ 1,410
CR0AGSE00TZ9	6.0	30	75	6	4	₹ 1,977
CR0AGSE00U00	6.0	40	100	6	4	₹ 2,547
CR0AGSE00V17	6.0	50	150	6	4	₹ 3,726
CR0AGSE00U18	6.5	20	60	6.5	4	₹ 2,391
CR0AGSE00U26	7.0	20	60	7	4	₹ 2,391
CR0AGSE00U34	8.0	20	60	8	4	₹ 2,502
CR0AGSE00U42	8.0	30	75	8	4	₹ 3,051
CR0AGSE00U59	8.0	40	100	8	4	₹ 3,906
CR0AGSE00U67	8.0	60	150	8	4	₹ 6,075
CR0AGSE00VW4	8.0	60	200	8	4	₹ 8,079
CR0AGSE00U75	9.0	30	75	9	4	₹ 3,960
CR0AGSE00U83	10.0	30	75	10	4	₹ 4,212
CR0AGSE00U91	10.0	50	100	10	4	₹ 5,556
CR0AGSE00UA3	10.0	60	150	10	4	₹ 8,280
CR0AGSE00VX1	10.0	60	200	10	4	₹ 10,758
CR0AGSE00WK9	11.0	30	75	11	4	₹ 5,265
CR0AGSE00UB1	12.0	30	75	12	4	₹ 5,793
CR0AGSE00UC9	12.0	50	100	12	4	₹ 7,659
CR0AGSE00UD6	12.0	60	150	12	4	₹ 11,232
CR0AGSE00VY9	12.0	60	200	12	4	₹ 14,007
CR0AGSE00WP8	14.0	30	75	14	4	₹ 8,415
CR0AGSE00UE4	14.0	50	100	14	4	₹ 11,130
CR0AGSE00VZ7	14.0	60	150	14	4	₹ 16,263
CR0AGSE00VT0	16.0	30	75	16	4	₹ 10,788
CR0AGSE00UF2	16.0	50	100	16	4	₹ 13,635
CR0AGSE00UG0	16.0	60	150	16	4	₹ 19,713
CR0AGSE00V82	16.0	60	200	16	4	₹ 23,940
CR0AGSE00UH8	18.0	50	100	18	4	₹ 17,496
CR0AGSE00WT9	18.0	75	150	18	4	₹ 26,400
CR0AGSE00UJ3	20.0	50	100	20	4	₹ 21,015
CR0AGSE00V25	20.0	80	150	20	4	₹ 30,726

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Series	123		Carbide Ball Nose with NOVA Coating up to 45HRc			

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	# of Flutes	PL-56
CR0ABE00G78	1.0	2	50	4	2	₹ 624
CR0ABE00G86	1.5	3	50	4	2	₹ 624
CR0ABE00G94	2.0	4	50	4	2	₹ 624
CR0ABE00GA6	2.5	5	50	4	2	₹ 624
CR0AGBE00H59	3.0	6	50	4	2	₹ 624
CR0ABE00GB4	3.0	14	50	3	4	₹ 777
CR0ABE00GC2	3.0	25	75	3	4	₹ 1,098
CR0ABE00GD9	3.0	30	100	3	4	₹ 1,446
CR0ABE00GE7	4.0	14	50	4	4	₹ 882
CR0AGBE00JN2	4.0	20	60	4	4	₹ 1,065
CR0ABE00GF5	4.0	25	75	4	4	₹ 1,233
CR0ABE00GG3	4.0	30	100	4	4	₹ 1,635
CR0AGBE00JH6	4.5	14	50	4.5	4	₹ 1,218
CR0ABE00GH1	5.0	16	50	5	4	₹ 1,218
CR0ABE00GJ6	5.0	25	75	5	4	₹ 1,758
CR0ABE00GK4	5.0	35	100	5	4	₹ 2,256
CR0AGBE00JJ1	5.5	16	50	5.5	4	₹ 1,524
CR0ABE00GL2	6.0	18	50	6	4	₹ 1,524
CR0ABE00GM0	6.0	30	75	6	4	₹ 2,079
CR0ABE00GN7	6.0	35	100	6	4	₹ 2,739
CR0ABE00GP3	6.0	40	150	6	4	₹ 3,843
CR0ABE00GQ1	8.0	20	60	8	4	₹ 2,751
CR0ABE00GR9	8.0	30	75	8	4	₹ 3,291
CR0ABE00GS6	8.0	40	100	8	4	₹ 4,116
CR0ABE00GT4	8.0	50	150	8	4	₹ 6,483
CR0ABE00GU2	10.0	30	75	10	4	₹ 4,356
CR0ABE00GV0	10.0	50	100	10	4	₹ 5,772
CR0ABE00GW8	10.0	60	150	10	4	₹ 8,892
CR0ABE00GX5	11.0	30	75	11	4	₹ 6,027
CR0ABE00GY3	12.0	30	75	12	4	₹ 6,063
CR0ABE00GZ1	12.0	50	100	12	4	₹ 7,833
CR0ABE00H02	12.0	60	150	12	4	₹ 11,370
CR0AGBE00JP8	14.0	30	75	14	4	₹ 9,405
CR0ABE00H10	14.0	50	100	14	4	₹ 12,432
CR0ABE00H28	16.0	50	100	16	4	₹ 13,875
CR0ABE00H36	16.0	60	150	16	4	₹ 20,871
CR0ABE00H44	20.0	50	100	20	4	₹ 22,767

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Series	125		Carbide 4F RIB-End Mills with NOVA Coating up to 45HRc				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Neck Diameter (D3)	Reach Length (L3)	Overall Length (L2)	Shank Diameter (D2)	PL-56
1250100605004	1.0	3.0	0.95	6	50	4	₹ 804
1250100805004	1.0	3.0	0.95	8	50	4	₹ 804
1250101005004	1.0	3.0	0.95	10	50	4	₹ 804
1250101205004	1.0	3.0	0.95	12	50	4	₹ 804
1250101605004	1.0	3.0	0.95	16	50	4	₹ 804
1250102005004	1.0	3.0	0.95	20	50	4	₹ 804
1250150805004	1.5	4.5	1.45	8	50	4	₹ 804
1250151005004	1.5	4.5	1.45	10	50	4	₹ 804
1250151205004	1.5	4.5	1.45	12	50	4	₹ 804
1250151605004	1.5	4.5	1.45	16	50	4	₹ 804
1250152005004	1.5	4.5	1.45	20	50	4	₹ 804
1250152505004	1.5	4.5	1.45	25	50	4	₹ 804
1250200805004	2.0	6.0	1.95	8	50	4	₹ 804
1250201005004	2.0	6.0	1.95	10	50	4	₹ 804
1250201205004	2.0	6.0	1.95	12	50	4	₹ 804
1250201605004	2.0	6.0	1.95	16	50	4	₹ 804
1250202005004	2.0	6.0	1.95	20	50	4	₹ 804
1250202505004	2.0	6.0	1.95	25	50	4	₹ 804
1250251005004	2.5	7.0	2.40	10	50	4	₹ 804
1250251205004	2.5	7.0	2.40	12	50	4	₹ 804
1250251605004	2.5	7.0	2.40	16	50	4	₹ 804
1250252005004	2.5	7.0	2.40	20	50	4	₹ 804
1250252505004	2.5	7.0	2.40	25	50	4	₹ 804

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Series	126		Carbide 2F RIB-Ball Nose with NOVA Coating up to 45HRc				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Neck Diameter (D3)	Reach Length (L3)	Overall Length (L2)	Shank Diameter (D2)	PL-56
1260100605004	1.0	2.0	0.95	6	50	4	₹ 915
1260100805004	1.0	2.0	0.95	8	50	4	₹ 915
1260101005004	1.0	2.0	0.95	10	50	4	₹ 915
1260101205004	1.0	2.0	0.95	12	50	4	₹ 915
1260101605004	1.0	2.0	0.95	16	50	4	₹ 915
1260102005004	1.0	2.0	0.95	20	50	4	₹ 915
1260150805004	1.5	3.0	1.45	8	50	4	₹ 915
1260151005004	1.5	3.0	1.45	10	50	4	₹ 915
1260151205004	1.5	3.0	1.45	12	50	4	₹ 915
1260151605004	1.5	3.0	1.45	16	50	4	₹ 915
1260152005004	1.5	3.0	1.45	20	50	4	₹ 915
1260152505004	1.5	3.0	1.45	25	50	4	₹ 915
1260200805004	2.0	4.0	1.95	8	50	4	₹ 915
1260201005004	2.0	4.0	1.95	10	50	4	₹ 915
1260201205004	2.0	4.0	1.95	12	50	4	₹ 915
1260201605004	2.0	4.0	1.95	16	50	4	₹ 915
1260202005004	2.0	4.0	1.95	20	50	4	₹ 915
1260202505004	2.0	4.0	1.95	25	50	4	₹ 915
1260251005004	2.5	5.0	2.40	10	50	4	₹ 915
1260251205004	2.5	5.0	2.40	12	50	4	₹ 915
1260251605004	2.5	5.0	2.40	16	50	4	₹ 915
1260252005004	2.5	5.0	2.40	20	50	4	₹ 915
1260252505004	2.5	5.0	2.40	25	50	4	₹ 915

Series	103		Carbide 2-Flute GP-0X UpCut Woodworking Router bits			
Item Code	COATED/ UNCOATED	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CX01GSE000K8	TiALN	1	6	50	3	₹ 633
CX01GSE000M4	TiALN	1.5	8	50	3	₹ 633
CX01GSE00HD9	TiALN	2	8	50	3	₹ 633
CX01GSE000P7	TiALN	3	14	50	3	₹ 633
CX01GSE000Q5	TiALN	4	22	50	4	₹ 789
CX01GSE00HE7	TiALN	5	16	50	5	₹ 1,047
CX01GSE000R3	TiALN	5	22	50	5	₹ 1,065
CX01GSE00H11	TiALN	6	18	50	6	₹ 1,296
CX01GSE000S0	TiALN	6	22	50	6	₹ 1,320
CX01GSE00G87	TiALN	6	30	75	6	₹ 1,917
CX01GSE000T8	TiALN	8	20	60	8	₹ 2,388
CX01GSE00H29	TiALN	10	30	75	10	₹ 4,119
CX01GSE00H37	TiALN	12	30	75	12	₹ 5,625
CX0XGSE00H46	UNCOATED	2	12	50	3	₹ 609
CX0XGSE00016	UNCOATED	3	16	50	3	₹ 525
CX0XGSE00032	UNCOATED	4	22	50	4	₹ 639
CX0XGSE00HG4	UNCOATED	4	30	60	4	₹ 813
CX0XGSE00G13	UNCOATED	4	35	75	4	₹ 981
CX0XGSE00G21	UNCOATED	4	50	100	4	₹ 1,329
CX0XGSE00057	UNCOATED	5	22	50	5	₹ 879
CX0XGSE00FZ4	UNCOATED	5	30	60	5	₹ 1,122
CX0XGSE00G05	UNCOATED	5	35	75	5	₹ 1,371
CX0XGSE00GQ3	UNCOATED	5	50	100	5	₹ 1,854
CX0XGSE00073	UNCOATED	6	22	50	6	₹ 1,077
CX0XGSE00099	UNCOATED	6	30	60	6	₹ 1,383
CX0XGSE000A1	UNCOATED	6	35	75	6	₹ 1,701
CX0XGSE00G88	UNCOATED	6	50	100	6	₹ 2,298
CX0XGSE00RB5	UNCOATED	7	35	75	7	₹ 2,823
CX0XGSE00HN8	UNCOATED	8	22	50	8	₹ 1,806
CX0XGSE00FV3	UNCOATED	8	30	60	8	₹ 2,247
CX0XGSE00GY5	UNCOATED	8	35	75	8	₹ 2,700
CX0XGSE000G8	UNCOATED	8	50	100	8	₹ 3,591
CX0XGSE00K50	UNCOATED	10	35	75	10	₹ 3,795
CX0XGSE00H53	UNCOATED	10	50	100	10	₹ 5,244
CX0XGSE00K68	UNCOATED	12	35	75	12	₹ 5,352
CX0XGSE00H61	UNCOATED	12	50	100	12	₹ 6,873

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Series	104		Carbide 2-Flute GP-0X Ball Nose for Woodworking			
Item Code	COATED/ UNCOATED	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CX01GBE00C21	TiALN	1	6	50	3	₹ 669
CX01GBE00AX9	TiALN	1.5	8	50	3	₹ 669
CX01GBE000J7	TiALN	2	8	50	3	₹ 669
CX01GBE00BE0	TiALN	2.5	8	50	3	₹ 669
CX01GBE000N8	TiALN	3	14	50	3	₹ 642
CX01GBE00G19	TiALN	3	30	100	3	₹ 1,353
CX01GBE00BJ9	TiALN	4	14	50	4	₹ 855
CX01GBE000P4	TiALN	4	22	50	4	₹ 855
CX01GBE00BD2	TiALN	4	25	75	4	₹ 1,179
CX01GBE00CF7	TiALN	4	30	100	4	₹ 1,449
CX01GBE00C62	TiALN	5	16	50	5	₹ 1,173
CX01GBE000Q2	TiALN	5	22	50	5	₹ 1,173
CX01GBE000R0	TiALN	6	18	50	6	₹ 1,404
CX01GBE000T5	TiALN	6	22	50	6	₹ 1,404
CX01GBE00BZ4	TiALN	6	30	60	6	₹ 1,725
CX01GBE00CE9	TiALN	6	35	100	6	₹ 2,673
CX01GBE00CG5	TiALN	8	20	60	8	₹ 2,574
CX01GBE00FS5	TiALN	10	25	150	10	₹ 8,652
CX01GBE00BK7	TiALN	10	30	75	10	₹ 4,218
CX01GBE00G27	TiALN	10	50	100	10	₹ 5,622
CX01GBE00BL5	TiALN	12	30	75	12	₹ 5,823
CX01GBE00AZ5	TiALN	12	25	150	12	₹ 11,469
CX01GBE00C05	TiALN	12	30	200	12	₹ 14,589
CX0XGBE00BM4	UNCOATED	2	12	50	3	₹ 627
CX0XGBE003C1	UNCOATED	3	16	50	3	₹ 621
CX0XGBE003F4	UNCOATED	4	22	50	4	₹ 687
CX0XGBE00BS0	UNCOATED	4	30	60	4	₹ 855
CX0XGBE00BD3	UNCOATED	4	35	75	4	₹ 1,026
CX0XGBE003J5	UNCOATED	5	22	50	5	₹ 987
CX0XGBE00054	UNCOATED	5	30	60	5	₹ 1,227
CX0XGBE003M9	UNCOATED	5	35	75	5	₹ 1,476
CX0XGBE00070	UNCOATED	5	50	100	5	₹ 1,953
CX0XGBE003Q0	UNCOATED	6	22	50	6	₹ 1,236
CX0XGBE00088	UNCOATED	6	30	60	6	₹ 1,530
CX0XGBE000A8	UNCOATED	6	35	75	6	₹ 1,824
CX0XGBE000C4	UNCOATED	6	50	100	6	₹ 2,430
CX0XGBE000E9	UNCOATED	8	20	60	8	₹ 2,316
CX0XGBE00AP8	UNCOATED	8	22	50	8	₹ 1,989
CX0XGBE00AQ6	UNCOATED	8	30	60	8	₹ 2,331
CX0XGBE00BF9	UNCOATED	8	35	75	8	₹ 2,850
CX0XGBE000G5	UNCOATED	8	50	100	8	₹ 3,726
CX0XGBE00E20	UNCOATED	10	30	60	10	₹ 3,330
CX0XGBE00DY5	UNCOATED	10	30	75	10	₹ 3,888
CX0XGBE00BN1	UNCOATED	10	50	100	10	₹ 5,193
CX0XGBE00DZ3	UNCOATED	12	30	75	12	₹ 5,364
CX0XGBE000H3	UNCOATED	12	50	100	12	₹ 7,053

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Series	107		Carbide 1-Flute GP-0X Router Bits for Aluminium/Wood/Plastic		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CX0XGRB00014	3	16	50	3	₹ 678
CX0XGRB00022	4	22	50	4	₹ 723
CX0XGRB00030	4	30	60	4	₹ 900
CX0XGRB00048	4	35	75	4	₹ 1,071
CX0XGRB00055	4	50	100	4	₹ 1,422
CX0XGRB00063	5	22	50	5	₹ 966
CX0XGRB00071	5	30	60	5	₹ 1,206
CX0XGRB00089	5	35	75	5	₹ 1,434
CX0XGRB00097	5	50	100	5	₹ 1,998
CX0XGRB000A9	6	22	50	6	₹ 1,203
CX0XGRB000B7	6	30	60	6	₹ 1,497
CX0XGRB000C5	6	35	75	6	₹ 1,797
CX0XGRB000D2	6	50	100	6	₹ 2,394
CX0XGRB000E0	8	22	50	8	₹ 2,103
CX0XGRB000F8	8	30	60	8	₹ 2,565
CX0XGRB000G6	8	35	75	8	₹ 3,015
CX0XGRB000H4	8	50	100	8	₹ 3,948
CX0XGRB000S9	10	22	50	10	₹ 3,201
CX0XGRB000J9	10	30	60	10	₹ 3,783
CX0XGRB000K7	10	35	75	10	₹ 4,350
CX0XGRB000L5	10	50	100	10	₹ 5,739
CX0XGRB000M3	12	30	60	12	₹ 4,908
CX0XGRB000N0	12	35	75	12	₹ 5,874
CX0XGRB000P6	12	50	100	12	₹ 7,431
CX0XGRB000Q4	14	50	100	14	₹ 11,208
CX0XGRB000R2	16	50	100	16	₹ 13,782

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Series	108		Carbide 2-Flute GP-0X Series Taper End Mills				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A*)	Taper Angle (A*) VALUE	PL-56
10801006048-U	1.00	30	60	6	4^{O} 50'	4.8	₹ 1,956
10801506043-U	1.50	30	60	6	4^{O} 20'	4.3	₹ 1,956
10802006038-U	2.00	30	60	6	3^{O} 50'	3.8	₹ 1,956
10803006029-U	3.00	30	60	6	2^{O} 50'	2.8	₹ 1,956
10804006019-U	4.00	30	60	6	1^{O} 50'	1.8	₹ 1,956
10804007538-U	4.00	30	75	8	3^{O} 50'	3.8	₹ 3,753

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Series	109		Carbide 2-Flute GP-0X Series Taper Ball Nose				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A*)	Taper Angle (A*) VALUE	PL-56
10901006048-U	1.00	30	60	6	4^{O} 50'	4.8	₹ 2,010
10901506043-U	1.50	30	60	6	4^{O} 20'	4.3	₹ 2,010
10902006038-U	2.00	30	60	6	3^{O} 50'	3.8	₹ 2,010
10903006029-U	3.00	30	60	6	2^{O} 50'	2.9	₹ 2,010
10904006019-U	4.00	30	60	6	1^{O} 50'	1.9	₹ 2,010
10904007538-U	4.00	30	75	8	3^{O} 50'	3.8	₹ 3,861

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Series	112		Carbide 0X 2-Flute Down-Cut Router Bits for Plywood			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Reach Length	Overall Length (L2)	Shank Diameter (D2)	PL-56
112060075-DOWN-U	6	25		75	6	₹ 2,202
1124392203"-DOWN-U	1/4	1"		3"	1/4	₹ 2,706
112080075-DOWN-U	8	25		75	8	₹ 3,408
112100075-DOWN-U	10	25		75	10	₹ 4,980
112120075-DOWN-U	12	25		75	12	₹ 6,750
1124386203"-DOWN-U	1/2	1"		3"	1/2	₹ 8,736

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Series	114		Carbide 2-Flute Compression Bits for Plywood, Laminates			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Reach Length (L3)	Shank Diameter (D2)	Overall Length (L2)	PL-56
CX0XGCP00018	6	25		6	75	₹ 2,412
CX0XGCP00026	8	25		8	75	₹ 3,576
CX0XGCP00083	8	25		8	100	₹ 3,822
CX0XGCP00059	10	25		10	75	₹ 5,217
CX0XGCP00034	10	25		10	100	₹ 5,520
CX0XGCP00067	12	25		12	75	₹ 7,077
CX0XGCP00042	12	25		12	100	₹ 7,233
CX0XGCP00075	16	32		16	100	₹ 16,692
1140635090-COMP-U	1/4"	7/8"		1/4"	3"	₹ 2,961
1140950090-COMP-U	3/8"	1"		3/8"	3"	₹ 5,217
114127100-COMP-U	1/2"	1-5/16"		1/2"	3"	₹ 9,159

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Series	118		Carbide 2-Flute ST.Flute End Mills for HARD Wood		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-56
CX0XGSE00QH3	3	15	50	4	₹ 759
CX0XGSE00Q96	3	15	50	6	₹ 1,230
CX0XGSE00QA8	3	20	50	6	₹ 1,281
CX0XGSE00QB6	4	16	50	6	₹ 1,281
CX0XGSE00QJ8	4	20	50	4	₹ 822
CX0XGSE00QC4	4	22	50	6	₹ 1,335
CX0XGSE00QK6	5	22	50	5	₹ 1,017
CX0XGSE00QD1	5	22	50	6	₹ 1,329
CX0XGSE00QE9	6	22	50	6	₹ 1,200
CX0XGSE00QL4	6	25	60	6	₹ 1,377
CX0XGSE00QG5	6	30	60	8	₹ 2,406
CX0XGSE00QF7	6	35	75	6	₹ 1,755
CX0XGSE00QM2	8	30	60	8	₹ 2,193
CX0XGSE00QN9	8	35	75	8	₹ 2,679
CX0XGSE00QP5	8	50	100	8	₹ 3,549
CX0XGSE00QQ3	10	30	60	10	₹ 3,264
CX0XGSE00QR1	10	40	75	10	₹ 3,915
CX0XGSE00QS8	10	50	100	10	₹ 5,163
CX0XGSE00QT6	12	30	60	12	₹ 4,401
CX0XGSE00QU4	12	35	75	12	₹ 5,301
CX0XGSE00QV2	12	50	100	12	₹ 7,020

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Series	119		Carbide GP-0X Series Engraving Router Bit V-shape			

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Ordering Code	TIP (t)	Included Angle (a°)	Cutting Length (L1)	Overall Length (L2)	Shank Dia (D)	PL-56
CX0XEB00013	0.2	30°	12	50	3	₹ 636
CX0XEB00021	0.2	30°	12	50	4	₹ 810
CX0XEB00039	0.2	30°	15	50	5	₹ 1,020
CX0XEB00047	0.2	30°	15	50	6	₹ 1,329
CX0XEB00054	0.4	30°	25	60	8	₹ 2,631
CX0XEB00062	0.4	30°	25	75	10	₹ 4,506
119120075-U	0.4	30°	25	75	12	₹ 6,138
119127075-U	0.4	30°	25	75	12.7	₹ 8,238