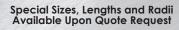


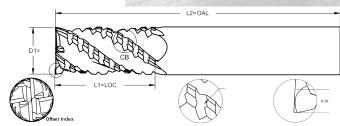
1000 Series

- Available with 3 or 4 Flutes & Corner Radius for Stronger Corners
- Advanced Chip Breaker Technology
- Available with ALTIN and other High Performance Coatings
- Free Cutting Geometry, Roughing and Finishing
- Variable Helix and Variable Index
- Smooth Wall Finish
- Reduced Neck & Weldon Flats Available Upon Request

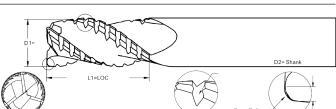


ALTIN Coated tools: Add "ALTIN" After Each Part #

AICrN & Other Coatings Available Upon Request









			on the state of th	set Index		orner Radius				
Beast Standard Square & Radius End 3FL & 4FL - Square & Corner Radius Sizes Cutting Diameter Tolerances +.0007002* Shank Diameter Tolerances +.00070005*										
EDP#	DIA	SHANK	LOC	OAL	RADIUS	FLUTE				
1001	1/8"	1/8"	1/2"	1-1/2"	-	4 FL				
CR1001	1/8"	1/8"	1/2"	1-1/2"	.015"	4 FL				
CR1301	1/8"	1/8"	1/2"	1-1/2"	.015"	3 FL				
1003	3/16"	3/16"	5/8"	2"	-	4 FL				
CR1003	3/16"	3/16"	5/8''	2"	.020''	4 FL				
CR1303	3/16"	3/16"	5/8"	2"	.020''	3 FL				
1006	1/4''	1/4"	3/4"	2-1/2"	-	4 FL				
CR1006	1/4"	1/4''	3/4"	2-1/2"	.020''	4 FL				
CR1306	1/4"	1/4"	3/4"	2-1/2"	.020''	3 FL				

CR1301	1/8"	1/8"	1/2"	1-1/2"	.015"	3 FL
1003	3/16"	3/16"	5/8"	2"	-	4 FL
CR1003	3/16"	3/16"	5/8"	2"	.020"	4 FL
CR1303	3/16"	3/16"	5/8"	2"	.020"	3 FL
1006	1/4"	1/4"	3/4"	2-1/2"	-	4 FL
CR1006	1/4"	1/4"	3/4"	2-1/2"	.020"	4 FL
CR1306	1/4"	1/4"	3/4"	2-1/2"	.020"	3 FL
1009	5/16"	5/16"	13/16"	2-1/2"	-	4 FL
CR1009	5/16"	5/16"	13/16"	2-1/2"	.020"	4 FL
CR1309	5/16"	5/16"	13/16"	2-1/2"	.020"	3 FL
1012	3/8"	3/8"	1"	2-1/2"	-	4 FL
CR1012	3/8"	3/8"	1"	2-1/2"	.020"	4 FL
CR1312	3/8"	3/8"	1"	2-1/2"	.025''	3 FL
1015	7/16"	7/16"	1"	2-3/4"	-	4 FL
1018	1/2"	1/2"	1"	3"	-	4 FL
1020	1/2"	1/2"	1-1/4''	3"	-	4 FL
CR1018	1/2"	1/2"	1"	3"	.030"	4 FL
CR1020	1/2"	1/2"	1-1/4''	3"	.030''	4 FL
CR1318	1/2"	1/2"	1"	3"	.030"	3 FL
1021	9/16"	9/16"	1-1/4''	3-1/2"	-	4 FL
1024	5/8"	5/8''	1-1/4''	3-1/2"	-	4 FL
CR1024	5/8''	5/8''	1-1/4''	3-1/2"	.035''	4 FL
CR1324	5/8"	5/8''	1-1/4''	3-1/2"	.060''	3 FL
1030	3/4"	3/4"	1-1/2''	4"	-	4 FL
CR1030	3/4"	3/4"	1-1/2"	4''	.040''	4 FL

1-1/2"



























3/4"

3 FL

4 FL

.060"

3/4"

CR1330

1033