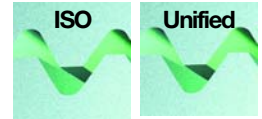


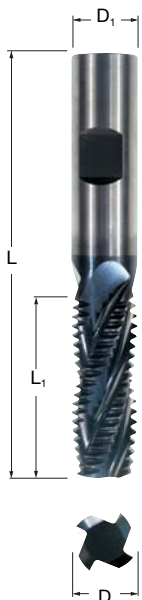
# TMSCC Solid Carbide Thread Milling Cutters



ISO 60° TMSCN Parallel					◆◆◆◆◆◆◆◆◆◆						
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	Pitch inch	Norm	Fine Pitch
		D	D <sub>1</sub>	L	L <sub>1</sub>						
015118	TMSCN1.0ISOI	0.161	0.250	2.375	0.433	DFZ	3	11	1.00	M6	
015119	TMSCN1.25ISOI	0.220	0.250	2.375	0.689	DFZ	3	14	1.25	M8	M10, M12
015120	TMSCN1.50ISOI	0.279	0.312	2.500	0.649	DFZ	3	11	1.50	M10	M14
015121	TMSCN1.75ISOI	0.338	0.375	3.000	0.826	DFZ	3	12	1.75	M12	
015122	TMSCN2.0ISOI	0.468	0.500	4.000	1.023	DFZ	3	13	2.00	M16	
015123	TMSCN2.5ISOI	0.590	0.625	4.500	1.378	DFZ	4	14	2.50	M20	
021594	TMSCN3.0ISOI	0.715	0.750	4.750	1.654	DFZ	4	14	3.00	M24	
021595	TMSCN3.5ISOI	0.748	0.750	4.750	2.067	DFZ	4	15	3.50	M30	
021596	TMSCN4.0ISOI	0.748	0.750	4.750	2.047	DFZ	4	13	4.00	M36	

UNC 60° TMSCN Parallel					◆◆◆◆◆◆◆◆◆◆					
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
015106	TMSCN20UNCI	0.161	0.250	2.375	0.400	DFZ	3	8	20	1/4" UNC
015107	TMSCN18UNCI	0.208	0.250	2.375	0.500	DFZ	3	9	18	5/16" UNC
015108	TMSCN16UNCI	0.256	0.312	2.500	0.562	DFZ	3	9	16	3/8" UNC
015109	TMSCN14UNCI	0.303	0.312	2.500	0.714	DFZ	3	10	14	7/16" UNC
015110	TMSCN13UNCI	0.350	0.375	3.000	0.846	DFZ	3	11	13	1/2" UNC
015111	TMSCN12UNCI	0.371	0.375	3.000	0.917	DFZ	3	11	12	9/16" UNC
015112	TMSCN11UNCI	0.448	0.500	4.000	1.000	DFZ	3	11	11	5/8" UNC
015113	TMSCN10UNCI	0.567	0.625	4.500	1.200	DFZ	4	12	10	3/4" UNC
017906	TMSCN9UNCI	0.621	0.625	4.500	1.556	DFZ	4	14	9	7/8" UNC
017245	TMSCN8UNCI	0.623	0.625	4.500	1.500	DFZ	4	12	8	1" UNC
018573	TMSCN7UNCI	0.748	0.750	4.750	1.714	DFZ	4	12	7	1 1/8"-1 1/4" UNC
018305	TMSCN6UNCI	0.748	0.750	4.750	2.000	DFZ	4	12	6	1 3/8"-1 1/2" UNC

UNF 60° TMSCN Parallel					◆◆◆◆◆◆◆◆◆◆					
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
015124	TMSCN28UNFI	0.177	0.250	2.375	0.393	DFZ	3	11	28	1/4" UNF
015125	TMSCN24UNFI	0.228	0.250	2.375	0.584	DFZ	3	14	24	5/16" - 3/8" UNF
015126	TMSCN20UNFI	0.334	0.375	3.000	0.800	DFZ	3	16	20	7/16" - 1/2" UNF
015127	TMSCN18UNFI	0.444	0.500	4.000	1.000	DFZ	4	18	18	9/16" - 5/8" UNF
015128	TMSCN16UNFI	0.614	0.625	4.500	1.437	DFZ	4	23	16	3/4" UNF
015129	TMSCN14UNFI	0.621	0.625	4.500	1.571	DFZ	4	22	14	7/8" UNF
017028	TMSCN12UNFI	0.621	0.625	4.500	1.500	DFZ	4	18	12	1" - 1 1/2" UNF



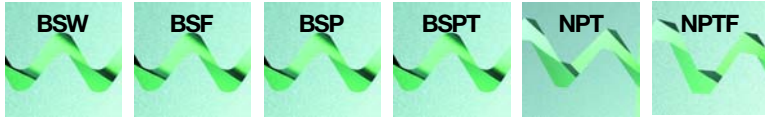
## TMSCC Technical Advice

Thread Milling Cutter Order Example: **TMSCN14UNF**  
For complete cutting conditions refer to page: 206

### Star Guide Key to Recommended Tools

Material Designations			
	<b>P</b> ◆ Unalloyed Steels	<b>M</b> ◆ Stainless Steels	<b>K</b> ◆ Cast Irons
	<b>P</b> ◆ Alloyed Steels	<b>M</b> ◆ PH Stainless	<b>N</b> ◆ Aluminum & Alloys
			<b>S</b> ◆ High Temp. Alloys
			<b>H</b> ◆ Hard Materials





BSW 55° TMSCEN Parallel					◆◆◆◆◆◆◆◆◆◆					
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
021600	TMSCEN12BSWI	0.338	0.375	3.000	0.750	DFZ	3	9	12	1/2", 1/16" BSW
021601	TMSCEN11BSWI	0.440	0.500	4.000	1.000	DFZ	3	11	11	3/8", 11/16" BSW
021602	TMSCEN10BSW/BSFI	0.543	0.625	4.500	1.300	DFZ	4	13	10	3/4" BSW

BSF 55° TMSCEN Parallel										
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
021611	TMSCEN22BSFI	0.216	0.250	2.375	0.500	DFZ	3	11	22	5/16" BSF
021612	TMSCEN20BSFI	0.267	0.312	2.500	0.550	DFZ	3	11	20	3/8" BSF
021613	TMSCEN18BSFI	0.308	0.312	2.500	0.611	DFZ	3	11	18	7/16" BSF
021614	TMSCEN16BSFI	0.366	0.375	3.000	0.687	DFZ	3	11	16	1/2", 9/16" BSF
021615	TMSCEN14BSFI	0.468	0.500	4.000	0.786	DFZ	3	11	14	5/8", 11/16" BSF
021616	TMSCEN12BSFI	0.570	0.625	4.500	1.333	DFZ	4	16	12	3/4", 13/16" BSF
021617	TMSCEN11BSFI	0.621	0.625	4.500	1.545	DFZ	4	17	11	7/8" BSF
021602	TMSCEN10BSW/BSFI	0.543	0.625	4.500	1.300	DFZ	4	13	10	1" BSF

BSP 55° TMSCEN Parallel										
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
021623	TMSCEN28BSPI	0.299	0.312	2.500	0.607	DFZ	3	17	28	1/8" BSP
021624	TMSCEN19BSPI	0.371	0.375	3.000	0.842	DFZ	3	16	19	1/4" - 3/8" BSP
021625	TMSCEN14BSPI	0.621	0.625	4.500	1.500	DFZ	4	21	14	1/2" - 7/8" BSP
021626	TMSCEN11BSPI	0.740	0.750	4.750	1.545	DFZ	4	17	11	1" - 4" BSP

BSPT 55° TMSCEN Tapered					◆◆◆◆◆◆◆◆◆◆					
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
021630	TMSCEN28BSPTI	0.299	0.312	2.500	0.393	DFZ	4	11	28	1/8" BSPT
021631	TMSCEN19BSPTI	0.371	0.375	3.000	0.579	DFZ	4	11	19	1/4" - 3/8" BSPT
017774	TMSCEN14BSPTI	0.621	0.625	4.500	0.875	DFZ	4	12	14	1/2" - 7/8" BSPT
021632	TMSCEN11BSPTI	0.740	0.750	4.750	1.636	DFZ	4	18	11	1" - 4" BSPT

NPT 60° TMSCEN Tapered					◆◆◆◆◆◆◆◆◆◆					
EDP #	Part Number	Dimensions (inch)				Grade	No. of Flutes	No. of Pitches	TPI	Thread
		D	D <sub>1</sub>	L	L <sub>1</sub>					
015114	TMSCEN27NPTI	0.300	0.312	2.500	0.370	DFZ	4	10	27	1/8" NPT
015115	TMSCEN18NPTI	0.371	0.375	3.000	0.555	DFZ	4	10	18	1/4" - 3/8" NPT
015116	TMSCEN14NPTI	0.621	0.625	4.500	0.857	DFZ	4	11	14	1/2" - 3/4" NPT
015117	TMSCEN11.5NPTI	0.621	0.625	4.500	1.040	DFZ	4	12	11.5	1" - 2" NPT
017021	TMSCEN8NPTI	0.740	0.750	4.750	1.750	DFZ	4	14	8	2 1/2" - 4" NPT



TMSCEN Parallel



TMSCEN Tapered