

PL-53 w.e.f 15-Feb-2023
{ GST Extra As Applicable }

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Series	201		Carbide 4F Flat End Mills with TiALN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR11GSE009A5	3	15	50	3	₹ 714
CR11GSE009B3	3	20	75	3	₹ 1,182
CR11GSE009C1	3	25	100	3	₹ 1,476
CR11GSE009E6	4	14	50	4	₹ 744
CR11GSE009G2	4	20	75	4	₹ 1,242
CR11GSE009H0	4	25	100	4	₹ 1,479
CR11GSE009J5	5	16	50	5	₹ 975
CR11GSE009K3	5	20	75	5	₹ 1,377
CR11GSE009L1	5	25	100	5	₹ 1,674
CR11GSE009Q0	6	16	50	6	₹ 1,086
CR11GSE009R8	6	25	75	6	₹ 1,527
CR11GSE009S5	6	30	100	6	₹ 1,773
CR11GSE009T3	6	50	150	6	₹ 2,763
CR11GSE009X4	7	20	60	7	₹ 1,605
CR11GSE00A04	8	20	60	8	₹ 1,749
CR11GSE00A12	8	25	75	8	₹ 2,151
CR11GSE00A20	8	30	100	8	₹ 2,865
CR11GSE00A38	8	50	150	8	₹ 3,861
CR11GSE00PJ2	8	50	200	8	₹ 6,144
CR11GSE00A46	9	25	75	9	₹ 2,697
CR11GSE00A79	10	25	75	10	₹ 2,985
CR11GSE00A87	10	40	100	10	₹ 3,738
CR11GSE00A95	10	60	150	10	₹ 5,352
CR11GSE00PL8	10	60	200	10	₹ 7,779
CR11GSE00HB8	11	25	75	11	₹ 3,888
CR11GSE00AA7	12	25	75	12	₹ 3,897
CR11GSE00AB5	12	40	100	12	₹ 4,983
CR11GSE00AC3	12	60	150	12	₹ 6,792
CR11GSE00AD0	12	60	200	12	₹ 9,126
CR11GSE00HC6	13	40	100	13	₹ 6,324
CR11GSE00332	14	30	75	14	₹ 4,722
CR11GSE00AF6	14	40	100	14	₹ 6,324
CR11GSE00AG4	14	60	150	14	₹ 8,991
CR11GSE00AH2	14	60	200	14	₹ 11,985
CR11GSE00HW2	16	30	75	16	₹ 6,402
CR11GSE00AJ7	16	40	100	16	₹ 8,001
CR11GSE00AK5	16	60	150	16	₹ 11,823
CR11GSE00AL3	16	60	200	16	₹ 15,288
CR11GSE00AM1	18	40	100	18	₹ 10,530
CR11GSE00AN8	18	60	150	18	₹ 15,207
CR11GSE00AP4	18	60	200	18	₹ 20,361
CR11GSE00AQ2	20	40	100	20	₹ 12,543
CR11GSE00AR0	20	60	150	20	₹ 18,507
CR11GSE00AS7	20	60	200	20	₹ 25,212
CR11GSE00PK0	22	40	100	22	₹ 15,201
CR11GSE00AT5	25	40	100	25	₹ 18,612
CR11GSE00AU3	25	60	150	25	₹ 27,909
CR11GSE00AV1	25	60	200	25	₹ 37,689



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Series	202		Carbide 4F Ball Nose with TiAlN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR11GBE007H9	3	15	50	3	₹ 849
CR11GBE007J4	3	20	75	3	₹ 1,413
CR11GBE007K2	3	25	100	3	₹ 1,599
CR11GBE007L0	4	14	50	4	₹ 876
CR11GBE007M8	4	20	75	4	₹ 1,503
CR11GBE007N5	4	25	100	4	₹ 1,644
CR11GBE007P1	5	16	50	5	₹ 1,128
CR11GBE007Q9	5	20	75	5	₹ 1,551
CR11GBE007R7	5	25	100	5	₹ 1,737
CR11GBE007S4	6	16	50	6	₹ 1,299
CR11GBE007T2	6	25	75	6	₹ 1,824
CR11GBE007U0	6	30	100	6	₹ 1,977
CR11GBE007V8	6	50	150	6	₹ 3,285
CR11GBE007W6	7	20	60	7	₹ 1,779
CR11GBE007X3	8	20	60	8	₹ 1,815
CR11GBE007Y1	8	25	75	8	₹ 2,235
CR11GBE007Z9	8	30	100	8	₹ 2,889
CR11GBE00800	8	50	150	8	₹ 4,068
CR11GBE00818	9	25	75	9	₹ 3,054
CR11GBE00826	10	25	75	10	₹ 3,129
CR11GBE00834	10	40	100	10	₹ 3,885
CR11GBE00842	10	60	150	10	₹ 5,568
CR11GBE00FU5	10	60	200	10	₹ 8,166
CR11GBE00859	12	25	75	12	₹ 4,056
CR11GBE00867	12	40	100	12	₹ 5,181
CR11GBE00875	12	60	150	12	₹ 7,113
CR11GBE00883	12	60	200	12	₹ 9,720
CR11GBE00C17	14	30	75	14	₹ 5,631
CR11GBE00891	14	40	100	14	₹ 6,342
CR11GBE008A3	14	60	150	14	₹ 10,089
CR11GBE008B1	14	60	200	14	₹ 12,615
CR11GBE00C74	16	30	75	16	₹ 6,792
CR11GBE008C9	16	40	100	16	₹ 8,439
CR11GBE008D6	16	60	150	16	₹ 12,825
CR11GBE008E4	16	60	200	16	₹ 16,491
CR11GBE008F2	18	40	100	18	₹ 10,950
CR11GBE008G0	18	60	150	18	₹ 16,422
CR11GBE008H8	18	60	200	18	₹ 20,943
CR11GBE008J3	20	40	100	20	₹ 12,990
CR11GBE008K1	20	60	150	20	₹ 19,476
CR11GBE008L9	20	60	200	20	₹ 24,837
CR11GBE008M7	25	40	100	25	₹ 19,683
CR11GBE008N4	25	60	150	25	₹ 29,466
CR11GBE008P0	25	60	200	25	₹ 39,864



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Series	204		Carbide 2F Ball Nose with TiALN Coated		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR11GBE00537	3	15	50	3	₹ 849
CR11GBE00545	3	20	75	3	₹ 1,413
CR11GBE00552	3	25	100	3	₹ 1,599
CR11GBE00560	4	14	50	4	₹ 876
CR11GBE00578	4	20	75	4	₹ 1,503
CR11GBE00586	4	25	100	4	₹ 1,644
CR11GBE00594	5	16	50	5	₹ 1,128
CR11GBE005A6	5	20	75	5	₹ 1,551
CR11GBE005B4	5	25	100	5	₹ 1,737
CR11GBE005C2	6	16	50	6	₹ 1,299
CR11GBE005D9	6	25	75	6	₹ 1,824
CR11GBE005E7	6	30	100	6	₹ 1,977
CR11GBE005J6	8	20	60	8	₹ 1,815
CR11GBE005K4	8	25	75	8	₹ 2,235
CR11GBE005L2	8	30	100	8	₹ 2,889
CR11GBE005P3	10	25	75	10	₹ 3,129
CR11GBE005Q1	10	40	100	10	₹ 3,885
CR11GBE005S6	12	25	75	12	₹ 4,056
CR11GBE005T4	12	40	100	12	₹ 5,181



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Series	204		Carbide 2F Uncoated Ball Nose for Wood		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR1XGBE00EY8	4	22	50	4	₹ 681
CR1XGBE00EZ6	5	22	50	5	₹ 852
CR1XGBE00E16	6	22	50	6	₹ 1,023



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Series	205		Carbide 4F Flat End Mills up to 50HRC with Hyperlox Coated		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-53
CR16GSE00N14	1	3	50	4	₹ 966
CR16GSE00N22	1.5	4	50	4	₹ 966
CR16GSE00HX4	2	6	50	4	₹ 921
CR16GSE00HY2	2.5	8	50	4	₹ 921
CR16GSE00HZ0	3	12	50	3	₹ 852
CR16GSE00J00	3	20	75	3	₹ 1,167
CR16GSE00J18	3	25	100	3	₹ 1,479
CR16GSE00J26	4	14	50	4	₹ 840
CR16GSE00J34	4	20	75	4	₹ 1,302
CR16GSE00J42	4	25	100	4	₹ 1,533
CR16GSE00J59	5	16	50	5	₹ 1,182
CR16GSE00J67	5	20	75	5	₹ 1,560
CR16GSE00J75	5	25	100	5	₹ 1,812
CR16GSE00J83	6	16	50	6	₹ 1,182
CR16GSE00J91	6	25	75	6	₹ 1,647
CR16GSE00JA3	6	30	100	6	₹ 1,923
CR16GSE00JB1	6	50	150	6	₹ 2,823
CR16GSE00JC9	8	20	60	8	₹ 1,911
CR16GSE00JD6	8	30	100	8	₹ 2,940
CR16GSE00JE4	8	50	150	8	₹ 4,038
CR16GSE00JF2	10	25	75	10	₹ 3,078
CR16GSE00JG0	10	40	100	10	₹ 3,876
CR16GSE00JH8	10	50	150	10	₹ 5,454
CR16GSE00JJ3	12	25	75	12	₹ 4,053
CR16GSE00JK1	12	40	100	12	₹ 5,244
CR16GSE00JL9	12	50	150	12	₹ 7,419
CR16GSE00JM7	16	40	100	16	₹ 8,109
CR16GSE00JN4	16	50	150	16	₹ 12,171
CR16GSE00JP0	20	40	100	20	₹ 12,951



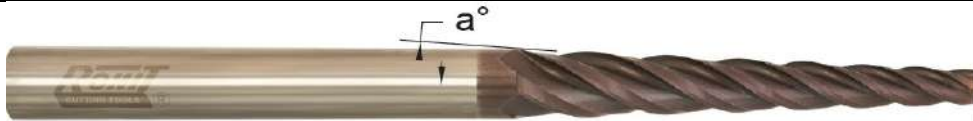
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Series	206		Carbide 2F Ball Nose up to 50HRC with Hyperlox Coated		
Item Code	Flute Diameter (D1)	Flute Length (L2)	Overall Length (L1)	Shank Diameter (D2)	PL-53
CR16GBE00CJ7	1	3	50	4	₹ 1,062
CR16GBE00CK5	1.5	4	50	4	₹ 1,062
CR16GBE00CL3	2	6	50	4	₹ 1,062
CR16GBE00CM1	2.5	8	50	4	₹ 1,062
CR16GBE00CN8	3	12	50	3	₹ 987
CR16GBE00CP4	3	20	75	3	₹ 1,344
CR16GBE00CQ2	3	25	100	3	₹ 1,659
CR16GBE00CR0	4	16	50	4	₹ 1,020
CR16GBE00CS7	4	20	75	4	₹ 1,545
CR16GBE00CT5	4	25	100	4	₹ 1,836
CR16GBE00CU3	5	16	50	5	₹ 1,302
CR16GBE00CV1	5	20	75	5	₹ 1,803
CR16GBE00CW9	5	25	100	5	₹ 1,950
CR16GBE00CX6	6	16	50	6	₹ 1,350
CR16GBE00CY4	6	25	75	6	₹ 1,911
CR16GBE00CZ2	6	30	100	6	₹ 2,220
CR16GBE00D03	6	40	150	6	₹ 3,147
CR16GBE00D11	8	20	60	8	₹ 2,016
CR16GBE00D29	8	30	100	8	₹ 3,129
CR16GBE00D37	8	50	150	8	₹ 4,431
CR16GBE00D45	10	25	75	10	₹ 3,291
CR16GBE00D52	10	40	100	10	₹ 4,113
CR16GBE00D60	10	50	150	10	₹ 5,805
CR16GBE00D78	12	25	75	12	₹ 4,290
CR16GBE00D86	12	40	100	12	₹ 5,544
CR16GBE00D94	12	50	150	12	₹ 7,827
CR16GBE00DA6	16	40	100	16	₹ 8,433
CR16GBE00DB4	16	50	150	16	₹ 13,089



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Series	207	Carbide 1X Taper End Mills with TiAlN Coated				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A°)	PL-53
20703008002-F	3	42	80	6	2	₹ 2,727
20705008002-F	5	42	80	8	2	₹ 3,039
20707008002-F	7	42	80	10	2	₹ 4,134
20709008002-F	9	42	80	12	2	₹ 4,866
20702508003-F	2.5	32	80	6	3	₹ 2,727
20703008003-F	3	48	80	8	3	₹ 3,039
20704008003-F	4	38	80	8	3	₹ 3,039
20706008003-F	6	38	80	10	3	₹ 4,134
20708010503-F	8	56	105	14	3	₹ 7,899
20702506305-F	2.5	20	63	6	5	₹ 2,559
20703008005-F	3	28	80	8	5	₹ 3,039
20704008005-F	4	34	80	10	5	₹ 4,134
20706009005-F	6	34	90	12	5	₹ 6,060
20708010005-F	8	45	100	16	5	₹ 9,507
20710010505-F	10	56	105	20	5	₹ 14,946
20703006307-F	3	20	63	8	7	₹ 2,772
20705008007-F	5	28	80	12	7	₹ 4,866
20702507510-F	2.5	20	75	10	10	₹ 4,134
20703008010-F	3	30	80	14	10	₹ 7,107
20705008010-F	5	30	80	16	10	₹ 8,154
20708010010-F	8	32	100	20	10	₹ 14,946
20702506315-F	2.5	16	63	12	15	₹ 4,551
20704008015-F	4	18	80	14	15	₹ 7,107
20706508015-F	6.5	24	80	20	15	₹ 12,807
20708008015-F	8	20	80	20	15	₹ 12,807



Series	208	Carbide 1X Taper Ball Nose with TiAlN Coated				
Ordering Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	Taper Angle (A°)	PL-53
20803008002-F	3	42	80	6	2	₹ 2,928
20805008002-F	5	42	80	8	2	₹ 3,924
20807008002-F	7	42	80	10	2	₹ 4,866
20809008002-F	9	42	80	12	2	₹ 6,060
20803008003-F	3	48	80	8	3	₹ 3,924
20804008003-F	4	38	80	8	3	₹ 3,924
20806008003-F	6	38	80	10	3	₹ 4,866
20808010503-F	8	56	105	14	3	₹ 8,991
20803008005-F	3	28	80	8	5	₹ 3,924
20804008005-F	4	34	80	10	5	₹ 4,866
20806009005-F	6	34	90	12	5	₹ 7,320
20808010005-F	8	45	100	16	5	₹ 10,188
20810010505-F	10	56	105	20	5	₹ 17,664
20803006307-F	3	20	63	8	7	₹ 3,240
20805008007-F	5	28	80	12	7	₹ 6,060
20803008010-F	3	30	80	14	10	₹ 8,154
20805008010-F	5	30	80	16	10	₹ 8,991
20808010010-F	8	32	100	20	10	₹ 17,664
20804008015-F	4	18	80	14	15	₹ 8,154
20806508015-F	6.5	24	80	20	15	₹ 14,946
20808008015-F	8	20	80	20	15	₹ 14,946



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Series	211		Carbide 2F High Helix End Mill for Aluminum Alloys		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR1XGSE00TA9	2	6	50	4	₹ 1,104
CR1XGSE00QZ7	3	12	50	3	₹ 744
CR1XGSE00NP2	4	14	50	4	₹ 804
CR1XGSE00NQ0	4	25	75	4	₹ 1,308
CR1XGSE00NR8	4	30	100	4	₹ 1,563
CR1XGSE00NS5	5	16	50	5	₹ 1,092
CR1XGSE00NT3	5	25	75	5	₹ 1,401
CR1XGSE00NU1	5	35	100	5	₹ 1,713
CR1XGSE00NV9	6	18	50	6	₹ 1,170
CR1XGSE00NW7	6	30	75	6	₹ 1,563
CR1XGSE00NX4	6	35	100	6	₹ 1,800
CR1XGSE00NY2	8	20	60	8	₹ 1,752
CR1XGSE00NZ0	8	30	75	8	₹ 2,022
CR1XGSE00P00	8	40	100	8	₹ 2,751
CR1XGSE00P18	10	30	75	10	₹ 2,874
CR1XGSE00P26	10	50	100	10	₹ 3,591
CR1XGSE00P34	12	30	75	12	₹ 3,750
CR1XGSE00P42	12	50	100	12	₹ 4,998
CR1XGSE00P59	14	50	100	14	₹ 6,636
CR1XGSE00P67	16	50	100	16	₹ 8,352
CR1XGSE00P75	20	50	100	20	₹ 12,912



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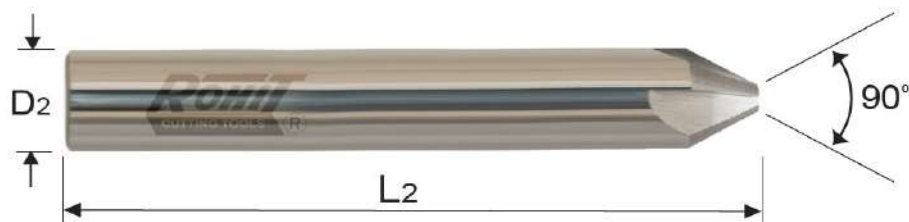
Series	213		Carbide 3F High Helix End Mill for Aluminum Alloys		
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR1XGSE00T06	2	6	50	4	₹ 1,233
CR1XGSE00R08	3	12	50	3	₹ 912
CR1XGSE00N44	4	14	50	4	₹ 942
CR1XGSE00N51	4	25	75	4	₹ 1,518
CR1XGSE00N69	4	30	100	4	₹ 1,800
CR1XGSE00N77	5	16	50	5	₹ 1,254
CR1XGSE00N85	5	25	75	5	₹ 1,611
CR1XGSE00N93	5	35	100	5	₹ 1,971
CR1XGSE00NA5	6	18	50	6	₹ 1,353
CR1XGSE00NB3	6	30	75	6	₹ 1,800
CR1XGSE00NC1	6	35	100	6	₹ 2,064
CR1XGSE00ND8	8	20	60	8	₹ 1,935
CR1XGSE00NE6	8	30	75	8	₹ 2,484
CR1XGSE00NF4	8	40	100	8	₹ 3,045
CR1XGSE00NG2	10	30	75	10	₹ 3,168
CR1XGSE00NH0	10	50	100	10	₹ 3,963
CR1XGSE00NJ5	12	30	75	12	₹ 4,137
CR1XGSE00NK3	12	50	100	12	₹ 5,496
CR1XGSE00NL1	14	50	100	14	₹ 6,984
CR1XGSE00NM9	16	50	100	16	₹ 8,781
CR1XGSE00NN6	20	50	100	20	₹ 13,161



Series	212	Carbide 2F High Helix Ball Nose for Aluminum Alloys			
Item Code	Flute Diameter (D1)	Flute Length (L1)	Overall Length (L2)	Shank Diameter (D2)	PL-53
CR1XGBE00F23	3	12	50	3	₹ 804
CR1XGBE00F31	4	14	50	4	₹ 870
CR1XGBE00F49	4	25	75	4	₹ 1,416
CR1XGBE00F56	4	30	100	4	₹ 1,689
CR1XGBE00F64	5	16	50	5	₹ 1,179
CR1XGBE00F72	5	25	75	5	₹ 1,512
CR1XGBE00F80	5	35	100	5	₹ 1,851
CR1XGBE00F98	6	18	50	6	₹ 1,266
CR1XGBE00FA0	6	30	75	6	₹ 1,689
CR1XGBE00FB8	6	35	100	6	₹ 1,944
CR1XGBE00FC6	8	20	60	8	₹ 1,896
CR1XGBE00FD3	8	30	75	8	₹ 2,184
CR1XGBE00FE1	8	40	100	8	₹ 2,973
CR1XGBE00FF9	10	30	75	10	₹ 3,105
CR1XGBE00FG7	10	50	100	10	₹ 3,882
CR1XGBE00FH5	12	30	75	12	₹ 4,053
CR1XGBE00FJ0	12	50	100	12	₹ 5,397
CR1XGBE00FK8	14	50	100	14	₹ 7,167
CR1XGBE00FL6	16	50	100	16	₹ 9,024
CR1XGBE00FM4	20	50	100	20	₹ 13,947



Series	215	Carbide Countersink with TiAlN Coated			
Ordering Code	Included Angle (*)	Shank Dia. (d2)	OAL (l1)	# NO. OF FLUTE	PL-53
21504005060-F	60 Deg	4	50	3	₹ 774
21506005760-F	60 Deg	6	57	3	₹ 1,161
21508006060-F	60 Deg	8	60	3	₹ 1,932
21510007560-F	60 Deg	10	75	4	₹ 3,036
21512007560-F	60 Deg	12	75	4	₹ 4,467
21516009060-F	60 Deg	16	90	4	₹ 8,877
21520010060-F	60 Deg	20	100	4	₹ 17,091
21504005090-F	90 Deg	4	50	3	₹ 774
21506005790-F	90 Deg	6	57	3	₹ 1,161
21508006090-F	90 Deg	8	60	3	₹ 1,932
21510007590-F	90 Deg	10	75	4	₹ 3,036
21512007590-F	90 Deg	12	75	4	₹ 4,467
21516009090-F	90 Deg	16	90	4	₹ 8,877



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Series	219	Carbide Uncoated Engraving Bit V-shape				
Ordering Code	TIP (t)	Included Angle (2xA*)	Cutting Length (L1)	Overall Length (L2)	Shank Dia (D)	PL-53
219030050-U	0.2	30 Deg	12	50	3	₹ 540
219040050-U	0.2	30 Deg	12	50	4	₹ 648
219050050-U	0.2	30 Deg	15	50	5	₹ 732
219060050-U	0.2	30 Deg	15	50	6	₹ 849
219080060-U	0.4	30 Deg	25	60	8	₹ 1,698
219100075-U	0.4	30 Deg	25	75	10	₹ 2,940
219120075-U	0.4	30 Deg	25	75	12	₹ 3,852
219127075-U	0.4	30 Deg	25	75	12.7	₹ 4,989



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Series	119	Carbide Uncoated Engraving Bit V-shape				
Ordering Code	TIP (t)	Included Angle (2xA*)	Cutting Length (L1)	Overall Length (L2)	Shank Dia (D)	PL-53
CX0XEB00013	0.2	30 Deg.	12	50	3	₹ 384
CX0XEB00021	0.2	30 Deg.	12	50	4	₹ 468
CX0XEB00039	0.2	30 Deg.	15	50	5	₹ 528
CX0XEB00047	0.2	30 Deg.	15	50	6	₹ 612
CX0XEB00054	0.4	30 Deg.	25	60	8	₹ 1,188
119100075-U	0.4	30 Deg.	25	75	10	₹ 2,037
119120075-U	0.4	30 Deg.	25	75	12	₹ 2,673
119127075-U	0.4	30 Deg.	25	75	12.7	₹ 3,459

