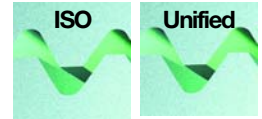


TMSC Solid Carbide Thread Milling Cutters



ISO 60° TMSCN Parallel					◆◆◆◆◆◆◆◆◆◆						
EDP #	Part Number	Dimensions (mm)				Grade	No. of Flutes	No. of Pitches	Pitch mm	Norm	Fine Pitch
		D	D ₁	L	L ₁						
023491	TMSCN0.7ISO	2,8	6	60	8,4	DFZ	3	12	0,70	M4	-
023492	TMSCN0.8ISO	3,5	6	60	10,4	DFZ	3	13	0,80	M5	-
021587	TMSCN1.0ISO	4,1	6	60	11,0	DFZ	3	11	1,00	M6	-
021588	TMSCN1.25ISO	5,6	6	60	17,5	DFZ	3	14	1,25	M8	M10, M12
018302	TMSCN1.5ISO	7,1	8	60	16,5	DFZ	3	11	1,50	M10	M14
021589	TMSCN1.75ISO	8,6	10	70	21,0	DFZ	3	12	1,75	M12	-
018303	TMSCN2.0ISO	11,9	12	83	26,0	DFZ	3	13	2,00	M16	-
021590	TMSCN2.5ISO	15,0	16	100	35,0	DFZ	4	14	2,50	M20	-
021591	TMSCN3.0ISO	18,2	20	120	42,0	DFZ	4	14	3,00	M24	-
021592	TMSCN3.5ISO	19,9	20	120	52,5	DFZ	4	15	3,50	M30	-
021593	TMSCN4.0ISO	19,9	20	120	52,0	DFZ	4	13	4,00	M36	-
023493	TMSCN1.5ISO16MM	15,9	16	100	42,0	DFZ	4	28	1,50	-	-
023495	TMSCN2.0ISO16MM	15,9	16	100	46,0	DFZ	4	23	2,00	-	-
023496	TMSCN2.0ISO20MM	19,9	20	120	56,0	DFZ	5	28	2,00	-	-

UNC 60° TMSCN Parallel					◆◆◆◆◆◆◆◆◆◆						
EDP #	Part Number	Dimensions (mm)				Grade	No. of Flutes	No. of Pitches	TPI	Thread	
		D	D ₁	L	L ₁						
021577	TMSCN20UNC	4,1	6	60	10,16	DFZ	3	8	20	1/4"	UNC
021578	TMSCN18UNC	5,3	6	60	12,70	DFZ	3	9	18	5/16"	UNC
021579	TMSCN16UNC	6,5	8	60	14,29	DFZ	3	9	16	3/8"	UNC
018301	TMSCN14UNC	7,7	8	60	18,14	DFZ	3	10	14	7/16"	UNC
021581	TMSCN13UNC	8,9	10	70	21,49	DFZ	3	11	13	1/2"	UNC
021580	TMSCN12UNC	9,9	10	70	23,28	DFZ	3	11	12	9/16"	UNC
021582	TMSCN11UNC	11,4	12	83	27,70	DFZ	3	11	11	5/8"	UNC
018566	TMSCN10UNC	14,4	16	100	30,48	DFZ	4	12	10	3/4"	UNC
021583	TMSCN9UNC	15,9	16	100	39,51	DFZ	4	14	9	7/8"	UNC
021584	TMSCN8UNC	19,2	20	120	38,10	DFZ	4	12	8	1"	UNC
021585	TMSCN7UNC	19,9	20	120	43,54	DFZ	4	12	7	1 1/8" - 1 1/4"	
021586	TMSCN6UNC	19,9	20	120	59,27	DFZ	4	14	6	1 3/8" - 1 1/2"	

UNF 60° TMSCN Parallel					◆◆◆◆◆◆◆◆◆◆						
EDP #	Part Number	Dimensions (mm)				Grade	No. of Flutes	No. of Pitches	TPI	Thread	
		D	D ₁	L	L ₁						
017022	TMSCN28UNF	4,5	6	60	9,98	DFZ	3	11	28	1/4"	UNF
017023	TMSCN24UNF	5,8	6	60	14,82	DFZ	3	14	24	5/16" - 3/8"	UNF
017024	TMSCN20UNF	8,5	10	70	20,32	DFZ	3	16	20	7/16" - 1/2"	UNF
017025	TMSCN18UNF	11,3	12	83	25,40	DFZ	4	18	18	9/16" - 5/8"	UNF
017026	TMSCN16UNF	15,6	16	100	36,51	DFZ	4	23	16	3/4"	UNF
017027	TMSCN14UNF	15,9	16	100	39,91	DFZ	4	22	14	7/8"	UNF
023494	TMSCN12UNF	15,9	16	100	38,10	DFZ	4	18	12	1" - 1 1/2"	UNF

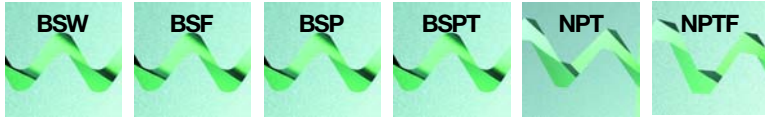


TMSC Technical Advice

Thread Milling Cutter Order Example: **TMSCN14UNF**
 For complete cutting conditions refer to page: **264**

TMSCN Parallel





BSW 55° TMSCEN Parallel		Dimensions (mm)				Material Designations				
EDP #	Part Number	D	D ₁	L	L ₁	Grade	No. of Flutes	No. of Pitches	TPI	Thread
023487	TMSCEN14BSW	7,67	8	60	18,14	DFZ	3	10	14	7/16" BSW
021597	TMSCEN12BSW	8,6	10	70	19,05	DFZ	3	9	12	1/2", 9/16" BSW
021598	TMSCEN11BSW	11,2	12	85	25,4	DFZ	3	11	11	3/8", 11/16" BSW
021599	TMSCEN10BSW/BSF	13,8	16	100	20,32	DFZ	4	13	10	3/4" BSW

BSF 55° TMSCEN Parallel		Dimensions (mm)				Material Designations				
EDP #	Part Number	D	D ₁	L	L ₁	Grade	No. of Flutes	No. of Pitches	TPI	Thread
021603	TMSCEN22BSF	5,5	8	60	12,70	DFZ	3	11	22	5/16" BSF
021604	TMSCEN20BSF	6,8	8	60	13,97	DFZ	3	11	20	3/8" BSF
021605	TMSCEN18BSF	7,9	8	60	15,52	DFZ	3	11	18	7/16" BSF
021606	TMSCEN16BSF	9,3	10	70	17,46	DFZ	3	11	16	1/2" - 9/16" BSF
021607	TMSCEN14BSF	9,3	10	70	19,96	DFZ	3	11	14	5/8" - 11/16" BSF
021608	TMSCEN12BSF	14,5	16	100	33,87	DFZ	4	16	12	3/4" - 13/16" BSF
021609	TMSCEN11BSF	15,9	16	100	39,25	DFZ	4	17	11	7/8" BSF
021599	TMSCEN10BSW/BSF	13,8	16	100	33,02	DFZ	4	13	10	1" BSF

BSP 55° TMSCEN Parallel		Dimensions (mm)				Material Designations				
EDP #	Part Number	D	D ₁	L	L ₁	Grade	No. of Flutes	No. of Pitches	TPI	Thread
021619	TMSCEN28BSP	7,6	8	60	15,42	DFZ	3	17	28	1/8" BSP
021620	TMSCEN19BSP	9,9	10	70	21,39	DFZ	3	16	19	1/4" - 3/8" BSP
021621	TMSCEN14BSP	15,9	16	100	38,10	DFZ	4	21	14	1/2" - 7/8" BSP
021622	TMSCEN11BSP	19,9	20	120	39,25	DFZ	4	17	11	1" - 4" BSP

BSPT 55° TMSCEN Tapered		Dimensions (mm)				Material Designations				
EDP #	Part Number	D	D ₁	L	L ₁	Grade	No. of Flutes	No. of Pitches	TPI	Thread
021627	TMSCEN28BSPT	7,6	8	60	9,98	DFZ	4	11	28	1/8" BSPT
017754	TMSCEN19BSPT	9,9	10	70	14,70	DFZ	4	11	19	1/4" - 3/8" BSPT
021628	TMSCEN14BSPT	15,9	16	100	21,77	DFZ	4	12	14	1/2" - 7/8" BSPT
021629	TMSCEN11BSPT	19,9	20	120	41,56	DFZ	4	18	11	1" - 4" BSPT

NPT 60° TMSCEN Tapered		Dimensions (mm)				Material Designations				
EDP #	Part Number	D	D ₁	L	L ₁	Grade	No. of Flutes	No. of Pitches	TPI	Thread
021633	TMSCEN27NPT	7,6	8	60	9,41	DFZ	4	10	27	1/8" NPT
023489	TMSCEN18NPT	9,9	10	70	14,10	DFZ	4	10	18	1/4" - 3/8" NPT
021634	TMSCEN14NPT	15,9	16	100	19,96	DFZ	4	11	14	1/2" - 3/4" NPT
021635	TMSCEN11.5NPT	15,9	16	100	26,50	DFZ	4	14	11,5	1" - 2 1/2" NPT
021636	TMSCEN8NPT	19,9	20	120	44,45	DFZ	4	11	8	2 1/2" - 4" NPT

NPTF 60° TMSCEN Tapered		Dimensions (mm)				Material Designations				
EDP #	Part Number	D	D ₁	L	L ₁	Grade	No. of Flutes	No. of Pitches	TPI	Thread
023490	TMSCEN27NPTF	7,6	8	60	9,4	DFZ	4	10	27	1/8" NPTF
023488	TMSCEN14NPTF	15,9	16	100	16,32	DFZ	4	9	14	1/2" - 3/4" NPTF
023486	TMSCEN11.5NPTF	15,9	16	100	22,10	DFZ	4	10	11,5	1" - 2 1/2" NPTF



TMSCEN Parallel



TMSCEN Tapered

Star Guide Key to Recommended Tools

Material Designations											
	P	Unalloyed Steels		M	Stainless Steels		K	Cast Irons		S	High Temp. Alloys
	P	Alloyed Steels		M	PH Stainless		N	Aluminium & Alloys		H	Hard Materials