



Speeds & Feeds

Product Table: Variable Helix End Mills for Aluminum Alloys - Finishers - Square

Characteristics: 4x Length of Cut

Series: 8294xx-C8, 8295xx-C8

Cutter Series	MATERIAL	SFM	Chip Load (IPT) By Cutter Diameter											Depth of Cut																
			0.015	0.031	0.047	0.062	0.078	0.093	0.125	0.187	0.250	0.312	0.375	0.500	Radial	Axial														
Uncoated	ALUMINUM ALLOYS																													
	Casting (2xx, 5xx, 7xx, 8xx)	750																												
	Wrought (1xxx, 2xxx, 3xxx, 5xxx, 6xxx, 7xxx, 8xxx)	1000																												
	MAGNESIUM ALLOYS	1500																												
	ZINC ALLOYS	800																												
	COPPER ALLOYS																													
	High Coppers - 90%+ (C1xxxx)	225	Finishing	.00024	.00049	.00074	.00098	.00123	.00146	.00197	.00295	.00394	.00516	.00620	.00827	.10x Dia	.5x - 4x Dia													
	Brass (Copper Zinc alloys, C2xxxx, C3xxxx, C4xxxx, C66400-C69800)	500																												
	Phosphor Bronzes (Copper Tin alloys, C5xxxx)	225																												
	Aluminum Bronzes (Copper Aluminum alloys, C60600-C64200)	500																												
Silicon Bronzes (Copper Silicon alloys, C64700-C66100)	500																													
Copper Nickels, Nickel Silvers (Copper Nickel alloys, C7xxxx)	225																													
Cast Copper Alloys (C83300-C86200, C86400-C87900, C92200-C95800, C97300-C97800, C99400-C99700)	550																													
ALUMINUM ALLOYS																														
Casting (2xx, 5xx, 7xx, 8xx)	1000																													
Wrought (1xxx, 2xxx, 3xxx, 5xxx, 6xxx, 7xxx, 8xxx)	1400	Finishing																.00031	.00063	.00096	.00127	.00160	.00190	.00256	.00383	.00512	.00671	.00806	.01075	.10x Dia
MAGNESIUM ALLOYS	2000																													
ZINC ALLOYS	1100																													

Please note:

All posted speed and feed parameters are suggested starting values that may be increased given optimal setup conditions. If less than minimum Axial or Radial DOC values are used, increased feed rates are possible. If greater than maximum Axial or Radial DOC values are used, decreased feed rates may be needed.

If you require additional information, Harvey Tool has a team of technical experts available to assist you through even the most challenging applications. Please contact us at **800-645-5609** or Harveytech@harveyperformance.com.

WARNING: Cutting tools may shatter under improper use. Government regulations require use of safety glasses and other appropriate safety equipment in the vicinity of use.