

Three Flute High Speed Steel End Mills are designed especially for milling aluminum, aluminum alloys, "aviation aluminum", copper, copper alloys, soft steels, and thermoplastics. Special high helix angle for maximum chip removal. Three flute design removes more material per revolution, tracks straighter, mills at very high feed rates, and creates a smoother finish than 2 flute end mills.

Titanium-carbonitride (TiCN) coated end mills work well in harder material and for longer production runs. The hard, smooth finish resists chipping and wear and prevents material from accumulating on the cutting edge. Titanium-carbonitride coating works especially well for cutting aluminum.

	SHANK	FLUTE	OVERALL	PRICE		SHANK	FLUTE	OVERALL	PRICE
SIZE	DIA.	LENGTH	LENGTH	EM-3A	SIZE	DIA.	LENGTH	LENGTH	EM-3A
1/4	3/8	5/8	2-7/16	20.50	1/2	1/2	1/2	2-1/2	24.50
5/16	3/8	3/4	2-1/2	20.50	5/8	5/8	5/8	2-3/4	32.50
3/8	3/8	3/4	2-1/2	20.50	3/4	3/4	3/4	3	35.00
7/16	1/2	1-1/4	3-1/4	26.00	1	1	1	3-1/2	54.00

## **HIGH SPEED STEEL 3 FLUTE LONG LENGTH SINGLE END MILLS FOR ALUMINUM** ICS USA

WELDON SHANK

SPECIAL PURPOSE

**CENTER CUTTING** 

**RIGHT HAND CUT RIGHT HAND HIGH HELIX** 

SHANK FLUTE OVERALL PRICE SHANK FLUTE OVERALL PRICE SIZE DIA. LENGTH SIZE DIA. LENGTH LENGTH LENGTH EM-3AL EM-3AL 1/43/8 1-1/4 3-1/16 22.40 5/8 5/8 1-5/8 3-3/4 33.70 1 - 5/85/16 3/8 1-3/8 3-1/8 22.40 3/4 3/4 3-7/8 35.40 3/8 3/8 1 - 1/23-1/4 22.40 1 1 2 4-1/2 57.72 1/21/21-1/4 3-1/4 26.82

## **HIGH SPEED STEEL** EXTRA LONG 3 FLUTE SINGLE END MILLS FOR ALUMINUM

ICS USA

WELDON

SHANK

## SPECIAL PURPOSE

**CENTER CUTTING** 

**RIGHT HAND CUT RIGHT HAND HIGH HELIX** 

## EXTRA LONG LENGTH

	SHANK	FLUTE	OVERALL	PRICE		SHANK	FLUTE	OVERALL	PRICE
SIZE	DIA.	LENGTH	LENGTH	EM-3AX	SIZE	DIA.	LENGTH	LENGTH	EM-3A
1/4	3/8	1-3/4	3-9/16	26.42	1/2	1/2	2	4	30.44
5/16	3/8	2	3-3/4	26.42	5/8	5/8	2	4-1/8	36.42
3/8	3/8	2-1/2	4-1/4	26.42	1	1	4	6-1/2	83.52

