

SPEEDS & FEEDS

H45AL-2

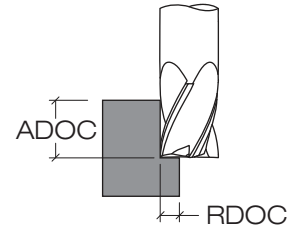
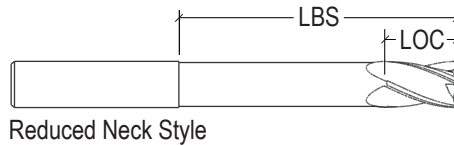
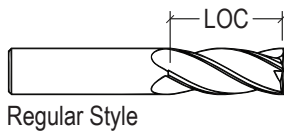
2 Flute - 45° Helix

Material Guide		SFM	Inches per Tooth (IPT)																				
			1/8			3/16			1/4			3/8			1/2			3/4			1		
			Slot	Rgh	Fin	Slot	Rgh	Fin	Slot	Rgh	Fin	Slot	Rgh	Fin	Slot	Rgh	Fin	Slot	Rgh	Fin	Slot	Rgh	Fin
WROUGHT ALUMINUM ALLOY	2014, 5062, 6061, 7050, 7075, 7475	2100	.0007	.0014	.0018	.0010	.0021	.0021	.0014	.0028	.0023	.0020	.0042	.0027	.0027	.0055	.0032	.0038	.0078	.0037	.0048	.0100	.0045
CAST ALUMINUM ALLOY	319.0, 328.0, 355.0, 360.0, 380.0, 383.0, 390.0, 520.0, 535.0	1400	.0011	.0023	.0023	.0016	.0033	.0026	.0022	.0044	.0029	.0032	.0066	.0034	.0042	.0086	.0039	.0060	.0124	.0047	.0077	.0157	.0057
COPPER ALLOY	Cu-ETP, CuBe2, CuZn30, CuZn36Pb3, CuZn10, CuSn5	770	.0007	.0015	.0019	.0011	.0022	.0021	.0014	.0029	.0024	.0021	.0044	.0027	.0028	.0057	.0032	.0040	.0082	.0038	.0051	.0104	.0047

Milling Process	Style	ADOC	RDOC
Slot (Full Slotting)	Non-Reached	Up to 200% Diameter	100% Diameter
	Reached	Up to Max LOC	100% Diameter
Rgh (Traditional Roughing)	Non-Reached	125%-200% Diameter	30%-50% Diameter
	Reached	Up to Max LOC	30%-50% Diameter
Fin (Finishing)	N/A	Up to Max LOC	4%-6% Diameter

NOTES:

IPT values shown are for 2.5xD length of cut tools, and should be adjusted for longer or shorter lengths of cut. Values shown are for non-reached tools. For tools with reaches greater than 3xD, IPT should be reduced. For more accurate running parameters, please refer to Machining Advisor Pro.



Key: LOC=Length of Cut ADOC=Axial Depth of Cut RDOC=Radial Depth of Cut