

HSS Flat End Mill Cutter

This high-speed steel (HSS) end mill is designed for milling applications. It features a flat top and is suitable for machining various materials.



Product Overview

Professional Grade End Milling Cutters

These high-precision end mills are engineered for demanding milling operations, including slotting, profiling, and contouring. Utilizing premium tungsten steel, these cutters offer superior hardness and durability compared to standard high-speed steel alternatives. Designed for versatility, they are compatible with both CNC and manual milling machines, delivering consistent performance across diverse materials.

Technical Specifications

4F- Solid Carbide End Mill							
Art. No.	Specifications (mm)						
	Non-Coating	TAIN Coating	d1	L2	L1	d2	Helix Angle
S1003X-0100	S1003X-0100C		1	2.5	50	4	30°
S1003X-0150	S1003X-0150C		1.5	4	50	4	30°
S1003X-0200	S1003X-0200C		2	5	50	4	30°
S1003X-0250	S1003X-0250C		2.5	7	50	4	30°
S1003X-0300	S1003X-0300C		3	8	50	4	30°
S1003X-0350	S1003X-0350C		3.5	9	50	4	30°
S1003X-0400	S1003X-0400C		4	10	50	4	30°
S1003X-0500	S1003X-0500C		5	13	50	4	30°
S1003X-0600	S1003X-0600C		6	18	50	4	30°
S1003X-0800	S1003X-0800C		8	22	60	8	30°
S1003X-1000	S1003X-1000C		10	28	75	10	30°
S1003X-1200	S1003X-1200C		12	30	75	12	30°
S1003X-1400	S1003X-1400C		14	40	100	14	30°
S1003X-1600	S1003X-1600C		16	45	100	16	30°
S1003X-2000	S1003X-2000C		20	50	100	20	30°

Technical dimensions including diameter, flute length, and overall length for standard and coated end mills.



Precision-ground multi-flute design ensures efficient chip evacuation and smooth cutting action.



Durable end mill featuring a cylindrical shank for secure machine holding.

Diameter Range

- 1mm
- 1.5mm
- 2mm
- 2.5mm
- 3mm
- 3.5mm
- 4mm
- 5mm
- 6mm
- 8mm
- 10mm
- 12mm
- 14mm
- 16mm
- 20mm

Tungsten Carbide Grade Properties

Grade	Hardness (HRA)	Cobalt (%)
FR15	92.2	10
FR25	92.5	12
TH10	91.8	10
SP35	92.8	13
TR10	93.7	9
TR20	92.8	8
TR30	92.5	12
ZK10	92.5	6

Material: Tungsten Steel

Helix Angle: 30 °

Manufacturing & Services

Monthly Production Capacity

150000 pcs

4mm Diameter

100000 pcs

4-6mm Diameter

50000 pcs

6-8mm Diameter

Customization Services

OEM Available, Free Design, Custom Branding, Non-standard Sizes

Logistics & Terms

Payment Terms

L/C • T/T • D/P

Standard Delivery Time

15 days (7 days for urgent orders)