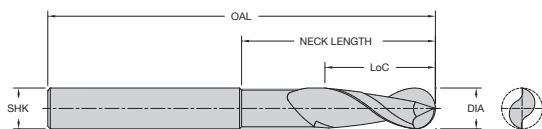
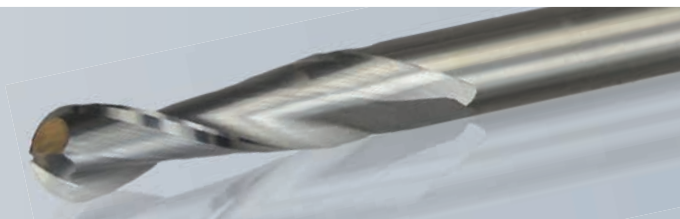


# 52-200B/BL Series Upcut Spiral Ball Nose



Designed for carving and modeling operations. Their improved tip geometry gives a superior cut compared to most ballnose endmills.

52-200B Series Two Flute - Solid Carbide **Upcut** Spiral Ball Nose Product Offering - Metric

Part Number	Cutting DIA (mm)	LoC (mm)	SHK DIA (mm)	OAL (mm)	Flutes
52-240BM	3	12	6	50	2
52-280BM	6	22	6	64	2
52-320BM	10	29	10	76	2
52-360BM	12	29	12	76	2

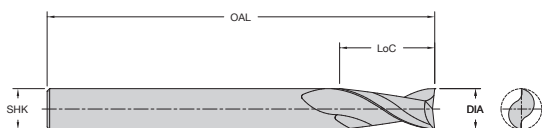
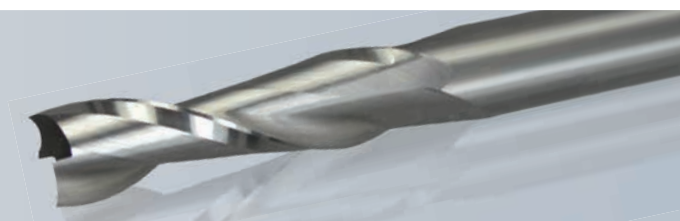
52-200B Series Two Flute - Solid Carbide **Upcut** Spiral Ball Nose Product Offering

Part Number	Cutting DIA (in)	LoC (in)	SHK DIA (in)	OAL (in)	Flutes
52-235B	1/16	1/4	1/8	2	2
52-244B	1/8	1/2	1/8	2	2
52-240B	1/8	1/2	1/4	2	2
52-260B	3/16	3/4	1/4	2	2
52-280B	1/4	7/8	1/4	2-1/2	2
52-320B	3/8	1-1/8	3/8	3	2
52-360B	1/2	1-1/8	1/2	3	2
52-386B	5/8	2-1/4	5/8	4	2
52-397B	3/4	2-1/2	3/4	5	2

52-200BL Series Two Flute - Solid Carbide **Upcut** Spiral Ball Nose - Extended Length Product Offering

Part Number	Cutting DIA (in)	LoC (in)	ERL (in)	SHK DIA (in)	OAL (in)	Flutes
52-235BL	1/16	1/4	-	1/8	3	2
52-244BL	1/8	1/2	1-5/8	1/8	3	2
52-240BL	1/8	1/2	1-5/8	1/4	3	2
52-260BL	3/16	3/4	1-5/8	1/4	3	2
52-280BL	1/4	1	2-5/8	1/4	4	2
52-320BL	3/8	1-1/4	2-5/8	3/8	4	2
52-360BL	1/2	1-1/2	3-5/8	1/2	5	2
52-386BL	5/8	2-1/2	3-5/8	5/8	5	2
52-397BL	3/4	3	4-5/8	3/4	6	2

# 52-400 Series Upcut Spiral Wood Rout



Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.

52-400 Series Two Flute - Solid Carbide **Upcut** Spiral Rout Product Offering - Metric

Part Number	Cutting DIA (mm)	LoC (mm)	SHK DIA (mm)	OAL (mm)	Flutes
52-410	4	16	6	64	2
52-411	5	20	6	64	2
52-412	6	25	6	64	2
52-414	8	25	8	64	2
52-416	10	35	10	76	2
52-418	12	35	12	76	2

HELIX ANGLE  $\approx 30^\circ$