



MiTM

Super Fast Thread Milling System



INCH

VARDEX

Advanced Threading Solutions

MiTM

New Family of Thread Milling Tools

The VARDEX Multi-flute Indexable Thread Milling (MiTM) system for fast machining, reduces cycle times when machining threads with long inserts. New nickel coating for all MiTM toolholders provides better anti-rust protection.



See it in action



MiTM 19 (A)

For Small Bores



No. of Flutes (Z) 1
Cutting Dia. (D2) .39-.463
Tool Overhang (L1) .79-.99



No. of Flutes (Z) 1
Cutting Dia. (D2) .40
Tool Overhang (L1) .71

MiTM 24 (M)

For Medium Bores



No. of Flutes (Z) 1-2
Cutting Dia. (D2) .54-.63
Tool Overhang (L1) 1.02-1.42



No. of Flutes (Z) 1
Cutting Dia. (D2) .547
Tool Overhang (L1) 1.02

MiTM 25 (S)

For Standard Applications



No. of Flutes (Z) 2-5
Cutting Dia. (D2) .67-1.18
Tool Overhang (L1) 1.10-3.15



No. of Flutes (Z) 2-4
Cutting Dia. (D2) .67-1.10
Tool Overhang (L1) 1.10-1.70



No. of Flutes (Z) 5-9
Cutting Dia. (D2) 1.54-2.32
Tool Overhang (L1) max. 7.87



No. of Flutes (Z) 5
Cutting Dia. (D2) 1.54
Tool Overhang (L1) max. 7.87

MiTM 40 (L)

For Long Threads



No. of Flutes (Z) 3-4
Cutting Dia. (D2) .87-1.18
Tool Overhang (L1) 1.69-3.15



No. of Flutes (Z) 6-8
Cutting Dia. (D2) 44-52
Tool Overhang (L1) max.200



No. of Flutes (Z) 6
Cutting Dia. (D2) 1.93
Tool Overhang (L1) max. 7.87

MiTM 41 (B)

For Large Pitches



No. of Flutes (Z) 1-5
Cutting Dia. (D2) .96-1.42
Tool Overhang (L1) 1.69-2.56



No. of Flutes (Z) 5-6
Cutting Dia. (D2) 2.09-2.48
Tool Overhang (L1) max. 7.87

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VARGUS GENiUS™ | Tool Selector and CNC Program Generator



The most popular and advanced thread turning and thread milling software on the market today.

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- VARGUS GENiUS™ setup.exe

MiTMTM Ordering Code System

MiTM Inserts

R	25	I	1.00	ISO	TM	VBX			
1	2	3	4	5	6	7			
1 - Product Line	2 - Insert Style		3 - Type of Insert		4 - Pitch	5 - Standard		6 - System	7 - Carbide Grade
R - MiTM line	19, 24, 25, 40, 41		I - Internal E - External EI-External+Internal NC- Plug		0.5-6.0 mm 32-4 tpi	ISO- ISO Metric UN-American UN W- BSW, BSP NPT-NPT NPTF-NPTF BSPT-BSPT		TM	VBX VTX

MiTM Holders (Standard and Conical)

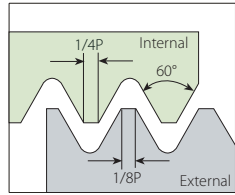
R	TM	C		100	067	-	110	S	2
1	2	3		4	5		6	7	8
1 - Product Line	2 - Holder Type		3 - Cooling		4 - Shank Dia. [inch]		5 - Cutting Dia. [inch]		
R - MiTM line BR - MiTM with anti vibration system	TM - Standard holder TMN - Conical holder		C - Coolant Channel		1, 1.25		.54-1.42		
6 - Tool Overhang [inch]		7 - Insert Style		8 - No. of Flutes					
1.02-3.15		A - 19 M - 24 S - 25 L - 40 B - 41		1 - 5					

MiTM Shell Mill

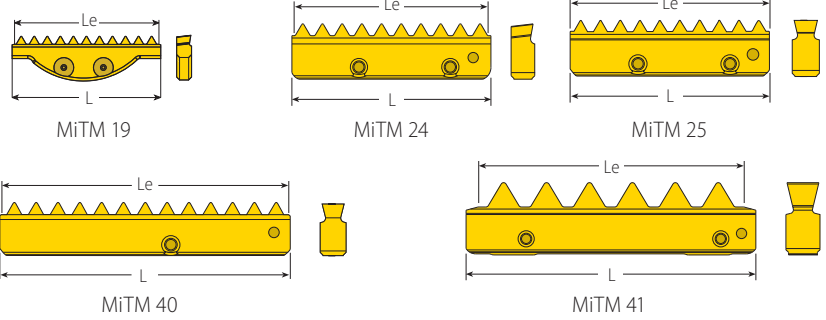
R	TM	C		D150	050	-	25S	5
1	2	3		4	5		6	7
1 - Product Line	2 - Holder Type		3 - Cooling		4 - Cutting Dia. [inch]		5 - Drive Hole Dia. [inch]	
R - MiTM line	TM - Standard holder TMN - Conical holder		C - Coolant Channel		1.54-2.48		.5, .75, 1	
6 - Insert Style		7 - No. of Flutes						
25S 40L 41B		5 - 9						

ISO Metric

External / Internal



Defined by: R262 (DIN 13)
Tolerance class: 6g/6H



Standard MiTM

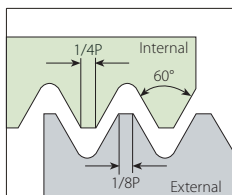
L	Pitch	Ordering Code	EDP No.		Ordering Code		Cutting Edge	Teeth	Toolholder			
			VTX	VBX	Internal	VTX				VBX		
.748" (19 mm)	0.5				R19I0.50ISOTM...	81001	81000	1	.79	40	RTMC...A	
	0.75				R19I0.75ISOTM...	81003	81002	1	.79	27		
	1.0				R19I1.00ISOTM...	81005	81004	1	.79	20		
	1.25				R19I1.25ISOTM...	81007	81006	1	.79	16		
	1.5				R19I1.50ISOTM...	81009	81008	1	.77	13		
	1.75				R19I1.75ISOTM...	81011	81010	1	.76	11		
.945" (24 mm)	0.50				R24I0.50ISOTM...	80753	80754	1	.96	49	RTMC...M	
	0.75				R24I0.75ISOTM...	80755	80751	1	.97	33		
	1.00				R24I1.00ISOTM...	80756	80757	1	.94	24		
	1.25				R24I1.25ISOTM...	80758	80759	1	.98	20		
	1.50				R24I1.50ISOTM...	80760	80761	1	.94	16		
	1.75				R24I1.75ISOTM...	80762	80763	1	.96	14		
.988" (25 mm)	2.00				R24I2.00ISOTM...	80764	80765	1	.94	12	(B)RTMC...S	
	2.50				R24I2.50ISOTM...	80766	80767	1	.98	10		
	1.00	R25E1.00ISOTM...	80584	80585	R25I1.00ISOTM...	80482	80483	2	.94	24		
	1.25	R25E1.25ISOTM...	81046	81047	R25I1.25ISOTM...	81048	81049	2	.93	19		
	1.50	R25E1.50ISOTM...	80586	80587	R25I1.50ISOTM...	80484	80485	2	.94	16		
	2.00	R25E2.00ISOTM...	80588	80589	R25I2.00ISOTM...	80486	80487	2	.94	12		
1.575" (40 mm)	2.50	R25E2.50ISOTM...	80590	80591	R25I2.50ISOTM...	80488	80489	2	.98	10	(B)RTMC...L	
	3.00	*R25E3.00ISOTM...	80592	80593	*R25I3.00ISOTM...	80490	80491	2	.94	8		* See note below
	1.00				R40I1.00ISOTM...	80702	80703	2	1.54	39		
	1.50				R40I1.50ISOTM...	80704	80705	2	1.54	26		
	2.00				R40I2.00ISOTM...	80706	80707	2	1.50	19		
	2.50				R40I2.50ISOTM...	80708	80709	2	1.48	15		
1.614" (41 mm)	3.00				R40I3.00ISOTM...	80710	80711	2	1.54	13	RTMC...B	
	3.00	R41E3.00ISOTM...	80768	80769	R41I3.00ISOTM...	80782	80783	2	1.54	13		
	3.50	R41E3.50ISOTM...	80770	80771	R41I3.50ISOTM...	80784	80785	2	1.52	11		
	4.00	R41E4.00ISOTM...	80772	80773	R41I4.00ISOTM...	80786	80787	2	1.57	10		
	4.50	R41E4.50ISOTM...	80774	80775	R41I4.50ISOTM...	80788	80789	2	1.59	9		
	5.00	R41E5.00ISOTM...	80776	80777	R41I5.00ISOTM...	80790	80791	2	1.57	8		
6.00	5.50	R41E5.50ISOTM...	80778	80779	R41I5.50ISOTM...	80792	80793	2	1.52	7		
	6.00	R41E6.00ISOTM...	80780	80781	R41I6.00ISOTM...	80794	80795	2	1.42	6		

*Note: 3.00 ISO inserts do not fit into toolholder RTMC100067...
For external insert 3.0 ISO use for CNC program (D2 + .02")

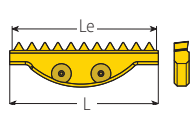
MiTM inserts 25, 40 and 41 are offered with 2 cutting edges. In case of chip flow difficulty, inserts with a single cutting edge can be ordered by request. Example: R25I2.00ISOTM(S)...

American UN

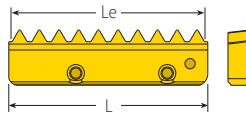
External / Internal



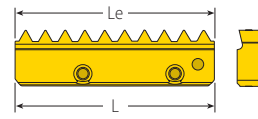
Defined by: ANSI B1.1:74
Tolerance class: 2A/2B



MiTM 19







MiTM 24



MiTM 25

Standard MiTM

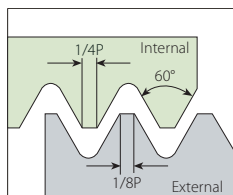
	L	Pitch	Ordering Code		EDP No.		Cutting Edge	Teeth	Toolholder		
			External	VTX	VBX	Internal				VTX	VBX
 .748" (19 mm) 		tpi									
								Le	Zt		
		32				R19I32UNTM...	81015	81014	1	.78	25
		28				R19I28UNTM...	81017	81016	1	.79	22
		27				R19I27UNTM...	81019	81018	1	.78	21
		24				R19I24UNTM...	81021	81020	1	.79	19
		20				R19I20UNTM...	81023	81022	1	.75	15
		18				R19I18UNTM...	81025	81024	1	.78	14
		16				R19I16UNTM...	81027	81026	1	.75	12
		14				R19I14UNTM...	81029	81028	1	.79	11
 .945" (24 mm)											
		32				R24I32UNTM...	80796	80797	1	.97	31
		28				R24I28UNTM...	80798	80799	1	.96	27
		24				R24I24UNTM...	80802	80803	1	.96	23
		20				R24I20UNTM...	80804	80805	1	.95	19
		18				R24I18UNTM...	80806	80807	1	.94	17
		16				R24I16UNTM...	80808	80809	1	.94	15
		14				R24I14UNTM...	80810	80811	1	.93	13
		12				R24I12UNTM...	80812	80813	1	.92	11
		10				R24I10UNTM...	80814	80815	1	.90	9
 .988" (25 mm)		20	R25E20UNTM...	80594	80595	R25I20UNTM...	80492	80493	2	.95	19
		18	R25E18UNTM...	80596	80597	R25I18UNTM...	80494	80495	2	.94	17
		16	R25E16UNTM...	80598	80599	R25I16UNTM...	80496	80497	2	.94	15
		14	R25E14UNTM...	80600	80601	R25I14UNTM...	80498	80499	2	.93	13
		12	R25E12UNTM...	80602	80603	R25I12UNTM...	80500	80501	2	.92	11
		10	R25E10UNTM...	80604	80605	R25I10UNTM...	80502	80503	2	.90	9
		9	*R25E9UNTM...	80606	80607	*R25I9UNTM...	80504	80505	2	.89	8
		8	*R25E8UNTM...	80608	80609	*R25I8UNTM...	80506	80507	2	.87	7

* Note: 8 UN & 9 UN inserts do not fit into toolholder RTMC100067...
For external insert 8 UN use for CNC program (D2 + .02")

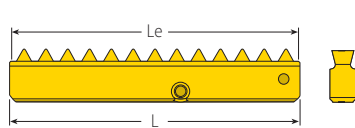
MiTM inserts 25, 40 and 41 are offered with 2 cutting edges. In case of chip flow difficulty, inserts with a single cutting edge can be ordered by request. Example: R25I20UNTM(S)...

American UN

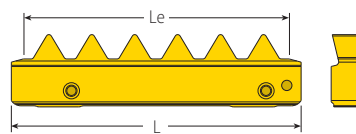
External / Internal



Defined by: ANSI B1.1:74
Tolerance class: 2A/2B



MiTM 40



MiTM 41

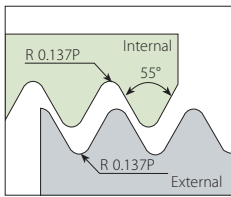
Standard MiTM (con't)

L	Pitch	Ordering Code		EDP No.		Ordering Code		EDP No.		Cutting Edge	Teeth	Toolholder
		External	VTX	VBX	Internal	VTX	VBX	Le	Zt			
1.575" (40 mm)	20				R40I20UNTM...	80712	80713	2	1.55	31	(B)RTMC...L	
	18				R40I18UNTM...	80714	80715	2	1.56	28		
	16				R40I16UNTM...	80716	80717	2	1.56	25		
	14				R40I14UNTM...	80718	80719	2	1.57	22		
	12				R40I12UNTM...	80720	80721	2	1.50	18		
	10				R40I10UNTM...	80722	80723	2	1.50	15		
	9				R40I9UNTM...	80724	80725	2	1.56	14		
	8				R40I8UNTM...	80726	80727	2	1.50	12		
1.614" (41 mm)	8	R41E8UNTM...	80816	80817	R41I8UNTM...	80828	80829	2	1.50	12	RTMC...B	
	7	R41E7UNTM...	80818	80819	R41I7UNTM...	80830	80831	2	1.57	11		
	6	R41E6UNTM...	80820	80821	R41I6UNTM...	80832	80833	2	1.50	9		
	5	R41E5UNTM...	80822	80823	R41I5UNTM...	80834	80835	2	1.40	7		
	4.5	R41E4.5UNTM...	80824	80825	R41I4.5UNTM...	80836	80837	2	1.56	7		
	4	R41E4UNTM...	80826	80827	R41I4UNTM...	80838	80839	2	1.50	6		

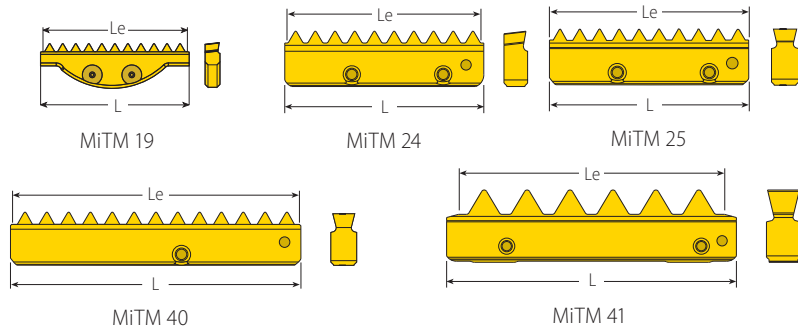
MiTM inserts 25, 40 and 41 are offered with 2 cutting edges. In case of chip flow difficulty, inserts with a single cutting edge can be ordered by request. Example: R25I20UNTM(S)... 

Whitworth for BSF, BSP (G)





External / Internal



Defined by: B.S.84:1956, DIN 259, ISO228/1:1982
Tolerance class: Medium Class A



Standard MiTM

	L	Pitch	Ordering Code	EDP No.		Ordering Code	EDP No.		Cutting Edge	Teeth	Toolholder	
				VTX	VBX		VTX	VBX				
 .748" (19 mm)		19	R19EI19WTM...	81035	81034			1	.79	15	RTMC...A	
		16	R19EI16WTM...	81037	81036			1	.75	12		
	NEW	14	R19EI14WTM...	81039	81038			1	.79	11		
 .945" (24 mm)		19	R24EI19WTM...	80844	80845			1	.95	18	RTMC...M	
		14	R24EI14WTM...	80846	80847			1	.93	13		
		12	R24EI12WTM...	80848	80849			1	.92	11		
 .988" (25 mm)		16	R25EI16WTM...	80508	80509			2	.94	15	(B)RTMC...S	
		14	R25EI14WTM...	80510	80511			2	.93	13		
		12	R25EI12WTM...	80512	80513			2	.92	11		
		11	R25EI11WTM...	80514	80515			2	.91	10		
 1.575" (40 mm)		16	R40EI16WTM...	80610	80611			2	1.56	25	(B)RTMC...L	
		14	R40EI14WTM...	80612	80613			2	1.57	22		
		12	R40EI12WTM...	80614	80615			2	1.50	18		
		11	R40EI11WTM...	80616	80617			2	1.55	17		
1.614" (41 mm)		8				R41I8WTM...	80850	80851	2	1.50	12	RTMC...B
		7				R41I7WTM...	80852	80853	2	1.57	11	
		6				R41I6WTM...	80854	80855	2	1.50	9	

MiTM inserts 25, 40 and 41 are offered with 2 cutting edges. In case of chip flow difficulty, inserts with a single cutting edge can be ordered by request. Example: R25EI16WTM(S)...



NPT

External / Internal

Defined by: USAS B2.1:1968
Tolerance class: Standard NPT

Standard MiTM

	L	Pitch	Ordering Code	EDP No.		Cutting Edge	Teeth	Toolholder	
		tpi	External+ Internal	VTX	VBX	Le	Zt		
	.748" (19 mm) NEW	18	R19EI18NPTTM...	81041	81040	1	.78	14	RTMNC...A
	.945" (24 mm)	18	R24EI18NPTTM...	80873	80874	1	.94	17	RTMNC...M
	.988" (25 mm)	14	R25EI14NPTTM...	80516	80517	1	.93	13	RTMNC...S
		11.5	R25EI11.5NPTTM...	80518	80519	1	.96	11	
	1.575" (40 mm)	8	R25EI8NPTTM...	80580	80581	1	.87	7	RTMNC-D150-050-25S5
		11.5	R40EI11.5NPTTM...	80743	80744	1	1.48	17	RTMNC-D190-075-40L7
1.614" (41 mm)	8	R40EI8NPTTM...	80728	80729	1	1.50	12		
			R41EI8NPTTM...	80840	80841	1	1.50	12	RTMC...B

NPTF

External / Internal

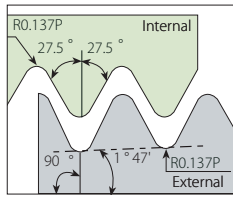
Defined by: ANSI B1.20.3-1976
Tolerance class: Standard NPTF

Standard MiTM

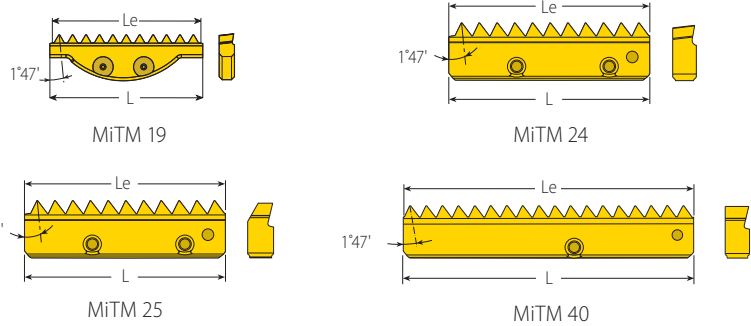
	L	Pitch	Ordering Code	EDP No.		Cutting Edge	Teeth	Toolholder	
		tpi	External+ Internal	VTX	VBX	Le	Zt		
	.748" (19 mm) NEW	18	R19EI18NPTFTM...	81043	81042	1	.78	14	RTMNC...A
	.945" (24 mm)	18	R24EI18NPTFTM...	80875	80876	1	.94	17	RTMNC...M
	.988" (25 mm)	14	R25EI14NPTFTM...	80520	80521	1	.93	13	RTMNC...S
		11.5	R25EI11.5NPTFTM...	80522	80523	1	.96	11	
	1.575" (40 mm)	8	R25EI8NPTFTM...	80582	80583	1	.87	7	RTMNC-D150-050-25S5
		11.5	R40EI11.5NPTFTM...	80745	80746	1	1.48	17	RTMNC-D190-075-40L7
1.614" (41 mm)	8	R40EI8NPTFTM...	80730	80731	1	1.50	12		
			R41EI8NPTFTM...	80842	80843	1	1.50	12	RTMC...B

BSPT

External / Internal



Defined by: B.S. 21:1985
Tolerance class: Standard BSPT



Standard MiTM



L	Pitch	Ordering Code	EDP No.		Cutting Edge	Teeth		Toolholder
			External+ Internal	VTX		VBX	Le	
.748" (19 mm)	19	R19EI19BSPTTM...	81045	81044	1	.79	15	RTMNC...A
.945" (24 mm)	19	R24EI19BSPTTM...	80871	80872	1	.95	18	RTMNC 075055-102M1
.988" (25 mm)	14	R25EI14BSPTTM...	80524	80525	1	.93	13	RTMNC...S
	11	R25EI11BSPTTM...	80526	80527	1	.91	10	
1.575" (40 mm)	11	R40EI11BSPTTM...	80732	80733	1	1.55	17	RTMNC-D190-075-40L7

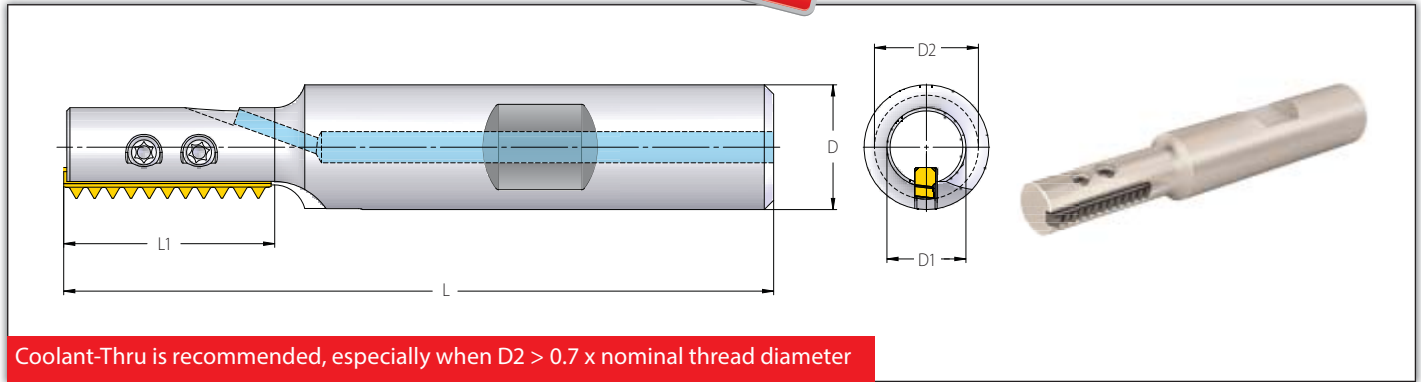
Plug Insert *



L	Ordering Code	EDP No.	Teeth		Toolholder
			External+ Internal	Zt	
.945" (24 mm)	R24NC	80858	No Teeth	RTMC...M	All Types
.988" (25 mm)	R25NC	80532		(B)RTMC...S	
1.575" (40 mm)	R40NC	80626		(B)RTMC...L	
1.614" (41 mm)	R41NC	80859		RTMC...B	

* Fill unused toolholder pockets with Plug inserts (R..NC). This assures balance and prevents instability and chips from packing into empty pockets.

Standard Toolholders (MiTM 19)



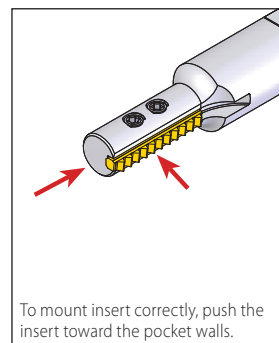
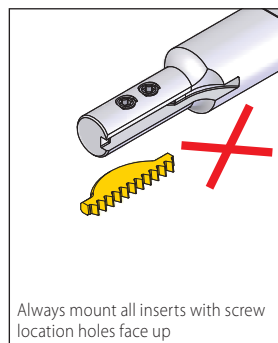
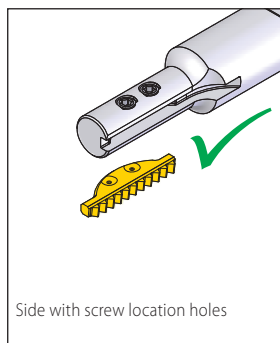
RTMC - for Standard Threads

Spare Parts (Ordering Code & EDP No.)

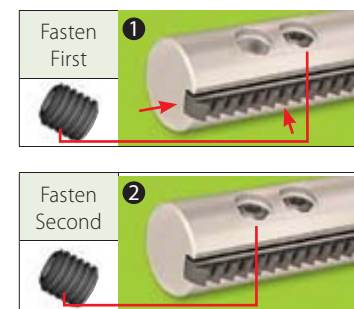
Insert Style	Ordering Code	EDP No.	Dimensions (mm)						No. of Flutes	Spare Parts	
			L	L1	D	D1	D2	Z			
mm			L	L1	D	D1	D2	Z	Location Screw x2	Torx+ Screwdriver	
.748" (19 mm)	RTMC 050039-079A1	80643	2.69	.79	.50	.30	.39	1	SLD3IP6 (M3x0.5) (80654)	KIP6 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 1.2 NxM (80656)	
	RTMC 050046-098A1	80646	2.91	.99	.50	.34	.46	1			

Standard Thread Application by Toolholder

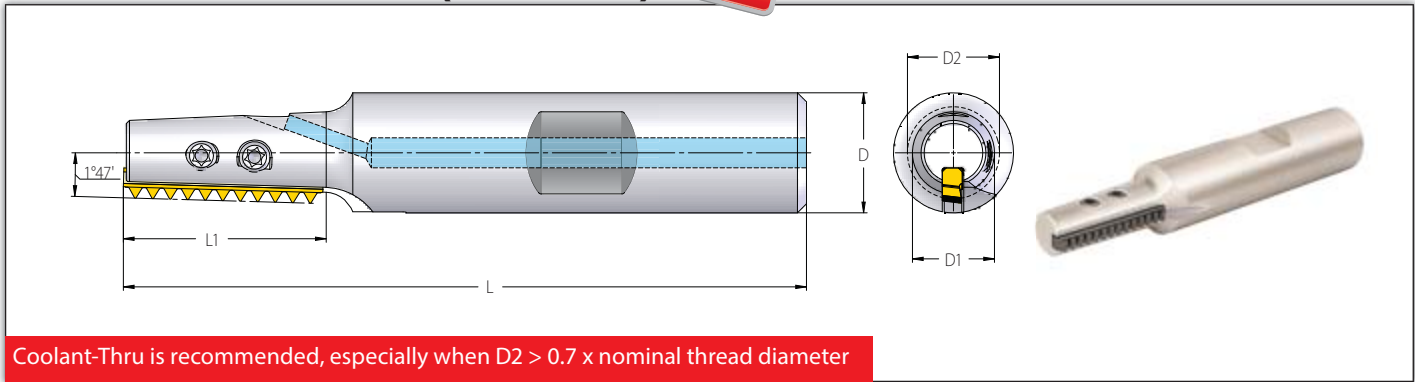
Toolholder	Min. Thread Ø						
	D2 (mm)	ISO (coarse)	ISO (fine)	UNC	UN/UNF/UNEF/UNS	BSF	BSP(G)
RTMC 050039-079A1	.39	12x1.75	11x0.5; 11X0.75; 11.5x1; 12x1.25; 12x1.5	1/2-13	7/16-32UN; 7/16-28UNEF; 7/16-27UNS; 1/2-24UNS; 1/2-20UNF; 1/2-18UNS; 1/2-16UN; 1/2-14UNS	1/2-16	1/4-19
RTMC 050046-098A1	.46	14x2.0; 16x2.0	12.5x0.5; 13X0.75; 13x1; 13.5x1.25; 14x1.5; 14x1.75	9/16-12	1/2-32UN; 9/16-28UNS; 9/16-27UNS; 9/16-24UNEF; 9/16-20UN; 9/16-18UNF; 9/16-16UN; 9/16-14UNS;	5/8-14	1/4-14



2 Step Clamping System!



Conical Toolholders (MiTM 19)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

RTMNC - for Conical Threads

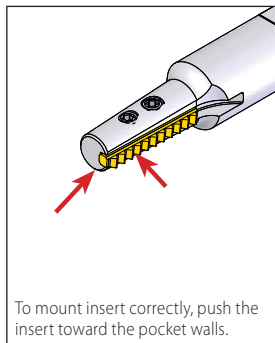
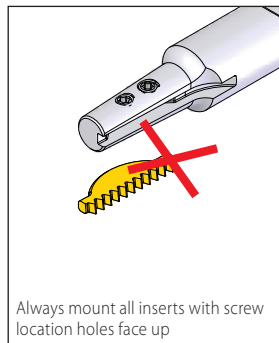
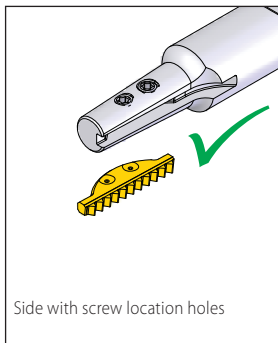
Spare Parts

Insert Style	Ordering Code	EDP No.	Dimensions (mm)						No. of Flutes	Spare Parts	
			L	L1	D	D1	D2	Z		Location Screw x2	Torx+ Screwdriver
.748" (19 mm)	RTMNC 050039-074A1	80653	2.63	.71	.50	.32	.42	1	SLD3IP6 (M3x0.5) (80654)	KIP6 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 1.2 NxM (80656)	

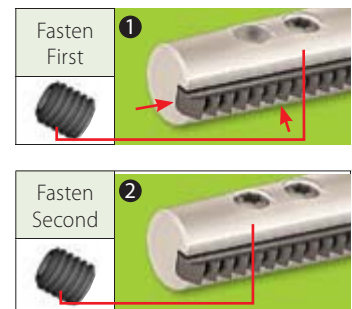
Conical Thread Application by Toolholder

Toolholder	D2 (mm)	NPT	NPTF	BSPT
		RTMNC 050039-074A1	.42	1/4-18* 3/8-18

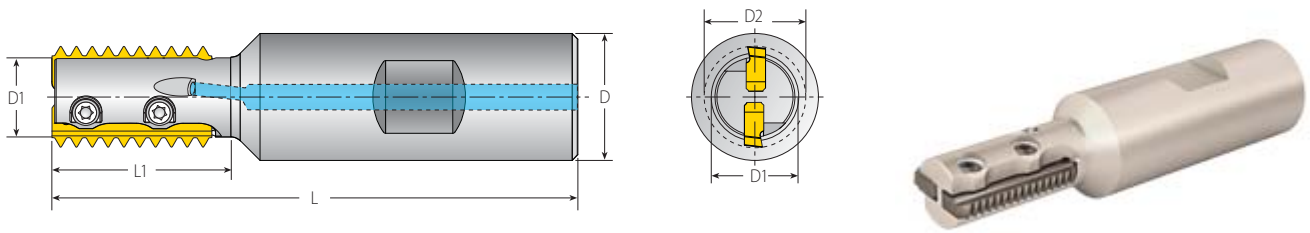
* Using MiTM 19 tools the maximum thread length is .41"



2 Step Clamping System!



Standard Toolholders (MiTM 24)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

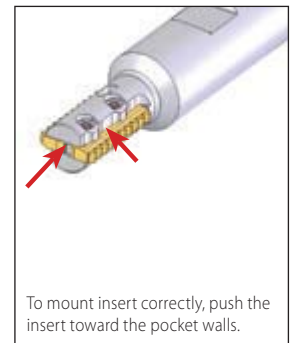
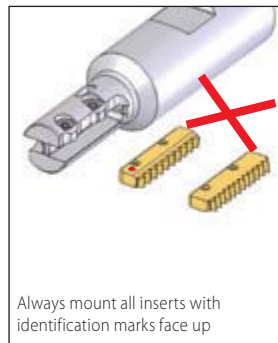
RTMC - for Standard Threads

Spare Parts (Ordering Code & EDP No.)

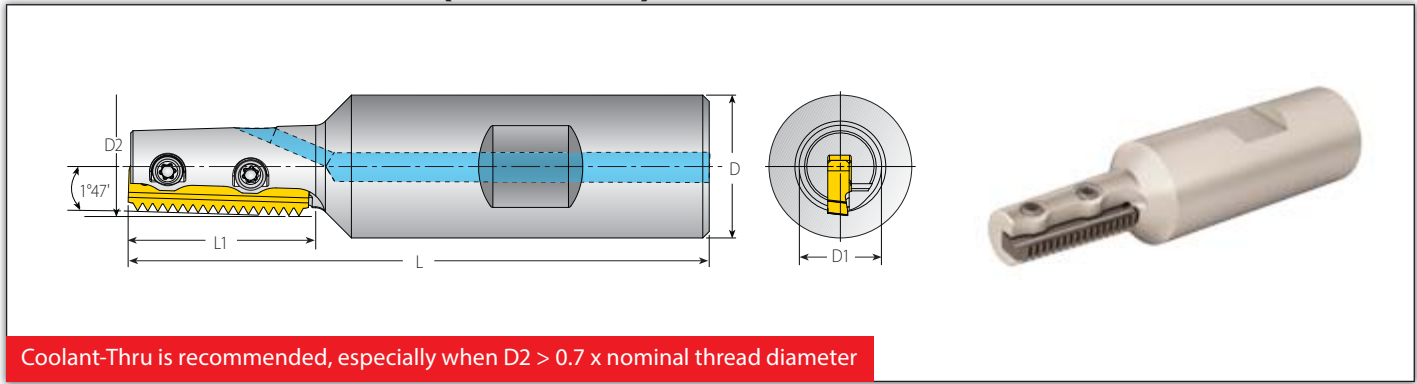
Insert Style	Ordering Code	EDP No.	Dimensions (inch)						No. of Flutes	Spare Parts (Ordering Code & EDP No.)	
			L	L1	D	D1	D2	Z		 Location Screw x2	 Torx+ Screwdriver
.945" (24 mm)	RTMC 075053-102M1	80860	3.27	1.02	.75	.42	.53	1	SLD4IP8 (M4x0.7) (80533)	KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)	
	RTMC 075059-118M1	80861	3.39	1.18	.75	.47	.59	1			
	RTMC 075063-110M2	80752	3.31	1.10	.75	.49	.63	2			
	RTMC 075063-142M1	80862	3.62	1.42	.75	.49	.63	1			

Standard Thread Application by Toolholder


Toolholder	Min. Thread Ø						
	D2 (inch)	ISO (coarse)	ISO (fine)	UNC	UN/UNF/UNEF/UNS	BSF	BSP(G)
RTMC 075053-102M1	.53	M16x2	M14.5x0.5; M15x0.75; M15x1; M15x1.25; M16x1.5; M16x1.75	-	1/16-12UN; 5/8-14UNS; 5/8-16UN; 5/8-18UNF; 5/8-20UN; 5/8-24UNEF; 5/8-28UN; 5/8-32UN	11/16-14; 3/4-12	3/8-19
RTMC 075059-118M1	.59	M18x2.5	M16x0.5; M17x0.75; M17x1; M17x1.25; M17x1.5; M18x1.75; M18x2	3/4-10	3/4-12UN; 3/4-14UNS; 1/16-16UN; 1/16-20UN; 1/16-24UNEF; 1/16-28UN; 1/16-32UN	3/4-12	-
RTMC 075063-110M2	.63	M20x2.5	M17x0.5; M17x0.75; M18x1; M18x1.25; M18x1.5; M18x1.75; M19x2	3/4-10	3/4-12UN; 3/4-14UNS; 3/4-16UN; 3/4-18UNS; 3/4-20UNEF; 1/16-24UNEF; 1/16-28UN; 1/16-32UN	3/4-12	-
RTMC 075063-142M1	.63	M20x2.5	M17x0.5; M17x0.75; M18x1; M18x1.25; M18x1.5; M18x1.75; M19x2	3/4-10	3/4-12UN; 3/4-14UNS; 3/4-16UN; 3/4-18UNS; 3/4-20UNEF; 1/16-24UNEF; 1/16-28UN; 1/16-32UN	3/4-12	-



Conical Toolholders (MiTM 24)

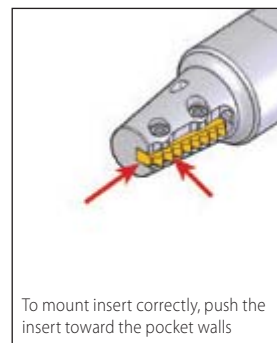
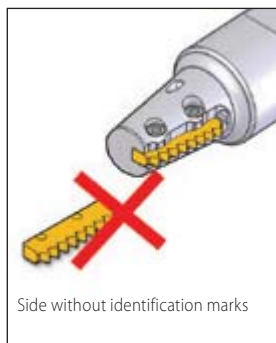
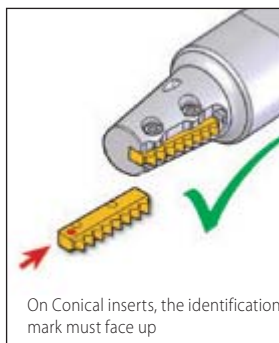


RTMC - for Conical Threads

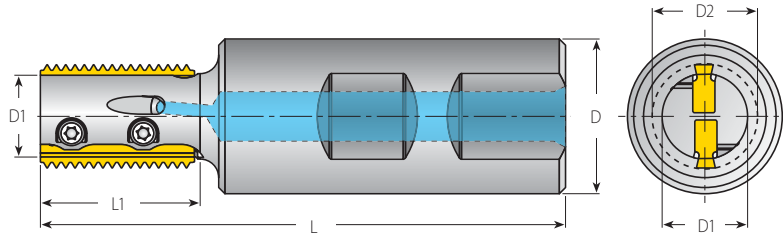
Insert Style	Ordering Code	EDP No.	Dimensions (inch)				No. of Flutes	Spare Parts (Ordering Code & EDP No.)		
			L	L1	D	D1		D2	Z	 Location Screw x2
.945" (24 mm)	RTMNC 075055-102M1	80863	3.23	1.02	.75	.45	.55	1	SLD4IP8 (M4x0.7) (80533)	KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)

Conical Thread Application by Toolholder

Toolholder	D2 (inch)	Thread		
		NPT	NPTF	BSPT
RTMNC 075055-102M1	.55	3/8-18	3/8-18	3/8-19



Standard Toolholders (MiTM 25)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

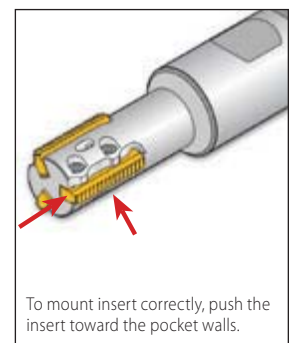
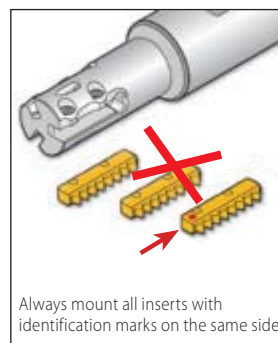
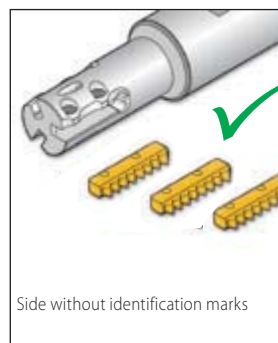
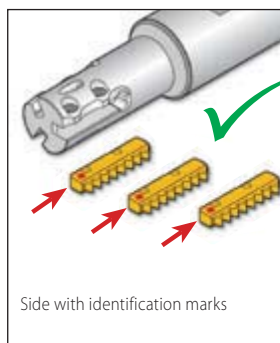
RTMC - for Standard Threads

Spare Parts (Ordering Code & EDP No.)

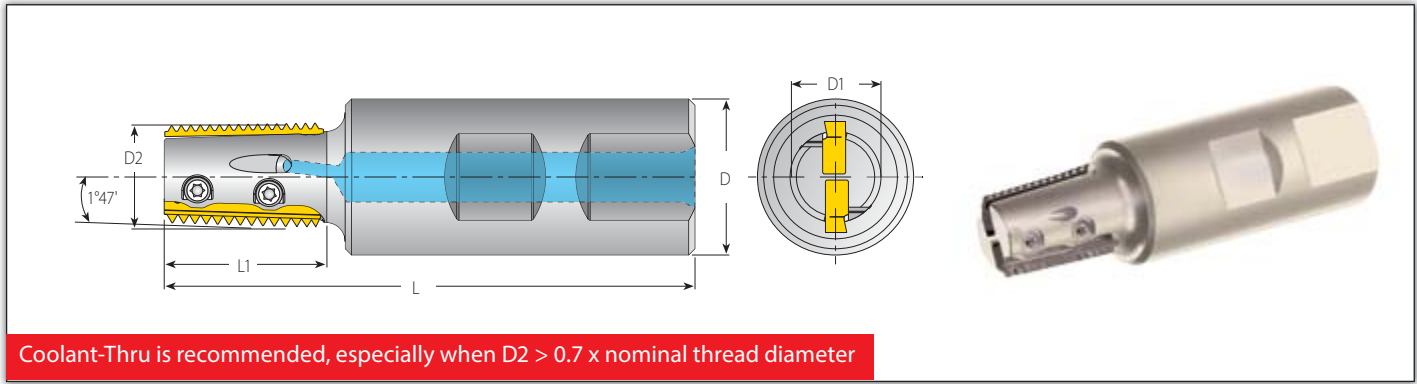
Insert Style	Ordering Code	EDP No.	Dimensions (inch)			No. of Flutes	Location Screw x2	Torx+ Screwdriver		
			L	L1	D				D1	D2
.988" (25 mm)	RTMC 075067-110S2	80748	3.29	1.10	.75	.55	.67	2	SLD4IP8 (M4x0.7) (80533)	KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)
	RTMC 075067-145S2	80747	3.65	1.45		.55	.67	2		
	RTMC 100067-110S2	80471	3.50	1.10		.55	.67	2		
	RTMC 100067-145S2	80472	3.86	1.45	1.00	.55	.67	2		
	RTMC 100075-125S2	80633	3.65	1.25		.60	.75	2		
	RTMC 100075-175S2	80634	4.15	1.75		.60	.75	2		
	RTMC 100081-150S3	80474	3.90	1.50		.65	.81	3		
	RTMC 100081-175S3	80475	4.15	1.75		.65	.81	3		
	RTMC 100087-170S3	80476	4.09	1.70		.71	.87	3		
	RTMC 100087-220S3	80478	4.60	2.20		.71	.87	3		
	RTMC 100118-220S5	80479	4.53	2.20		1.10	1.18	5		
	BRTMC 100118-315S4	80481	5.51	3.15		1.10	1.18	4		

Standard Thread Application by Toolholder

Toolholder	Min.Thread Ø						
	D2 (inch)	ISO (coarse)	ISO (fine)	UNC	UN/UNF/UNEF/UNS	BSF	BSP(G)
RTMC 075067-110S2	.67	M20x2.5	M19x1; M19x1.25; M19x1.5; M20x2	-	7/8-10UNS; 15/16-12UN; 7/8-14UNF; 3/4-16UNF; 3/4-18UNS; 3/4-20UNEF	7/8-11; 7/8-12; 7/8-14; 7/8-16	1/2-14
RTMC 075067-145S2							
RTMC 100067-110S2							
RTMC 100067-145S2							
RTMC 100075-125S2	.75	M22x2.5 M24x3	M21x1; M21x1.25; M21x1.5; M22x2	7/8-9; 1-8	7/8-20UNEF; 7/8-18UNS; 7/8-16UN; 7/8-14UNF; 7/8-12UN; 7/8-10UNS	7/8-16; 7/8-14; 15/16-12; 15/16-11	5/8-14
RTMC 100075-175S2							
RTMC 100081-150S3	.81	M24x3	M22x1; M22x1.25; M23x1.5; M23x2; M23.5x2.5	1-8	15/16-9UN; 1-10UNS; 15/16-12UN; 1-14UNS; 15/16-16UN; 7/8-18UNS; 7/8-20UNEF	1-11; 1-12; 1-14; 1-16	5/8-14
RTMC 100081-175S3							
RTMC 100087-170S3	.87	M27x3	M24x1; M24x1.25; M24x1.5; M25x2; M25x2.5	-	1 1/16-8UN; 1-9UN; 1-10UNS; 1-12UNF; 1-14UNS; 1-16UN; 1-18UN; 15/16-20UNEF	1-11; 1-12; 1-14; 1-16	3/4-14
RTMC 100087-220S3							
RTMC 100118-220S5	1.18	-	M32x1; M32x1.25; M32x1.5; M33x2; M33x2.5; M34x3	-	1 3/8-8UN; 1 3/8-9UN; 1 3/8-10UN; 1 3/8-12UN; 1 3/8-14UNS; 1 1/16-16UN; 1 1/16-18UNEF; 1 1/16-20UN	1 3/8-11; 1 3/8-12; 1 3/8-14; 1 3/8-16	1-11
BRTMC 100118-315S4							



Conical Toolholders (MiTM 25)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

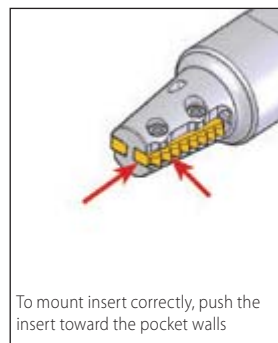
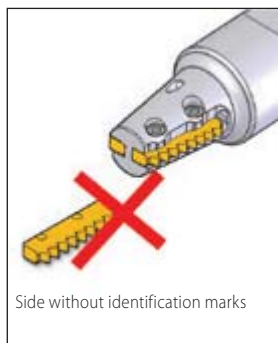
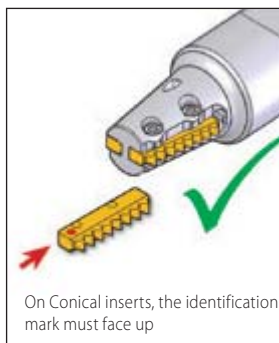
RTMNC - for Conical Threads

Spare Parts (Ordering Code & EDP No.)

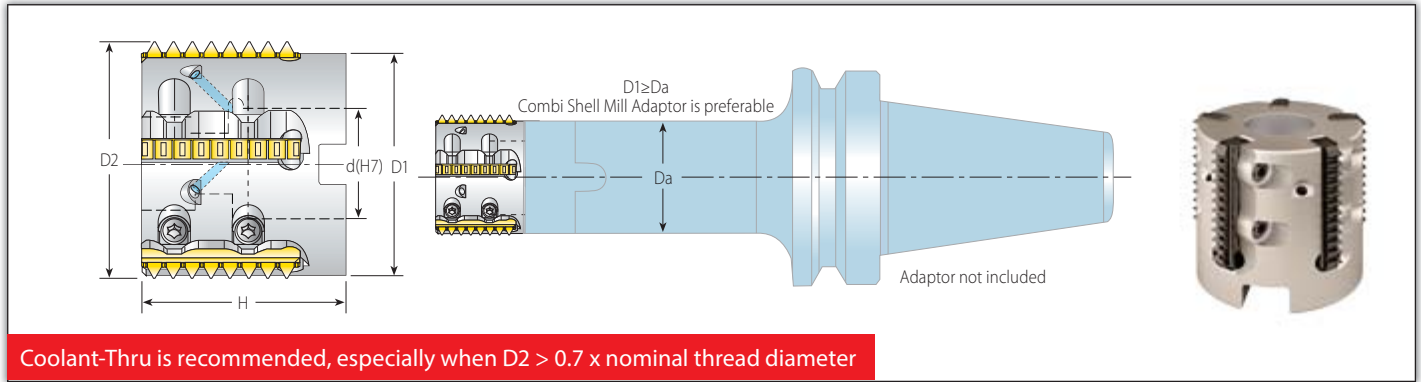
Insert Style	Ordering Code	EDP No.	Dimensions (inch)					No. of Flutes	Location Screw x2	Torx+ Screwdriver
			L	L1	D	D1	D2			
.988" (25 mm)	RTMNC 075067-110S2	80749	3.29	1.10	.75	.55	.68	2	SLD4IP8 (M4x0.7) (80533)	KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)
	RTMNC 100067-110S2	80473	3.50	1.10	1.00	.55	.68	2		
	RTMNC 100087-170S3	80477	4.09	1.70	1.00	.71	.87	3		
	RTMNC 100110-170S4	80480	4.06	1.70	1.00	1.10	1.12	4		

Conical Thread Application by Toolholder

Toolholder	D2 (inch)	Thread Ø		
		NPT	NPTF	BSPT
RTMNC 075067-110S2	.68	½-14; ¾-14; 1-11.5; 1¼-11.5; 1½-11.5; 2-11.5	½-14; ¾-14; 1-11.5; 1¼-11.5; 1½-11.5; 2-11.5	½-14; ¾-14
RTMNC 100067-110S2				
RTMNC 100087-170S3	.87	¾-14; 1-11.5; 1¼-11.5; 1½-11.5; 2-11.5	¾-14; 1-11.5; 1¼-11.5; 1½-11.5; 2-11.5	¾-14; 1-11; 1¼-11; 1½-11; 2-11; 2½-11; 3-11; 4-11; 5-11; 6-11
RTMNC 100110-170S4	1.12	1-11.5; 1¼-11.5; 1½-11.5; 2-11.5	1-11.5; 1¼-11.5; 1½-11.5; 2-11.5	1-11; 1¼-11; 1½-11; 2-11; 2½-11; 3-11; 4-11; 5-11; 6-11



Shell Mill (MiTM 25)



Conical and Standard Shell Mills

Insert Style	Ordering Code	EDP No.	Dimensions (inch)					No. of Flutes	Spare Parts (Ordering Code & EDP No.)		
			D1	D2	d(H7)	H	Z				
Standard .988" (25 mm)	RTMC-D150-050-25S5	80569	1.38	1.54	.50	1.26	5	SLD4IP8 (M4x0.7) (80533)	Torx+ Screwdriver KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)	Holder Screw 1/4"-28x1.25 (70263) 3/8"-24x1.25 (70223) 1/2"-20x1.50 (70262) 1/4"-28x1.25 (70263)	
	RTMC-D190-075-25S7	80570	1.77	1.93	.75	1.38	7				
	RTMC-D230-100-25S9	80571	2.17	2.32	1.00	1.58	9				
Conical	RTMNC-D150-050-25S5	80572	1.38	1.53*	.50	1.26	5				

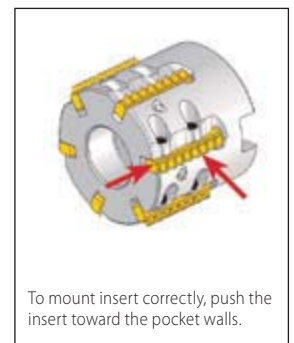
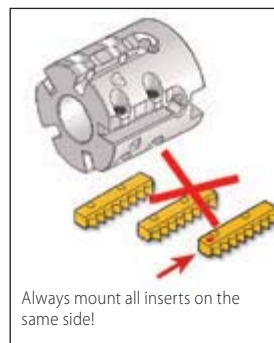
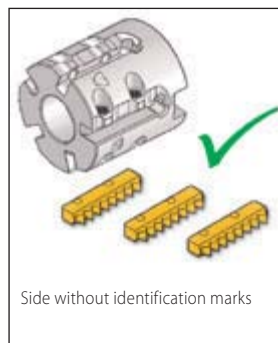
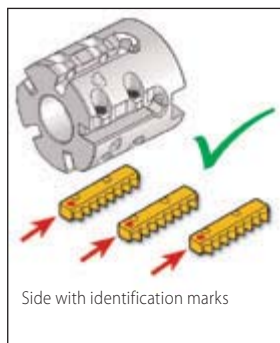
* For inserts 8NPT and 8 NPTF use for CNC program (D2 + .024")

Standard Thread Applications by Toolholder

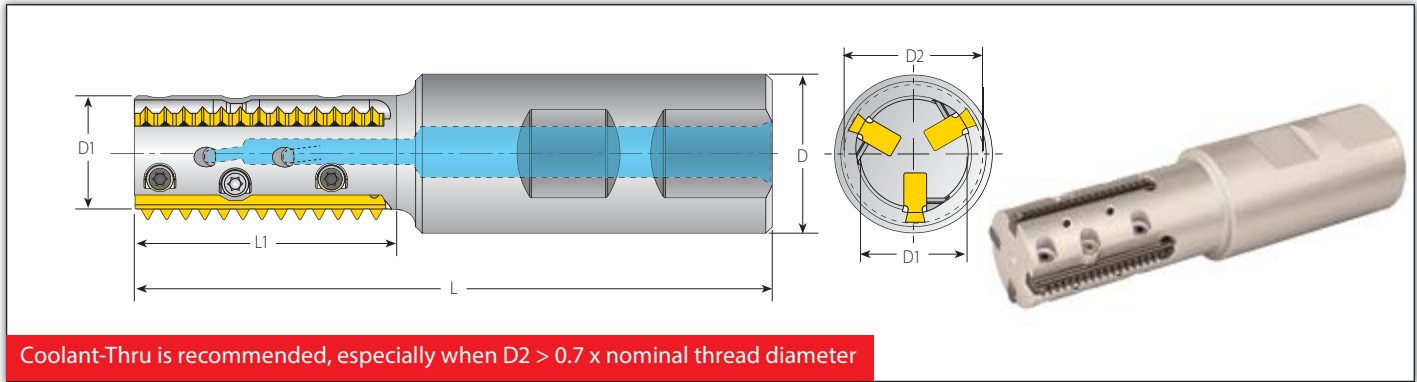
Toolholder		Min. Thread Ø				
		D2(inch)	ISO (fine)	UN/UNF/UNEF/UNS	BSW	BSP(G)
Standard	RTMC-D150-050-25S5	1.54	M42x1; M42x1.25; M42 x1.5; M45x2; M45x3	1 ¹ / ₁₆ -12UNF; 1 ³ / ₄ -14UNS; 1 ¹ / ₈ -16UN 1 ¹ / ₈ -18UNEF; 1 ¹ / ₈ -20UN;	1 ³ / ₄ -16 1 ³ / ₄ -12	1 ¹ / ₂ - 11
	RTMC-D190-075-25S7	1.93	M52x1; M52x1.25; M55x1.5; M55x2; M55x3	2 ¹ / ₈ -12UN; 2 ¹ / ₁₆ -16UN; 2 ¹ / ₈ -20UN; 2 ¹ / ₈ -8UN 2 ¹ / ₄ -10UNS; 2 ¹ / ₄ -14UNS; 2 ¹ / ₄ -18UNS	2 ¹ / ₄ -16 2 ¹ / ₄ -12	1 ³ / ₄ - 11
	RTMC-D230-100-25S9	2.32	M64x1; M64x1.25; M64x1.5; M64x2; M65x3	2 ¹ / ₂ -18UN; 2 ¹ / ₂ -20UN; 2 ¹ / ₂ -8UN 2 ¹ / ₂ -12UN; 2 ¹ / ₂ -10UN; 2 ¹ / ₂ -14UN; 2 ¹ / ₂ -16UN	2 ¹ / ₂ -16 2 ¹ / ₂ -12	2 ¹ / ₄ - 11

Conical Thread Applications by Toolholder

Toolholder		Thread Ø			
		D2(inch)	NPT	NPTF	BSPT
Conical	RTMNC-D150-050-25S5	1.53*	1 ¹ / ₂ - 11.5; 2 - 11.5; 2 ¹ / ₂ (and up) - 8	1 ¹ / ₂ - 11.5; 2 - 11.5	1 ¹ / ₂ -6 x11



Standard Toolholders (MiTM 40)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

RTMC - for Standard Threads

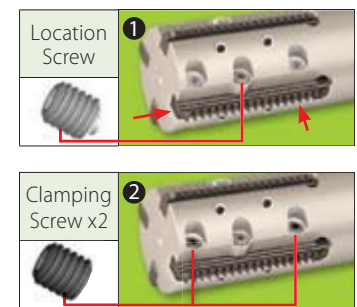
Insert Style	Ordering Code	EDP No.	Dimensions (inch)						No. of Flutes	Spare Parts (Ordering Code & EDP No.)		
			L	L1	D	D1	D2	Z		Location Screw	Clamping Screw x2	Torx+ Screwdriver
1.575" (40 mm)	RTMC 100087-169L3	80618	4.00	1.69	1.00	.71	.87	3	SLD4IP8A (M4x0.7) (80533)	SCD4IP8 (M4x0.7) (80622)	•Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)	
	RTMC 100087-256L3	80619	4.87	2.56	1.00	.71	.87	3				
	RTMC 125118-215L4	80620	4.55	2.15	1.25	1.02	1.18	4				
	BRTMC 125118-315L3	80621	5.35	3.15	1.25	1.02	1.18	3				

Standard Thread Application by Toolholder

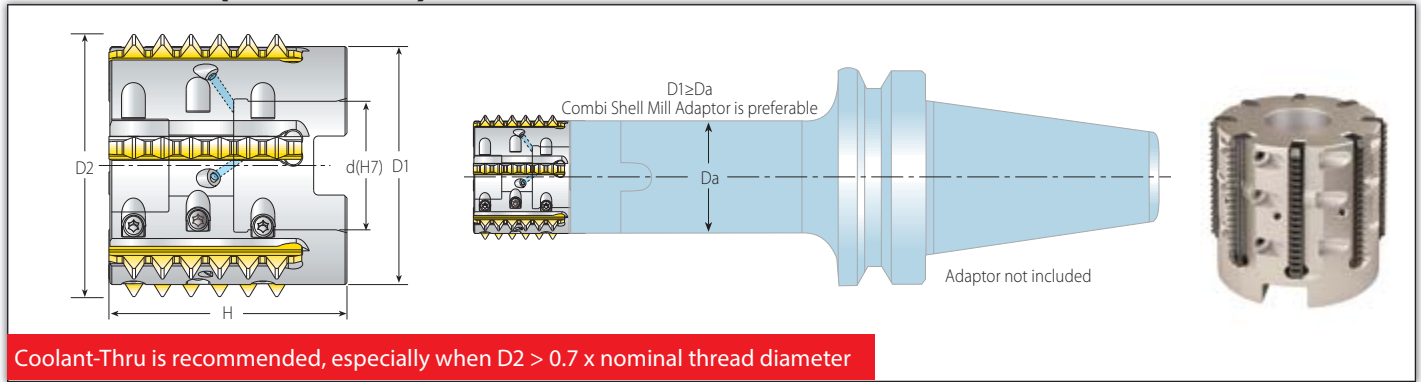
Toolholder	Min. Thread Ø						
	D2 (inch)	ISO (coarse)	ISO (fine)	UNC	UN/UNF/UNEF/UNS	BSF	BSP(G)
RTMC 100087-169L3	.87	M27x3	M24x1; M24x1.5 M25x2; M25x2.5	-	1 1/16-8UN; 1-9UN; 1-10UNS; 1-12UNF; 1-14UNS; 1-16UN; 1-18UN; 1 1/16-20UNEF	1-11; 1-12; 1-14; 1-16;	3/4-14
RTMC 100087-256L3	.87	M27x3	M24x1; M24x1.5 M25x2; M25x2.5	-	1 1/16-8UN; 1-9UN; 1-10UNS; 1-12UNF; 1-14UNS; 1-16UN; 1-18UN; 1 1/16-20UNEF	1-11; 1-12; 1-14; 1-16;	3/4-14
RTMC 125118-215L4	1.18	-	M32x1; M32x1.5 M33x2; M33x2.5; M34x3	-	1 3/8-8UN; 1 3/8-9UN; 1 3/8-10UN; 1 1/16-12UN; 1 3/8-14UNS; 1 1/16-16UN; 1 1/16-18UNEF; 1 1/16-20UN	1 3/8-11; 1 3/8-12; 1 3/8-14; 1 3/8-16	1-11
BRTMC 125118-315L3	1.18	-	M32x1; M32x1.5 M33x2; M33x2.5; M34x3	-	1 3/8-8UN; 1 3/8-9UN; 1 3/8-10UN; 1 1/16-12UN; 1 3/8-14UNS; 1 1/16-16UN; 1 1/16-18UNEF; 1 1/16-20UN	1 3/8-11; 1 3/8-12; 1 3/8-14; 1 3/8-16	1-11



2 Step Clamping System!



Shell Mill (MiTM 40)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

Conical and Standard Shell Mills

Spare Parts (Ordering Code & EDP No.)

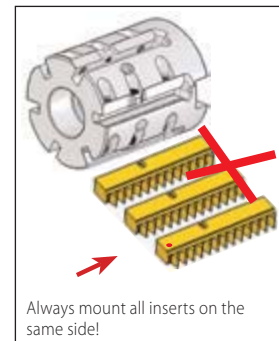
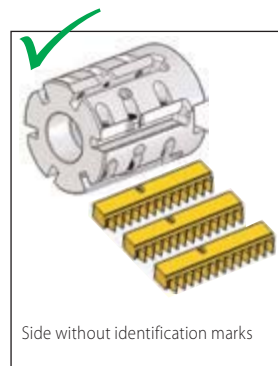
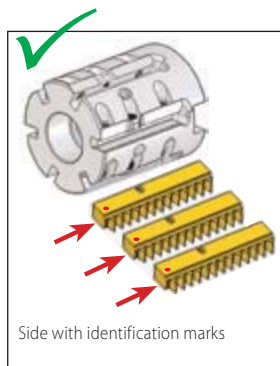
Insert Style	Ordering Code	EDP No.	Dimensions (inch)					No. of Flutes	Location Screw	Clamping Screw x2	Torx+ Screwdriver KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)	Holder Screw
			D1	D2	d(H7)	H	Z					
Standard 1.575" (40 mm)	RTMC D190-075-40L7	80623	1.77	1.93	.75	1.97	7	SLD4IP8A (M4x0.7) (80533)	SCD4IP8 (M4x0.7) (80622)			3/8"-24x1.25 (70223)
	RTMC D230-100-40L9	80624	2.17	2.32	1.00	2.00	9					1/2"-20x1.5 (70224)
Conical	RTMNC D190-075-40L7	80625	1.77	1.93	.75	1.97	7					3/8"-24x1.25 (70223)

Standard Thread Application per Toolholder

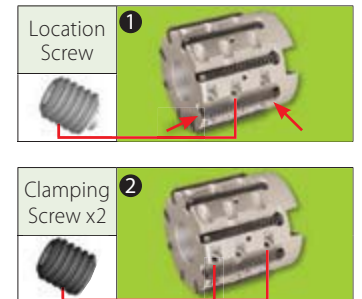
Toolholder		Min. Thread Ø				
		D2 (inch)	ISO (fine)	UN/UNF/UNEF/UNS	BSW	BSP(G)
Standard	RTMC D190-075-40L7	1.93	M52x1; M55x1.5; M55x2; M55x3	2 1/8 -8UN; 2 1/8 -12UN; 2 1/16 -16UN; 2 1/2 -20UN; 2 1/4 -10UNS; 2 1/4 -14UNS; 2 1/4 -18UNS	2 1/4 -12; 2 1/4 -16	1 3/4 -11
	RTMC D230-100-40L9	2.32	M64x1; M64x1.5; M64x2; M65x3	2 1/2 -8UN; 2 1/2 -10UNS; 2 1/2 -12UN; 2 1/2 -14UNS; 2 1/2 -16UN; 2 1/2 -18UNS; 2 1/2 -20UN	2 1/2 -12; 2 1/2 -16	2 1/4 -11

Conical Thread Application by Toolholder

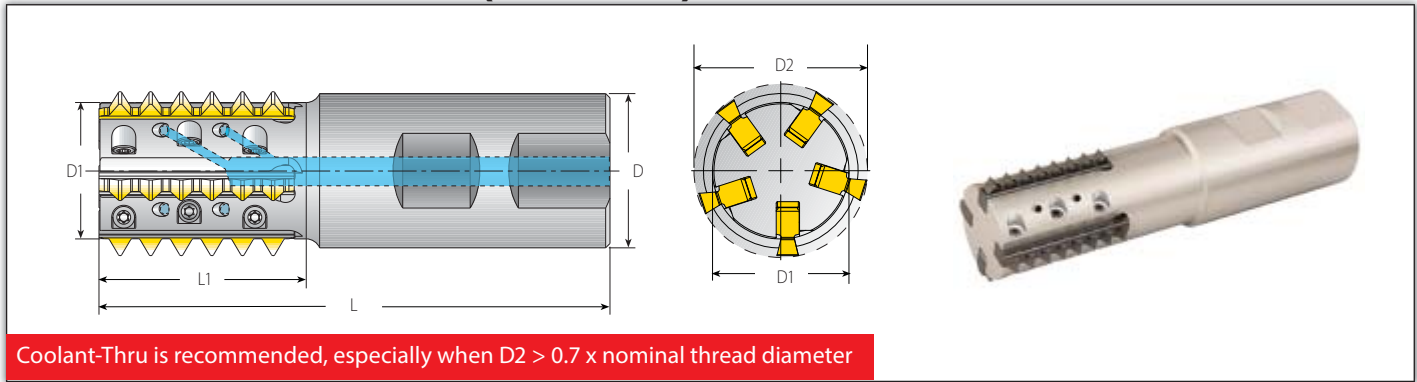
Toolholder		Min. Thread Ø			
		D2 (inch)	NPT	NPTF	BSPT
Conical	RTMNC D190-075-40L7	1.93	2-11.5; 2 1/2-8 (and up)	2-11.5; 2 1/2-8; 3-8	2 1/2-6x11



2 Step Clamping System!



Standard Toolholders (MiTM 41)



Coolant-Thru is recommended, especially when $D2 > 0.7 \times$ nominal thread diameter

RTMC - for Standard Threads

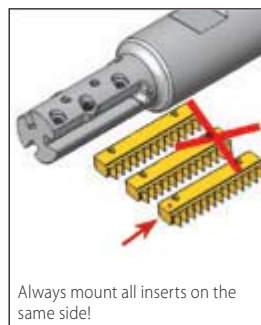
Spare Parts (Ordering Code & EDP No.)

Insert Style	Ordering Code	EDP No	Dimensions (inch)						No. of Flutes			
			L	L1	D	D1	D2*	Z				
mm			L	L1	D	D1	D2*	Z	Location Screw x2	Clamping Screw	Torx+ Screwdriver	
1.614" (41 mm)	NEW RTMC 100083-177B1	80654	4.13	1.77	1.00	.63	.835	1	SLD4IP8A (M4x0.7) (80533)	SCD4IP8 (M4x0.7) (80622)	KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbfxin (70231)	
	RTMC 100096-169B2	80864	4.13	1.69	1.00	.76	.97	2				
	RTMC 125118-169B3	80865	4.13	1.69	1.25	.95	1.18	3				
	RTMC 125118-256B3	80866	5.00	2.56	1.25	.95	1.18	3				
	RTMC 125141-169B5	80867	4.13	1.69	1.25	1.11	1.42	5				
	RTMC 125141-256B4	80868	4.98	2.56	1.25	1.11	1.42	4				

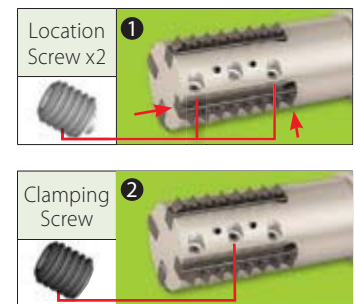
Standard Thread Application by Toolholder

Toolholder	D2* (inch)	Min. Thread Ø						
		ISO (coarse)	ISO (fine)	UNC	UN/UNF/UNEF/UNS	BSW/BSF	NPT	NPTF
RTMC 100083-177B1	.835	M27x3; M30x3.5; M33X3.5; M36X4; M39X4;	M30X3; M42x4	1-8, 1 1/8-7; 1 1/4-7; 1 3/8-6; 1 1/2-6;	1 1/16-8UN; 1 1/16-6UN	1-8BSW, 1 1/8-7BSW	-	-
RTMC 100096-169B2	.97	M30x3.5; M36x4	M28X3; M45x4	1 1/8-7; 1 3/8-6	1 1/8-8UN; 1 1/16-6UN	1 3/8-8BSF; 1 1/4-7BSW	-	-
RTMC 125118-169B3	1.18	M36x4; M42x4.5	M34X3; M34x3.5; M45x4	1 3/8-6	1 3/8-8UN; 1 1/16-6UN	1 3/8-8BSF; 1 3/4-7BSF; 1 1/2-6BSW	-	-
RTMC 125118-256B3	1.18	M36x4; M42x4.5	M34X3; M34x3.5; M45x4	1 3/8-6	1 3/8-8UN; 1 1/16-6UN	1 3/8-8BSF; 1 3/4-7BSF; 1 1/2-6BSW	-	-
RTMC 125141-169B5	1.42	M42x4.5; M48x5; M56x5.5; M64x6	M40x3; M40x3.5; M42x4; M70x6	1 3/4-5; 2-4.5; 2 1/2-4	1 1/8-8UN; 1 1/8-6UN	1 3/8-8BSF; 1 3/4-7BSF; 1 1/8-6BSF	2 1/2-8	2 1/2-8
RTMC 125141-256B4	1.42	M42x4.5; M48x5; M56x5.5; M64x6	M40x3; M40x3.5; M42x4; M70x6	1 3/4-5; 2-4.5; 2 1/2-4	1 1/8-8UN; 1 1/8-6UN	1 3/8-8BSF; 1 3/4-7BSF; 1 1/8-6BSF	2 1/2-8	2 1/2-8

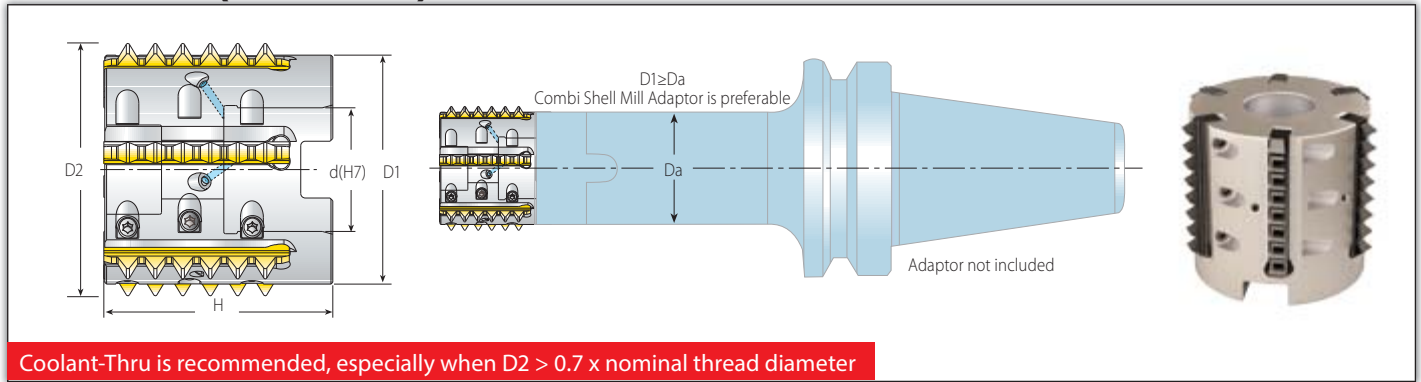
* For external applications, inserts R41E... use for CNC program (D2 +0.024")



2 Step Clamping System!



Shell Mill (MiTM 41)

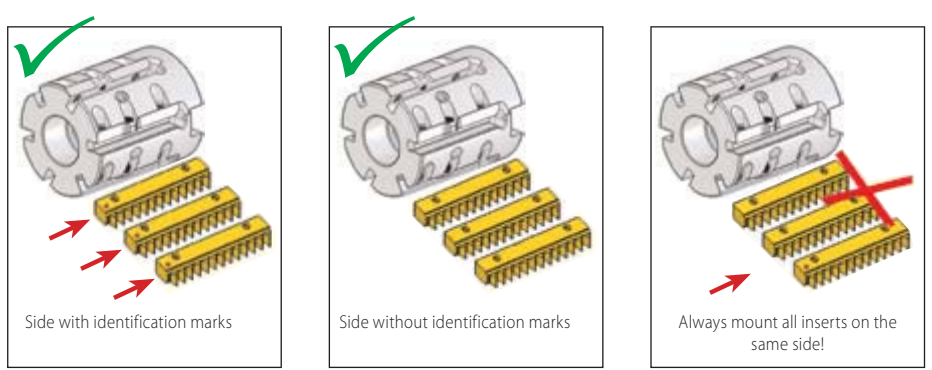


Standard Shell Mill					Spare Parts (Ordering Code & EDP No.)						
Insert Style	Ordering Code	EDP No.	Dimensions (inch)			No. of Flutes					
			D1	D2*	d(H7)		H	Z	Location Screw x2	Clamping Screw	Torx+ Screwdriver
1.614" (41 mm)	RTMC D209-075-41B5	80869	1.77	2.08*	.75	2.00	5	SLD4IP8A (M4x0.7) (80533)	SCD4IP8 (M4x0.7) (80622)	KIP8 •Use the included Vardex Torx+ screwdriver only •Recommended max. torque 10.6 lbf·in (70231)	3/8"-24x1.5 (70264)
	RTMC D248-100-41B6	80870	2.17	2.48*	1.00	2.00	6				1/2"-20x1.5 (70224)

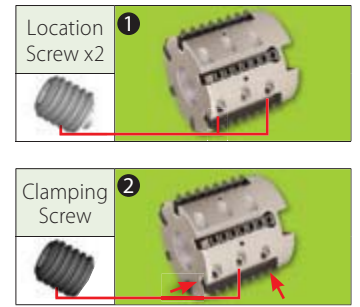
Standard Thread Application by Toolholder

Toolholder	Min. Thread Ø							
	D2* (inch)	ISO (coarse)	ISO (fine)	UNC	UN/UNF/UNEF/UNS	BSF	NPT	NPTF
RTMC D209-075-41B5	2.08*	M64X6	M58x4; M70x6	2½-4	2¾-6UN; 2¾-8UN	2¾-8; 2½-6	2½-8	2½-8
RTMC D248-100-41B6	2.48*	-	M68x4; M70x6	3-4	2¾-6UN; 2¾-8UN	2¾-8; 2¾-6	2½-8	2½-8

* For external applications, inserts R41E... use for CNC program (D2 +.024")





2 Step Clamping System!



Recommended Grades, Cutting Speeds Vc [ft/min] and Feed f [inch/tooth]

Material Group	Vardex No.	Material	Hardness Brinell HB	Vc [ft/min]		Feed f [inch/tooth]		
				VBX	VTX	f (Excluding MiTM 19)	f (for MiTM 19)	
P Steel	1	Unalloyed steel	Low carbon (C=0.1-0.25%)	125	328-689	295-590	.0040-.0138	.0024-.0083
	2		Medium carbon (C=0.25-0.55%)	150	328-590	295-558	.0040-.0157	.0024-.0094
	3		High Carbon (C=0.55-0.85%)	170	328-558	295-524	.0040-.0138	.0024-.0083
	4	Low alloy steel (alloying elements ≤5%)	Non hardened	180	295-197	295-508	.0040-.0157	.0024-.0094
	5		Hardened	275	262-492	262-525	.0040-.0138	.0024-.0083
	6		Hardened	350	230-459	230-492	.0040-.0118	.0024-.0071
	7	High alloy steel (alloying elements >5%)	Annealed	200	197-426	230-377	.0040-.0138	.0024-.0083
	8		Hardened	325	230-361	197-328	.0040-.0080	.0024-.0048
	9	Cast steel	Low alloy (alloying elements <5%)	200	328-558	328-558	.0040-.0118	.0024-.0071
	10		High alloy (alloying elements >5%)	225	230-394	230-426	.0040-.0080	.0024-.0048
M Stainless Steel	11	Stainless steel Ferritic	Non hardened	200	328-558	394-590	.0040-.0118	.0024-.0071
	12		Hardened	330	328-558	394-590	.0040-.0080	.0024-.0048
	13	Stainless steel Austenitic	Austenitic	180	230-460	328-459	.0040-.0118	.0024-.0071
	14		Super Austenitic	200	230-460	328-459	.0040-.0080	.0024-.0048
	15	Stainless steel Cast Ferritic	Non hardened	200	230-460	328-459	.0040-.0118	.0024-.0071
	16		Hardened	330	230-460	328-459	.0040-.0080	.0024-.0048
	17	Stainless steel Cast austenitic	Austenitic	200	230-394	328-394	.0040-.0118	.0024-.0071
	18		Hardened	330	230-394	328-394	.0040-.0080	.0024-.0048
K Cast Iron	28	Malleable Cast iron	Ferritic (short chips)	130	197-426	328-394	.0020-.0063	.0012-.0038
	29		Pearlitic (long chips)	230	197-394	262-328	.0016-.0040	.0001-.0024
	30	Grey cast iron	Low tensile strength	180	197-426	262-328	.0040-.0118	.0024-.0071
	31		High tensile strength	260	197-328	262-328	.0040-.0080	.0040-.0048
	32	Nodular SG iron	Ferritic	160	197-410	262-328	.0040-.0118	.0024-.0071
	33		Pearlitic	260	164-295	197-295	.0040-.0080	.0024-.0048
N_(K) Non-Ferrous Metals	34	Aluminium alloys Wrought	Non aging	60	328-820		.0060-.0216	.0036-.0130
	35		Aged	100	328-590		.0060-.0197	.0036-.0118
	36	Aluminium alloys Cast	Cast	75	492-1312		.0060-.0197	.0036-.0118
	37		Cast & aged	90	492-918		.0040-.0157	.0024-.0094
	38		Cast Si 13-22%	130	262-492		.0060-.0197	.0036-.0118
	39	Copper and copper alloys	Brass	90	394-689	328-565	.0060-.0197	.0036-.0118
	40		Bronze and non leaded copper	100	394-689	328-565	.0040-.0157	.0024-.0094
S_(M) Heat Resistant Material	19	High temperature alloys	Annealed (Iron based)	200	66-148	66-131	.0040-.0080	.0024-.0048
	20		Aged (Iron based)	280	66-98	66-98	.0016-.0040	.0001-.0024
	21		Annealed (Nickel or Cobalt based)	250	49-66	49-66	.0016-.0040	.0001-.0024
	22		Aged (Nickel or Cobalt based)	350	33-49	33-49	.0016-.0040	.0001-.0024
	23	Titanium alloys	Pure 99.5 Ti	400Rm	230-459	230-394	.0016-.0040	.0001-.0024
	24		α+β alloys	1050Rm	66-164	66-164	.0016-.0040	.0001-.0024
H_(K) Hardened Material	25	Extra hard steel	Hardened & tempered	45-50HRc	49-148	49-148	.0024-.0047	.0014-.0028
	26			51-55HRc	49-131	49-131	.0016-.0031	.0001-.0019

Grades

Grade	Application	Sample
VBX	TiCN coated carbide grade. Excellent grade for steels and general use.	
VTX	TiAlN coated carbide grade. Ideal for Stainless Steels.	



MITM

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VARDEX

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