



“CMS” Style

- Recommended for Exotic Materials
- For use in Deep Slotting Applications
- Long Tool Life

TiN
Recommended

Price Code D

Diameter	Width	Arbor Hole	Catalog Number	# T	Uncoated		TiN ★ TiN		TiCN	TiCN	TiAlN	TiAlN
					EDP	List	EDP	List				
3	1/8	1	CMS3021	28	96940	\$83.60	96941	\$91.20	80944	\$93.80	80960	\$93.80
3	5/32	1	CMS3721	28	96950	\$86.10	96951	\$93.70	80945	\$96.30	80961	\$96.30
3	3/16	1	CMS3031	28	96960	\$90.20	96961	\$97.80	80946	\$100.40	80962	\$100.40
3	1/4	1	CMS3041	28	96970	\$94.50	96971	\$102.10	80947	\$104.70	80963	\$104.70
4	1/8	1	CMS4021	32	97000	\$110.90	97001	\$121.20	80948	\$124.80	80964	\$124.80
4	1/8	1 1/4	CMS4022	32	97010	\$110.90	97011	\$121.20	80949	\$124.80	80965	\$124.80
4	5/32	1	CMS4721	32	97020	\$118.30	97021	\$128.60	80950	\$132.20	80966	\$132.20
4	5/32	1 1/4	CMS4722	32	97030	\$118.30	97031	\$128.60	80951	\$132.20	80967	\$132.20
4	3/16	1	CMS4031	32	97040	\$121.60	97041	\$131.90	80952	\$135.50	80968	\$135.50
4	3/16	1 1/4	CMS4032	32	97050	\$121.60	97051	\$131.90	80953	\$135.50	80969	\$135.50
4	1/4	1	CMS4041	32	97060	\$126.90	97061	\$137.20	80954	\$140.80	80970	\$140.80
4	1/4	1 1/4	CMS4042	32	97070	\$126.90	97071	\$137.20	80955	\$140.80	80971	\$140.80
6	1/8	1 1/4	CMS6022	40	97200	\$204.70	97201	\$220.50	80956	\$226.00	80972	\$226.00
6	5/32	1 1/4	CMS6722	40	97210	\$207.00	97211	\$222.80	80957	\$228.30	80973	\$228.30
6	3/16	1 1/4	CMS6032	40	97220	\$210.50	97221	\$226.30	80958	\$231.80	80974	\$231.80
6	1/4	1 1/4	CMS6042	40	97230	\$223.70	97231	\$239.50	80959	\$245.00	80975	\$245.00

Tolerances for Milling Cutters and Saws

Cutting Diameter Tolerances

ARBOR TYPE CUTTERS						
Cutter Type	Specifications	Tolerance				
		Diameter		Width	Angle	Radius
Plain Milling	Up To 1" Width	+0.015"	-0.000"	+/- .001"		
	Over 1" To 2" Incl.	+0.015"	-0.000"	+0.010"	-0.000"	
	Over 2"	+0.015"	-0.000"	+0.020"	-0.000"	
Side Mills	Straight Tooth	+0.015"	-0.000"	+0.002"	-0.000"	
	Staggered Tooth	+0.015"	-0.000"	+/- .001"		
	Straight Tooth Saw	+0.015"	-0.000"	+/- .001"		
Single Angle		+0.015"	-0.000"	+0.015"	-0.000"	+/- 10"
Double Angle		+0.015"	-0.000"	+0.015"	-0.000"	+/- 15"
Keyseat (1/32" oversize on diameter)	3/16" Face	+/- .002"		-.0002" -0.0007"		
	1/4" Face	+/- .002"		-.0003" -0.0008"		
	5/16" Face	+/- .002"		-.0004" -0.0009"		
	3/8" Face and Over	+/- .002"		-.0005" -0.0010"		
Convex		+0.030"	-0.000"	+/- .001"		+/- .001"
Concave		+0.030"	-0.000"	+/- .005"		+0.002" -0.001"
Corner Rounding		+0.030"	-0.000"	+/- .005"		+0.002" -0.001"