

# Niagara Cutter

## Coarse-Pitch

## Cobalt Roughing End Mill

M42 8% Cobalt Steel

Metric Flute Diameter / Metric Shank

SMWR865 - Single-End, Center-Cutting

- All Materials
- Profile / Slotting



Price Code B

**TiCN**  
Recommended

Flute Dia	Shank Dia	Length of Cut	Overall Length	# F	Uncoated		TiN EDP	TiN List	TiCN		TiAlN EDP	TiAlN List
					EDP	List			EDP	List		
6mm	6mm	13mm	57mm	3	72960	\$24.00	73960	\$25.90	<b>89006</b>	<b>\$26.60</b>	77476	\$26.60
8mm	10mm	19mm	69mm	3	72961	\$24.00	73961	\$27.40	<b>89007</b>	<b>\$28.50</b>	77477	\$28.50
10mm	10mm	22mm	72mm	4	72962	\$24.00	73962	\$27.40	<b>89008</b>	<b>\$28.50</b>	77478	\$28.50
12mm	12mm	26mm	83mm	4	72963	\$31.00	73963	\$35.70	<b>89009</b>	<b>\$37.40</b>	77479	\$37.40
14mm	12mm	26mm	83mm	4	72964	\$34.80	73964	\$39.50	<b>89010</b>	<b>\$41.20</b>	77480	\$41.20
16mm	16mm	32mm	92mm	4	72965	\$38.70	73965	\$45.20	<b>89011</b>	<b>\$47.40</b>	77481	\$47.40
18mm	16mm	32mm	92mm	4	72966	\$40.80	73966	\$47.30	<b>89012</b>	<b>\$49.50</b>	77482	\$49.50
20mm	20mm	38mm	104mm	5	72967	\$46.00	73967	\$57.80	<b>89013</b>	<b>\$61.80</b>	77483	\$61.80
25mm	25mm	45mm	121mm	5	72968	\$69.00	73968	\$80.80	<b>89014</b>	<b>\$84.80</b>	77484	\$84.80

Tolerances per DIN Specifications  
(DIN - 69-844 & 1835)

Helix Angle 30°

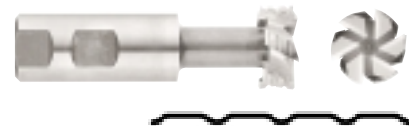
## Rougher / Finisher

## Cobalt T-Slot Roughing End Mill

M42 8% Cobalt Steel

TS111

- All Materials



Price Code B

**TiCN**  
Recommended

Cutter Dia	Shank Dia	Cutter Thickness	Overall Length	Bolt Size	# F	Uncoated		TiN EDP	TiN List	TiCN		TiAlN EDP	TiAlN List
						EDP	List			EDP	List		
31/32	3/4	25/64	3 7/16	1/2	5	11135	\$146.10	11130	\$152.10	<b>87808</b>	<b>\$154.20</b>	16825	\$154.20
1 1/4	1	31/64	3 15/16	5/8	6	11145	\$182.30	11140	\$190.90	<b>87809</b>	<b>\$194.00</b>	16826	\$194.00
1 15/32	1	5/8	4 7/16	3/4	6	11155	\$230.60	11150	\$241.50	<b>87810</b>	<b>\$245.30</b>	16827	\$245.30
1 27/32	1 1/4	53/64	4 13/16	1	6	11165	\$306.60	11160	\$327.70	<b>87811</b>	<b>\$335.10</b>	16828	\$335.10
2 7/32	1 1/4	1 3/32	5 3/8	1 1/4	8	11175	\$397.90	11170	\$430.90	<b>87812</b>	<b>\$442.50</b>	16829	\$442.50
2 21/32	1 1/4	1 11/32	5 29/32	1 1/2	10	11185	\$600.40	11180	\$633.40	<b>87813</b>	<b>\$645.00</b>	16830	\$645.00

Flute Dia.	+0.000"	-0.005"	Overall Length		+0.062"	-0.000"	Helix Angle		30°	
Shank Dia.	-0.0001"	-0.0005"	Length of Cut		+0.000"	-0.005"				