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
	222	3~20	YES	4	x				NOVA
	423	3~20	YES	4		x			TISINOVA
HP-4X (upto 65HRc)	401	1~20	YES	4	x				TISINOVA
	402	1~12	YES	2		x			TISINOVA
	406	2~12	+++	2		x		x	TISINOVA
HP-3X (upto 60HRc)	Micro EM	0.2~0.9	+++	2	x				NOVA
	Micro BN	0.2~0.9	+++	2		x			NOVA
	301	1~22	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 (ALU-ALLOYS)	311	2~20	+++	2	x				MAYURA
	312	3~20	+++	2		x			MAYURA
	313	2~20	+++	3	x				MAYURA
GP-1X	201	3~25	Yes	4	x				TiALN
	202	3~25	Yes	4		x			TiALN
	205	1~20	Yes	4	x				HYPERLOX
	206	1~16	Yes	2		x			HYPERLOX
	207	3~10	++	2&3	x				TiALN
	208	3~10	++	2&3		x			TiALN
	211	2~20	YES	2	x				-
	212	3~20	YES	2		x			-
	213	2~20	YES	3	x				-
	215	3~12	YES	2,3,4	x				TiALN
	219	3~12	+	1	x				-
GP-0X	102	3~20	Yes	4		x			TiALN
	110	3~20	Yes	4	x				TiALN
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	++	4	x		x		NOVA
	122	1~20	YES	4	x				NOVA
	123	1~20	YES	4		x			NOVA

Carbide Grain	Full Type	ROHIT Grade
MG	Micro Fine Grain	0X
SMG	Sub-Micro Fine Grain	1X
UMG	Ultra Fine Micro Grain	3X
NG	NANO Grain	4X

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

Series	330		Carbide HP 4-Flute Variable Helix End Mills AL-PRO COATED			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-54
CR35HVH001Q9	3	10	50	6	R0.2	₹ 2,040
CR35HVH000B3	4	10	54	6	R0.3	₹ 2,040
CR35HVH00135	4.5	12	50	6	R0.3	₹ 2,040
CR35HVH00150	5	16	50	6	R0.3	₹ 2,040
CR35HVH00176	5	16	60	6	R0.3	₹ 2,244
CR35HVH00143	5.5	12	50	6	R0.3	₹ 2,040
CR35HVH00168	6	12	50	6	R0.3	₹ 1,755
CR35HVH00010	6	12	63	6	R0.3	₹ 2,040
CR35HVH00119	8	19	63	8	R0.3	₹ 2,844
CR35HVH00028	8	19	63	8	R0.5	₹ 2,844
CR35HVH00036	10	22	72	10	R0.5	₹ 4,371
CR35HVH00044	12	26	80	12	R0.75	₹ 5,745
CR35HVH00085	14	26	80	14	R0.75	₹ 7,773
CR35HVH00051	16	32	92	16	R0.30	₹ 10,845
CR35HVH00093	16	32	92	16	R0.75	₹ 10,845
CR35HVH000A5	20	38	100	20	R0.75	₹ 15,717
CX35HVH00071	1/4	1/2"	2-1/2"	1/4	R0.015	₹ 2,445
CX35HVH000C5	1/4	3/4"	2-1/2"	1/4	R0.015	₹ 2,445
CX35HVH000H4	5/16	13/16"	2-1/2"	5/16	R0.015	₹ 2,844
CX35HVH000E0	3/8	1"	3"	3/8	R0.015	₹ 4,371
CX35HVH000D2	1/2	1"	3"	1/2	R0.015	₹ 6,552
CX35HVH00063	1/2	1"	3"	1/2	R0.030	₹ 6,552
CX35HVH000L5	5/8	1-1/4"	3-1/2"	5/8	R0.015	₹ 10,845
CX35HVH000F8	5/8	1-1/4"	3-1/2"	5/8	R0.030	₹ 10,845
CX35HVH000M3	3/4	1-1/2"	4"	3/4	R0.015	₹ 15,717
CX35HVH000G6	3/4	1-1/2"	4"	3/4	R0.030	₹ 15,717

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Series	334		Carbide HP 4-Flute Variable Helix End Mills AL-PRO COATED (ECC)		

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR35HVH001P1	3	10	50	6	₹ 2,001
CR35HVH001T2	4	15	50	4	₹ 1,551
CR35HVH001R7	4	16	50	6	₹ 2,001
CR35HVH001U0	5	16	50	5	₹ 1,809
CR35HVH001V8	5	16	50	6	₹ 2,001
CR35HVH00184	6	16	50	6	₹ 1,872
CR35HVH00192	6	20	60	6	₹ 2,070
CR35HVH001A4	6	25	75	6	₹ 2,310
CR35HVH001B2	6	30	100	6	₹ 2,865
CR35HVH001C0	8	20	60	8	₹ 2,730
CR35HVH001D7	8	30	75	8	₹ 3,063
CR35HVH001E5	8	40	100	8	₹ 3,705
CR35HVH001F3	10	30	75	10	₹ 4,161
CR35HVH001G1	10	45	100	10	₹ 5,001
CR35HVH001H9	12	30	75	12	₹ 5,472
CR35HVH001J4	12	45	100	12	₹ 6,645
CR35HVH001K2	14	50	100	14	₹ 8,883
CR35HVH001L0	16	50	100	16	₹ 10,737
CR35HVH001M8	18	50	100	18	₹ 13,422
CR35HVH001N5	20	50	100	20	₹ 16,047

Series	333		Carbide HP 5-Flute Variable Helix End Mills A-PRO COATED

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Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Corner Radius (R)	PL-54
CR35HVH000P2	6	12	63	6	R0.3	₹ 2,223
CR35HVH000Q0	8	16	63	8	R0.5	₹ 2,970
CR35HVH000R8	10	22	72	10	R0.5	₹ 4,572
CR35HVH000S5	12	26	80	12	R0.75	₹ 6,174
CR35HVH001S4	14	26	80	14	R0.75	₹ 7,959
CR35HVH000T3	16	32	92	16	R0.75	₹ 11,358
CR35HVH000U1	20	38	100	20	R0.75	₹ 16,467
CX35HVH000V3	1/4	3/4"	2-1/2"	1/4	R0.01"	₹ 2,598
CX35HVH000W1	5/16	13/16"	2-1/2"	5/16	R0.015"	₹ 2,970
CX35HVH000X8	3/8	1"	3"	3/8	R0.015"	₹ 4,572
CX35HVH000Y6	1/2	1"	3"	1/2	R0.03"	₹ 6,879
CX35HVH000Z4	5/8	1-1/4"	3-1/2"	5/8	R0.03"	₹ 11,358
CX35HVH00105	3/4	1-1/2"	4"	3/4	R0.03"	₹ 16,467

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-54
CR4SHVH00257	3	8	50	4	R0.2	₹ 2,271
CR4SHVH001W4	4	12	50	6	R0.3	₹ 3,198
CR4SHVH001X1	5	14	50	6	R0.3	₹ 3,198
CR4SHVH001Y9	6	16	63	6	R0.3	₹ 3,366
CR4SHVH001Z7	8	19	63	8	R0.5	₹ 5,481
CR4SHVH00208	10	22	72	10	R0.5	₹ 8,016
CR4SHVH00216	12	26	76	12	R0.75	₹ 10,419
CR4SHVH00224	14	30	80	14	R0.75	₹ 13,572
CR4SHVH00232	16	32	92	16	R0.75	₹ 21,630
CR4SHVH00240	20	38	100	20	R0.75	₹ 33,372
4304428702-1/2-TN	1/4	3/4"	2-1/2"	1/4	R0.01"	₹ 5,583
4304249102-1/2-TN	5/16	13/16"	2-1/2"	5/16	R0.015"	₹ 5,583
43044411003-TN	3/8	1"	3"	3/8	R0.015"	₹ 8,166
43044228003-TN	1/2	1"	3"	1/2	R0.03"	₹ 12,987
4304441303-1/2-TN	5/8	1-1/4"	3-1/2"	5/8	R0.03"	₹ 21,630

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

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Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR4SHVH00265	3	12	50	4	₹ 2,271
CR4SHVH00273	4	14	50	6	₹ 3,198
CR4SHVH00281	5	16	50	6	₹ 3,300
CR4SHVH00299	6	18	50	6	₹ 3,198
CR4SHVH002A1	6	25	75	6	₹ 4,227
CR4SHVH002B9	6	30	100	6	₹ 5,154
CR4SHVH002C7	8	20	60	8	₹ 4,944
CR4SHVH002D4	8	30	75	8	₹ 5,772
CR4SHVH002E2	8	40	100	8	₹ 7,317
CR4SHVH002F0	10	30	75	10	₹ 7,935
CR4SHVH002G8	10	45	100	10	₹ 9,888
CR4SHVH002H6	12	30	75	12	₹ 10,506
CR4SHVH002J1	12	45	100	12	₹ 13,287
CR4SHVH002K9	14	50	100	14	₹ 16,686
CR4SHVH002L7	16	50	100	16	₹ 21,840
CR4SHVH002M5	18	50	100	18	₹ 26,784
CR4SHVH002N2	20	50	100	20	₹ 33,990

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-54
433060063-XTN	6	12	63	6	R0.3	₹ 3,666
433080063-XTN	8	16	63	8	R0.5	₹ 5,688
433100072-XTN	10	22	72	10	R0.5	₹ 8,322
433120076-XTN	12	26	76	12	R0.75	₹ 11,142
433140080-XTN	14	26	80	14	R0.75	₹ 13,884
433160092-XTN	16	32	92	16	R0.75	₹ 22,215

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Series	401		Carbide 4X 4-Flute HP-Flat End Mills TISINOVA Coated upto 65HRc		

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR4SHSE00V92	1	2	50	4	₹ 2,079
CR4SHSE00VA4	1.5	3	50	4	₹ 2,079
CR4SHSE00VB2	2	4	50	4	₹ 2,079
CR4SHSE00VC0	2.5	6	50	4	₹ 2,079
CR4SHSE00VD7	3	10	50	4	₹ 2,079
CR4SHSE00VE5	4	12	50	4	₹ 2,079
CR4SHSE00VF3	4	20	75	4	₹ 2,517
CR4SHSE00VG1	6	16	50	6	₹ 2,967
CR4SHSE00VH9	6	25	75	6	₹ 3,771
CR4SHSE00VJ4	8	20	60	8	₹ 4,842
CR4SHSE00VK2	8	25	75	8	₹ 5,667
CR4SHSE00VL0	8	35	100	8	₹ 7,056
CR4SHSE00VM8	10	25	75	10	₹ 7,521
CR4SHSE00VN5	10	40	100	10	₹ 9,405
CR4SHSE00VP1	12	25	75	12	₹ 9,837
CR4SHSE00VQ9	12	40	100	12	₹ 12,465
CR4SHSE00VR7	14	40	100	14	₹ 15,450
CR4SHSE00VS4	16	40	100	16	₹ 20,808
401180100-TN	18	40	100	18	₹ 25,338
401200100-TN	20	40	100	20	₹ 32,136

Series	402		Carbide 4X 2-Flute HP-Ball Nose TISINOVA Coated upto 65HRc		

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR4SHBE00H77	1	2	50	4	₹ 2,388
CR4SHBE00H85	1.5	3	50	4	₹ 2,388
CR4SHBE00H93	2	4	50	4	₹ 2,388
CR4SHBE00HA5	2.5	6	50	4	₹ 2,388
CR4SHBE00HB3	3	8	50	4	₹ 2,388
CR4SHBE00HC1	4	10	50	4	₹ 2,373
CR4SHBE00HD8	4	10	75	4	₹ 2,778
CR4SHBE00HE6	6	12	50	6	₹ 3,378
CR4SHBE00HF4	6	12	75	6	₹ 4,266
CR4SHBE00HG2	8	16	60	8	₹ 5,274
CR4SHBE00HH0	8	16	75	8	₹ 6,162
CR4SHBE00HJ5	8	16	100	8	₹ 7,584
CR4SHBE00HK3	10	20	75	10	₹ 8,412
CR4SHBE00HL1	10	20	100	10	₹ 10,428
CR4SHBE00HM9	12	25	75	12	₹ 10,899
CR4SHBE00HN6	12	25	100	12	₹ 13,626

Series	406		Carbide 4X 2-Flute HP-Ball Nose with Taper Neck TISINOVA Coated upto 65HRc

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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-54
4060202306006-TN	1	2	4	6	23	60	6	2.9	1°30'	₹ 3,585
4060202306006-TN	1	2	4	6	23	60	6	5	5°	₹ 3,585
4060204108006-TN	1	2	4	6	41	80	6	5.7	3°	₹ 4,008
4060303207506-TN	1.5	3	6	8	32	75	6	5.6	3°	₹ 4,008
4060305209006-TN	1.5	3	6	8	52	90	6	5.3	1°30'	₹ 5,484
4060402807506-TN	2	4	8	10	28	75	6	6	3°	₹ 3,900
4060404909006-TN	2	4	8	10	49	90	6	6	1°30'	₹ 4,641
4060504108008-TN	2.5	5	10	12	41	80	8	8	3°	₹ 5,637
4060505110008-TN	2.5	5	10	12	51	100	8	7	1°30'	₹ 7,164
4060603408008-TN	3	6	12	15	34	80	8	8	3°	₹ 5,898
4060605310008-TN	3	6	12	15	53	100	8	8	1°30'	₹ 7,689
4060803608010-TN	4	8	14	17	36	80	10	10	3°	₹ 7,953
4060805510010-TN	4	8	14	17	55	100	10	10	1°30'	₹ 10,635
4061004008012-TN	5	10	18	21	40	80	12	12	3°	₹ 10,218
4061005910012-TN	5	10	18	21	59	100	12	12	1°30'	₹ 13,689
4061206311016-TN	6	12	22	25	63	110	16	16	3°	₹ 21,969
4061208313016-TN	6	12	22	25	83	130	16	15	1°30'	₹ 30,210

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-54
CR4SHBE00HP2	3	10	50	4	₹ 2,388
CR4SHBE00HQ0	4	12	50	4	₹ 2,373
CR4SHBE00HR8	4	20	75	4	₹ 2,778
CR4SHBE00HS5	5	14	50	6	₹ 3,378
CR4SHBE00HT3	6	18	50	6	₹ 3,378
CR4SHBE00HU1	6	25	75	6	₹ 4,266
CR4SHBE00HV9	8	20	60	8	₹ 5,274
CR4SHBE00HW7	8	25	75	8	₹ 6,162
CR4SHBE00HX4	8	35	100	8	₹ 7,584
CR4SHBE00HY2	10	25	75	10	₹ 8,412
CR4SHBE00HZ0	10	40	100	10	₹ 10,428
CR4SHBE00J00	12	30	75	12	₹ 10,899
CR4SHBE00J18	12	40	100	12	₹ 13,626
CR4SHBE00J26	14	40	100	14	₹ 16,482
CR4SHBE00J34	16	40	100	16	₹ 21,414
423180100-TN	18	40	100	18	₹ 26,163
423200100-TN	20	40	100	20	₹ 32,961

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-54
CR3AHCR00G8	3.0	12	50	4	0.50	₹ 1,638
CR3AHCR00Z6	3.0	12	50	4	1.00	₹ 1,638
CR3AHCR0115	4.0	16	50	4	0.50	₹ 1,638
CR3AHCR0016	4.0	16	50	6	0.50	₹ 1,998
CR3AHCR00L7	4.0	16	50	6	1.00	₹ 1,998
CR3AHCR00T9	4.0	20	75	6	0.50	₹ 2,484
CR3AHCR00F0	5.0	16	50	6	0.50	₹ 2,055
CR3AHCR00H6	5.0	16	50	6	1.00	₹ 2,055
CR3AHCR0024	6.0	16	50	6	0.50	₹ 1,983
CR3AHCR00K9	6.0	16	50	6	1.00	₹ 1,983
CR3AHCR0032	6.0	25	75	6	0.50	₹ 2,451
CR3AHCR0107	6.0	25	75	6	1.00	₹ 2,451
CR3AHCR00P8	8.0	20	60	8	0.50	₹ 2,739
CR3AHCR0040	8.0	20	60	8	1.00	₹ 2,739
CR3AHCR00N2	8.0	30	75	8	0.50	₹ 3,075
CR3AHCR0057	8.0	30	75	8	1.00	₹ 3,075
CR3AHCR00Q6	8.0	40	100	8	0.50	₹ 3,759
CR3AHCR0065	8.0	40	100	8	1.00	₹ 3,759
CR3AHCR00X0	8.5	25	60	10	1.50	₹ 4,017
CR3AHCR00J1	10.0	30	75	10	0.50	₹ 4,290
CR3AHCR0099	10.0	30	75	10	1.00	₹ 4,290
CR3AHCR0073	10.0	30	75	10	1.50	₹ 4,290
CR3AHCR00R4	10.0	40	100	10	0.50	₹ 5,166
CR3AHCR00D4	10.0	40	100	10	1.00	₹ 5,166
CR3AHCR0081	10.0	40	100	10	1.50	₹ 5,166
CR3AHCR00M5	12.0	30	75	12	0.50	₹ 5,496
CR3AHCR00B9	12.0	30	75	12	1.00	₹ 5,496
CR3AHCR00A1	12.0	30	75	12	1.50	₹ 5,496
CR3AHCR00S1	12.0	40	100	12	0.50	₹ 6,672
CR3AHCR00E2	12.0	40	100	12	1.00	₹ 6,672
CR3AHCR00C7	12.0	40	100	12	1.50	₹ 6,672
CR3AHCR00U7	14.0	40	100	14	2.00	₹ 9,006
CR3AHCR00Y8	16.0	40	100	16	1.00	₹ 11,193
CR3AHCR00V5	16.0	40	100	16	2.00	₹ 11,193
CR3AHCR00W3	18.0	40	100	18	2.00	₹ 13,989
CR3AHCR0123	20.0	50	100	20	2.00	₹ 16,725

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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-54
CR3AHSE00LZ9	3	12	50	4	₹ 1,464
CR3AHSE00M00	4	16	50	6	₹ 1,851
CR3AHSE00PF9	4	20	75	6	₹ 2,298
CR3AHSE00MK1	5	16	50	6	₹ 1,851
CR3AHSE00V50	5	25	75	5	₹ 2,139
CR3AHSE00M18	6	16	50	6	₹ 1,785
CR3AHSE00M26	6	25	75	6	₹ 2,205
CR3AHSE00M34	8	20	60	8	₹ 2,586
CR3AHSE00M42	8	30	75	8	₹ 2,901
CR3AHSE00M59	8	40	100	8	₹ 3,540
CR3AHSE00M67	10	30	75	10	₹ 3,972
CR3AHSE00M75	10	40	100	10	₹ 4,908
CR3AHSE00M83	12	30	75	12	₹ 5,370
CR3AHSE00MA3	12	40	100	12	₹ 6,522
CR3AHSE00PM4	12	60	150	12	₹ 9,942
CR3AHSE00MB1	14	40	100	14	₹ 8,799
CR3AHSE00MD6	16	50	100	16	₹ 10,638
CR3AHSE00MM7	18	40	100	18	₹ 13,296
CR3AHSE00ME4	20	50	100	20	₹ 15,894

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Series	301		Carbide 3X HP-MICRO ENDMILLS		
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
30102050-N	0.2	0.4	50	4	₹ 1,443
30103050-N	0.3	0.6	50	4	₹ 1,443
30104050-N	0.4	0.8	50	4	₹ 1,380
30105050-N	0.5	1.0	50	4	₹ 1,380
30106050-N	0.6	1.2	50	4	₹ 1,380
30107050-N	0.7	1.4	50	4	₹ 1,380
30108050-N	0.8	1.6	50	4	₹ 1,380
30109050-N	0.9	1.8	50	4	₹ 1,380

Series	304		Carbide 3X HP-MICRO BALLNOSE		
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
30402050-N	0.2	0.4	50	4	₹ 1,575
30403050-N	0.3	0.6	50	4	₹ 1,575
30404050-N	0.4	0.8	50	4	₹ 1,518
30405050-N	0.5	1.0	50	4	₹ 1,518
30406050-N	0.6	1.2	50	4	₹ 1,518
30407050-N	0.7	1.4	50	4	₹ 1,518
30408050-N	0.8	1.6	50	4	₹ 1,518
30409050-N	0.9	1.8	50	4	₹ 1,518

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-54
CR3AHSE00PA0	1.0	3	50	4	₹ 1,293
CR3AHSE00PB8	1.5	3	50	4	₹ 1,293
CR3AHSE00PC6	2.0	6	50	4	₹ 1,293
CR3AHSE00PD3	2.5	8	50	4	₹ 1,293
CR33HSE003A3	3.0	15	50	3	₹ 1,041
CR33HSE003C9	3.0	20	75	3	₹ 1,263
CR33HSE00FY1	3.0	25	100	3	₹ 1,587
CR33HSE003D6	4.0	14	50	4	₹ 1,176
CR33HSE003F2	4.0	20	75	4	₹ 1,356
CR33HSE00FN5	4.0	25	100	4	₹ 1,668
CR33HSE00HV6	4.0	50	150	4	₹ 2,676
CR33HSE003G0	5.0	16	50	5	₹ 1,446
CR33HSE003H8	5.0	20	75	5	₹ 1,668
CR33HSE00HH7	5.0	25	100	5	₹ 1,986
CR33HSE003J3	6.0	16	50	6	₹ 1,566
CR33HSE003K1	6.0	25	75	6	₹ 1,848
CR33HSE003L9	6.0	30	100	6	₹ 2,373
CR33HSE00FP1	6.0	50	150	6	₹ 3,501
CR33HSE003M7	8.0	20	60	8	₹ 2,466
CR33HSE003N4	8.0	25	75	8	₹ 2,844
CR33HSE00G59	8.0	30	100	8	₹ 3,333
CR33HSE003P0	8.0	50	150	8	₹ 4,695
CR3AHSE00PG7	8.0	50	200	8	₹ 6,882
CR33HSE003R6	10.0	25	75	10	₹ 3,672
CR33HSE003S3	10.0	40	100	10	₹ 4,407
CR33HSE003T1	10.0	60	150	10	₹ 6,486
CR3AHSE00PH5	10.0	60	200	10	₹ 8,595
CR33HSE00CP4	12.0	25	75	12	₹ 4,827
CR33HSE003U9	12.0	40	100	12	₹ 5,871
CR3AHSE00SJ7	12.0	50	100	12	₹ 5,871
CR33HSE003V7	12.0	60	150	12	₹ 8,646
CR3AHSE00T86	12.0	60	200	12	₹ 10,599
CR33HSE00L54	14.0	40	100	14	₹ 7,617
CR3AHSE00SK5	14.0	50	100	14	₹ 7,617
CR3AHSE00R21	14.0	60	150	14	₹ 11,565
CR33HSE003X2	16.0	40	100	16	₹ 9,825
CR33HSE00HT0	16.0	60	150	16	₹ 13,887
CR33HSE00L47	20.0	40	100	20	₹ 15,150
CR3AHSE00R39	20.0	60	150	20	₹ 22,395
CR3AHSE00UT3	22.0	50	100	22	₹ 19,734

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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-54
CR33HBE00364	3.0	15	50	3	₹ 1,260
CR33HBE00AM0	3.0	20	75	3	₹ 1,479
CR33HBE00BV9	4.0	14	50	4	₹ 1,392
CR33HBE00AN7	4.0	20	75	4	₹ 1,566
CR33HBE00AY3	4.0	25	100	4	₹ 1,998
CR33HBE00C50	5.0	16	50	5	₹ 1,689
CR33HBE00BU1	5.0	20	75	5	₹ 1,965
CR33HBE00DX2	5.0	25	100	5	₹ 2,325
CR33HBE00BW7	6.0	16	50	6	₹ 1,821
CR33HBE00372	6.0	25	75	6	₹ 2,151
CR33HBE00BB3	6.0	30	100	6	₹ 2,643
CR33HBE00CA4	6.0	50	150	6	₹ 3,738
CR33HBE00C92	8.0	20	60	8	₹ 2,721
CR33HBE00380	8.0	25	75	8	₹ 3,111
CR33HBE00B36	8.0	30	100	8	₹ 3,672
CR33HBE00C84	8.0	50	150	8	₹ 5,133
CR33HBE00BY2	10.0	25	75	10	₹ 4,302
CR33HBE00398	10.0	40	100	10	₹ 5,349
CR33HBE00B44	10.0	60	150	10	₹ 7,368
CR33HBE00AH1	12.0	25	75	12	₹ 5,661
CR33HBE00CB2	12.0	40	100	12	₹ 6,816
CR33HBE00CC0	12.0	60	150	12	₹ 9,462
CR3AHBE00FT5	14.0	40	100	14	₹ 8,154
CR33HBE003A0	16.0	40	100	16	₹ 10,269
CR3AHBE00F04	16.0	60	150	16	₹ 14,373
CR3AHBE00G03	20.0	40	100	20	₹ 16,713
CR3AHBE00F12	20.0	60	150	20	₹ 24,183

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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-54
CR33HBE008R8	1.0	3	50	4	₹ 1,503
CR3AHBE00E39	1.5	3	50	4	₹ 1,503
CR3AHBE00E47	2.0	4	50	4	₹ 1,503
CR3AHBE00E54	2.5	5	50	4	₹ 1,503
CR33HBE00BR8	3.0	15	50	3	₹ 1,260
CR33HBE00AT4	3.0	20	75	3	₹ 1,479
CR33HBE00B51	3.0	25	100	3	₹ 1,998
CR33HBE00315	4.0	14	50	4	₹ 1,392
CR33HBE00AU2	4.0	20	75	4	₹ 1,566
CR33HBE00B69	4.0	25	100	4	₹ 1,998
CR33HBE00E09	5.0	16	50	5	₹ 1,689
CR33HBE00C43	5.0	20	75	5	₹ 1,965
CR33HBE00B93	6.0	16	50	6	₹ 1,821
CR33HBE00323	6.0	25	75	6	₹ 2,151
CR33HBE00331	6.0	30	100	6	₹ 2,643
CR33HBE00BX4	6.0	50	150	6	₹ 3,738
CR33HBE00BA5	8.0	20	60	8	₹ 2,721
CR33HBE00BH0	8.0	25	75	8	₹ 3,111
CR33HBE00B85	8.0	30	100	8	₹ 3,672
CR33HBE00349	8.0	50	150	8	₹ 5,133
CR33HBE00356	10.0	25	75	10	₹ 4,302
CR33HBE00B77	10.0	40	100	10	₹ 5,349
CR33HBE009M8	10.0	60	150	10	₹ 7,368
CR33HBE009N5	12.0	25	75	12	₹ 5,661
CR33HBE00BP2	12.0	40	100	12	₹ 6,816
CR33HBE009Q9	12.0	60	150	12	₹ 9,462

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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-54
CR3AHSE00QW1	1.0	2.0	50	4	6	0.95	₹ 1,866
CR3AHSE00QX8	1.0	2.0	50	4	10	0.95	₹ 1,935
CR3AHSE00PN1	1.5	2.5	50	4	6	1.45	₹ 1,479
CR3AHSE00PP7	1.5	2.5	50	4	10	1.45	₹ 1,500
CR3AHSE00QY6	1.5	2.5	50	4	20	1.45	₹ 1,713
CR3AHSE00PQ5	2.0	3.0	50	4	8	1.95	₹ 1,416
CR3AHSE00PR3	2.0	3.0	50	4	12	1.95	₹ 1,431
CR3AHSE00PS0	2.0	3.0	50	4	16	1.95	₹ 1,569
CR3AHSE00PT8	2.0	3.0	50	4	20	1.95	₹ 1,569
CR3AHSE00PU6	2.5	4.0	50	4	8	2.40	₹ 1,416
CR3AHSE00PV4	2.5	4.0	50	4	12	2.40	₹ 1,431
CR3AHSE00PW2	2.5	4.0	50	4	16	2.40	₹ 1,569
CR3AHSE00PX9	2.5	4.0	50	4	20	2.40	₹ 1,569
CR3AHSE00PY7	3.0	5.0	50	6	8	2.85	₹ 1,836
CR3AHSE00PZ5	3.0	5.0	50	6	12	2.85	₹ 1,824
CR3AHSE00Q06	3.0	5.0	60	6	16	2.85	₹ 2,043
CR3AHSE00Q14	3.0	5.0	60	6	20	2.85	₹ 2,136
CR3AHSE00Q22	3.0	5.0	75	6	25	2.85	₹ 2,346
CR3AHSE00Q30	4.0	6.0	50	6	12	3.85	₹ 1,836
CR3AHSE00Q48	4.0	6.0	60	6	16	3.85	₹ 2,049
CR3AHSE00Q55	4.0	6.0	75	6	20	3.85	₹ 2,274
CR3AHSE00Q63	4.0	6.0	75	6	25	3.85	₹ 2,184
CR3AHSE00Q71	4.0	6.0	75	6	30	3.85	₹ 2,346
CR3AHSE00Q89	4.0	6.0	75	6	35	3.85	₹ 2,427

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Series	306		Carbide 2F Rib Processing Ball Nose upto 60HRc				

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Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Reach Length (L3)	Neck Diameter (D3)	PL-54
CR3AHBE00EV2	1.0	2.0	50	4	6	0.95	₹ 2,004
CR3AHBE00EW0	1.0	2.0	50	4	10	0.95	₹ 2,073
CR3AHBE00E88	1.5	2.5	50	4	6	1.45	₹ 1,716
CR3AHBE00E96	1.5	2.5	50	4	10	1.45	₹ 1,791
CR3AHBE00EX7	1.5	2.5	50	4	20	1.45	₹ 1,863
CR3AHBE00EA8	2.0	3.0	50	4	8	1.95	₹ 1,638
CR3AHBE00EB6	2.0	3.0	50	4	12	1.95	₹ 1,713
CR3AHBE00EC4	2.0	3.0	50	4	16	1.95	₹ 1,863
CR3AHBE00ED1	2.0	3.0	50	4	20	1.95	₹ 1,863
CR3AHBE00EE9	2.5	4.0	50	4	8	2.40	₹ 1,638
CR3AHBE00EF7	2.5	4.0	50	4	12	2.40	₹ 1,713
CR3AHBE00EG5	2.5	4.0	50	4	16	2.40	₹ 1,863
CR3AHBE00EH3	2.5	4.0	50	4	20	2.40	₹ 1,863
CR3AHBE00EJ8	3.0	5.0	50	6	8	2.85	₹ 1,992
CR3AHBE00EK6	3.0	5.0	50	6	12	2.85	₹ 2,058
CR3AHBE00EL4	3.0	5.0	60	6	16	2.85	₹ 2,322
CR3AHBE00EM2	3.0	5.0	60	6	20	2.85	₹ 2,427
CR3AHBE00EN9	3.0	5.0	75	6	25	2.85	₹ 2,637
CR3AHBE00EP5	4.0	6.0	50	6	12	3.85	₹ 1,992
CR3AHBE00EQ3	4.0	6.0	60	6	16	3.85	₹ 2,244
CR3AHBE00ER1	4.0	6.0	75	6	20	3.85	₹ 2,463
CR3AHBE00ES8	4.0	6.0	75	6	25	3.85	₹ 2,463
CR3AHBE00ET6	4.0	6.0	75	6	30	3.85	₹ 2,637
CR3AHBE00EU4	4.0	6.0	75	6	35	3.85	₹ 2,721

Series	307		Carbide 3X Series 2-Flute Ball Nose with Taper Neck upto 60HRc							
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-54
CR3AHBE00J42	1	2	4	6	23	60	6	2.9	1°30'	₹ 2,130
CR3AHBE00J59	1	2	4	6	23	60	6	5	5°	₹ 2,130
CR3AHBE00J67	1	2	4	6	41	80	6	5.7	3°	₹ 2,379
CR3AHBE00G37	1.5	3	6	8	32	75	6	5.6	3°	₹ 2,379
CR3AHBE00J75	1.5	3	6	8	52	90	6	5.3	1°30'	₹ 3,393
CR3AHBE00G45	2	4	8	10	28	75	6	6	3°	₹ 2,238
CR3AHBE00J83	2	4	8	10	49	90	6	6	1°30'	₹ 2,523
CR3AHBE00J91	2.5	5	10	12	41	80	8	8	3°	₹ 3,276
CR3AHBE00JA3	2.5	5	10	12	51	100	8	7	1°30'	₹ 3,849
CR3AHBE00G60	3	6	12	15	34	80	8	8	3°	₹ 3,393
CR3AHBE00G52	3	6	12	15	53	100	8	8	1°30'	₹ 4,029
CR3AHBE00JB1	4	8	14	17	36	80	10	10	3°	₹ 4,215
CR3AHBE00JC9	4	8	14	17	55	100	10	10	1°30'	₹ 5,688
CR3AHBE00JD6	5	10	18	21	40	80	12	12	3°	₹ 5,265
CR3AHBE00JE4	5	10	18	21	59	100	12	12	1°30'	₹ 7,200
CR3AHBE00JF2	6	12	22	25	63	110	16	16	3°	₹ 11,457
CR3AHBE00JG0	6	12	22	25	83	150	16	15	1°30'	₹ 15,240

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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-54
308060075R0.5-N	6	25	75	6	R0.5	₹ 2,286
308060075R1.0-N	6	25	75	6	R1.0	₹ 2,286
308080075R0.5-N	8	25	75	8	R0.5	₹ 2,976
308080075R1.0-N	8	25	75	8	R1.0	₹ 2,976
308080075R1.5-N	8	25	75	8	R1.5	₹ 2,976
308100075R0.5-N	10	30	75	10	R0.5	₹ 4,359
308100075R1.0-N	10	30	75	10	R1.0	₹ 4,359
308100075R1.5-N	10	30	75	10	R1.5	₹ 4,359
308120075R1.0-N	12	30	75	12	R1.0	₹ 5,046
308120075R1.5-N	12	30	75	12	R1.5	₹ 5,046
308120075R2.0-N	12	30	75	12	R2.0	₹ 5,046
308160100R1.0-N	16	40	100	16	R1.0	₹ 10,227
308160100R2.0-N	16	40	100	16	R2.0	₹ 10,227
308160100R3.0-N	16	40	100	16	R3.0	₹ 10,227
308180100R1.0-N	18	40	100	18	R1.0	₹ 15,093
308180100R2.0-N	18	40	100	18	R2.0	₹ 15,093
308180100R3.0-N	18	40	100	18	R3.0	₹ 15,093
308200100R1.0-N	20	40	100	20	R1.0	₹ 17,028
308200100R2.0-N	20	40	100	20	R2.0	₹ 17,028
308200100R3.0-N	20	40	100	20	R3.0	₹ 17,028

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Series	311		Carbide 3X 2-Flute High Helix MAYURA Coated End Mill for Aluminum Alloys		
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
311020050-M	2	6	50	4	₹ 1,386
311030050-M	3	12	50	3	₹ 1,164
311040050-M	4	14	50	4	₹ 1,257
311040075-M	4	25	75	4	₹ 1,569
311040100-M	4	30	100	4	₹ 1,953
311050050-M	5	16	50	5	₹ 1,638
311050075-M	5	25	75	5	₹ 1,839
311050100-M	5	35	100	5	₹ 2,247
311060050-M	6	18	50	6	₹ 1,758
311060075-M	6	30	75	6	₹ 2,067
311060100-M	6	35	100	6	₹ 2,475
311080060-M	8	20	60	8	₹ 2,520
311080075-M	8	30	75	8	₹ 2,913
311080100-M	8	40	100	8	₹ 3,471
311100075-M	10	30	75	10	₹ 3,804
311100100-M	10	50	100	10	₹ 4,743
311120075-M	12	30	75	12	₹ 4,962
311120100-M	12	50	100	12	₹ 6,036
311140100-M	14	50	100	14	₹ 8,016
311160100-M	16	50	100	16	₹ 10,110
311200100-M	20	50	100	20	₹ 15,627

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Series	312		Carbide 3X 2-Flute High Helix MAYURA Coated Ball Nose for Aluminum Alloys		
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
312030050-M	3	12	50	3	₹ 1,257
312040050-M	4	14	50	4	₹ 1,416
312040075-M	4	25	75	4	₹ 1,872
312040100-M	4	30	100	4	₹ 2,430
312050050-M	5	16	50	5	₹ 1,845
312050075-M	5	25	75	5	₹ 2,178
312050100-M	5	35	100	5	₹ 2,664
312060050-M	6	18	50	6	₹ 1,980
312060075-M	6	30	75	6	₹ 2,334
312060100-M	6	35	100	6	₹ 2,802
312080060-M	8	20	60	8	₹ 2,847
312080075-M	8	30	75	8	₹ 3,396
312080100-M	8	40	100	8	₹ 3,933
312100075-M	10	30	75	10	₹ 4,467
312100100-M	10	50	100	10	₹ 5,586
312120075-M	12	30	75	12	₹ 5,829
312120100-M	12	50	100	12	₹ 7,140
312140100-M	14	50	100	14	₹ 8,658
312160100-M	16	50	100	16	₹ 10,920
312200100-M	20	50	100	20	₹ 16,878

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Series	313		Carbide 3X 3-Flute High Helix MAYURA Coated End Mill for Aluminum Alloys		

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Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
313020050-M	2	6	50	4	₹ 1,458
313030050-M	3	12	50	3	₹ 1,224
313040050-M	4	14	50	4	₹ 1,320
313040075-M	4	25	75	4	₹ 1,650
313040100-M	4	30	100	4	₹ 2,052
313050050-M	5	16	50	5	₹ 1,722
313050075-M	5	25	75	5	₹ 1,932
313050100-M	5	35	100	5	₹ 2,361
313060050-M	6	18	50	6	₹ 1,848
313060075-M	6	30	75	6	₹ 2,172
313060100-M	6	35	100	6	₹ 2,601
313080060-M	8	20	60	8	₹ 2,646
313080075-M	8	30	75	8	₹ 3,060
313080100-M	8	40	100	8	₹ 3,645
313100075-M	10	30	75	10	₹ 3,996
313100100-M	10	50	100	10	₹ 4,983
313120075-M	12	30	75	12	₹ 5,211
313120100-M	12	50	100	12	₹ 6,339
313140100-M	14	50	100	14	₹ 8,418
313160100-M	16	50	100	16	₹ 10,617
313200100-M	20	50	100	20	₹ 16,410

Series	201		Carbide 1X series 4-Flute General Purpose End Mills TiALN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR11GSE00SP6	3	8	50	6	₹ 1,668
CR11GSE009A5	3	15	50	3	₹ 750
CR11GSE009B3	3	20	75	3	₹ 1,242
CR11GSE009C1	3	25	100	3	₹ 1,551
CR11GSE009E6	4	14	50	4	₹ 783
CR11GSE009G2	4	20	75	4	₹ 1,305
CR11GSE009H0	4	25	100	4	₹ 1,554
CR11GSE009J5	5	16	50	5	₹ 1,026
CR11GSE009K3	5	20	75	5	₹ 1,446
CR11GSE009L1	5	25	100	5	₹ 1,758
CR11GSE009Q0	6	16	50	6	₹ 1,143
CR11GSE009R8	6	25	75	6	₹ 1,605
CR11GSE009S5	6	30	100	6	₹ 1,863
CR11GSE009T3	6	50	150	6	₹ 2,904
CR11GSE009X4	7	20	60	7	₹ 1,686
CR11GSE00A04	8	20	60	8	₹ 1,839
CR11GSE00A12	8	25	75	8	₹ 2,259
CR11GSE00A20	8	30	100	8	₹ 3,009
CR11GSE00A38	8	50	150	8	₹ 4,056
CR11GSE00PJ2	8	50	200	8	₹ 6,453
CR11GSE00A46	9	25	75	9	₹ 2,832
CR11GSE00A79	10	25	75	10	₹ 3,135
CR11GSE00A87	10	40	100	10	₹ 3,927
CR11GSE00A95	10	60	150	10	₹ 5,622
CR11GSE00PL8	10	60	200	10	₹ 8,169
CR11GSE00HB8	11	25	75	11	₹ 4,083
CR11GSE00AA7	12	25	75	12	₹ 4,092
CR11GSE00AB5	12	40	100	12	₹ 5,235
CR11GSE00AC3	12	60	150	12	₹ 7,134
CR11GSE00AD0	12	60	200	12	₹ 9,585
CR11GSE00SR2	13	25	75	13	₹ 4,959
CR11GSE00HC6	13	40	100	13	₹ 6,642
CR11GSE00332	14	30	75	14	₹ 4,959
CR11GSE00AF6	14	40	100	14	₹ 6,642
CR11GSE00AG4	14	60	150	14	₹ 9,441
CR11GSE00AH2	14	60	200	14	₹ 12,585
CR11GSE00HW2	16	30	75	16	₹ 6,723
CR11GSE00AJ7	16	40	100	16	₹ 8,403
CR11GSE00AK5	16	60	150	16	₹ 12,417
CR11GSE00AL3	16	60	200	16	₹ 16,053
CR11GSE00AM1	18	40	100	18	₹ 11,058
CR11GSE00AN8	18	60	150	18	₹ 15,969
CR11GSE00AP4	18	60	200	18	₹ 21,381
CR11GSE00AQ2	20	40	100	20	₹ 13,173
CR11GSE00AR0	20	60	150	20	₹ 19,434
CR11GSE00AS7	20	60	200	20	₹ 26,475
CR11GSE00PK0	22	40	100	22	₹ 15,963
CR11GSE00AT5	25	40	100	25	₹ 19,545
CR11GSE00AU3	25	60	150	25	₹ 29,307
CR11GSE00AV1	25	60	200	25	₹ 39,576

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Series	202		Carbide 1X series 4-Flute General Purpose Ball Nose TiALN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR11GBE007H9	3	15	50	3	₹ 894
CR11GBE007J4	3	20	75	3	₹ 1,485
CR11GBE007K2	3	25	100	3	₹ 1,680
CR11GBE007L0	4	14	50	4	₹ 921
CR11GBE007M8	4	20	75	4	₹ 1,581
CR11GBE007N5	4	25	100	4	₹ 1,728
CR11GBE007P1	5	16	50	5	₹ 1,185
CR11GBE007Q9	5	20	75	5	₹ 1,629
CR11GBE007R7	5	25	100	5	₹ 1,824
CR11GBE007S4	6	16	50	6	₹ 1,365
CR11GBE007T2	6	25	75	6	₹ 1,917
CR11GBE007U0	6	30	100	6	₹ 2,076
CR11GBE007V8	6	50	150	6	₹ 3,450
CR11GBE007W6	7	20	60	7	₹ 1,869
CR11GBE007X3	8	20	60	8	₹ 1,908
CR11GBE007Y1	8	25	75	8	₹ 2,349
CR11GBE007Z9	8	30	100	8	₹ 3,036
CR11GBE00800	8	50	150	8	₹ 4,272
CR11GBE00818	9	25	75	9	₹ 3,207
CR11GBE00826	10	25	75	10	₹ 3,288
CR11GBE00834	10	40	100	10	₹ 4,080
CR11GBE00842	10	60	150	10	₹ 5,847
CR11GBE00FU5	10	60	200	10	₹ 8,577
CR11GBE00859	12	25	75	12	₹ 4,260
CR11GBE00867	12	40	100	12	₹ 5,442
CR11GBE00875	12	60	150	12	₹ 7,470
CR11GBE00883	12	60	200	12	₹ 10,206
CR11GBE00C17	14	30	75	14	₹ 5,913
CR11GBE00891	14	40	100	14	₹ 6,660
CR11GBE008A3	14	60	150	14	₹ 10,596
CR11GBE008B1	14	60	200	14	₹ 13,248
CR11GBE00C74	16	30	75	16	₹ 7,134
CR11GBE008C9	16	40	100	16	₹ 8,862
CR11GBE008D6	16	60	150	16	₹ 13,467
CR11GBE008E4	16	60	200	16	₹ 17,316
CR11GBE008F2	18	40	100	18	₹ 11,499
CR11GBE008G0	18	60	150	18	₹ 17,244
CR11GBE008H8	18	60	200	18	₹ 21,993
CR11GBE008J3	20	40	100	20	₹ 13,641
CR11GBE008K1	20	60	150	20	₹ 20,451
CR11GBE008L9	20	60	200	20	₹ 26,079
CR11GBE008M7	25	40	100	25	₹ 20,670
CR11GBE008N4	25	60	150	25	₹ 30,942
CR11GBE008P0	25	60	200	25	₹ 41,859

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Series	204		Carbide 1X series 2-Flute Ball Nose for Wood Working		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR1XGBE00EY8	4	22	50	4	₹ 717
CR1XGBE00EZ6	5	22	50	5	₹ 897
CR1XGBE00E16	6	22	50	6	₹ 1,077

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Series	205		Carbide 1X series 4-Flute Flat End Mills upto 50HRc		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR16GSE00N14	1	3	50	4	₹ 1,017
CR16GSE00N22	1.5	4	50	4	₹ 1,017
CR16GSE00HX4	2	6	50	4	₹ 969
CR16GSE00HY2	2.5	8	50	4	₹ 969
CR16GSE00HZ0	3	12	50	3	₹ 897
CR16GSE00UN3	3	12	50	4	₹ 969
CR16GSE00J00	3	20	75	3	₹ 1,227
CR16GSE00J18	3	25	100	3	₹ 1,554
CR16GSE00J26	4	14	50	4	₹ 882
CR16GSE00J34	4	20	75	4	₹ 1,368
CR16GSE00J42	4	25	100	4	₹ 1,611
CR16GSE00J59	5	16	50	5	₹ 1,242
CR16GSE00J67	5	20	75	5	₹ 1,638
CR16GSE00J75	5	25	100	5	₹ 1,905
CR16GSE00J83	6	16	50	6	₹ 1,242
CR16GSE00J91	6	25	75	6	₹ 1,731
CR16GSE00JA3	6	30	100	6	₹ 2,022
CR16GSE00JB1	6	50	150	6	₹ 2,967
CR16GSE00JC9	8	20	60	8	₹ 2,007
CR16GSE00UP9	8	25	75	8	₹ 2,427
CR16GSE00JD6	8	30	100	8	₹ 3,087
CR16GSE00JE4	8	50	150	8	₹ 4,242
CR16GSE00JF2	10	25	75	10	₹ 3,234
CR16GSE00JG0	10	40	100	10	₹ 4,071
CR16GSE00JH8	10	50	150	10	₹ 5,727
CR16GSE00JJ3	12	25	75	12	₹ 4,257
CR16GSE00JK1	12	40	100	12	₹ 5,508
CR16GSE00TC9	12	50	100	12	₹ 5,508
CR16GSE00JL9	12	50	150	12	₹ 7,791
CR16GSE00UQ7	14	40	100	14	₹ 7,167
CR16GSE00JM7	16	40	100	16	₹ 8,517
CR16GSE00JN4	16	50	150	16	₹ 12,780
CR16GSE00UR5	18	40	100	18	₹ 10,917
CR16GSE00JP0	20	40	100	20	₹ 13,599
CR16GSE00US2	20	60	150	20	₹ 18,744

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Series	206		Carbide 1X series 2-Flute Ballnose upto 50HRc		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR16GBE00CJ7	1	3	50	4	₹ 1,116
CR16GBE00CK5	1.5	4	50	4	₹ 1,116
CR16GBE00CL3	2	6	50	4	₹ 1,116
CR16GBE00CM1	2.5	8	50	4	₹ 1,116
CR16GBE00CN8	3	12	50	3	₹ 1,038
CR16GBE00CP4	3	20	75	3	₹ 1,413
CR16GBE00CQ2	3	25	100	3	₹ 1,743
CR16GBE00CR0	4	16	50	4	₹ 1,071
CR16GBE00CS7	4	20	75	4	₹ 1,623
CR16GBE00CT5	4	25	100	4	₹ 1,929
CR16GBE00CU3	5	16	50	5	₹ 1,368
CR16GBE00CV1	5	20	75	5	₹ 1,896
CR16GBE00CW9	5	25	100	5	₹ 2,049
CR16GBE00CX6	6	16	50	6	₹ 1,419
CR16GBE00CY4	6	25	75	6	₹ 2,007
CR16GBE00CZ2	6	30	100	6	₹ 2,331
CR16GBE00D03	6	40	150	6	₹ 3,306
CR16GBE00D11	8	20	60	8	₹ 2,118
CR16GBE00D29	8	30	100	8	₹ 3,288
CR16GBE00D37	8	50	150	8	₹ 4,653
CR16GBE00D45	10	25	75	10	₹ 3,456
CR16GBE00D52	10	40	100	10	₹ 4,320
CR16GBE00D60	10	50	150	10	₹ 6,096
CR16GBE00D78	12	25	75	12	₹ 4,506
CR16GBE00D86	12	40	100	12	₹ 5,823
CR16GBE00D94	12	50	150	12	₹ 8,220
CR16GBE00DA6	16	40	100	16	₹ 8,856
CR16GBE00DB4	16	50	150	16	₹ 13,746

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Series	207		Carbide 1X Taper End Mills TiALN Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A°)	PL-54
20703008002-F	3	42	80	6	2°	₹ 2,811
20705008002-F	5	42	80	8	2°	₹ 3,132
20707008002-F	7	42	80	10	2°	₹ 4,260
20709008002-F	9	42	80	12	2°	₹ 5,013
20702508003-F	2.5	32	80	6	3°	₹ 2,811
20703008003-F	3	48	80	8	3°	₹ 3,132
20704008003-F	4	38	80	8	3°	₹ 3,132
20706008003-F	6	38	80	10	3°	₹ 4,260
20708010503-F	8	56	105	14	3°	₹ 8,136
20702506305-F	2.5	20	63	6	5°	₹ 2,637
20703008005-F	3	28	80	8	5°	₹ 3,132
20704008005-F	4	34	80	10	5°	₹ 4,260
20706009005-F	6	34	90	12	5°	₹ 6,243
20708010005-F	8	45	100	16	5°	₹ 9,795
20710010505-F	10	56	105	20	5°	₹ 15,396
20703006307-F	3	20	63	8	7°	₹ 2,856
20705008007-F	5	28	80	12	7°	₹ 5,013
20702507510-F	2.5	20	75	10	10°	₹ 4,260
20703008010-F	3	30	80	14	10°	₹ 7,323
20705008010-F	5	30	80	16	10°	₹ 8,400
20708010010-F	8	32	100	20	10°	₹ 15,396
20702506315-F	2.5	16	63	12	15°	₹ 4,689
20704008015-F	4	18	80	14	15°	₹ 7,323
20706508015-F	6.5	24	80	20	15°	₹ 13,194
20708008015-F	8	20	80	20	15°	₹ 13,194

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Series	208		Carbide 1X Taper Ballnose TiALN Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A°)	PL-54
20803008002-F	3	42	80	6	2	₹ 3,018
20805008002-F	5	42	80	8	2	₹ 4,044
20807008002-F	7	42	80	10	2	₹ 5,013
20809008002-F	9	42	80	12	2	₹ 6,243
20803008003-F	3	48	80	8	3	₹ 4,044
20804008003-F	4	38	80	8	3	₹ 4,044
20806008003-F	6	38	80	10	3	₹ 5,013
20808010503-F	8	56	105	14	3	₹ 9,261
20803008005-F	3	28	80	8	5	₹ 4,044
20804008005-F	4	34	80	10	5	₹ 5,013
20806009005-F	6	34	90	12	5	₹ 7,542
20808010005-F	8	45	100	16	5	₹ 10,494
20810010505-F	10	56	105	20	5	₹ 18,195
20803006307-F	3	20	63	8	7	₹ 3,339
20805008007-F	5	28	80	12	7	₹ 6,243
20803008010-F	3	30	80	14	10	₹ 8,400
20805008010-F	5	30	80	16	10	₹ 9,261
20808010010-F	8	32	100	20	10	₹ 18,195
20804008015-F	4	18	80	14	15	₹ 8,400
20806508015-F	6.5	24	80	20	15	₹ 15,396
20808008015-F	8	20	80	20	15	₹ 15,396

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Series	211		Carbide 2F High Helix End Mill for Aluminum		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR1XGSE00TA9	2	6	50	4	₹ 1,161
CR1XGSE00QZ7	3	12	50	3	₹ 783
CR1XGSE00NP2	4	14	50	4	₹ 846
CR1XGSE00NQ0	4	25	75	4	₹ 1,374
CR1XGSE00NR8	4	30	100	4	₹ 1,644
CR1XGSE00NS5	5	16	50	5	₹ 1,149
CR1XGSE00NT3	5	25	75	5	₹ 1,473
CR1XGSE00NU1	5	35	100	5	₹ 1,800
CR1XGSE00NV9	6	18	50	6	₹ 1,230
CR1XGSE00NW7	6	30	75	6	₹ 1,644
CR1XGSE00NX4	6	35	100	6	₹ 1,890
CR1XGSE00NY2	8	20	60	8	₹ 1,842
CR1XGSE00NZ0	8	30	75	8	₹ 2,124
CR1XGSE00P00	8	40	100	8	₹ 2,889
CR1XGSE00P18	10	30	75	10	₹ 3,018
CR1XGSE00P26	10	50	100	10	₹ 3,771
CR1XGSE00P34	12	30	75	12	₹ 3,939
CR1XGSE00P42	12	50	100	12	₹ 5,250
CR1XGSE00P59	14	50	100	14	₹ 6,969
CR1XGSE00P67	16	50	100	16	₹ 8,772
CR1XGSE00P75	20	50	100	20	₹ 13,560
CR1XGSE00UV2	20	80	150	20	₹ 19,461

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Series	212		Carbide 2F High Helix Ball Nose for Aluminum		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR1XGBE00F23	3	12	50	3	₹ 846
CR1XGBE00F31	4	14	50	4	₹ 915
CR1XGBE00F49	4	25	75	4	₹ 1,488
CR1XGBE00F56	4	30	100	4	₹ 1,776
CR1XGBE00F64	5	16	50	5	₹ 1,239
CR1XGBE00F72	5	25	75	5	₹ 1,590
CR1XGBE00F80	5	35	100	5	₹ 1,944
CR1XGBE00F98	6	18	50	6	₹ 1,332
CR1XGBE00FA0	6	30	75	6	₹ 1,776
CR1XGBE00FB8	6	35	100	6	₹ 2,043
CR1XGBE00FC6	8	20	60	8	₹ 1,992
CR1XGBE00FD3	8	30	75	8	₹ 2,295
CR1XGBE00FE1	8	40	100	8	₹ 3,123
CR1XGBE00FF9	10	30	75	10	₹ 3,261
CR1XGBE00FG7	10	50	100	10	₹ 4,077
CR1XGBE00FH5	12	30	75	12	₹ 4,257
CR1XGBE00FJ0	12	50	100	12	₹ 5,667
CR1XGBE00FK8	14	50	100	14	₹ 7,527
CR1XGBE00FL6	16	50	100	16	₹ 9,477
CR1XGBE00FM4	20	50	100	20	₹ 14,646

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Series	213		Carbide 3F High Helix End Mill for Aluminum		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR1XGSE00T06	2	6	50	4	₹ 1,296
CR1XGSE00R08	3	12	50	3	₹ 960
CR1XGSE00N44	4	14	50	4	₹ 990
CR1XGSE00N51	4	25	75	4	₹ 1,596
CR1XGSE00N69	4	30	100	4	₹ 1,890
CR1XGSE00N77	5	16	50	5	₹ 1,317
CR1XGSE00N85	5	25	75	5	₹ 1,692
CR1XGSE00N93	5	35	100	5	₹ 2,070
CR1XGSE00NA5	6	18	50	6	₹ 1,422
CR1XGSE00NB3	6	30	75	6	₹ 1,890
CR1XGSE00NC1	6	35	100	6	₹ 2,169
CR1XGSE00ND8	8	20	60	8	₹ 2,034
CR1XGSE00NE6	8	30	75	8	₹ 2,610
CR1XGSE00NF4	8	40	100	8	₹ 3,198
CR1XGSE00TF8	9	30	75	9	₹ 3,477
CR1XGSE00NG2	10	30	75	10	₹ 3,327
CR1XGSE00NH0	10	50	100	10	₹ 4,164
CR1XGSE00SM4	10	75	150	10	₹ 5,829
CR1XGSE00NJ5	12	30	75	12	₹ 4,344
CR1XGSE00NK3	12	50	100	12	₹ 5,772
CR1XGSE00SN1	12	75	150	12	₹ 8,079
CR1XGSE00NL1	14	50	100	14	₹ 7,335
CR1XGSE00NM9	16	50	100	16	₹ 9,222
CR1XGSE00TG6	18	50	100	18	₹ 12,024
CR1XGSE00NN6	20	50	100	20	₹ 13,821
CR1XGSE00UU4	20	80	150	20	₹ 19,845

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Series	215	Carbide Chamfer Endmill TiALN Coated					

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Item Code	Angle (°)	Tip Dia. (D1)	Flute Length (L1)	Overall Length (L2)	Shank Dia. (D2)	# OF FLUTE	PL-54
CR11GCE00015	60°	0.2	2.4	50	3	2	₹ 720
CR11GCE00023	60°	0.2	3.3	50	4	3	₹ 813
CR11GCE00031	60°	0.2	4.2	50	5	3	₹ 1,017
CR11GCE00049	60°	0.2	5.0	50	6	3	₹ 1,221
CR11GCE00056	60°	0.3	6.7	60	8	3	₹ 2,031
CR11GCE00064	60°	1.0	7.8	75	10	4	₹ 3,189
CR11GCE00072	60°	1.0	9.5	75	12	4	₹ 4,692
21516009060°-F	60°	1.5	12.6	90	16	4	₹ 9,321
21520010060°-F	60°	2.0	15.6	100	20	4	₹ 17,946
CR11GCE00080	90°	0.2	1.4	50	3	2	₹ 720
CR11GCE00098	90°	0.2	1.9	50	4	3	₹ 813
CR11GCE000A0	90°	0.2	2.4	50	5	3	₹ 1,017
CR11GCE000B8	90°	0.2	2.9	50	6	3	₹ 1,221
CR11GCE000C6	90°	0.3	3.9	60	8	3	₹ 2,031
CR11GCE000D3	90°	1.0	4.5	75	10	4	₹ 3,189
CR11GCE000E1	90°	1.0	5.5	75	12	4	₹ 4,692
21516009090°-F	90°	1.5	7.3	90	16	4	₹ 9,321
21520010090°-F	90°	2.0	9.0	100	20	4	₹ 17,946

Series	222		Carbide 1X SUS series 4-Flute End Mills		Back to Selection
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CR1AHSE00LH3	3.0	12	50	4	₹ 1,356
CR1AHSE00SL7	3.0	12	75	3	₹ 1,356
CR1AHSE00MR0	3.5	15	50	4	₹ 1,401
CR1AHSE00MS7	4.0	15	50	4	₹ 1,356
CR1AHSE00LJ8	4.0	16	50	6	₹ 1,644
CR1AHSE00MT5	4.0	25	75	4	₹ 1,941
CR1AHSE00MU3	4.5	15	50	4.5	₹ 1,575
CR1AHSE00MV1	4.5	25	75	4.5	₹ 2,136
CR1AHSE00PE5	5.0	16	50	5	₹ 1,446
CR1AHSE00MJ7	5.0	16	50	6	₹ 1,644
CR1AHSE00R17	5.0	25	75	5	₹ 2,004
CR1AHSE00T15	5.0	35	100	5	₹ 2,577
CR1AHSE00UL5	5.0	40	100	5	₹ 2,577
CR1AHSE00N37	5.5	16	50	5.5	₹ 1,575
CR1AHSE00MW9	5.5	25	75	5.5	₹ 2,136
CR1AHSE00MX6	5.5	35	100	5.5	₹ 2,577
CR1AHSE00LK6	6.0	16	50	6	₹ 1,545
CR1AHSE00MY4	6.0	20	60	6	₹ 2,004
CR1AHSE00LL4	6.0	25	75	6	₹ 2,004
CR1AHSE00SZ6	6.0	40	100	6	₹ 2,682
CR1AHSE00TH5	6.5	20	60	6.5	₹ 2,367
CR1AHSE00LM2	8.0	20	60	8	₹ 2,175
CR1AHSE00LN9	8.0	30	75	8	₹ 2,658
CR1AHSE00LP5	8.0	40	100	8	₹ 3,321
CR1AHSE00LQ3	10.0	30	75	10	₹ 3,465
CR1AHSE00LR1	10.0	40	100	10	₹ 4,341
CR1AHSE00RC8	11.0	30	75	11	₹ 4,548
CR1AHSE00LS8	12.0	30	75	12	₹ 4,548
CR1AHSE00LX7	12.0	40	80	12	₹ 5,193
CR1AHSE00LT6	12.0	40	100	12	₹ 5,817
CR1AHSE00LU4	14.0	40	100	14	₹ 7,770
CR1AHSE00LY5	16.0	32	89	16	₹ 9,525
CR1AHSE00LV2	16.0	50	100	16	₹ 9,801
CR1AHSE00LW0	20.0	50	100	20	₹ 14,418

Series	219		Carbide GP-1X Series Engraving Bit V-shape			
Ordering Code	TIP (t)	Included Angle (a°)	Cutting Length (L1)	Overall Length (L)	Shank Dia (D)	PL-54
219030050-U	0.2	30°	12	50	3	₹ 567
219040050-U	0.2	30°	12	50	4	₹ 681
219050050-U	0.2	30°	15	50	5	₹ 771
219060050-U	0.2	30°	15	50	6	₹ 894
219080060-U	0.4	30°	25	60	8	₹ 1,785
219100075-U	0.4	30°	25	75	10	₹ 3,087
219120075-U	0.4	30°	25	75	12	₹ 4,047
219127075-U	0.4	30°	25	75	12.7	₹ 5,241

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Series	119		Carbide GP-0X Series Engraving Router Bit V-shape			
Ordering Code	TIP (t)	Included Angle (a°)	Cutting Length (L1)	Overall Length (L2)	Shank Dia (D)	PL-54
CX0XEB00013	0.2	30°	12	50	3	₹ 396
CX0XEB00021	0.2	30°	12	50	4	₹ 483
CX0XEB00039	0.2	30°	15	50	5	₹ 546
CX0XEB00047	0.2	30°	15	50	6	₹ 633
CX0XEB00054	0.4	30°	25	60	8	₹ 1,224
CX0XEB00062	0.4	30°	25	75	10	₹ 2,100
219120075-U	0.4	30°	25	75	12	₹ 2,754
219127075-U	0.4	30°	25	75	12.7	₹ 3,564

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Series	102		Carbide 0X series 4-Flute General Purpose Ball Nose TiALN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CX01GBE00186	3	14	50	3	₹ 354
CX01GBE001A6	3	25	75	3	₹ 567
CX01GBE00BT7	3	30	100	3	₹ 747
CX01GBE001B4	4	14	50	4	₹ 402
CX01GBE001D9	4	25	75	4	₹ 636
CX01GBE00AR3	4	30	100	4	₹ 747
CX01GBE001F5	5	16	50	5	₹ 498
CX01GBE001H1	5	25	75	5	₹ 747
CX01GBE001K4	5	35	100	5	₹ 993
CX01GBE001M0	6	18	50	6	₹ 597
CX01GBE001P3	6	30	75	6	₹ 840
CX01GBE001R9	6	35	100	6	₹ 1,152
CX01GBE001T4	6	40	150	6	₹ 1,839
CX01GBE001W8	8	20	60	8	₹ 1,137
CX01GBE00202	8	30	75	8	₹ 1,359
CX01GBE00210	8	40	100	8	₹ 1,707
CX01GBE00CH3	8	30	150	8	₹ 2,616
CX01GBE00236	8	50	150	8	₹ 2,580
CX01GBE00BG6	8	30	200	8	₹ 3,681
CX01GBE00277	10	30	75	10	₹ 1,797
CX01GBE002A5	10	50	100	10	₹ 2,397
CX01GBE00FR8	10	30	150	10	₹ 3,690
CX01GBE002B3	10	60	150	10	₹ 3,690
CX01GBE00B14	10	30	200	10	₹ 4,860
CX01GBE00DU3	11	30	75	11	₹ 2,505
CX01GBE002E6	12	30	75	12	₹ 2,397
CX01GBE002F4	12	40	100	12	₹ 3,117
CX01GBE002H0	12	50	100	12	₹ 3,117
CX01GBE00AS0	12	25	150	12	₹ 4,722
CX01GBE002J5	12	60	150	12	₹ 4,722
CX01GBE00B22	12	30	200	12	₹ 6,453
CX01GBE00DV1	14	30	75	14	₹ 3,528
CX01GBE00DR0	16	30	75	16	₹ 4,230
CX01GBE002N6	16	50	100	16	₹ 5,457
CX01GBE002P2	16	60	150	16	₹ 8,064
CX01GBE00DS7	16	30	200	16	₹ 9,855
CX01GBE00CD1	20	50	100	20	₹ 8,799
CX01GBE00H67	20	30	150	20	₹ 12,669
CX01GBE00DT5	20	30	200	20	₹ 15,321

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Series	110		Carbide 0X series 4-Flute General Purpose Endmills TiALN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CX01GSE00K75	3	14	50	3	₹ 411
CX01GSE00KE4	3	25	75	3	₹ 612
CX01GSE00K83	4	14	50	4	₹ 456
CX01GSE00KF2	4	25	75	4	₹ 681
CX01GSE00KG0	4	30	100	4	₹ 861
CX01GSE00K91	5	16	50	5	₹ 549
CX01GSE00KH8	5	25	75	5	₹ 813
CX01GSE00KJ3	5	35	100	5	₹ 1,083
CX01GSE00L66	5	40	100	5	₹ 1,083
CX01GSE00KA3	6	18	50	6	₹ 681
CX01GSE00KK1	6	30	75	6	₹ 903
CX01GSE00KL9	6	35	100	6	₹ 1,170
CX01GSE00L74	6	40	100	6	₹ 1,170
CX01GSE00V41	7	20	60	7	₹ 1,083
CX01GSE00KB1	8	20	60	8	₹ 1,083
CX01GSE00KM7	8	30	75	8	₹ 1,323
CX01GSE00KN4	8	40	100	8	₹ 1,620
CX01GSE00L82	8	50	100	8	₹ 1,620
CX01GSE00LA2	8	50	150	8	₹ 2,646
CX01GSE00SQ0	9	30	75	9	₹ 1,836
CX01GSE00KC9	10	30	75	10	₹ 1,743
CX01GSE00KP0	10	50	100	10	₹ 2,307
CX01GSE00LB0	10	60	150	10	₹ 3,594
CX01GSE00V33	11	30	75	11	₹ 2,505
CX01GSE00KD6	12	30	75	12	₹ 2,400
CX01GSE00V74	12	30	150	12	₹ 4,767
CX01GSE00KQ8	12	50	100	12	₹ 3,180
CX01GSE00L90	12	60	150	12	₹ 4,665
CX01GSE00MG8	14	50	100	14	₹ 4,770
CX01GSE00KR6	16	50	100	16	₹ 5,466
CX01GSE00LC8	16	60	150	16	₹ 8,295
CX01GSE00MF0	18	50	100	18	₹ 7,362
CX01GSE00KS3	20	50	102	20	₹ 8,844

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Series	103		Carbide 2-Flute GP-0X UpCut Woodworking Router bits			

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Item Code	COATED/ UNCOATED	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-54
CX01GSE000K8	TiALN	1	6	50	3	₹ 348
CX01GSE000M4	TiALN	1.5	8	50	3	₹ 348
CX01GSE00HD9	TiALN	2	8	50	3	₹ 348
CX0XGSE00H46	UNCOATED	2	12	50	3	₹ 354
CX01GSE000P7	TiALN	3	14	50	3	₹ 348
CX0XGSE00016	UNCOATED	3	16	50	3	₹ 291
CX0XGSE00032	UNCOATED	4	22	50	4	₹ 327
CX01GSE000Q5	TiALN	4	22	50	4	₹ 369
CX0XGSE00HG4	UNCOATED	4	30	60	4	₹ 417
CX0XGSE00G13	UNCOATED	4	35	75	4	₹ 504
CX0XGSE00G21	UNCOATED	4	50	100	4	₹ 684
CX01GSE00HE7	TiALN	5	16	50	5	₹ 462
CX01GSE000R3	TiALN	5	22	50	5	₹ 468
CX0XGSE00057	UNCOATED	5	22	50	5	₹ 405
CX0XGSE00FZ4	UNCOATED	5	30	60	5	₹ 519
CX0XGSE00G05	UNCOATED	5	35	75	5	₹ 633
CX0XGSE00GQ3	UNCOATED	5	50	100	5	₹ 858
CX01GSE00H11	TiALN	6	18	50	6	₹ 552
CX01GSE000S0	TiALN	6	22	50	6	₹ 561
CX0XGSE00073	UNCOATED	6	22	50	6	₹ 480
CX0XGSE00099	UNCOATED	6	30	60	6	₹ 615
CX01GSE00G87	TiALN	6	30	75	6	₹ 846
CX0XGSE000A1	UNCOATED	6	35	75	6	₹ 756
CX0XGSE00G88	UNCOATED	6	50	100	6	₹ 1,023
CX01GSE000T8	TiALN	8	20	60	8	₹ 1,017
CX0XGSE00HN8	UNCOATED	8	22	50	8	₹ 774
CX0XGSE00FV3	UNCOATED	8	30	60	8	₹ 966
CX0XGSE00RB5	UNCOATED	7	35	75	7	₹ 1,347
CX0XGSE00GY5	UNCOATED	8	35	75	8	₹ 1,161
CX0XGSE000G8	UNCOATED	8	50	100	8	₹ 1,545
CX01GSE00H29	TiALN	10	30	75	10	₹ 1,695
CX0XGSE00K50	UNCOATED	10	35	75	10	₹ 1,575
CX0XGSE00H53	UNCOATED	10	50	100	10	₹ 2,178
CX01GSE00H37	TiALN	12	30	75	12	₹ 2,316
CX0XGSE00K68	UNCOATED	12	35	75	12	₹ 2,223
CX0XGSE00H61	UNCOATED	12	50	100	12	₹ 2,856

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-54
CX01GBE00C21	TiALN	1	6	50	3	₹ 369
CX01GBE00AX9	TiALN	1.5	8	50	3	₹ 369
CX01GBE000J7	TiALN	2	8	50	3	₹ 369
CX0XGBE00BM4	UNCOATED	2	12	50	3	₹ 348
CX01GBE00BE0	TiALN	2.5	8	50	3	₹ 369
CX01GBE000N8	TiALN	3	14	50	3	₹ 354
CX0XGBE003C1	UNCOATED	3	16	50	3	₹ 345
CX01GBE00G19	TiALN	3	30	100	3	₹ 747
CX01GBE00BJ9	TiALN	4	14	50	4	₹ 402
CX0XGBE003F4	UNCOATED	4	22	50	4	₹ 366
CX0XGBE00BS0	UNCOATED	4	30	60	4	₹ 456
CX0XGBE00BD3	UNCOATED	4	35	75	4	₹ 549
CX01GBE000P4	TiALN	4	22	50	4	₹ 402
CX01GBE00BD2	TiALN	4	25	75	4	₹ 651
CX01GBE00CF7	TiALN	4	30	100	4	₹ 768
CX01GBE00C62	TiALN	5	16	50	5	₹ 498
CX0XGBE003J5	UNCOATED	5	22	50	5	₹ 456
CX0XGBE00054	UNCOATED	5	30	60	5	₹ 567
CX0XGBE003M9	UNCOATED	5	35	75	5	₹ 681
CX0XGBE00070	UNCOATED	5	50	100	5	₹ 903
CX01GBE000Q2	TiALN	5	22	50	5	₹ 498
CX01GBE000R0	TiALN	6	18	50	6	₹ 597
CX0XGBE003Q0	UNCOATED	6	22	50	6	₹ 549
CX0XGBE00088	UNCOATED	6	30	60	6	₹ 681
CX0XGBE000A8	UNCOATED	6	35	75	6	₹ 813
CX0XGBE000C4	UNCOATED	6	50	100	6	₹ 1,083
CX01GBE000T5	TiALN	6	22	50	6	₹ 597
CX01GBE00BZ4	TiALN	6	30	60	6	₹ 762
CX01GBE00CE9	TiALN	6	35	100	6	₹ 1,182
CX01GBE00CG5	TiALN	8	20	60	8	₹ 1,137
CX0XGBE000E9	UNCOATED	8	20	60	8	₹ 1,116
CX0XGBE00AP8	UNCOATED	8	22	50	8	₹ 855
CX0XGBE00AQ6	UNCOATED	8	30	60	8	₹ 1,038
CX0XGBE00BF9	UNCOATED	8	35	75	8	₹ 1,224
CX0XGBE000G5	UNCOATED	8	50	100	8	₹ 1,602
CX01GBE00FS5	TiALN	10	25	150	10	₹ 3,690
CX01GBE00BK7	TiALN	10	30	75	10	₹ 1,797
CX01GBE00G27	TiALN	10	50	100	10	₹ 2,397
CX0XGBE00E20	UNCOATED	10	30	60	10	₹ 1,605
CX0XGBE00DY5	UNCOATED	10	30	75	10	₹ 1,734
CX0XGBE00BN1	UNCOATED	10	50	100	10	₹ 2,235
CX01GBE00BL5	TiALN	12	30	75	12	₹ 2,397
CX0XGBE00DZ3	UNCOATED	12	30	75	12	₹ 2,310
CX0XGBE000H3	UNCOATED	12	50	100	12	₹ 2,931
CX01GBE00AZ5	TiALN	12	25	150	12	₹ 4,722
CX01GBE00C05	TiALN	12	30	200	12	₹ 6,453

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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-54
CX0XGRB00014	3	16	50	3	₹ 453
CX0XGRB00022	4	22	50	4	₹ 483
CX0XGRB00030	4	30	60	4	₹ 603
CX0XGRB00048	4	35	75	4	₹ 720
CX0XGRB00055	4	50	100	4	₹ 957
CX0XGRB00063	5	22	50	5	₹ 603
CX0XGRB00071	5	30	60	5	₹ 753
CX0XGRB00089	5	35	75	5	₹ 897
CX0XGRB00097	5	50	100	5	₹ 1,197
CX0XGRB000A9	6	22	50	6	₹ 720
CX0XGRB000B7	6	30	60	6	₹ 897
CX0XGRB000C5	6	35	75	6	₹ 1,077
CX0XGRB000D2	6	50	100	6	₹ 1,434
CX0XGRB000E0	8	22	50	8	₹ 1,128
CX0XGRB000F8	8	30	60	8	₹ 1,377
CX0XGRB000G6	8	35	75	8	₹ 1,620
CX0XGRB000H4	8	50	100	8	₹ 2,121
CX0XGRB000S9	10	22	50	10	₹ 1,719
CX0XGRB000J9	10	30	60	10	₹ 2,031
CX0XGRB000K7	10	35	75	10	₹ 2,337
CX0XGRB000L5	10	50	100	10	₹ 2,961
CX0XGRB000M3	12	30	60	12	₹ 2,433
CX0XGRB000N0	12	35	75	12	₹ 2,805
CX0XGRB000P6	12	50	100	12	₹ 3,549
CX0XGRB000Q4	14	50	100	14	₹ 5,031
CX0XGRB000R2	16	50	100	16	₹ 5,964

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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-54
10801006048-U	1.00	30	60	6	4^{O} 50'	4.8	₹ 1,170
10801506043-U	1.50	30	60	6	4^{O} 20'	4.3	₹ 1,170
10802006038-U	2.00	30	60	6	3^{O} 50'	3.8	₹ 1,170
10803006029-U	3.00	30	60	6	2^{O} 50'	2.8	₹ 1,170
10804006019-U	4.00	30	60	6	1^{O} 50'	1.8	₹ 1,170
10804007538-U	4.00	30	75	8	3^{O} 50'	3.8	₹ 2,103

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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-54
10901006048-U	1.00	30	60	6	4^{O} 50'	4.8	₹ 1,203
10901506043-U	1.50	30	60	6	4^{O} 20'	4.3	₹ 1,203
10902006038-U	2.00	30	60	6	3^{O} 50'	3.8	₹ 1,203
10903006029-U	3.00	30	60	6	2^{O} 50'	2.9	₹ 1,203
10904006019-U	4.00	30	60	6	1^{O} 50'	1.9	₹ 1,203
10904007538-U	4.00	30	75	8	3^{O} 50'	3.8	₹ 2,163

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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-54
112060075-DOWN-U	6	25		75	6	₹ 1,332
1124392203"-DOWN-U	1/4	1"		3"	1/4	₹ 1,638
112080075-DOWN-U	8	25		75	8	₹ 1,638
112100075-DOWN-U	10	25		75	10	₹ 2,391
112120075-DOWN-U	12	25		75	12	₹ 3,012
1124386203"-DOWN-U	1/2	1"		3"	1/2	₹ 3,765

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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-54
CX0XGCP00018	6	25		6	75	₹ 1,374
CX0XGCP00026	8	25		8	75	₹ 1,689
CX0XGCP00059	10	25		10	75	₹ 2,463
CX0XGCP00034	10	25		10	100	₹ 2,712
CX0XGCP00067	12	25		12	75	₹ 3,105
CX0XGCP00042	12	25		12	100	₹ 3,417
114140130-COMP-U	14	30		14	100	₹ 6,180
CX0XGCP00075	16	32		16	100	₹ 8,241
114200150-COMP-U	20	36		20	100	₹ 12,465
1140635090-COMP-U	1/4"	7/8"		1/4"	3"	₹ 1,689
1140950090-COMP-U	3/8"	1"		3/8"	3"	₹ 2,463
114127100-COMP-U	1/2"	1-5/16"		1/2"	3"	₹ 3,879
114060100-COMP-L-U	6	25	40	6	75	₹ 1,674
1140635100-COMP-L-U	1/4"	7/8"	1-1/2"	1/4"	3"	₹ 2,040
114080100-COMP-L-U	8	25	40	8	100	₹ 2,094
114095100-COMP-L-U	3/8"	1"	1-5/16"	3/8"	3"	₹ 3,006
114100090-COMP-L-U	10	25	40	10	100	₹ 3,006
114120090-COMP-L-U	12	25	40	12	100	₹ 3,879
114127100-COMP-L-U	1/2	1-5/16"	2"	1/2"	4"	₹ 4,410

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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-54
CX0XGSE00QH3	3	15	50	4	₹ 441
CX0XGSE00Q96	3	15	50	6	₹ 639
CX0XGSE00QA8	3	20	50	6	₹ 666
CX0XGSE00QB6	4	16	50	6	₹ 639
CX0XGSE00QJ8	4	20	50	4	₹ 441
CX0XGSE00QC4	4	22	50	6	₹ 666
CX0XGSE00QK6	5	22	50	5	₹ 507
CX0XGSE00QD1	5	22	50	6	₹ 639
CX0XGSE00QE9	6	22	50	6	₹ 600
CX0XGSE00QL4	6	25	60	6	₹ 687
CX0XGSE00QG5	6	30	60	8	₹ 1,083
CX0XGSE00QF7	6	35	75	6	₹ 915
CX0XGSE00QM2	8	30	60	8	₹ 987
CX0XGSE00QN9	8	35	75	8	₹ 1,206
CX0XGSE00QP5	8	50	100	8	₹ 1,599
CX0XGSE00QQ3	10	30	60	10	₹ 1,530
CX0XGSE00QR1	10	40	75	10	₹ 1,764
CX0XGSE00QS8	10	50	100	10	₹ 2,241
CX0XGSE00QT6	12	30	60	12	₹ 1,911
CX0XGSE00QU4	12	35	75	12	₹ 2,220
CX0XGSE00QV2	12	50	100	12	₹ 2,838

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Series	121		Carbide 4F Radius End Mills with NOVA Coating up to 45HRc			
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	CR	PL-54
12103050-R0.5	3.0	14	50	3	R0.5	₹ 507
12103075-R0.5	3.0	25	75	3	R0.5	₹ 759
12104050-R0.5	4.0	14	50	4	R0.5	₹ 564
12104075-R0.5	4.0	25	75	4	R0.5	₹ 843
12104100-R0.5	4.0	30	100	4	R0.5	₹ 1,065
12105050-R0.5	5.0	16	50	5	R0.5	₹ 678
12105075-R0.5	5.0	25	75	5	R0.5	₹ 1,005
12105100-R0.5	5.0	40	100	5	R0.5	₹ 1,338
12106050-R0.5	6.0	18	50	6	R0.5	₹ 810
12106050-R1.0	6.0	18	50	6	R1.0	₹ 810
12106075-R0.5	6.0	30	75	6	R0.5	₹ 1,077
12106100-R0.5	6.0	40	100	6	R0.5	₹ 1,392
12108060-R0.5	8.0	20	60	8	R0.5	₹ 1,236
12108060-R1.0	8.0	20	60	8	R1.0	₹ 1,236
12108075-R0.5	8.0	30	75	8	R0.5	₹ 1,512
12108100-R0.5	8.0	40	100	8	R0.5	₹ 1,929
12108150-R0.5	8.0	50	150	8	R0.5	₹ 3,150
12110075-R0.5	10.0	30	75	10	R0.5	₹ 1,995
12110075-R1.0	10.0	30	75	10	R1.0	₹ 1,995
12110100-R0.5	10.0	50	100	10	R0.5	₹ 2,745
12110150-R0.5	10.0	60	150	10	R0.5	₹ 4,107
12112075-R0.5	12.0	30	75	12	R0.5	₹ 2,742
12112075-R1.0	12.0	30	75	12	R1.0	₹ 2,742
12112100-R0.5	12.0	50	100	12	R0.5	₹ 3,636
12112150-R0.5	12.0	60	150	12	R0.5	₹ 5,331
12114100-R1.0	14.0	50	100	14	R1.0	₹ 5,223
12116100-R1.0	16.0	50	100	16	R1.0	₹ 5,826
12116150-R1.0	16.0	60	150	16	R1.0	₹ 8,847
12118100-R1.0	18.0	50	100	18	R1.0	₹ 7,854
12120100-R1.0	20.0	50	100	20	R1.0	₹ 9,432

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Series	122		Carbide 4F Flat End Mills 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-54
CR0AGSE00UW5	1.0	3.0	50	4	4	₹ 327
CR0AGSE00UX2	1.5	4.5	50	4	4	₹ 327
CR0AGSE00UY0	2.0	6.0	50	4	4	₹ 327
CR0AGSE00UZ8	2.5	7.0	50	4	4	₹ 327
CR0AGSE00V66	3.0	9.0	50	4	4	₹ 327
CR0AGSE00TJ4	3.0	14	50	3	4	₹ 471
CR0AGSE00TK2	3.0	25	75	3	4	₹ 699
CR0AGSE00V09	3.0	30	100	3	4	₹ 870
CR0AGSE00TL0	3.5	14	50	3.5	4	₹ 522
CR0AGSE00TM8	4.0	14	50	4	4	₹ 522
CR0AGSE00TN5	4.0	25	75	4	4	₹ 777
CR0AGSE00TP1	4.0	30	100	4	4	₹ 981
CR0AGSE00TQ9	4.5	16	50	4.5	4	₹ 627
CR0AGSE00TR7	4.5	25	75	4.5	4	₹ 927
CR0AGSE00TS4	5.0	16	50	5	4	₹ 627
CR0AGSE00TT2	5.0	25	75	5	4	₹ 927
CR0AGSE00TU0	5.0	40	100	5	4	₹ 1,236
CR0AGSE00TV8	5.5	18	50	5.5	4	₹ 777
CR0AGSE00TW6	5.5	30	75	5.5	4	₹ 1,035
CR0AGSE00TX3	5.5	40	100	5.5	4	₹ 1,335
CR0AGSE00TY1	6.0	18	50	6	4	₹ 777
CR0AGSE00TZ9	6.0	30	75	6	4	₹ 1,035
CR0AGSE00U00	6.0	40	100	6	4	₹ 1,335
CR0AGSE00V17	6.0	50	150	6	4	₹ 1,866
CR0AGSE00U18	6.5	20	60	6.5	4	₹ 1,185
CR0AGSE00U26	7.0	20	60	7	4	₹ 1,185
CR0AGSE00U34	8.0	20	60	8	4	₹ 1,137
CR0AGSE00U42	8.0	30	75	8	4	₹ 1,386
CR0AGSE00U59	8.0	40	100	8	4	₹ 1,776
CR0AGSE00U67	8.0	60	150	8	4	₹ 2,901
12208200-N	8.0	60	200	8	4	₹ 3,858
CR0AGSE00U75	9.0	30	75	9	4	₹ 1,890
CR0AGSE00U83	10.0	30	75	10	4	₹ 1,827
CR0AGSE00U91	10.0	50	100	10	4	₹ 2,526
CR0AGSE00UA3	10.0	60	150	10	4	₹ 3,765
12210200-N	10.0	60	200	10	4	₹ 5,139
CR0AGSE00UB1	12.0	30	75	12	4	₹ 2,514
CR0AGSE00UC9	12.0	50	100	12	4	₹ 3,483
CR0AGSE00UD6	12.0	60	150	12	4	₹ 5,109
12212200-N	12.0	60	200	12	4	₹ 6,693
CR0AGSE00UE4	14.0	50	100	14	4	₹ 4,995
12214150-N	14.0	60	150	14	4	₹ 7,038
CR0AGSE00UF2	16.0	50	100	16	4	₹ 5,619
CR0AGSE00UG0	16.0	60	150	16	4	₹ 8,532
CR0AGSE00V82	16.0	60	200	16	4	₹ 10,362
CR0AGSE00UH8	18.0	50	100	18	4	₹ 7,572
CR0AGSE00UJ3	20.0	50	100	20	4	₹ 9,096
CR0AGSE00V25	20.0	80	150	20	4	₹ 13,299

Series	123		Carbide Ball Nose with NOVA Coating up to 45HRc			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	# of Flutes	PL-54
CR0ABE00G78	1.0	2	50	4	2	₹ 420
CR0ABE00G86	1.5	3	50	4	2	₹ 420
CR0ABE00G94	2.0	4	50	4	2	₹ 420
CR0ABE00GA6	2.5	5	50	4	2	₹ 420
CR0AGBE00H59	3.0	6	50	4	2	₹ 420
CR0ABE00GB4	3.0	14	50	3	4	₹ 495
CR0ABE00GC2	3.0	25	75	3	4	₹ 738
CR0ABE00GD9	3.0	30	100	3	4	₹ 972
CR0ABE00GE7	4.0	14	50	4	4	₹ 564
CR0ABE00GF5	4.0	25	75	4	4	₹ 828
CR0ABE00GG3	4.0	30	100	4	4	₹ 1,047
CR0ABE00GH1	5.0	16	50	5	4	₹ 699
CR0ABE00GJ6	5.0	25	75	5	4	₹ 1,008
CR0ABE00GK4	5.0	35	100	5	4	₹ 1,293
CR0ABE00GL2	6.0	18	50	6	4	₹ 840
CR0ABE00GM0	6.0	30	75	6	4	₹ 1,092
CR0ABE00GN7	6.0	35	100	6	4	₹ 1,437
CR0ABE00GP3	6.0	40	150	6	4	₹ 2,118
CR0ABE00GQ1	8.0	20	60	8	4	₹ 1,251
CR0ABE00GR9	8.0	30	75	8	4	₹ 1,494
CR0ABE00GS6	8.0	40	100	8	4	₹ 1,965
CR0ABE00GT4	8.0	50	150	8	4	₹ 3,096
CR0ABE00GU2	10.0	30	75	10	4	₹ 1,980
CR0ABE00GV0	10.0	50	100	10	4	₹ 2,757
CR0ABE00GW8	10.0	60	150	10	4	₹ 4,248
CR0ABE00GX5	11.0	30	75	11	4	₹ 2,880
CR0ABE00GY3	12.0	30	75	12	4	₹ 2,757
CR0ABE00GZ1	12.0	50	100	12	4	₹ 3,741
CR0ABE00H02	12.0	60	150	12	4	₹ 5,433
CR0ABE00H10	14.0	50	100	14	4	₹ 5,379
CR0ABE00H28	16.0	50	100	16	4	₹ 6,006
CR0ABE00H36	16.0	60	150	16	4	₹ 9,033
CR0ABE00H44	20.0	50	100	20	4	₹ 9,855

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