



Speeds & Feeds

Product Table: Variable Helix End Mills for Medium Alloy Steels - Finishers - Square

Characteristics: 5x & 6x Length of Cut

Series: 533xx-C6, 635xx-C6, 7769xx-C6, 7783xx-C6, 9801xx-C6

Material	Hardness (HBn)	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	
CARBON STEELS 1030 - 1095, 1140 - 1151, 13xx, 15xx, 2xx, 3xx, 4xx & 4xLxx, 5xx & 5xLxx, 51xx & 50Lxx, 51xx & 51Lxx, 52xx & 52Lxx, 6xx, 8xx, 9xx	225 - 250	600	Finishing	.00014	.00028	.00042	.00056	.00070	.00084	.00113	.00168	.00225	.00295	.00354	.00473	< .07x Dia	.5x - 5x Dia
	250 - 275	550															
	275 - 300	500	Finishing	.00012	.00026	.00039	.00051	.00064	.00077	.00103	.00154	.00206	.00270	.00325	.00433	< .07x Dia	.5x - 5x Dia
STAINLESS STEELS 201, 202, 203, 205, 301, 302, 304, 304L, 308, 309, 310, 314, 316, 316L, 317, 321, 329, 330, 347, 348, 385, 403, 405, 409, 410, 413, 414, 42x, 43x, 44x, 501, 502	225 - 250	500	Finishing	.00011	.00023	.00035	.00047	.00059	.00070	.00094	.00140	.00188	.00246	.00295	.00394	< .07x Dia	.5x - 5x Dia
	250 - 275	500															
	275 - 300	500	Finishing	.00010	.00021	.00032	.00042	.00053	.00063	.00084	.00126	.00169	.00221	.00266	.00354	< .07x Dia	.5x - 5x Dia
TOOL STEELS A, L, O, P, W series	300 - 350	500	Finishing	.00010	.00021	.00032	.00042	.00053	.00063	.00084	.00126	.00169	.00221	.00266	.00354	< .07x Dia	.5x - 5x Dia

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 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.