

Speeds & Feeds

Product Table: End Mills for Steels & High Temp Alloys - Ball - 2 & 3 Flute - Long Reach, Stub Flute Characteristics: 12x-13.4x Reach Multiple Series: BEF/BEFM

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	
Tool Steels: D, H, M, T, S series	350 - 400	100	Slotting	.00003	.00007	.00010	.00013	.00017	.00020	.00027	.00040	.00054	.00070	.00084	.00113	1x Dia	.26x Dia	
	400 - 425	80																
<mark>Stainless Steels</mark> : 40x, 41x, 42x, 43x, 44x, 13-8, 15-5, 15-7, 17-4, 17-7	275 - 300	160																
	300 - 350	140	Roughing	.00004	.00008	.00013	.00017	.00021	.00025	.00034	.00051	.00068	.00089	.00107	.00143	.26x Dia	.5x - 1x Dia	
Titanium: All alloys	275 - 300	200																
	300 - 350	125																
	350 - 400	75	Finishing	.00005	.00011	.00017	.00022	.00028	.00033	.00045	.00067	.00089	.00117	.00141	.00188	.07x Dia	.5x - 1x Dia	
	400 - 425	75																
Nickel Alloys: Inconel, Hastelloy, Waspalloy, Monel, Nimonic, Haynes, Discoloy, Incoloy	275 - 300	80																
	300 - 350	60	Max	.00006	.00013	.00020	.00027	.00033	.00040	.00054	.00080	.00107	.00141	.00169	.00225	-	-	
	350 - 400	50																
	400 - 425	40																

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.