

BCEL2 SERIES

Ball End 45° Helix For Aluminum - 2FL Necked XL



The BCEL2 is the gold standard in Aluminum cutting end mills. Elliptical gash on the ball end with 2 flutes cutting to center leaves better finishes, and it the best choice for contouring (hem stitching). A great do-it-all cutter that you can full slot with, but also produces great finishes. Best all around option for low HP machines in Aluminum. 2fl high helix provides less tool pressure and excellent chip evacuation that is perfect for long reach applications.

- Elliptical Gash On Ball Vastly Improves Shear Producing A Better Finish.
- 45 Degree Helix For Better Shear And Excellent Chip Evacuation.
- Micro-Polished Edge Prep And Double Rake Flutes For Incredible Finishes.
- Premium Micrograin Carbide Blanks And Eccentric Relief For Superior Strength And Wear Resistance.
- Tightest Standard Tolerances In The Industry For Unmatched Consistency.

How To Build Your 16 Digit Part Number

First6	Middle6	End Geo	Coolant Hole	Coating	=	Part # to Order
AC0125	2588I0	B0	0	0		AC01252588I0B000

First 6 GEO & DIA#	Middle 6 FL, LOC, & LBS#						End Geometry	Pick 1	Pick 1
		DIA	FL#	LOC	LBS	OAL	Ball Nose	Coolant Hole None	Coating None
AC0125	2588I0	0.125	2	0.250	0.500	1.500	B0	0	0
	2588U1	0.125	2	0.250	0.750	2.000			
	258CS1	0.125	2	0.250	1.000	2.000			
	258DG3	0.125	2	0.250	1.250	2.500			
AC0187	2628I1	0.187	2	0.312	0.500	2.000	B0	0	0
	262BU5	0.187	2	0.312	0.750	3.000			
	262CS5	0.187	2	0.312	1.000	3.000			
	262DG5	0.187	2	0.312	1.250	3.000			
	262E65	0.187	2	0.312	1.500	3.000			
	262EW5	0.187	2	0.312	1.750	3.000			
AC0250	26WBU1	0.250	2	0.375	0.750	2.000	B0	0	0
	26WCS3	0.250	2	0.375	1.000	2.500			
	26WDG3	0.250	2	0.375	1.250	2.500			
	26WE65	0.250	2	0.375	1.500	3.000			
	26WEW5	0.250	2	0.375	1.750	3.000			
	26WFK7	0.250	2	0.375	2.000	3.500			
	26WGG7	0.250	2	0.375	2.250	3.500			
	26WGS9	0.250	2	0.375	2.500	4.000			
AC0312	27QBU1	0.312	2	0.437	0.750	2.000	B0	0	0
	27QCS3	0.312	2	0.437	1.000	2.500			
	27QDG3	0.312	2	0.437	1.250	2.500			
	27QE65	0.312	2	0.437	1.500	3.000			
	27QEW5	0.312	2	0.437	1.750	3.000			
	27QFK7	0.312	2	0.437	2.000	3.500			
	27QG67	0.312	2	0.437	2.250	3.500			
	27QGS9	0.312	2	0.437	2.500	4.000			
	27QI8I	0.312	2	0.437	3.125	6.000			
	27QKAI	0.312	2	0.437	4.000	6.000			
AC0375	28ICS3	0.375	2	0.500	1.000	2.500	B0	0	0
	28IDG5	0.375	2	0.500	1.250	3.000			
	28IE65	0.375	2	0.500	1.500	3.000			
	28IFK7	0.375	2	0.500	2.000	3.500			
	28IG69	0.375	2	0.500	2.250	4.000			
	28IGSB	0.375	2	0.500	2.500	4.500			
	28IHYE	0.375	2	0.500	3.000	5.000			
	28IJ4G	0.375	2	0.500	3.500	5.500			
	28IQI	0.375	2	0.500	3.750	6.000			
	28IKAI	0.375	2	0.500	4.000	6.000			

Non-Standard Lengths And Diameters Available Upon Request.

BCEL2 SERIES Continued



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First6	Middle6	End Geo	Coolant Hole	Coating	=	Part # to Order
AC0437	29CCS4	B0	0	0		AC043729CCS4B000

GEO & DIA#	FL,LOC, & LBS#						Ball	Coolant Hole	Coating
		DIA	FL#	LOC	LBS	OAL	Nose	None	None
AC0437	29CCS4	0.437	2	0.562	1.000	2.750	B0	0	0
	29CDG4	0.437	2	0.562	1.250	2.750			
	29CE67	0.437	2	0.562	1.500	3.500			
	29CFK9	0.437	2	0.562	2.000	4.000			
	29CGSB	0.437	2	0.562	2.500	4.500			
	29CHYE	0.437	2	0.562	3.000	5.000			
	29CJ4G	0.437	2	0.562	3.500	5.500			
	29CKAI	0.437	2	0.562	4.000	6.000			
AC0500	2A6CS5	0.500	2	0.625	1.000	3.000	B0	0	0
	2A6DU7	0.500	2	0.625	1.375	3.500			
	2A6E67	0.500	2	0.625	1.500	3.500			
	2A6FK9	0.500	2	0.625	2.000	4.000			
	2A6G69	0.500	2	0.625	2.250	4.000			
	2A6GSB	0.500	2	0.625	2.500	4.500			
	2A6HYE	0.500	2	0.625	3.000	5.000			
	2A6J4G	0.500	2	0.625	3.500	5.500			
	2A6KAI	0.500	2	0.625	4.000	6.000			
	2A6LGK	0.500	2	0.625	4.500	6.500			
2A6MML	0.500	2	0.625	5.000	7.000				
AC0625	2BUCS5	0.625	2	0.750	1.000	3.000	B0	0	0
	2BUE67	0.625	2	0.750	1.500	3.500			
	2BUEW9	0.625	2	0.750	1.750	4.000			
	2BUFK9	0.625	2	0.750	2.000	4.000			
	2BUGGC	0.625	2	0.750	2.375	4.625			
	2BUHYE	0.625	2	0.750	3.000	5.000			
	2BUJ4G	0.625	2	0.750	3.500	5.500			
	2BUKAI	0.625	2	0.750	4.000	6.000			
	2BUL6I	0.625	2	0.750	4.375	6.000			
	2BULGK	0.625	2	0.750	4.500	6.500			
	2BUNUN	0.625	2	0.750	5.500	7.500			
2BUQ0P	0.625	2	0.750	6.000	8.000				
AC0750	2CSFK9	0.750	2	1.000	2.000	4.000	B0	0	0
	2CSGSB	0.750	2	1.000	2.500	4.500			
	2CSHYE	0.750	2	1.000	3.000	5.000			
	2CSJ4G	0.750	2	1.000	3.500	5.500			
	2CSKAI	0.750	2	1.000	4.000	6.000			
	2CSLGK	0.750	2	1.000	4.500	6.500			
	2CSMML	0.750	2	1.000	5.000	7.000			
	2CSNUN	0.750	2	1.000	5.500	7.500			
	2CSQ0P	0.750	2	1.000	6.000	8.000			
AC1000	2CSE69	1.000	2	1.000	1.500	4.000	B0	0	0
	2DGFKB	1.000	2	1.250	2.000	4.500			
	2DGGSE	1.000	2	1.250	2.500	5.000			
	2DGHCG	1.000	2	1.250	2.750	5.500			
	2DGJ4I	1.000	2	1.250	3.500	6.000			
	2DGKAK	1.000	2	1.250	4.000	6.500			
	2DGLGL	1.000	2	1.250	4.500	7.000			
	2DGMMN	1.000	2	1.250	5.000	7.500			
	2DGNUP	1.000	2	1.250	5.500	8.000			
	2DGQ0Q	1.000	2	1.250	6.000	8.500			
	2DGR6R	1.000	2	1.250	6.500	9.000			
	2DGLGL	1.000	2	1.250	7.000	9.500			
	2DGTIT	1.000	2	1.250	7.500	10.000			

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