



SERIES GROUP	Series	Dia Range	Page No.	Stock	# of Flutes	Coating	Description	Low Carbon Steel	Alloy Steel (up to 35 Rc)	Alloy Steel (36-45Rc)	Austenitic Stainless Steel	Precipitation Hardened Stainless	High Temp Alloys	Titanium	Grey Cast Iron	Ductile Cast Iron	Hardened Materials	Non-Ferrous	MDF / Hard WOOD	
HP-SUS*	222	3-20	3	Yes	4	NOVA	Carbide SUS Series 4F End Mills NOVA Coated	1st	1st	1st	2nd	2nd	2nd	2nd						
	322	3-20	3	Yes	4	NOVA	Carbide SUS Series 4F End Mills NOVA Coated	1st	1st	1st	1st	1st	2nd	2nd						
	422	4-12	3	++	4	NOVA	Carbide SUS Series 4F End Mills NOVA Coated	2nd	2nd	2nd	1st	1st	1st	1st						
	221	3-20	4	++	4	NOVA	Carbide SUS Series 4F Radius End Mills NOVA Coated	1st	1st	1st	2nd	2nd	2nd	2nd						
	321	3-20	4	Yes	4	NOVA	Carbide SUS Series 4F Radius End Mills NOVA Coated	1st	1st	1st	1st	1st	2nd	2nd						
	325	4-20	4	++	5	AL-Pro	Carbide SUS Series 5F Radius End Mills AL-Pro Coated	1st	1st	1st	1st	1st	1st	1st	1st	1st				
HP-SSM	224	4-16	5	++	4	NOVA	Carbide SSM Series 4F End Mills NOVA Coated	2nd	1st	1st	2nd	2nd								
	324	4-20	5	++	4	NOVA	Carbide SSM Series 4F End Mills NOVA Coated	2nd	1st	1st	1st	2nd	2nd	2nd						
HP-4X	401	2-12	6	Yes	4	ALDURA	Carbide 4F Flat End Mills upto 70HRC											<70HRC		
	402	1-12	6	Yes	2	ALDURA	Carbide 2F Ball Nose upto 70HRC											<70HRC		
	403	1-12	6	++	2	ALDURA	Carbide 2F Flat End Mills upto 70HRC											<70HRC		
	406	2-12	7	++	2	ALDURA	Carbide 2F Ball Nose with Taper Neck upto 70HRC											<70HRC		
	407	6-12	7	++	6	ALDURA	Carbide 6F Super-Cut End Mills (High Feed Cutter)											<70HRC		
HP-3X	301	2-16	8	Yes	4	NOVA	Carbide 4F End Mills upto 60HRC											<60HRC		
	302	3-16	9	Yes	4	NOVA	Carbide 4F Ball Nose upto 60HRC											<60HRC		
	303	1-12	10	++	2	NOVA	Carbide 2F End Mills upto 60HRC											<60HRC		
	304	1-12	10	Yes	2	NOVA	Carbide 2F Ball Nose upto 60HRC											<60HRC		
	305	1-4	11	++	2	NOVA	Carbide 2F Rib Processing End Mills upto 60HRC											<60HRC		
	306	1-4	11	++	2	NOVA	Carbide 2F Rib Processing Ball Nose upto 60HRC											<60HRC		
	307	2-12	12	Yes	2	NOVA	Carbide 2F Ball Nose with Taper Neck upto 60HRC											<60HRC		
	308	6-20	12	++	6	NOVA	Carbide 6F Radius End Mills upto 60HRC											<60HRC		
GP-1X	201	2-25	13	Yes	4	TIALN	Carbide GP-4F Flat End Mills	1st	1st						1st	1st		<35HRC	2nd	
	202	3-20	14	Yes	4	TIALN	Carbide GP-4F Ball Nose	1st	1st						1st	1st		<35HRC	2nd	
	203	1-16	15	++	2	TIALN	Carbide GP-2F Flat End Mills	1st	1st						1st	1st			2nd	
	204	1-16	16	++	2	TIALN	Carbide GP-2F Ball Nose	2nd	2nd						2nd	2nd			2nd	2nd
	205	2-16	17	Yes	4	HYPERLOX	Carbide 4F Flat End Mills upto 50HRC												<50HRC	
	206	1-12	18	Yes	2	HYPERLOX	Carbide 2F Ball Nose upto 50HRC												<50HRC	
	207	2-10	19	++	4	TIALN	Carbide 4F Taper End Mills	1st	1st	2nd	2nd	2nd	2nd	2nd	1st	1st				
	208	2-10	19	++	4	TIALN	Carbide 2F Taper Ball Nose	1st	1st	2nd	2nd	2nd	2nd	2nd	1st	1st				
	209	3-4		++	2	TIALN	CLOSED													
	210	3-4		++	2	TIALN	CLOSED													
	211	4-16	20	+	2	-	Carbide 2F High Helix End Mill for Aluminum Alloys												1st	1st
	213	4-16	20	+	3	-	Carbide 3F High Helix End Mill for Aluminum Alloy												1st	1st
219	3-12	21	+	1	-	Carbide Engraving Bit V-shape	1st	1st		1st				1st	1st	1st		1st	1st	
GP-0X	101	2-25	22	Yes	4	TIALN	Carbide GP-4F Flat End Mills	2nd	2nd						2nd	2nd		2nd	2nd	
	102	3-20	23	Yes	4	TIALN	Carbide GP-4F Ball Nose	2nd	2nd						2nd	2nd		2nd	2nd	
	103	1-12	24	Yes	2	-	Carbide GP-2F Flat End Mills for Wood											1st	1st	
	104	1-12	25	Yes	2	-	Carbide GP-2F Ball Nose for Wood												1st	1st
	105	4-16		+	2	-	CLOSED													
	107	3-16	26	+	1	-	Carbide GP-1F End Mills for Wood, Plastics, Non Ferrous												1st	1st
	108	1-4	27	+	2	-	Carbide GP-2F Taper End Mills for Wood, Plastics, Non-Ferrous												1st	1st
	109	1-4	27	+	2	-	Carbide GP-2F Taper Ball Nose for Wood, Plastics, Non-Ferrous												1st	1st
	110	3-20	28	Yes	4	TIALN	Carbide GP-4F Flat End Mills upto 45HRC												<45HRC	
	111	3-12		++	4	TIALN	CLOSED													
	118	3-12	29	+	2	-	Carbide GP- 2 Straight Flutes End Mill for Hard Wood												1st	1st
	119	3-12	21	+	1	-	Carbide Engraving Bit V-shape												1st	1st

* Always use HP end mills over GP end mills for better performance and productivity

Delivery time	
+	1 Week
++	2 Week

GP - General Purpose End Mills
 HP - High Performance End Mills

1st	1st Choice
2nd	2nd Choice



Terms & Conditions (Carbide End Mills)
1. GST will be charged Extra as Applicable
2. Delivery time for Uncoated Non-stock Series / Items 1-week, For coated Non-stock Series / Items 2-weeks
3. MOQ for Non-stock Items : 1~3.9mm - 20nos , 4~9.9mm - 10nos , 10~16mm - 5nos , Above 16mm - 2nos
4. We also manufacture Special Sizes in Carbide End Mills with Special Tolerances
5. Different coatings available on request with associated MOQ
6. Always use HP end mills over GP end mills for higher productivity and better CPC gains

Safe use of cutting tools
<i>· Use safety cover, safety glasses and safety shoes during operation.</i>
<i>· Do not touch cutting edges with bare hands.</i>
<i>· Do not touch cutting chips with bare hands. Chips will be hot after cutting.</i>
<i>· Stop cutting when the tool becomes dull.</i>
<i>· Stop cutting operation immediately if you hear any abnormal cutting sounds.</i>
<i>· Do not modify tools.</i>
<i>· Please use appropriate tools for the operation. Check dimensions to ensure proper selection.</i>



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	222	Carbide SUS Series 4F End Mills NOVA Coated			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR1AHSE00LH3	3	12	50	4	₹ 1,134
CR1AHSE00LJ8	4	16	50	6	₹ 1,377
222040075-N	4	20	75	6	₹ 1,722
CR1AHSE00MJ7	5	16	50	6	₹ 1,377
CR1AHSE00LK6	6	16	50	6	₹ 1,293
CR1AHSE00LL4	6	25	75	6	₹ 1,680
CR1AHSE00LM2	8	20	60	8	₹ 1,824
CR1AHSE00LN9	8	30	75	8	₹ 2,226
CR1AHSE00LP5	8	40	100	8	₹ 2,784
CR1AHSE00LQ3	10	30	75	10	₹ 2,907
CR1AHSE00LR1	10	40	100	10	₹ 3,642
CR1AHSE00LS8	12	30	75	12	₹ 3,816
CR1AHSE00LT6	12	40	100	12	₹ 4,881
CR1AHSE00LU4	14	40	100	14	₹ 6,522
CR1AHSE00LV2	16	50	100	16	₹ 8,226
222180100-N	18	50	100	18	₹ 10,440
CR1AHSE00LW0	20	50	100	20	₹ 12,108

Series	322	Carbide SUS Series 4F End Mills NOVA Coated			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR3AHSE00LZ9	3	12	50	4	₹ 1,311
CR3AHSE00M00	4	16	50	6	₹ 1,659
322040075-N	4	20	75	6	₹ 2,058
CR3AHSE00MK1	5	16	50	6	₹ 1,659
CR3AHSE00M18	6	16	50	6	₹ 1,599
CR3AHSE00M26	6	25	75	6	₹ 1,977
CR3AHSE00M34	8	20	60	8	₹ 2,316
CR3AHSE00M42	8	30	75	8	₹ 2,598
CR3AHSE00M59	8	40	100	8	₹ 3,174
CR3AHSE00M67	10	30	75	10	₹ 3,561
CR3AHSE00M75	10	40	100	10	₹ 4,401
CR3AHSE00M83	12	30	75	12	₹ 4,815
CR3AHSE00MA3	12	40	100	12	₹ 5,850
CR3AHSE00MB1	14	40	100	14	₹ 7,896
CR3AHSE00MD6	16	40	100	16	₹ 9,543
322180100-N	18	40	100	18	₹ 11,931
CR3AHSE00ME4	20	50	100	20	₹ 14,265

Series	422	Carbide SUS Series 4F End Mills NOVA Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
422040050-N	4	16	50	6	₹ 2,355
422050050-N	5	16	50	6	₹ 2,355
422060050-N	6	16	50	6	₹ 2,355
422060075-N	6	25	75	6	₹ 3,201
422080060-N	8	20	60	8	₹ 3,903
422080075-N	8	30	75	8	₹ 4,461
422080100-N	8	40	100	8	₹ 5,478
422100075-N	10	30	75	10	₹ 5,961
422100100-N	10	40	100	10	₹ 7,266
422120075-N	12	30	75	12	₹ 7,611
422120100-N	12	40	100	12	₹ 9,660
422140100-N	14	40	100	14	₹ 11,880
422160100-N	16	40	100	16	₹ 15,126
422200100-N	20	40	100	20	₹ 30,582



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	221	Carbide SUS Series 4F Radius End Mills NOVA Coated				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-51
221030050R0.5-N	3	12	50	4	R0.5	₹ 1,248
221040050R0.5-N	4	16	50	6	R0.5	₹ 1,515
221040075R0.5-N	4	20	75	6	R0.5	₹ 1,896
221050050R0.5-N	5	16	50	6	R0.5	₹ 1,515
221060050R0.5-N	6	16	50	6	R0.5	₹ 1,425
221060075R0.5-N	6	25	75	6	R0.5	₹ 1,848
221080060R1.0-N	8	20	60	8	R1.0	₹ 1,989
221080075R1.0-N	8	30	75	8	R1.0	₹ 2,427
221080100R1.0-N	8	40	100	8	R1.0	₹ 3,036
221100075R1.0-N	10	30	75	10	R1.0	₹ 3,171
221100100R1.5-N	10	40	100	10	R1.5	₹ 3,969
221120075R1.5-N	12	30	75	12	R1.5	₹ 4,047
221120100R1.5-N	12	40	100	12	R1.5	₹ 5,178
221140100R2.0-N	14	40	100	14	R2.0	₹ 7,044
221160100R2.0-N	16	40	100	16	R2.0	₹ 8,886
221180100R2.0-N	18	40	100	18	R2.0	₹ 11,067
221200100R2.0-N	20	50	100	20	R2.0	₹ 13,077

Series	321	Carbide SUS Series 4F Radius End Mills NOVA Coated				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-51
321030050R0.5-N	3	12	50	4	R0.5	₹ 1,482
CR3AHCR0016	4	16	50	6	R0.5	₹ 1,791
321040075R0.5-N	4	20	75	6	R0.5	₹ 2,223
321050050R0.5-N	5	16	50	6	R0.5	₹ 1,842
CR3AHCR0024	6	16	50	6	R0.5	₹ 1,776
CR3AHCR0032	6	25	75	6	R0.5	₹ 2,196
CR3AHCR0040	8	20	60	8	R1.0	₹ 2,457
CR3AHCR0057	8	30	75	8	R1.0	₹ 2,760
CR3AHCR0065	8	40	100	8	R1.0	₹ 3,369
CR3AHCR0099	10	30	75	10	R1.0	₹ 3,846
CR3AHCR0073	10	30	75	10	R1.5	₹ 3,846
CR3AHCR0081	10	40	100	10	R1.5	₹ 4,632
CR3AHCR00B9	12	30	75	12	R1.0	₹ 4,929
CR3AHCR00A1	12	30	75	12	R1.5	₹ 4,929
321120100R1.5-N	12	40	100	12	R1.5	₹ 5,988
321140100R2.0-N	14	40	100	14	R2.0	₹ 8,082
321160100R2.0-N	16	40	100	16	R2.0	₹ 10,044
321180100R2.0-N	18	40	100	18	R2.0	₹ 12,555
321200100R2.0-N	20	50	100	20	R2.0	₹ 15,009

Series	325	Carbide SUS Series 5F Radius End Mills AL-Pro Coated					PL-51
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Reach Length	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-51
325060063R0.3-A	6	12	18	63	6	R0.3	₹ 2,132
325080063R0.5-A	8	16	21	63	8	R0.5	₹ 2,952
325100075R0.5-A	10	22	28	75	10	R0.5	₹ 4,616
325120080R0.75-A	12	27	35	80	12	R0.75	₹ 5,672
325160100R0.75-A	16	32	45	100	16	R0.75	₹ 11,552
325200100R0.75-A	20	40	50	100	20	R0.75	₹ 17,264



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	224	Carbide SSM Series 4F End Mills NOVA Coated			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
224030050-N	3	12	50	4	₹ 1,170
224040050-N	4	16	50	6	₹ 1,419
224040075-N	4	20	75	6	₹ 1,776
224050050-N	5	16	50	6	₹ 1,419
224060050-N	6	16	50	6	₹ 1,332
224060075-N	6	25	75	6	₹ 1,731
224080060-N	8	20	60	8	₹ 1,917
224080075-N	8	30	75	8	₹ 2,337
224080100-N	8	40	100	8	₹ 2,925
224100075-N	10	30	75	10	₹ 3,054
224100100-N	10	40	100	10	₹ 3,825
224120075-N	12	30	75	12	₹ 3,933
224120100-N	12	40	100	12	₹ 4,938
224140100-N	14	40	100	14	₹ 6,720
224160100-N	16	40	100	16	₹ 8,472
224180100-N	18	40	100	18	₹ 10,752
224200100-N	20	50	100	20	₹ 12,474

Series	324	Carbide SSM Series 4F End Mills NOVA Coated			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
324030050-N	3	12	50	4	₹ 1,353
324040050-N	4	16	50	6	₹ 1,710
324040075-N	4	20	75	6	₹ 2,121
324050050-N	5	16	50	6	₹ 1,710
324060050-N	6	16	50	6	₹ 1,650
324060075-N	6	25	75	6	₹ 2,037
324080060-N	8	20	60	8	₹ 2,343
324080075-N	8	30	75	8	₹ 2,631
324080100-N	8	40	100	8	₹ 3,213
324100075-N	10	30	75	10	₹ 3,603
324100100-N	10	40	100	10	₹ 4,416
324120075-N	12	30	75	12	₹ 4,830
324120100-N	12	40	100	12	₹ 5,868
324140100-N	14	40	100	14	₹ 7,920
324160100-N	16	50	100	16	₹ 9,573
324180100-N	18	50	100	18	₹ 11,970
324200100-N	20	50	100	20	₹ 14,313



Series	401	Carbide 4F Flat End Mills upto 70HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR49HSE00JT0	2	6	50	4	₹ 1,599
CR49HSE00JU8	3	12	50	4	₹ 1,599
CR49HSE00JV6	4	12	50	4	₹ 1,599
CR49HSE00JW4	4	20	75	4	₹ 1,935
CR49HSE00JX1	6	16	50	6	₹ 2,103
CR49HSE00JY9	6	25	75	6	₹ 2,829
401080060-L	8	20	60	8	₹ 3,498
CR49HSE00JZ7	8	25	75	8	₹ 3,993
CR49HSE00K08	8	30	100	8	₹ 4,989
CR49HSE00K16	10	25	75	10	₹ 5,406
CR49HSE00K24	10	40	100	10	₹ 6,654
CR49HSE00K32	12	25	75	12	₹ 7,068
CR49HSE00K40	12	40	100	12	₹ 9,144

Series	402	Carbide 2F Ball Nose upto 70HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR49HBE00DC1	1	4	50	4	₹ 1,836
CR49HBE00DD8	2	6	50	4	₹ 1,836
CR49HBE00DE6	3	12	50	4	₹ 1,836
CR49HBE00DF4	4	12	50	4	₹ 1,836
CR49HBE00DG2	4	20	75	4	₹ 2,229
CR49HBE00DH0	6	16	50	6	₹ 2,403
CR49HBE00DJ5	6	25	75	6	₹ 3,276
CR49HBE00DK3	8	25	75	8	₹ 4,587
CR49HBE00DL1	8	30	100	8	₹ 5,709
CR49HBE00DM9	10	25	75	10	₹ 6,180
CR49HBE00DN6	10	40	100	10	₹ 7,608
CR49HBE00DP2	12	25	75	12	₹ 8,085
CR49HBE00DQ0	12	40	100	12	₹ 10,374

Series	403	Carbide 2F Flat End Mills upto 70HRC			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
403010050-L	1	4	50	4	₹ 1,599
403020050-L	2	6	50	4	₹ 1,599
403030050-L	3	12	50	4	₹ 1,599
403040050-L	4	12	50	4	₹ 1,599
403060050-L	6	16	50	6	₹ 2,103
403080075-L	8	25	75	8	₹ 4,032
403100075-L	10	25	75	10	₹ 5,457
403120075-L	12	25	75	12	₹ 7,137



Series	406	Carbide 2F Ball Nose with Taper Neck upto 70HRC					
Ordering Code	R	Flute Diameter (D1)	Reach Length (L3)	Overall Length (L4)	Shank Diameter (D2)	Neck Taper Angle	PL-51
406020601-L	1	2	23	60	6	1°30'	₹ 2,880
406020605-L	1	2	23	60	6	5°	₹ 2,880
406020803-L	1	2	41	80	6	3°	₹ 3,219
406030753-L	1.5	3	32	75	6	3°	₹ 3,219
406030901-L	1.5	3	52	90	6	1°30'	₹ 4,404
406040753-L	2	4.0	28	75	6	3°	₹ 3,132
406040901-L	2	4.0	49	90	6	1°30'	₹ 3,726
406050803-L	2.5	5.0	41	80	8	3°	₹ 4,530
406051001-L	2.5	5.0	61	100	8	1°30'	₹ 5,757
406060803-L	3	6	34	80	8	3°	₹ 4,740
406061001-L	3	6	53	100	8	1°30'	₹ 6,180
406080803-L	4	8	36	80	10	3°	₹ 6,390
406081001-L	4	8	55	100	10	1°30'	₹ 8,547
406100803-L	5	10	40	80	12	3°	₹ 8,211
406101001-L	5	10	59	100	12	1°30'	₹ 11,004
406121103-L	6	12	63	110	16	3°	₹ 20,310
406121301-L	6	12	83	130	16	1°30'	₹ 25,389

Series	407	Carbide 6F Super-Cut End Mills (High Feed Cutter)					
Ordering Code	R	Flute Diameter (D1)	Flute Length (L1)	Reach Length (L3)	Overall Length (L2)	Shank Diameter (D2)	PL-51
40706060R0.5-L	R0.5	6	3	12	60	6	₹ 5,199
40706060R1.0-L	R1.0	6	3	12	60	6	₹ 5,199
40708075R1.0-L	R1.0	8	4	16	75	8	₹ 7,452
40708100R1.0-L	R1.0	8	4	16	100	8	₹ 8,706
40708075R2.0-L	R2.0	8	4	16	75	8	₹ 7,452
40708100R2.0-L	R2.0	8	4	16	100	8	₹ 8,706
40710075R1.0-L	R1.0	10	5	20	75	10	₹ 9,270
40710100R1.0-L	R1.0	10	5	20	100	10	₹ 11,265
40710075R2.0-L	R2.0	10	5	20	75	10	₹ 9,270
40710100R2.0-L	R2.0	10	5	20	100	10	₹ 11,265
40712075R2.0-L	R2.0	12	6	25	75	12	₹ 11,436
40712100R2.0-L	R2.0	12	6	25	100	12	₹ 14,034
40712075R3.0-L	R3.0	12	6	25	75	12	₹ 11,436
40712100R3.0-L	R3.0	12	6	25	100	12	₹ 14,034



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	301	Carbide 4F End Mills upto 60HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR33HSE00BV2	2	4	38	3	₹ 840
CR33HSE00BW0	2	4	50	3	₹ 1,011
CR33HSE00HA2	2.5	12	38	3	₹ 840
CR3XHSE00H93	2.5	12	50	3	₹ 1,011
CR33HSE00H82	3	12	38	3	₹ 729
CR33HSE003A3	3	15	50	3	₹ 930
CR33HSE003C9	3	20	75	3	₹ 1,131
CR33HSE00FY1	3	25	100	3	₹ 1,422
CR33HSE003D6	4	14	50	4	₹ 1,050
CR33HSE003F2	4	20	75	4	₹ 1,212
CR33HSE00FN5	4	25	100	4	₹ 1,494
CR33HSE00HV6	4	50	150	4	₹ 2,400
CR33HSE003G0	5	16	50	5	₹ 1,293
CR33HSE003H8	5	20	75	5	₹ 1,494
CR33HSE00HH7	5	25	100	5	₹ 1,779
CR33HSE003J3	6	16	50	6	₹ 1,401
CR33HSE003K1	6	25	75	6	₹ 1,656
CR33HSE003L9	6	30	100	6	₹ 2,124
CR33HSE00FP1	6	50	150	6	₹ 2,883
CR33HSE003M7	8	20	60	8	₹ 2,211
CR33HSE003N4	8	25	75	8	₹ 2,550
CR33HSE00G59	8	30	100	8	₹ 2,988
CR33HSE003P0	8	50	150	8	₹ 4,209
CR33HSE003R6	10	25	75	10	₹ 3,294
CR33HSE003S3	10	40	100	10	₹ 3,954
CR33HSE003T1	10	60	150	10	₹ 5,820
CR33HSE00CP4	12	25	75	12	₹ 4,329
CR33HSE003U9	12	40	100	12	₹ 5,268
CR33HSE003V7	12	60	150	12	₹ 7,758
CR33HSE00L54	14	40	100	14	₹ 6,837
CR33HSE003X2	16	40	100	16	₹ 8,817
CR33HSE00HT0	16	60	150	16	₹ 12,465
CR33HSE00L47	20	40	100	20	₹ 13,596



Series	302	Carbide 4F Ball Nose upto 60HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR33HBE00364	3	12	50	3	₹ 1,128
CR33HBE00AM0	3	20	75	3	₹ 1,323
CR33HBE00BV9	4	14	50	4	₹ 1,245
CR33HBE00AN7	4	20	75	4	₹ 1,401
CR33HBE00AY3	4	25	100	4	₹ 1,791
CR33HBE00C50	5	16	50	5	₹ 1,512
CR33HBE00BU1	5	20	75	5	₹ 1,758
CR33HBE00DX2	5	25	100	5	₹ 2,085
CR33HBE00BW7	6	16	50	6	₹ 1,629
CR33HBE00372	6	25	75	6	₹ 1,926
CR33HBE00BB3	6	30	100	6	₹ 2,370
CR33HBE00CA4	6	50	150	6	₹ 3,351
CR33HBE00C92	8	20	60	8	₹ 2,439
CR33HBE00380	8	25	75	8	₹ 2,787
CR33HBE00B36	8	30	100	8	₹ 3,294
CR33HBE00C84	8	50	150	8	₹ 4,605
CR33HBE00BY2	10	25	75	10	₹ 3,858
CR33HBE00398	10	40	100	10	₹ 4,800
CR33HBE00B44	10	60	150	10	₹ 6,609
CR33HBE00AH1	12	25	75	12	₹ 5,079
CR33HBE00CB2	12	40	100	12	₹ 6,114
CR33HBE00CC0	12	60	150	12	₹ 8,490
CR33HBE003A0	16	40	100	16	₹ 9,216



Series	303	Carbide 2F End Mills upto 60HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR33HSE00AW1	1	3	50	3	₹ 1,050
CR33HSE00AX8	1	3	50	4	₹ 1,155
CR33HSE00AZ4	1.5	3	50	3	₹ 1,050
CR33HSE00B05	1.5	3	50	4	₹ 1,155
CR33HSE00B21	2	4	50	3	₹ 1,011
CR33HSE00B47	2.5	5	50	3	₹ 1,011
CR33HSE00LF7	3	15	50	3	₹ 930
CR33HSE00LG5	3	20	75	3	₹ 1,131
CR33HSE00B96	4	14	50	4	₹ 1,050
CR33HSE00BA8	4	20	75	4	₹ 1,212
CR33HSE00BB6	4	25	100	4	₹ 1,494
CR33HSE00BC4	5	16	50	5	₹ 1,293
CR33HSE00BD1	5	20	75	5	₹ 1,494
CR33HSE00BE9	5	25	100	5	₹ 1,779
CR33HSE00HS2	6	16	50	6	₹ 1,401
CR33HSE00BG5	6	25	75	6	₹ 1,656
CR33HSE00HU8	6	30	100	6	₹ 2,124
CR33HSE00BJ8	6	50	150	6	₹ 2,883
CR33HSE00HR5	8	20	60	8	₹ 2,211
CR33HSE00BL4	8	25	75	8	₹ 2,550
CR33HSE00BM2	8	30	100	8	₹ 2,988
CR33HSE00BN9	8	50	150	8	₹ 4,209
CR33HSE00HQ7	10	25	75	10	₹ 3,294
CR33HSE00BQ3	10	40	100	10	₹ 3,954
CR33HSE00BR1	10	60	150	10	₹ 5,820
CR33HSE00BS8	12	25	75	12	₹ 4,329
CR33HSE00BT6	12	40	100	12	₹ 5,268
CR33HSE00BU4	12	60	150	12	₹ 7,758

Series	304	Carbide 2F Ball Nose upto 60HRC			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR33HBE008Q0	1	3	50	3	₹ 1,200
CR33HBE008R8	1	3	50	4	₹ 1,344
CR33HBE008T3	1.5	3	50	3	₹ 1,200
303015050-A	1.5	3	50	4	₹ 1,344
CR33HBE008W7	2	4	50	3	₹ 1,164
CR33HBE008Z0	2.5	5	50	3	₹ 1,164
CR33HBE00BR8	3	15	50	3	₹ 1,128
CR33HBE00AT4	3	20	75	3	₹ 1,323
CR33HBE00B51	3	25	100	3	₹ 1,791
CR33HBE00315	4	14	50	4	₹ 1,245
CR33HBE00AU2	4	20	75	4	₹ 1,401
CR33HBE00B69	4	25	100	4	₹ 1,791
CR33HBE00E09	5	16	50	5	₹ 1,512
CR33HBE00C43	5	20	75	5	₹ 1,758
CR33HBE00B93	6	16	50	6	₹ 1,629
CR33HBE00323	6	25	75	6	₹ 1,926
CR33HBE00331	6	30	100	6	₹ 2,370
CR33HBE00BX4	6	50	150	6	₹ 3,351
CR33HBE00BA5	8	20	60	8	₹ 2,439
CR33HBE00BH0	8	25	75	8	₹ 2,787
CR33HBE00B85	8	30	100	8	₹ 3,294
CR33HBE00349	8	50	150	8	₹ 4,605
CR33HBE00356	10	25	75	10	₹ 3,858
CR33HBE00B77	10	40	100	10	₹ 4,800
CR33HBE009M8	10	60	150	10	₹ 6,609
CR33HBE009N5	12	25	75	12	₹ 5,079
CR33HBE00BP2	12	40	100	12	₹ 6,114
CR33HBE009Q9	12	60	150	12	₹ 8,490



Series	305	Carbide 2F Rib Processing End Mills upto 60HRC				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L3)	Shank Diameter (D2)	Reach Length (L2)	PL-51
30501506-N	1.5	2	50	4	6	₹ 1,392
30501510-N	1.5	2	50	4	10	₹ 1,410
30502008-N	2.0	3	50	4	8	₹ 1,332
30502012-N	2.0	3	50	4	12	₹ 1,347
30502016-N	2.0	3	50	4	16	₹ 1,476
30502020-N	2.0	3	50	4	20	₹ 1,476
30502508-N	2.5	4	50	4	8	₹ 1,332
30502512-N	2.5	4	50	4	12	₹ 1,347
30502516-N	2.5	4	50	4	16	₹ 1,476
30502520-N	2.5	4	50	4	20	₹ 1,476
30503008-N	3.0	5	50	6	8	₹ 1,728
30503012-N	3.0	5	50	6	12	₹ 1,716
30503016-N	3.0	5	60	6	16	₹ 1,923
30503020-N	3.0	5	60	6	20	₹ 2,010
30503025-N	3.0	5	75	6	25	₹ 2,208
30504012-N	4.0	6	50	6	12	₹ 1,728
30504016-N	4.0	6	60	6	16	₹ 1,929
30504020-N	4.0	6	75	6	20	₹ 2,139
30504025-N	4.0	6	75	6	25	₹ 2,055
30504030-N	4.0	6	75	6	30	₹ 2,208
30504035-N	4.0	6	75	6	35	₹ 2,286

Series	306	Carbide 2F Rib Processing Ball Nose upto 60HRC				
Ordering Code	R	Flute Diameter (D1)	Overall Length (L3)	Shank Diameter (D2)	Reach Length (L2)	PL-51
30601506-N	0.75	2	50	4	6	₹ 1,614
30601510-N	0.75	2	50	4	10	₹ 1,686
30602008-N	1	2.0	50	4	8	₹ 1,542
30602012-N	1	2.0	50	4	12	₹ 1,611
30602016-N	1	2	50	4	16	₹ 1,752
30602020-N	1	2	50	4	20	₹ 1,752
30602508-N	1.25	3	50	4	8	₹ 1,542
30602512-N	1.25	3	50	4	12	₹ 1,611
30602516-N	1.25	2.5	50	4	16	₹ 1,752
30602520-N	1.25	2.5	50	4	20	₹ 1,752
30603008-N	1.5	3.0	50	6	8	₹ 1,875
30603012-N	1.5	3.0	50	6	12	₹ 1,938
30603016-N	1.5	3	60	6	16	₹ 2,187
30603020-N	1.5	3	60	6	20	₹ 2,286
30603025-N	1.5	3	75	6	25	₹ 2,484
30604012-N	2	4	50	6	12	₹ 1,875
30604016-N	2	4	60	6	16	₹ 2,112
30604020-N	2	4	75	6	20	₹ 2,319
30604025-N	2	4	75	6	25	₹ 2,319
30604030-N	2	4	75	6	30	₹ 2,484
30604035-N	2	4	75	6	35	₹ 2,562



Series	307	Carbide 2F Ball Nose with Taper Neck upto 60HRC					
Ordering Code	R	Flute Diameter (D1)	Reach Length (L3)	Overall Length (L4)	Shank Diameter (D2)	Neck Taper Angle	PL-51
3070200601-N	1	2	23	60	6	1°30'	₹ 2,004
3070200605-N	1	2	23	60	6	5°	₹ 2,004
3070200803-N	1	2	41	80	6	3°	₹ 2,238
3070300753-N	1.5	3	32	75	6	3°	₹ 2,238
3070300901-N	1.5	3	52	90	6	1°30'	₹ 3,198
3070400753-N	2	4	28	75	6	3°	₹ 2,106
3070400901-N	2	4	49	90	6	1°30'	₹ 2,376
3070500803-N	2.5	5	41	80	8	3°	₹ 3,087
3070501001-N	2.5	5	61	100	8	1°30'	₹ 3,624
3070600803-N	3	6	34	80	8	3°	₹ 3,198
3070601001-N	3	6	53	100	8	1°30'	₹ 3,795
3070800803-N	4	8	36	80	10	3°	₹ 3,972
3070801001-N	4	8	55	100	10	1°30'	₹ 5,358
3071000803-N	5	10	40	80	12	3°	₹ 4,959
3071001001-N	5	10	59	100	12	1°30'	₹ 6,786
3071201103-N	6	12	63	110	16	3°	₹ 10,797
3071201301-N	6	12	83	130	16	1°30'	₹ 14,364

Series	308	Carbide 6F Radius End Mills upto 60HRC				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Corner Radius (R)	PL-51
308060075R0.5-N	6	25	75	6	R0.5	₹ 2,151
308060075R1.0-N	6	25	75	6	R1.0	₹ 2,151
308080075R0.5-N	8	25	75	8	R0.5	₹ 2,802
308080075R1.0-N	8	25	75	8	R1.0	₹ 2,802
308080075R1.5-N	8	25	75	8	R1.5	₹ 2,802
308100075R0.5-N	10	30	75	10	R0.5	₹ 4,104
308100075R1.0-N	10	30	75	10	R1.0	₹ 4,104
308100075R1.5-N	10	30	75	10	R1.5	₹ 4,104
308120075R1.0-N	12	30	75	12	R1.0	₹ 4,755
308120075R1.5-N	12	30	75	12	R1.5	₹ 4,755
308120075R2.0-N	12	30	75	12	R2.0	₹ 4,755
308160100R1.0-N	16	40	100	16	R1.0	₹ 9,636
308160100R2.0-N	16	40	100	16	R2.0	₹ 9,636
308160100R3.0-N	16	40	100	16	R3.0	₹ 9,636
308180100R1.0-N	18	40	100	18	R1.0	₹ 14,223
308180100R2.0-N	18	40	100	18	R2.0	₹ 14,223
308180100R3.0-N	18	40	100	18	R3.0	₹ 14,223
308200100R1.0-N	20	40	100	20	R1.0	₹ 16,047
308200100R2.0-N	20	40	100	20	R2.0	₹ 16,047
308200100R3.0-N	20	40	100	20	R3.0	₹ 16,047



Series	201		Carbide GP-4F Flat End Mills		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR11GSE00944	2	9	38	3	₹ 534
CR11GSE00969	2.5	12	38	3	₹ 534
CR11GSE00993	3	12	38	3	₹ 504
CR11GSE009A5	3	15	50	3	₹ 627
CR11GSE009B3	3	20	75	3	₹ 1,041
CR11GSE009C1	3	25	100	3	₹ 1,299
CR11GSE009E6	4	14	50	4	₹ 654
CR11GSE009G2	4	20	75	4	₹ 1,092
CR11GSE009H0	4	25	100	4	₹ 1,302
CR11GSE009J5	5	16	50	5	₹ 858
CR11GSE009K3	5	20	75	5	₹ 1,212
CR11GSE009L1	5	25	100	5	₹ 1,473
CR11GSE009Q0	6	16	50	6	₹ 954
CR11GSE009R8	6	25	75	6	₹ 1,344
CR11GSE009S5	6	30	100	6	₹ 1,560
CR11GSE009T3	6	50	150	6	₹ 2,436
CR11GSE009X4	7	20	60	7	₹ 1,413
CR11GSE00A04	8	20	60	8	₹ 1,539
CR11GSE00A12	8	25	75	8	₹ 1,893
CR11GSE00A20	8	30	100	8	₹ 2,523
CR11GSE00A38	8	50	150	8	₹ 3,675
201080200-F	8	50	200	8	₹ 5,415
CR11GSE00A46	9	25	75	9	₹ 2,376
CR11GSE00A79	10	25	75	10	₹ 2,628
CR11GSE00A87	10	40	100	10	₹ 3,294
CR11GSE00A95	10	60	150	10	₹ 4,719
201100200-F	10	60	200	10	₹ 6,858
CR11GSE00AA7	12	25	75	12	₹ 3,435
CR11GSE00AB5	12	40	100	12	₹ 4,389
CR11GSE00AC3	12	60	150	12	₹ 6,402
CR11GSE00AD0	12	60	200	12	₹ 9,765
CR11GSE00332	14	30	75	14	₹ 4,365
CR11GSE00AF6	14	40	100	14	₹ 5,844
CR11GSE00AG4	14	60	150	14	₹ 8,310
CR11GSE00AH2	14	60	200	14	₹ 11,079
CR11GSE00HW2	16	30	75	16	₹ 5,643
CR11GSE00AJ7	16	40	100	16	₹ 7,053
CR11GSE00AK5	16	60	150	16	₹ 10,425
CR11GSE00AL3	16	60	200	16	₹ 13,479
CR11GSE00AM1	18	40	100	18	₹ 9,282
CR11GSE00AN8	18	60	150	18	₹ 13,407
CR11GSE00AP4	18	60	200	18	₹ 17,952
CR11GSE00AQ2	20	40	100	20	₹ 11,058
CR11GSE00AR0	20	60	150	20	₹ 16,317
CR11GSE00AS7	20	60	200	20	₹ 22,230
201220100-F	22	40	100	22	₹ 12,924
201220150-F	22	60	150	22	₹ 19,566
CR11GSE00AT5	25	40	100	25	₹ 16,410
CR11GSE00AU3	25	60	150	25	₹ 24,609
CR11GSE00AV1	25	60	200	25	₹ 33,231



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	202	Carbide GP-4F Ball Nose			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR11GBE007F3	2.5	12	38	3	₹ 597
CR11GBE007G1	3	12	38	3	₹ 585
CR11GBE007H9	3	15	50	3	₹ 747
CR11GBE007J4	3	20	75	3	₹ 1,242
CR11GBE007K2	3	25	100	3	₹ 1,407
CR11GBE007L0	4	14	50	4	₹ 771
CR11GBE007M8	4	20	75	4	₹ 1,323
CR11GBE007N5	4	25	100	4	₹ 1,446
CR11GBE007P1	5	16	50	5	₹ 993
CR11GBE007Q9	5	20	75	5	₹ 1,365
CR11GBE007R7	5	25	100	5	₹ 1,530
CR11GBE007S4	6	16	50	6	₹ 1,143
CR11GBE007T2	6	25	75	6	₹ 1,608
CR11GBE007U0	6	30	100	6	₹ 1,740
CR11GBE007V8	6	50	150	6	₹ 2,892
CR11GBE007W6	7	20	60	7	₹ 1,566
CR11GBE007X3	8	20	60	8	₹ 1,599
CR11GBE007Y1	8	25	75	8	₹ 1,968
CR11GBE007Z9	8	30	100	8	₹ 2,547
CR11GBE00800	8	50	150	8	₹ 3,456
CR11GBE00818	9	25	75	9	₹ 2,691
CR11GBE00826	10	25	75	10	₹ 2,757
CR11GBE00834	10	40	100	10	₹ 3,423
CR11GBE00842	10	60	150	10	₹ 4,908
202100200-F	10	60	200	10	₹ 6,525
CR11GBE00859	12	25	75	12	₹ 3,573
CR11GBE00867	12	40	100	12	₹ 4,566
CR11GBE00875	12	60	150	12	₹ 6,270
CR11GBE00883	12	60	200	12	₹ 8,814
CR11GBE00C17	14	30	75	14	₹ 5,202
CR11GBE00891	14	40	100	14	₹ 5,862
CR11GBE008A3	14	60	150	14	₹ 9,324
CR11GBE008B1	14	60	200	14	₹ 11,661
CR11GBE00C74	16	30	75	16	₹ 5,988
CR11GBE008C9	16	40	100	16	₹ 7,440
CR11GBE008D6	16	60	150	16	₹ 11,307
CR11GBE008E4	16	60	200	16	₹ 14,541
CR11GBE008F2	18	40	100	18	₹ 9,654
CR11GBE008G0	18	60	150	18	₹ 14,478
CR11GBE008H8	18	60	200	18	₹ 18,465
CR11GBE008J3	20	40	100	20	₹ 11,451
CR11GBE008K1	20	60	150	20	₹ 17,172
CR11GBE008L9	20	60	200	20	₹ 21,900
CR11GBE008M7	25	40	100	25	₹ 17,355
CR11GBE008N4	25	60	150	25	₹ 25,983
CR11GBE008P0	25	60	200	25	₹ 35,151



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	203	Carbide GP-2F Flat End Mills			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR11GSE006G5	1.0	4	38	3	₹ 594
CR11GSE006H3	1.5	6	38	3	₹ 594
CR11GSE006J8	2.0	9	38	3	₹ 534
CR11GSE006K6	2.5	12	38	3	₹ 534
CR11GSE006L4	2.5	13	50	3	₹ 627
CR11GSE006M2	3.0	12	38	3	₹ 504
CR11GSE006N9	3.0	15	50	3	₹ 627
CR11GSE006P5	3.0	20	75	3	₹ 1,041
CR11GSE006Q3	3.0	25	100	3	₹ 1,299
CR11GSE006R1	4.0	14	50	4	₹ 654
CR11GSE006S8	4.0	20	75	4	₹ 1,092
CR11GSE006T6	4.0	25	100	4	₹ 1,302
CR11GSE006U4	5.0	16	50	5	₹ 858
CR11GSE006V2	5.0	20	75	5	₹ 1,212
CR11GSE006W0	5.0	25	100	5	₹ 1,473
CR11GSE006X7	6.0	16	50	6	₹ 954
CR11GSE006Y5	6.0	25	75	6	₹ 1,344
CR11GSE006Z3	6.0	30	100	6	₹ 1,560
CR11GSE00704	6.0	50	150	6	₹ 2,436
CR11GSE00712	7.0	20	60	7	₹ 1,413
CR11GSE00720	8.0	20	60	8	₹ 1,539
CR11GSE00738	8.0	25	75	8	₹ 1,893
CR11GSE00753	8.0	30	100	8	₹ 2,523
CR11GSE00761	8.0	50	150	8	₹ 3,675
CR11GSE00795	9.0	25	75	9	₹ 2,376
CR11GSE007B5	10.0	25	75	10	₹ 2,628
CR11GSE007C3	10.0	40	100	10	₹ 3,294
CR11GSE007D0	10.0	60	150	10	₹ 4,719
CR11GSE007E8	12.0	25	75	12	₹ 3,435
CR11GSE007F6	12.0	40	100	12	₹ 4,389
CR11GSE007G4	12.0	60	150	12	₹ 6,402
CR11GSE007H2	12.0	60	200	12	₹ 9,765
CR11GSE007J7	14.0	40	100	14	₹ 5,844
CR11GSE007K5	14.0	60	150	14	₹ 8,310
CR11GSE007L3	14.0	60	200	14	₹ 11,079
CR11GSE007M1	16.0	40	100	16	₹ 7,053
CR11GSE007N8	16.0	60	150	16	₹ 10,425
CR11GSE007P4	16.0	60	200	16	₹ 13,479
CR11GSE007Q2	18.0	40	100	18	₹ 9,282
CR11GSE007R0	18.0	60	150	18	₹ 13,407
CR11GSE007S7	18.0	60	200	18	₹ 17,952
CR11GSE007T5	20.0	40	100	20	₹ 11,058
CR11GSE007U3	20.0	60	150	20	₹ 16,317
CR11GSE007V1	20.0	60	200	20	₹ 22,230
CR11GSE007W9	25.0	40	100	25	₹ 16,410
CR11GSE007X6	25.0	60	150	25	₹ 24,609
CR11GSE007Y4	25.0	60	200	25	₹ 33,231



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	204	Carbide GP-2F Ball Nose			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR11GBE004Y4	1	4	38	3	₹ 672
CR11GBE004Z2	1.5	6	38	3	₹ 672
CR11GBE00503	2.0	9	38	3	₹ 630
CR11GBE00511	3	12	38	3	₹ 630
CR11GBE00529	3.0	12	38	3	₹ 585
CR11GBE00537	3	15	50	3	₹ 747
CR11GBE00545	3	20	75	3	₹ 1,242
CR11GBE00552	3	25	100	3	₹ 1,407
CR11GBE00560	4	14	50	4	₹ 771
CR11GBE00578	4	20	75	4	₹ 1,323
CR11GBE00586	4	25	100	4	₹ 1,446
CR11GBE00594	5	16	50	5	₹ 993
CR11GBE005A6	5	20	75	5	₹ 1,365
CR11GBE005B4	5	25	100	5	₹ 1,530
CR11GBE005C2	6	16	50	6	₹ 1,143
CR11GBE005D9	6	25	75	6	₹ 1,608
CR11GBE005E7	6	30	100	6	₹ 1,740
CR11GBE005G3	6	50	150	6	₹ 2,892
CR11GBE005H1	7	20	60	7	₹ 1,566
CR11GBE005J6	8	20	60	8	₹ 1,599
CR11GBE005K4	8	25	75	8	₹ 1,968
CR11GBE005L2	8	30	100	8	₹ 2,547
CR11GBE005M0	8	50	150	8	₹ 3,456
CR11GBE005N7	9	25	75	9	₹ 2,691
CR11GBE005P3	10	25	75	10	₹ 2,757
CR11GBE005Q1	10	40	100	10	₹ 3,423
CR11GBE005R9	10	60	150	10	₹ 4,908
CR11GBE005S6	12	25	75	12	₹ 3,573
CR11GBE005T4	12	40	100	12	₹ 4,566
CR11GBE005U2	12	60	150	12	₹ 6,270
CR11GBE005V0	12	60	200	12	₹ 8,814
CR11GBE005W8	14	40	100	14	₹ 5,862
CR11GBE005X5	14	60	150	14	₹ 9,324
CR11GBE005Y3	14	60	200	14	₹ 11,661
CR11GBE005Z1	16	40	100	16	₹ 7,440
CR11GBE00602	16	60	150	16	₹ 11,307
CR11GBE00610	16	60	200	16	₹ 14,541
CR11GBE00628	18	40	100	18	₹ 9,654
CR11GBE00636	18	60	150	18	₹ 14,478
CR11GBE00644	18	60	200	18	₹ 18,465
CR11GBE00651	20	40	100	20	₹ 11,451
CR11GBE00669	20	60	150	20	₹ 17,172
CR11GBE00677	20	60	200	20	₹ 21,900
CR11GBE00685	25	40	100	25	₹ 17,355
CR11GBE00693	25	60	150	25	₹ 25,983
CR11GBE006A5	25	60	200	25	₹ 35,151



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	205	Carbide 4F Flat End Mills upto 50HRc			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR16GSE00HX4	2	6	50	4	₹ 810
CR16GSE00HY2	2.5	8	50	4	₹ 810
CR16GSE00HZ0	3	12	50	3	₹ 750
CR16GSE00J00	3	20	75	3	₹ 1,026
CR16GSE00J18	3	25	100	3	₹ 1,302
CR16GSE00J26	4	14	50	4	₹ 738
CR16GSE00J34	4	20	75	4	₹ 1,146
CR16GSE00J42	4	25	100	4	₹ 1,350
CR16GSE00J59	5	16	50	5	₹ 1,041
CR16GSE00J67	5	20	75	5	₹ 1,374
CR16GSE00J75	5	25	100	5	₹ 1,596
CR16GSE00J83	6	16	50	6	₹ 1,041
CR16GSE00J91	6	25	75	6	₹ 1,449
CR16GSE00JA3	6	30	100	6	₹ 1,692
CR16GSE00JB1	6	50	150	6	₹ 2,487
CR16GSE00JC9	8	20	60	8	₹ 1,683
CR16GSE00JD6	8	30	100	8	₹ 2,589
CR16GSE00JE4	8	50	150	8	₹ 3,558
CR16GSE00JF2	10	25	75	10	₹ 2,712
CR16GSE00JG0	10	40	100	10	₹ 3,414
CR16GSE00JH8	10	50	150	10	₹ 4,806
CR16GSE00JJ3	12	25	75	12	₹ 3,570
CR16GSE00JK1	12	40	100	12	₹ 4,620
CR16GSE00JL9	12	50	150	12	₹ 6,540
CR16GSE00JM7	16	40	100	16	₹ 7,149
CR16GSE00JN4	16	50	150	16	₹ 10,728
CR16GSE00JP0	20	40	100	20	₹ 11,418



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	206		Carbide 2F Ball Nose upto 50HRc		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR16GBE00CJ7	1	3	50	4	₹ 936
CR16GBE00CK5	1.5	4	50	4	₹ 936
CR16GBE00CL3	2	6	50	4	₹ 936
CR16GBE00CM1	2.5	8	50	4	₹ 936
CR16GBE00CN8	3	12	50	3	₹ 867
CR16GBE00CP4	3	20	75	3	₹ 1,182
CR16GBE00CQ2	3	25	100	3	₹ 1,461
CR16GBE00CR0	4	16	50	4	₹ 897
CR16GBE00CS7	4	20	75	4	₹ 1,359
CR16GBE00CT5	4	25	100	4	₹ 1,614
CR16GBE00CU3	5	16	50	5	₹ 1,146
CR16GBE00CV1	5	20	75	5	₹ 1,587
CR16GBE00CW9	5	25	100	5	₹ 1,719
CR16GBE00CX6	6	16	50	6	₹ 1,188
CR16GBE00CY4	6	25	75	6	₹ 1,683
CR16GBE00CZ2	6	30	100	6	₹ 1,953
CR16GBE00D03	6	40	150	6	₹ 2,775
CR16GBE00D11	8	20	60	8	₹ 1,776
CR16GBE00D29	8	30	100	8	₹ 2,757
CR16GBE00D37	8	50	150	8	₹ 3,903
CR16GBE00D45	10	25	75	10	₹ 2,898
CR16GBE00D52	10	40	100	10	₹ 3,624
CR16GBE00D60	10	50	150	10	₹ 5,115
CR16GBE00D78	12	25	75	12	₹ 3,780
CR16GBE00D86	12	40	100	12	₹ 4,887
CR16GBE00D94	12	50	150	12	₹ 6,900
CR16GBE00DA6	16	40	100	16	₹ 7,434
CR16GBE00DB4	16	50	150	16	₹ 11,541



Series	207	Carbide 4F Taper End Mills				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-51
20703008002-F	3	40	80	6	2	₹ 2,469
20705008002-F	5	40	80	8	2	₹ 2,754
20707008002-F	7	40	80	10	2	₹ 3,747
20709008002-F	9	40	80	12	2	₹ 4,410
20702508003-F	2.5	32	80	6	3	₹ 2,469
20703008003-F	3	40	80	8	3	₹ 2,754
20704008003-F	4	38	80	8	3	₹ 2,754
20706008003-F	6	38	80	10	3	₹ 3,747
20708010503-F	8	55	105	14	3	₹ 7,161
20702506305-F	2.5	20	63	6	5	₹ 2,319
20703008005-F	3	28	80	8	5	₹ 2,754
20704008005-F	4	32	80	10	5	₹ 3,747
20706009005-F	6	32	90	12	5	₹ 5,493
20708010005-F	8	45	100	16	5	₹ 8,622
20710010505-F	10	55	105	20	5	₹ 13,554
20703006307-F	3	20	63	8	7	₹ 2,514
20705008007-F	5	28	80	12	7	₹ 4,410
20702507510-F	2.5	20	75	10	10	₹ 3,747
20703008010-F	3	30	80	14	10	₹ 6,444
20705008010-F	5	30	80	16	10	₹ 7,392
20708010010-F	8	32	100	20	10	₹ 13,554
20702506315-F	2.5	16	63	12	15	₹ 4,125
20704008015-F	4	18	80	14	15	₹ 6,444
20706508015-F	6.5	25	80	20	15	₹ 11,613
20708008015-F	8	20	80	20	15	₹ 11,613

Series	208	Carbide 2F Taper Ball Nose				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-51
20803008002-F	3	40	80	6	2	₹ 2,652
20805008002-F	5	40	80	8	2	₹ 3,555
20807008002-F	7	40	80	10	2	₹ 4,410
20809008002-F	9	40	80	12	2	₹ 5,493
20803008003-F	3	40	80	8	3	₹ 3,555
20804008003-F	4	38	80	8	3	₹ 3,555
20806008003-F	6	38	80	10	3	₹ 4,410
20808010503-F	8	55	105	14	3	₹ 8,154
20803008005-F	3	28	80	8	5	₹ 3,555
20804008005-F	4	32	80	10	5	₹ 4,410
20806009005-F	6	32	90	12	5	₹ 6,636
20808010005-F	8	45	100	16	5	₹ 9,240
20810010505-F	10	55	105	20	5	₹ 16,020
20803006307-F	3	20	63	8	7	₹ 2,937
20805008007-F	5	28	80	12	7	₹ 5,493
20803008010-F	3	30	80	14	10	₹ 7,392
20805008010-F	5	30	80	16	10	₹ 8,154
20808010010-F	8	32	100	20	10	₹ 16,020
20804008015-F	4	18	80	14	15	₹ 7,392
20806508015-F	6.5	25	80	20	15	₹ 13,554
20808008015-F	8	20	80	20	15	₹ 13,554



Series	211		Carbide 2F High Helix End Mill for Aluminum Alloys		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR1XGSE00NP2	4	14	50	4	₹ 708
CR1XGSE00NQ0	4	25	75	4	₹ 1,152
CR1XGSE00NR8	4	30	100	4	₹ 1,377
CR1XGSE00NS5	5	16	50	5	₹ 960
CR1XGSE00NT3	5	25	75	5	₹ 1,233
CR1XGSE00NU1	5	35	100	5	₹ 1,506
CR1XGSE00NV9	6	18	50	6	₹ 1,029
CR1XGSE00NW7	6	30	75	6	₹ 1,377
CR1XGSE00NX4	6	35	100	6	₹ 1,584
CR1XGSE00NY2	8	20	60	8	₹ 1,542
CR1XGSE00NZ0	8	30	75	8	₹ 1,779
CR1XGSE00P00	8	40	100	8	₹ 2,424
CR1XGSE00P18	10	30	75	10	₹ 2,532
CR1XGSE00P26	10	50	100	10	₹ 3,165
CR1XGSE00P34	12	30	75	12	₹ 3,303
CR1XGSE00P42	12	50	100	12	₹ 4,404
CR1XGSE00P59	14	50	100	14	₹ 5,850
CR1XGSE00P67	16	50	100	16	₹ 7,362
CR1XGSE00P75	20	50	100	20	₹ 11,385

Series	213		Carbide 3F High Helix End Mill for Aluminum Alloy		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CR1XGSE00N44	4	14	50	4	₹ 828
CR1XGSE00N51	4	25	75	4	₹ 1,335
CR1XGSE00N69	4	30	100	4	₹ 1,584
CR1XGSE00N77	5	16	50	5	₹ 1,104
CR1XGSE00N85	5	25	75	5	₹ 1,419
CR1XGSE00N93	5	35	100	5	₹ 1,734
CR1XGSE00NA5	6	18	50	6	₹ 1,191
CR1XGSE00NB3	6	30	75	6	₹ 1,584
CR1XGSE00NC1	6	35	100	6	₹ 1,818
CR1XGSE00ND8	8	20	60	8	₹ 1,704
CR1XGSE00NE6	8	30	75	8	₹ 2,187
CR1XGSE00NF4	8	40	100	8	₹ 2,682
CR1XGSE00NG2	10	30	75	10	₹ 2,790
CR1XGSE00NH0	10	50	100	10	₹ 3,492
CR1XGSE00NJ5	12	30	75	12	₹ 3,645
CR1XGSE00NK3	12	50	100	12	₹ 4,842
CR1XGSE00NL1	14	50	100	14	₹ 6,156
CR1XGSE00NM9	16	50	100	16	₹ 7,740
CR1XGSE00NN6	20	50	100	20	₹ 11,604

Series	219	Carbide Engraving Bit V-shape				
Ordering Code	TIP (T)	Angle (A*)	Cutting Length (CEL)	Overall Length (OVL)	Shank Dia (SHK)	PL-51
219030033-U	0.2-0.5	10 / 12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	3	₹ 474
219040033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	4	₹ 567
219050033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	5	₹ 642
219060033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	6	₹ 747
219080060-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	60	8	₹ 1,497
219100075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	10	₹ 2,589
219120075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12	₹ 3,393
219127075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12.7	₹ 4,395

Series	119	Carbide Engraving Bit V-shape				
Ordering Code	TIP (T)	Angle (A*)	Cutting Length (CEL)	Overall Length (OVL)	Shank Dia (SHK)	PL-51
219030033-U	0.2-0.5	10 / 12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	3	₹ 336
219040033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	12	33	4	₹ 411
219050033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	5	₹ 462
219060033-U	0.2-0.5	12.5 / 15 / 20 / 25 / 30 / 45 / 60	15	33	6	₹ 537
219080060-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	60	8	₹ 1,047
219100075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	10	₹ 1,794
219120075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12	₹ 2,355
219127075-U	0.4-0.8	15 / 20 / 25 / 30 / 45 / 60 / 75	25	75	12.7	₹ 3,048





Series	101	Carbide GP-4F Flat End Mills			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CX01GSE000X9	2	6	38	3	₹ 276
CX01GSE000Y7	2	8	50	3	₹ 294
CX01GSE00106	2.5	8	50	3	₹ 294
CX01GSE00130	3	12	38	3	₹ 276
CX01GSE00148	3	14	50	3	₹ 294
CX01GSE00155	3	25	75	3	₹ 414
CX01GSE00HM0	3	30	100	3	₹ 567
CX01GSE00171	4	14	50	4	₹ 312
CX01GSE00189	4	22	50	4	₹ 312
CX01GSE001A9	4	25	75	4	₹ 489
CX01GSE001B7	4	30	100	4	₹ 603
CX01GSE001C5	5	16	50	5	₹ 390
CX01GSE001D2	5	25	75	5	₹ 567
CX01GSE001E0	5	30	100	5	₹ 756
CX01GSE001F8	5	35	100	5	₹ 756
CX01GSE001H4	6	18	50	6	₹ 468
CX01GSE001J9	6	30	75	6	₹ 681
CX01GSE001K7	6	35	100	6	₹ 879
CX01GSE00JQ9	6	50	150	6	₹ 1,326
CX01GSE001M3	7	20	60	7	₹ 906
CX01GSE001P6	8	20	60	8	₹ 867
CX01GSE001Q4	8	30	75	8	₹ 1,056
CX01GSE001S9	8	40	100	8	₹ 1,308
CX01GSE001T7	8	60	150	8	₹ 2,061
CX01GSE00GZ2	8	30	200	8	₹ 2,868
CX01GSE001W1	10	30	75	10	₹ 1,449
CX01GSE001X8	10	50	100	10	₹ 1,893
CX01GSE001Y6	10	60	150	10	₹ 2,913
CX01GSE00G38	10	30	200	10	₹ 3,996
CX01GSE00LD5	11	30	75	11	₹ 1,809
CX01GSE00213	12	30	75	12	₹ 1,980
CX01GSE00247	12	50	100	12	₹ 2,568
CX01GSE00254	12	60	150	12	₹ 3,768
CX01GSE00239	12	30	200	12	₹ 5,208
CX01GSE00262	12	75	150	12	₹ 3,768
CX01GSE00270	14	30	75	14	₹ 2,790
CX01GSE00296	14	50	100	14	₹ 3,612
CX01GSE002B6	14	60	150	14	₹ 5,235
CX01GSE002D1	16	30	75	16	₹ 3,381
CX01GSE002F7	16	30	89	16	₹ 4,332
CX01GSE002J8	16	50	100	16	₹ 4,410
CX01GSE002L4	16	60	150	16	₹ 6,468
CX01GSE002H3	16	30	200	16	₹ 8,211
CX01GSE00FX7	18	50	100	18	₹ 5,577
CX01GSE002P5	20	50	100	20	₹ 6,897
CX01GSE00G61	20	80	150	20	₹ 10,251
CX01GSE002N9	20	30	200	20	₹ 12,711
CX01GSE00HF5	25	50	100	25	₹ 10,545
CX01GSE00HJ6	25	60	150	25	₹ 15,330



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	102		Carbide GP-4F Ball Nose		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CX01GBE00160	3	12	38	3	₹ 279
CX01GBE00186	3	14	50	3	₹ 300
CX01GBE001A6	3	25	75	3	₹ 483
CX01GBE00BT7	3	30	100	3	₹ 636
CX01GBE001B4	4	14	50	4	₹ 339
CX01GBE001D9	4	25	75	4	₹ 540
CX01GBE00AR3	4	30	100	4	₹ 636
CX01GBE001F5	5	16	50	5	₹ 423
CX01GBE001H1	5	25	75	5	₹ 636
CX01GBE001K4	5	35	100	5	₹ 846
CX01GBE001M0	6	18	50	6	₹ 507
CX01GBE001P3	6	30	75	6	₹ 714
CX01GBE001R9	6	35	100	6	₹ 981
CX01GBE001T4	6	40	150	6	₹ 1,572
CX01GBE001W8	8	20	60	8	₹ 969
CX01GBE00202	8	30	75	8	₹ 1,161
CX01GBE00210	8	40	100	8	₹ 1,458
CX01GBE00236	8	50	150	8	₹ 2,205
CX01GBE00BG6	8	30	200	8	₹ 3,150
CX01GBE00277	10	30	75	10	₹ 1,536
CX01GBE002A5	10	50	100	10	₹ 2,049
CX01GBE002B3	10	60	150	10	₹ 3,156
CX01GBE00B14	10	30	200	10	₹ 4,158
CX01GBE00DU3	11	30	75	11	₹ 2,010
CX01GBE002E6	12	30	75	12	₹ 2,049
CX01GBE002H0	12	50	100	12	₹ 2,664
CX01GBE002J5	12	60	150	12	₹ 4,041
CX01GBE00B22	12	30	200	12	₹ 5,520
CX01GBE00DV1	14	30	75	14	₹ 3,015
CX01GBE00DR0	16	30	75	16	₹ 3,615
CX01GBE002N6	16	50	100	16	₹ 4,668
CX01GBE002P2	16	60	150	16	₹ 6,900
CX01GBE00DS7	16	30	200	16	₹ 8,436
CX01GBE00CD1	20	50	100	20	₹ 7,530
CX01GBE00DT5	20	30	200	20	₹ 13,113



Series	103	Carbide GP-2F Flat End Mills for Wood				
Item Code UNCOATED	Item Code COATED	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
-	CX01GSE000J0	1	4	38	3	₹ 276
-	CX01GSE000K8	1	6	50	3	₹ 294
-	CX01GSE000L6	1.5	6	38	3	₹ 276
-	CX01GSE000M4	1.5	8	50	3	₹ 294
-	CX01GSE000HD9	2	8	50	3	₹ 294
-	CX01GSE000P7	3	14	50	3	₹ 294
CX0XGSE00016	-	3	16	50	3	₹ 246
CX0XGSE00032	-	4	22	50	4	₹ 276
-	CX01GSE000Q5	4	22	50	4	₹ 312
CX0XGSE000HG4	-	4	30	60	4	₹ 351
CX0XGSE000G13	-	4	35	75	4	₹ 429
CX0XGSE000G21	-	4	50	100	4	₹ 582
-	CX01GSE000HE7	5	16	50	5	₹ 390
CX0XGSE00057	-	5	22	50	5	₹ 342
CX0XGSE000FZ4	-	5	30	60	5	₹ 441
CX0XGSE000G05	-	5	35	75	5	₹ 537
CX0XGSE000GQ3	-	5	50	100	5	₹ 729
-	CX01GSE000H11	6	18	50	6	₹ 468
CX0XGSE00073	-	6	22	50	6	₹ 408
CX0XGSE00099	-	6	30	60	6	₹ 525
CX0XGSE000A1	-	6	35	75	6	₹ 642
CX0XGSE000G88	-	6	50	100	6	₹ 873
-	CX01GSE000T8	8	20	60	8	₹ 867
CX0XGSE000HN8	-	8	22	50	8	₹ 660
CX0XGSE000FV3	-	8	30	60	8	₹ 825
CX0XGSE000GY5	-	8	35	75	8	₹ 990
CX0XGSE000G8	-	8	50	100	8	₹ 1,320
-	CX01GSE000H29	10	30	75	10	₹ 1,446
CX0XGSE000K50	-	10	35	75	10	₹ 1,344
CX0XGSE000H53	-	10	50	100	10	₹ 1,860
-	CX01GSE000H37	12	30	75	12	₹ 1,980
CX0XGSE000K68	-	12	35	75	12	₹ 1,899
CX0XGSE000H61	-	12	50	100	12	₹ 2,442



Series	104	Carbide GP-2F Ball Nose for Wood				
Item Code UNCOATED	Item Code COATED	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
-	CX01GBE00BQ4	1	4	38	3	₹ 294
-	CX01GBE00C21	1	6	50	3	₹ 312
-	CX01GBE00AX9	1.5	8	50	3	₹ 312
-	CX01GBE00DW9	2	6	38	3	₹ 294
-	CX01GBE000J7	2	8	50	3	₹ 312
-	CX01GBE00BE0	2.5	8	50	3	₹ 312
-	CX01GBE000N8	3	14	50	3	₹ 300
CX0XGBE003C1	-	3	16	50	3	₹ 291
-	CX01GBE00BJ9	4	14	50	4	₹ 339
CX0XGBE003F4	-	4	22	50	4	₹ 309
CX0XGBE00BS0	-	4	30	60	4	₹ 387
CX0XGBE00BD3	-	4	35	75	4	₹ 465
-	CX01GBE00CF7	4	30	100	4	₹ 654
-	CX01GBE00C62	5	16	50	5	₹ 423
CX0XGBE003J5	-	5	22	50	5	₹ 387
CX0XGBE00054	-	5	30	60	5	₹ 483
CX0XGBE003M9	-	5	35	75	5	₹ 579
CX0XGBE00070	-	5	50	100	5	₹ 771
-	CX01GBE000R0	6	18	50	6	₹ 507
CX0XGBE003Q0	-	6	22	50	6	₹ 465
CX0XGBE00088	-	6	30	60	6	₹ 579
CX0XGBE000A8	-	6	35	75	6	₹ 693
CX0XGBE000C4	-	6	50	100	6	₹ 924
-	CX01GBE00CG5	8	20	60	8	₹ 969
CX0XGBE00AP8	-	8	22	50	8	₹ 726
CX0XGBE00AQ6	-	8	30	60	8	₹ 885
CX0XGBE00BF9	-	8	35	75	8	₹ 1,047
CX0XGBE000G5	-	8	50	100	8	₹ 1,368
-	CX01GBE00BK7	10	30	75	10	₹ 1,536
CX0XGBE00BN1	-	10	50	100	10	₹ 1,911
-	CX01GBE00BL5	12	30	75	12	₹ 2,049
CX0XGBE000H3	-	12	50	100	12	₹ 2,505
-	CX01GBE00AZ5	12	25	150	12	₹ 4,041
-	CX01GBE00C05	12	30	200	12	₹ 5,520



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	107	Carbide GP-1F End Mills for Wood, Plastics, Non Ferrous			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
107030050-U	3	16	50	3	₹ 384
107040050-U	4	22	50	4	₹ 411
107040060-U	4	30	60	4	₹ 513
107040075-U	4	35	75	4	₹ 612
107040100-U	4	50	100	4	₹ 816
107050050-U	5	22	50	5	₹ 513
107050060-U	5	30	60	5	₹ 639
107050075-U	5	35	75	5	₹ 765
107050100-U	5	50	100	5	₹ 1,020
107060050-U	6	22	50	6	₹ 612
107060060-U	6	30	60	6	₹ 765
107060075-U	6	35	75	6	₹ 918
107060100-U	6	50	100	6	₹ 1,224
107080050-U	8	22	50	8	₹ 963
107080060-U	8	30	60	8	₹ 1,173
107080075-U	8	35	75	8	₹ 1,386
107080100-U	8	50	100	8	₹ 1,812
107100050-U	10	22	50	10	₹ 1,467
107100060-U	10	30	60	10	₹ 1,734
107100075-U	10	35	75	10	₹ 1,998
107100100-U	10	50	100	10	₹ 2,532
107120050-U	12	22	50	12	₹ 1,761
107120060-U	12	30	60	12	₹ 2,079
107120075-U	12	35	75	12	₹ 2,397
107120100-U	12	50	100	12	₹ 3,036
107140100-U	14	50	100	14	₹ 4,305
107160100-U	16	50	100	16	₹ 5,103



Series	108	Carbide GP-2F Taper End Mills for Wood, Plastics, Non-Ferrous				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-51
10801008002-U	1	43	80	4	2	₹ 1,572
10801508002-U	1.5	36	80	4	2	₹ 1,257
10802008002-U	2	29	80	4	2	₹ 1,257
10802010002-U	2	57	100	6	2	₹ 2,070
10802510002-U	2.5	50	100	6	2	₹ 2,070
10801008003-U	1	29	80	4	3	₹ 1,257
10801506003-U	1.5	24	60	4	3	₹ 1,134
10802006003-U	2	19	60	4	3	₹ 1,134
10801010003-U	1	48	100	6	3	₹ 2,070
10801508003-U	1.5	43	80	6	3	₹ 1,884
10802008003-U	2	38	80	6	3	₹ 1,884
10803006003-U	3	29	60	6	3	₹ 1,572
10804005003-U	4	19	50	6	3	₹ 1,416
10803008003.5-U	3	41	80	8	4	₹ 2,514
10803508004.5-U	3.5	41	80	10	5	₹ 2,931
10804008006-U	4	38	80	12	6	₹ 3,558

Series	109	Carbide GP-2F Taper Ball Nose for Wood, Plastics, Non-Ferrous				
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	Taper Angle (A*)	PL-51
10901008002-U	1	43	80	4	2	₹ 1,674
10901508002-U	1.5	36	80	4	2	₹ 1,341
10902008002-U	2	29	80	4	2	₹ 1,341
10902010002-U	2	57	100	6	2	₹ 2,208
10902510002-U	2.5	50	100	6	2	₹ 2,208
10901008003-U	1	29	80	4	3	₹ 1,341
10901506003-U	1.5	24	60	4	3	₹ 1,209
10902006003-U	2	19	60	4	3	₹ 1,209
10901010003-U	1	48	100	6	3	₹ 2,208
10901508003-U	1.5	43	80	6	3	₹ 2,010
10902008003-U	2	38	80	6	3	₹ 2,010
10903006003-U	3	29	60	6	3	₹ 1,674
10904005003-U	4	19	50	6	3	₹ 1,509
10905008002.4-U	5	36	80	8	2	₹ 3,012
10906008001.6-U	6	36	80	8	2	₹ 3,012
10903008002.2-U	3	40	80	6	2	₹ 2,010
10904010002.3-U	4	50	100	8	2	₹ 3,348
10903008005.7-U	3	25	80	8	6	₹ 3,012
10903010001.7-U	3	50	100	6	2	₹ 2,514



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	110	Carbide GP-4F Flat End Mills upto 45HRc			
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
CX01GSE00K75	3	14	50	3	₹ 348
CX01GSE00KE4	3	25	75	3	₹ 522
CX01GSE00K83	4	14	50	4	₹ 387
CX01GSE00KF2	4	25	75	4	₹ 579
CX01GSE00KG0	4	30	100	4	₹ 732
CX01GSE00K91	5	16	50	5	₹ 465
CX01GSE00KH8	5	25	75	5	₹ 693
CX01GSE00KJ3	5	35	100	5	₹ 924
CX01GSE00L66	5	40	100	5	₹ 924
CX01GSE00KA3	6	18	50	6	₹ 579
CX01GSE00KK1	6	30	75	6	₹ 771
CX01GSE00KL9	6	35	100	6	₹ 999
CX01GSE00L74	6	40	100	6	₹ 999
110070060-F	7	20	60	7	₹ 924
CX01GSE00KB1	8	20	60	8	₹ 924
CX01GSE00KM7	8	30	75	8	₹ 1,128
CX01GSE00KN4	8	40	100	8	₹ 1,386
CX01GSE00L82	8	50	100	8	₹ 1,386
CX01GSE00LA2	8	50	150	8	₹ 2,262
110090075-F	9	30	75	9	₹ 1,569
CX01GSE00KC9	10	30	75	10	₹ 1,491
CX01GSE00KP0	10	50	100	10	₹ 1,971
CX01GSE00LB0	10	60	150	10	₹ 3,075
110110075-F	11	30	75	11	₹ 2,010
CX01GSE00KD6	12	30	75	12	₹ 2,052
CX01GSE00KQ8	12	50	100	12	₹ 2,721
CX01GSE00L90	12	60	150	12	₹ 3,990
CX01GSE00MG8	14	50	100	14	₹ 4,080
CX01GSE00KR6	16	50	100	16	₹ 4,674
CX01GSE00LC8	16	60	150	16	₹ 7,098
CX01GSE00MF0	18	50	100	18	₹ 6,300
CX01GSE00KS3	20	50	100	20	₹ 7,569



PL-51 w.e.f 15-Dec-2018
 { GST Extra As Applicable }

Series	118	Carbide GP- 2 Straight Flutes End Mill for Hard Wood			
Ordering Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-51
11803005006-S.F-U	3	15	50	6	₹ 543
11803005006-S.F-U	3	20	50	6	₹ 564
11804005006-S.F-U	4	16	50	6	₹ 543
11804005006-S.F-U	4	22	50	6	₹ 564
11805005006-S.F-U	5	22	50	6	₹ 543
118060050-S.F-U	6	22	50	6	₹ 510
118060075-S.F-U	6	35	75	6	₹ 780
11806006008-S.F-U	6	30	60	8	₹ 924
11803005004-S.F-U	3	15	50	4	₹ 375
118040050-S.F-U	4	20	50	4	₹ 375
118050050-S.F-U	5	22	50	5	₹ 432
118060060-S.F-U	6	25	60	6	₹ 585
118080060-S.F-U	8	30	60	8	₹ 840
118080075-S.F-U	8	35	75	8	₹ 1,029
118080100-S.F-U	8	50	100	8	₹ 1,365
118100060-S.F-U	10	30	60	10	₹ 1,308
118100075-S.F-U	10	40	75	10	₹ 1,503
118100100-S.F-U	10	50	100	10	₹ 1,914
118120060-S.F-U	12	30	60	12	₹ 1,632
118120075-S.F-U	12	35	75	12	₹ 1,896
118120100-S.F-U	12	50	100	12	₹ 2,427