

CMT Vertical Mill-Thread



Vertical milling indexable inserts and toolholders to perform a wide variety of threads, grooves, chamfers and more.

Advantages of CMT - Vertical Mill-Thread

- Ground profile inserts for high precision and excellent performance.
- Working at high machining parameters, with high surface quality.
- Solid and accurate clamping method enables full repeatability.
- Same insert for right-hand or left-hand threads.
- Toolholders include weldon shank and coolant bore.
- Chamfer inserts are also available.

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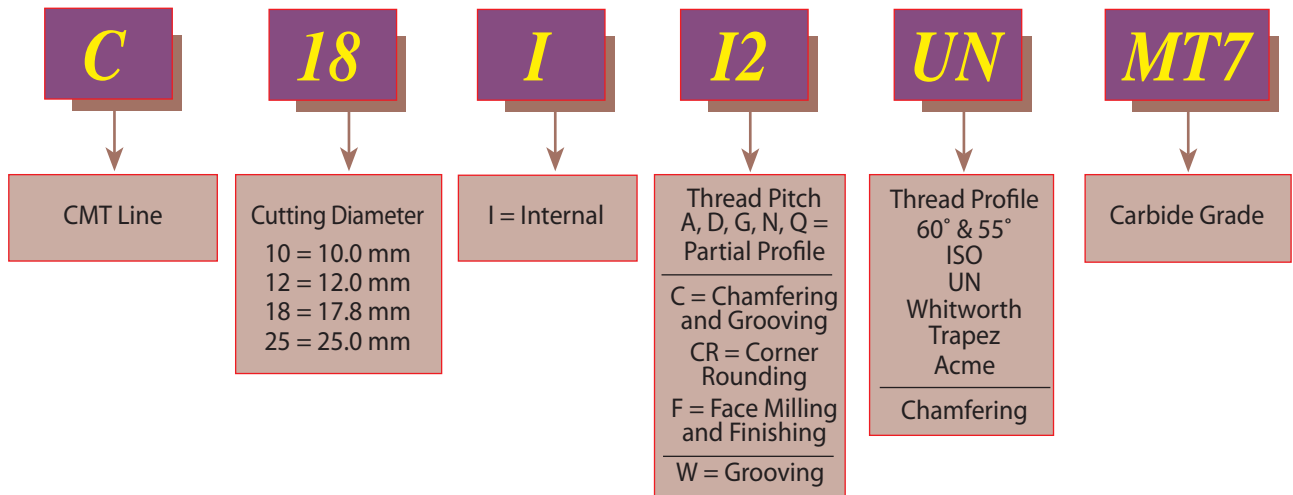
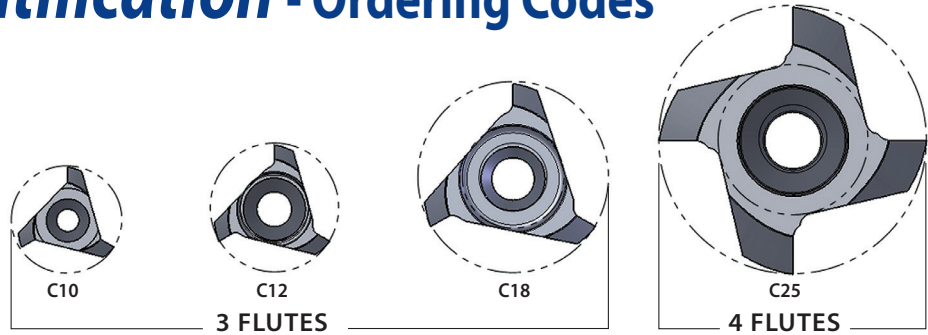
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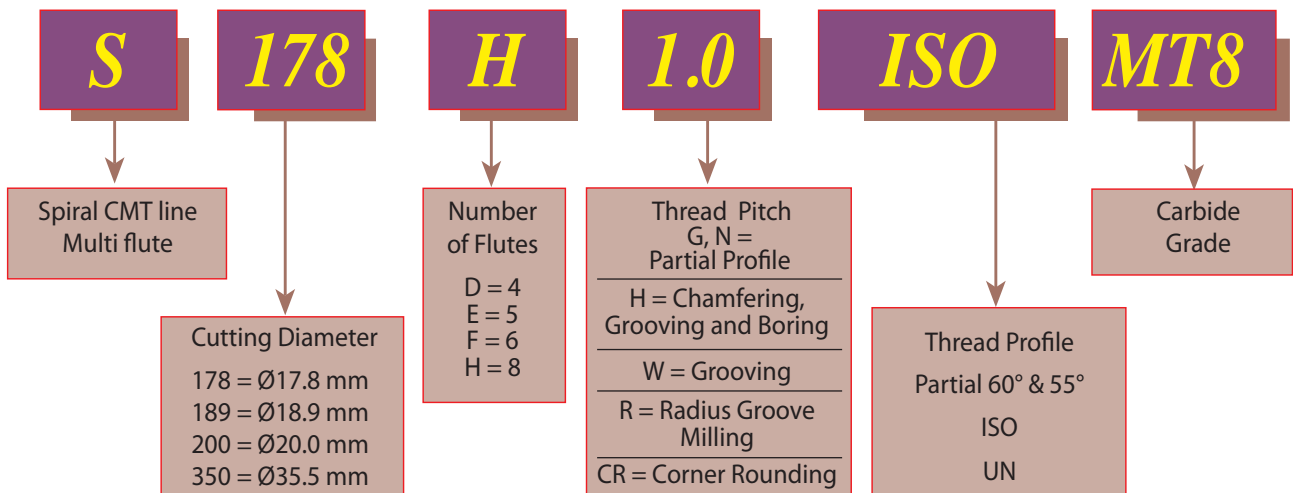
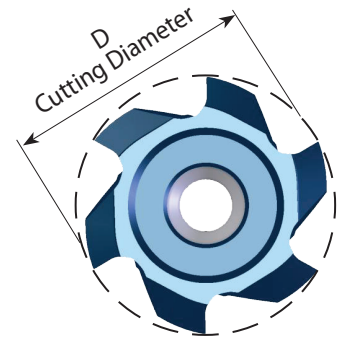
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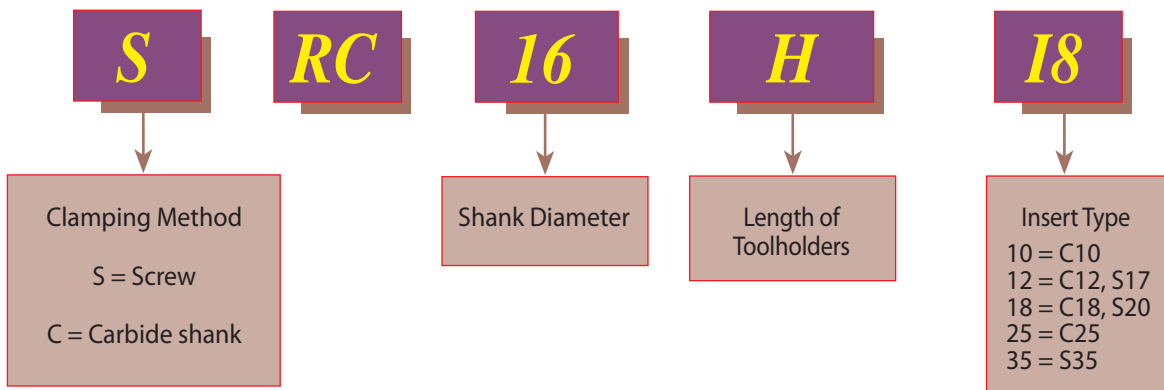
Product Identification - Ordering Codes



CMT Spiral Multi Flute Inserts

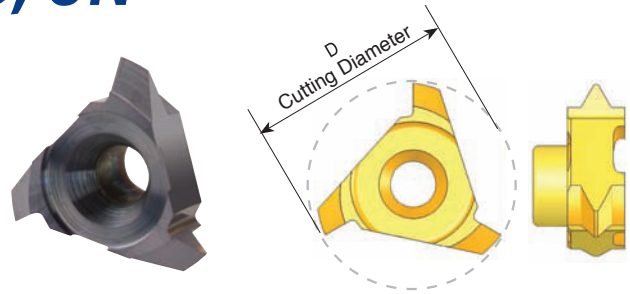


Product Identification - Ordering Codes CMT Toolholders



Partial Profile 60° - ISO, UN

Same insert for internal and external thread



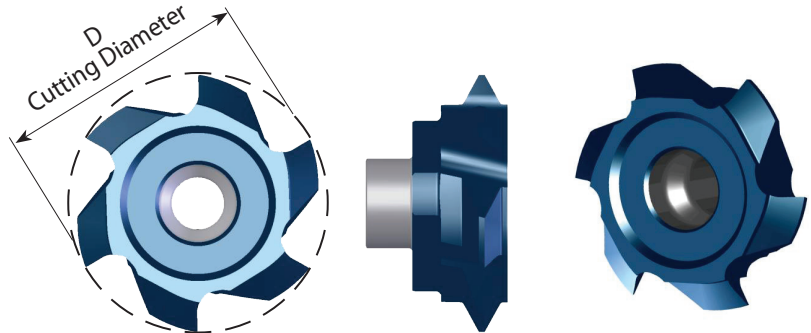
Insert Type	Pitch Range mm	Pitch Range TPI	Ordering Code	D	Thread Diameter (min)		Holder Code
					Pitch Low Range	Pitch High Range	
C10	Int. 0.5 - 0.8	56 - 28	C10 A60	10.0	$\varnothing \geq 11$	$\varnothing \geq 12$	H1, 2, 12, 13
	Ex. 0.4 - 0.8	64 - 32					
	Int. 1.0 - 2.0	28 - 13	C10 G60		$\varnothing \geq 12$	$\varnothing \geq 14$	
	Ex. 0.8 - 1.75	32 - 15					
C12	Int. 0.5 - 0.8	56 - 28	C12 A60	12.0	$\varnothing \geq 13$	$\varnothing \geq 14$	H3, 4, 5, 14, 15
	Ex. 0.4 - 0.8	64 - 32					
	Int. 1.0 - 2.0	28 - 13	C12 G60		$\varnothing \geq 14$	$\varnothing \geq 16$	
	Ex. 0.8 - 1.75	32 - 15					
C18	Int. 0.5 - 0.8	56 - 28	C18 A60	17.8	$\varnothing \geq 19$		H6, 7, 8, 9, 16
	Ex. 0.4 - 0.8	64 - 32					
	Int. 1.0 - 1.75	28 - 14	C18 G60		$\varnothing \geq 20$	$\varnothing \geq 21$	
	Ex. 0.8 - 1.5	32 - 16					
	Int. 2.0 - 3.0	13 - 8	C18 D60		$\varnothing \geq 21$	$\varnothing \geq 23$	
	Ex. 1.75 - 2.5	15 - 10					
C25	Int. 1.5 - 2.5	16 - 10	C25 G60	25.0	$\varnothing \geq 28$	$\varnothing \geq 30$	H10, 11, 17, 18
	Ex. 1.0 - 2.0	28 - 13					
	Int. 3.0 - 5.0	8 - 5	C25 N60		$\varnothing \geq 30$	$\varnothing \geq 34$	
	Ex. 2.5 - 4.5	10 - 6					
	Int. 5.0 - 6.0	5 - 4	C25 Q60		$\varnothing \geq 34$	$\varnothing \geq 35$	
	Ex. 4.5 - 5.0	6 - 5					

* For complete toolholder description see pages 193 and 194

Partial Profile 60° - ISO, UN

Same insert for internal and external thread

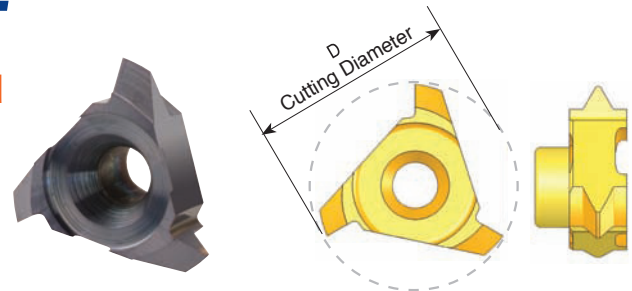
Multi Flute



Insert Type	Ordering Code	Pitch Range mm	Pitch Range TPI	D	No. of Flutes	Thread Dia (min)		Holder Code
						Pitch Low range	Pitch High range	
S20	S200 F G60	Int. 1.5-2.5	16-10	20.0	6	$\text{Ø} \geq 23$	$\text{Ø} \geq 25$	H6, 7, 8, 9, 16
		Ex. 1.0-2.0	28-13	20.0	6	$\text{Ø} \geq 23$	$\text{Ø} \geq 25$	
	S200 D N60	Int. 3.0-5.0	8- 5	20.0	4	$\text{Ø} \geq 25$	$\text{Ø} \geq 29$	H16
		Ex. 2.5-4.5	10-6	20.0	4	$\text{Ø} \geq 25$	$\text{Ø} \geq 29$	

Partial Profile 60° - NPT

Same insert for internal and external thread

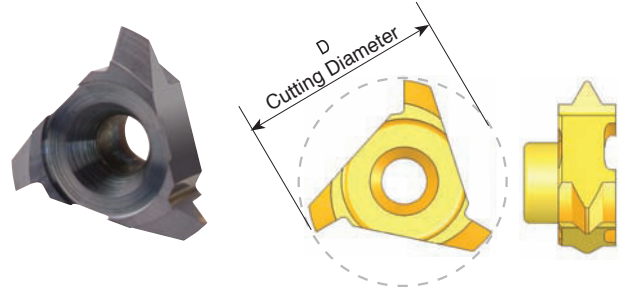


Insert Type	Pitch TPI	Standard	Ordering Code	D	Holder Code
C10	18	1/4 - 3/8	C10 18 NPT	10.0	H1, 2, 12
C18	14	1/2 - 3/4	C18 14 NPT	15.8	H16
C25	11.5	1-2	C25 11.5NPT	25.0	H10, 11, 17, 18
	8	$\geq 2 \frac{1}{2}$	C25 8 NPT	25.0	

* For complete toolholder description see pages 193 and 194

Partial Profile 55° - BSP(G), BSF, BSW

Same insert for internal and external thread

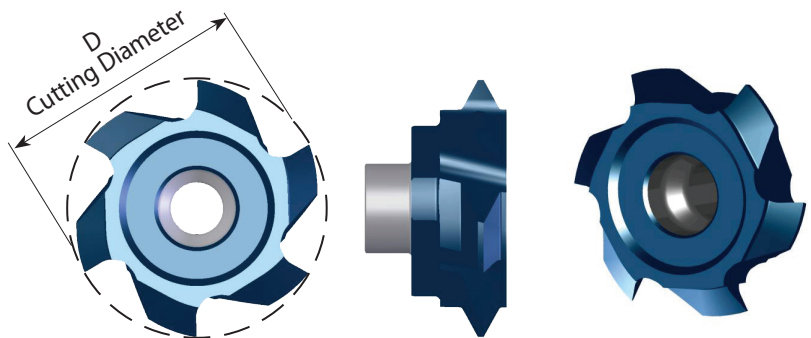


Insert Type	Pitch Range TPI	Ordering Code	D	Thread Dia. (min)	Holder Code
C10	19-14	C10 G55	10.0	$\text{Ø} \geq 13$	H1, 2, 12
C12	28-19	C12 G55	12.0	$\text{Ø} \geq 14$	H3, 4, 5, 14, 15
	14- 11	C12 N55	12.2	$\text{Ø} \geq 16$	H3, 4, 5, 14
C18	14- 8	C18 G55	18.0	$\text{Ø} \geq 23$	H6, 7, 8, 9, 16
C25	7- 5	C25 N55	25.0	$\text{Ø} \geq 31$	H10, 11, 17, 18

Partial Profile 55° - BSP(G), BSF, BSW

Same insert for internal and external thread

Multi Flute

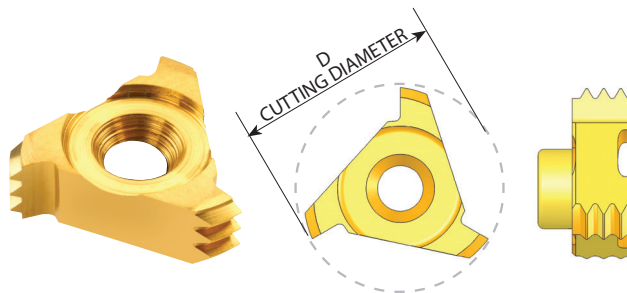


Insert Type	Ordering Code	Pitch Range TPI	D	No. of Flutes	Thread Dia (min)	Holder Code
S20	S195 F G55	14	19.5	6	$\text{Ø} \geq 23$	H6, 7, 8, 9, 16
	S200 D N55	8-6	20.0	4	$\text{Ø} \geq 25$	H16

* For complete toolholder description see pages 193 and 194

Full Profile - ISO

Inserts for internal thread



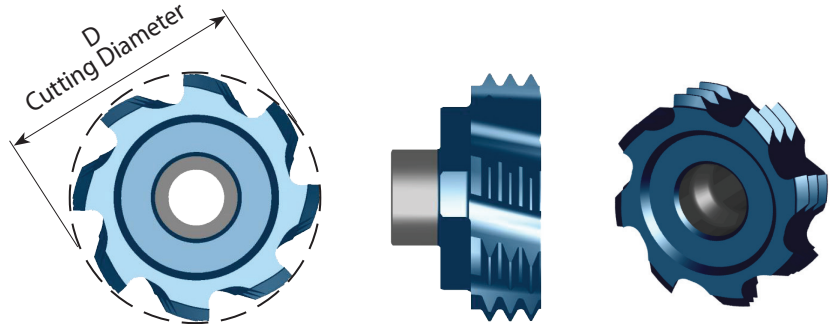
Insert Type	Pitch mm	M coarse	M fine	Ordering Code	Number of Teeth	D	Holder Code
C10	0.5		$\varnothing \geq 10$	C10 I 0.5 ISO	6	9.0	H1, 2, 12, 13
	1.0		$\varnothing \geq 12$	C10 I 1.0 ISO	3	10.0	
	1.5		$\varnothing \geq 13$	C10 I 1.5 ISO	2	10.0	
	1.75	M12	$\varnothing \geq 13$	C10 I 1.75ISO	1	9.6	H1, 2, 12
	2.0	M14	$\varnothing \geq 14$	C10 I 2.0 ISO	1	10.0	
C12	0.5		$\varnothing \geq 13$	C12 I 0.5 ISO	6	12.0	H3, 4, 5, 14, 15
	0.75		$\varnothing \geq 13$	C12 I 0.75ISO	4	12.0	
	1.0		$\varnothing \geq 14$	C12 I 1.0 ISO	3	12.0	
	1.5		$\varnothing \geq 15$	C12 I 1.5 ISO	2	12.0	
	2.0	M16	$\varnothing \geq 16$	C12 I 2.0 ISO	1	12.4	
	2.5	M18, M20	$\varnothing \geq 17$	C12 I 2.5 ISO	1	12.0	H3, 4, 5, 14
	3.0		$\varnothing \geq 17$	C12 I 3.0 ISO	1	12.4	
C18	0.5		$\varnothing \geq 19$	C18 I 0.5 ISO	9	17.8	H6, 7, 8, 9, 16
	0.75		$\varnothing \geq 19$	C18 I 0.75ISO	6	17.8	
	1.0		$\varnothing \geq 20$	C18 I 1.0 ISO	5	17.8	
	1.5		$\varnothing \geq 20$	C18 I 1.5 ISO	3	17.8	
	2.0		$\varnothing \geq 21$	C18 I 2.0 ISO	2	17.8	
	2.5	M22	$\varnothing \geq 22$	C18 I 2.5 ISO	2	17.8	
	3.0	M24, M27	$\varnothing \geq 23$	C18 I 3.0 ISO	1	17.8	
	3.5	M30, M33	$\varnothing \geq 24$	C18 I 3.5 ISO	1	17.8	
C25	3.0	M32, M33	$\varnothing \geq 30$	C25 I 3.0 ISO	2	25.0	H10, 11, 17, 18
	4.0	M36, M39	$\varnothing \geq 32$	C25 I 4.0 ISO	1	25.0	
	4.5	M45	$\varnothing \geq 33$	C25 I 4.5 ISO	1	25.0	
	5.0	M48, M52	$\varnothing \geq 34$	C25 I 5.0 ISO	1	25.0	
	5.5	M60	$\varnothing \geq 35$	C25 I 5.5 ISO	1	25.0	
	6.0	M64, M68	$\varnothing \geq 36$	C25 I 6.0 ISO	1	25.0	

* For complete toolholder description see pages 193 and 194

Full Profile - ISO

Inserts for internal thread

Multi Flute

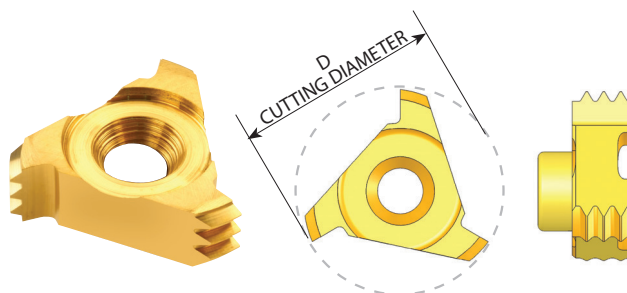


Insert Type	Ordering Code	Pitch mm	M coarse	M fine	Number of Teeth	D	No. of Flutes	Holder Code
S20	S163 H 1.0 ISO	1.0		$\text{Ø} \geq 18$	5	16.3	8	H6, 7, 8, 9, 16
	S175 H 1.5 ISO	1.5		$\text{Ø} \geq 20$	3	17.5	8	
	S186 F 2.0 ISO	2.0		$\text{Ø} \geq 22$	2	18.6	6	
S17	S160 F 2.5 ISO	2.5	M20	$\text{Ø} \geq 20$	1	16.0	6	H3, 4, 5, 14, 15
S20	S178 F 2.5 ISO	2.5	M22	$\text{Ø} \geq 22$	2	17.8	6	H6, 7, 8, 9, 16
	S189 F 3.0 ISO	3.0	M24, M27	$\text{Ø} \geq 24$	1	18.9	6	
	S200 F 3.5 ISO	3.5	M30, M33	$\text{Ø} \geq 26$	1	20.0	6	
	S200 F 4.0 ISO	4.0	M36, M39	$\text{Ø} \geq 27$	1	20.0	6	
	S200 E 4.5 ISO	4.5	M42, M45	$\text{Ø} \geq 28$	1	20.0	5	
	S200 D 5.0 ISO	5.0	M48, M52	$\text{Ø} \geq 29$	1	20.0	4	H16
S35	S350 F 6.0 ISO	6.0	M64, M68	$\text{Ø} \geq 46$	1	35.0	6	H19, 20, 21
	S350 F 8.0 ISO	8.0		$\text{Ø} \geq 50$	1	35.0	6	

* For complete toolholder description see pages 193 and 194

Full Profile - UN

Inserts for internal thread



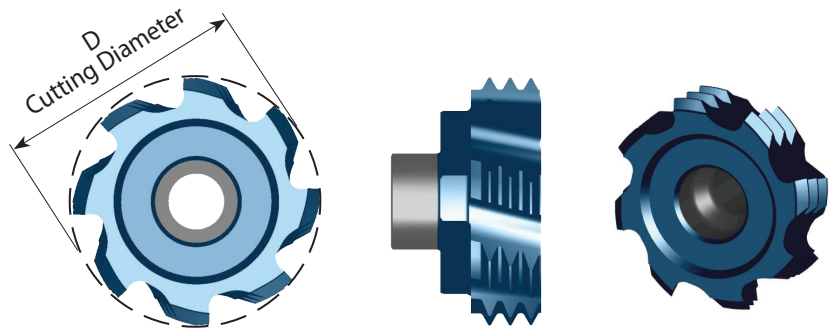
Insert Type	Pitch TPI	Nominal Size	UNC	UNF	UNEF	Ordering Code	Number of Teeth	D	Holder Code
C10	20			1/2		C10 I 20 UN	2	10.0	H1, 2, 12, 13
	18			9/16		C10 I 18 UN	2	10.0	
	13		1/2			C10 I 13 UN	1	10.0	H1, 2, 12
	12	5/8, 11/16, 3/4	9/16			C10 I 12 UN	1	10.0	
C12	32	9/16, 5/8				C12 I 32 UN	3	12.0	H3, 4, 5, 14, 15
	28	9/16, 5/8, 11/16				C12 I 28 UN	3	12.0	
	24				9/16, 5/8, 11/16	C12 I 24 UN	2	12.0	
	20	9/16, 5/8, 11/16			3/4	C12 I 20 UN	2	12.0	
	18			5/8		C12 I 18 UN	2	12.0	
	16	5/8, 11/16		3/4		C12 I 16 UN	1	12.0	
	11		5/8			C12 I 11 UN	1	12.0	H3, 4, 5, 14
	10		3/4			C12 I 10 UN	1	12.0	
C18	32	3/4, 13/16, 7/8				C18 I 32 UN	6	17.8	H6, 7, 8, 9, 16
	28	3/4, 13/16, 7/8				C18 I 28 UN	5	17.8	
	24					C18 I 24 UN	4	17.8	
	20	1 1/16, 1 1/8			13/16, 7/8, 15/16	C18 I 20 UN	3	17.8	
	18					C18 I 18 UN	3	17.8	
	16	7/8, 1				C18 I 16 UN	3	17.8	
	14			7/8		C18 I 14 UN	2	17.8	
	12	7/8		1, 1 1/8		C18 I 12 UN	2	17.8	
	11					C18 I 11 UN	2	17.8	
	9		7/8			C18 I 9 UN	1	17.8	
C25	8	1 3/16, 1 1/4, 1 5/16				C25 I 8 UN	2	25.0	H10, 11, 17, 18
	7		1 1/4			C25 I 7 UN	1	25.0	
	6	1 7/16, 1 9/16	1 3/8, 1 1/2			C25 I 6 UN	1	25.0	
	5		1 3/4			C25 I 5 UN	1	25.0	
	4		2 1/2, 2 3/4			C25 I 4 UN	1	25.0	

* For complete toolholder description see pages 193 and 194

Full Profile - UN

Inserts for internal thread

Multi Flute

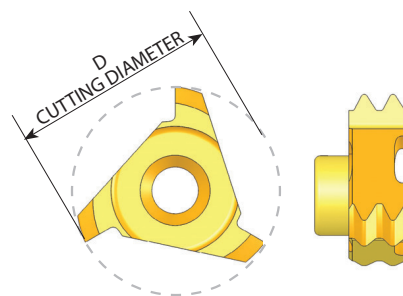


Insert Type	Ordering Code	Pitch TPI	Nominal size	UNC	UNF	UNEF	Number of Teeth	D	No. of Flutes	Holder Code
S20	S160 H 24 UN	24				11/16	4	16.0	8	H6, 7, 8, 9, 16
	S169 H 20 UN	20				3/4, 13/16, 7/8, 15/16, 1	4	16.9	8	
	S164 F 16 UN	16	7/8, 15/16, 1		3/4		3	16.4	6	
	S191 F 14 UN	14			7/8		2	19.1	6	
	S186 F 12 UN	12	7/8, 15/16		1		2	18.6	6	
	S178 F 9 UN	9		7/8			1	17.8	6	
	S200 F 8 UN	8	1 1/8	1			1	20.0	6	
	S200 F 7 UN	7		1 1/8, 1 1/4			1	20.0	6	
	S200 E 6 UN	6	1 7/16	1 3/8, 1 1/2			1	20.0	5	
	S200 D 5 UN	5		1 3/4			1	20.0	4	H16
S35	S350 F 4 UN	4		2 1/2, 2 3/4, 3			1	35.0	6	H19, 20, 21

* For complete toolholder description see pages 193 and 194

G 55° BSW, BSF, BSP

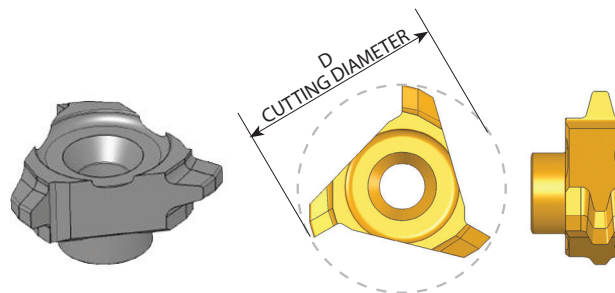
Same Insert for internal and external thread



Insert Type	Pitch TPI	Standard	Ordering Code	Number of Teeth	D	Holder Code
C10	19	G 1/4	C10 19 W	2	10.0	H1, 2, 12, 13
C12	19	G 3/8	C12 19 W	2	12.0	H3, 4, 5, 14, 15
C18	14	G 7/8	C18 14 W	2	17.8	H6, 7, 8, 9, 16
	11	G ≥ 1	C18 11 W	2	17.8	

Trapez - DIN 103

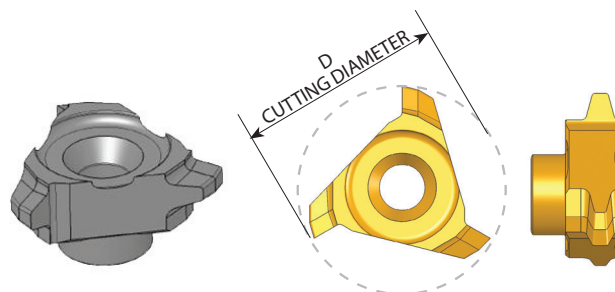
Inserts for internal thread



Insert Type	Pitch mm	Standard	Ordering Code	D	Holder Code
C10	2.0	Ø ≥ 16	C10 I 2 TR	10.0	H1, 2, 12,
C18	3.0	Ø ≥ 24	C18 I 3 TR	17.8	H6, 7, 8, 9, 16
	4.0	Ø ≥ 26	C18 I 4 TR	17.8	H16
	5.0	Ø ≥ 28	C18 I 5 TR	17.8	
C25	6.0	Ø ≥ 36	C25 I 6 TR	25.0	H10, 11, 17, 18

Acme

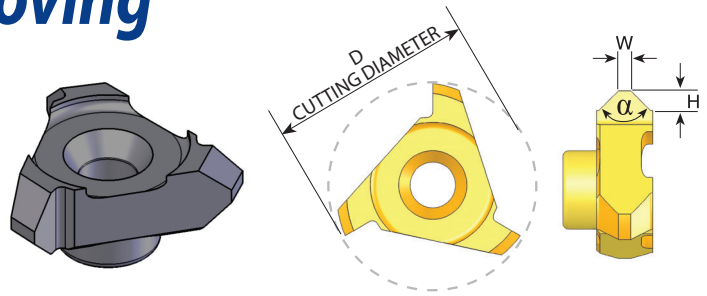
Inserts for internal thread



Insert Type	Pitch TPI	Standard	Ordering Code	D	Holder Code
C18	5	1 1/8, 1 1/4	C18 I 5 ACME	18.0	H16
C25	4	1 1/2, 1 3/4, 2	C25 I 4 ACME	25.0	H10, 11, 17, 18

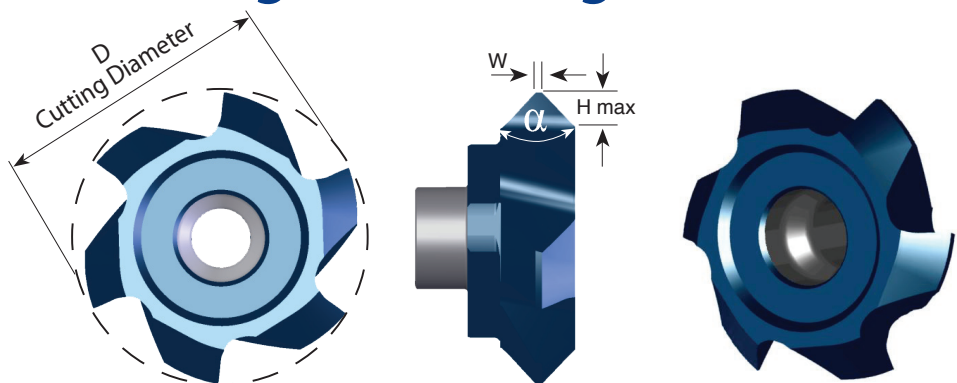
* For complete toolholder description see pages 193 and 194

Chamfering and Grooving



Insert Type	Ordering Code	D	H	W	α	Holder Code*
C10	C10 C90	10.0	1.30	0.4	90°	H1, 2, 12
C12	C12 C90	12.0	1.35	0.3	90°	H3, 4, 5, 14
C18	C18 C90	17.8	1.95	1.1	90°	H6, 7, 8, 9, 16
C25	C25 C90	25.0	2.50	1.0	90°	H10, 11, 17, 18

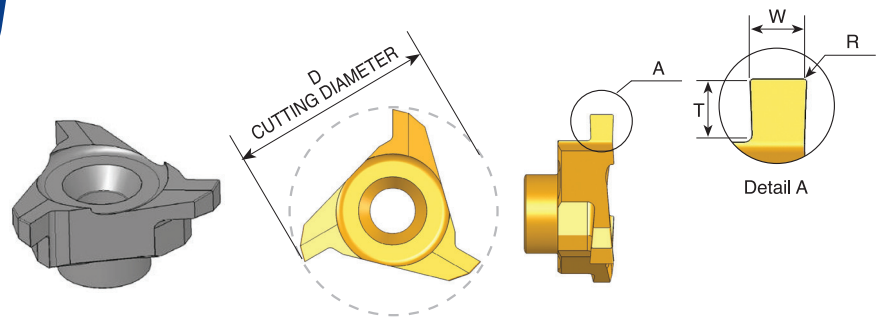
Chamfering, Grooving and Boring Multi Flute



Insert Type	Ordering Code	D	H max	W	α	No. of Flutes	Holder Code
S17	SC160 E H14	16.0	1.35	0.2	90°	5	H3, 4, 5, 14, 15
S20	SC170 E H14	17.0	1.35	0.2	90°	5	H6, 7, 8, 9, 16
	SC200 F H14	20.0	1.35	0.2	90°	6	H6, 7, 8, 9, 16
	SC200 F H24	20.0	2.35	0.2	90°	6	
S35	SC350 F H42	35.0	4.20	0.2	90°	6	H19, 20, 21
S20	SC200 F H20	20.0	1.95	1.0	90°	6	H6, 7, 8, 9, 16
	SC200 F H17	20.0	1.70	1.5	90°	6	
	SC200 F H15	20.0	1.50	2.0	90°	6	
	SC200 F H12	20.0	1.20	2.5	90°	6	

* For complete toolholder description see pages 193 and 194

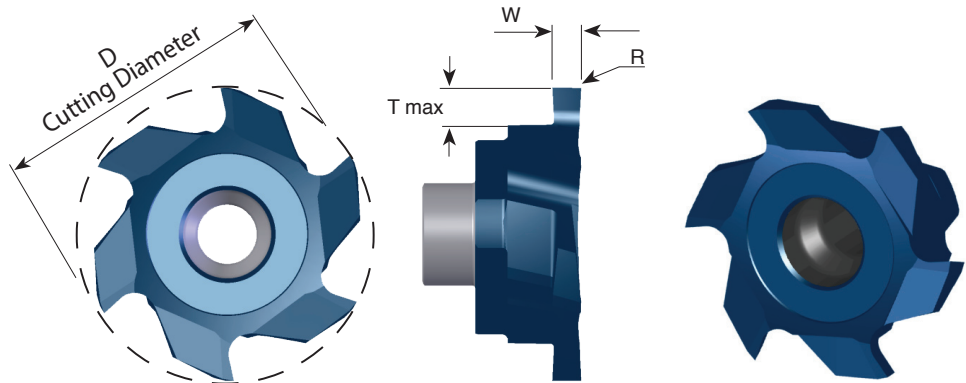
Groove Milling



Insert Type	Ordering Code	D	W ±0.02	T max.	R	Groove Dia. (min.)	Holder Code
C10	C10 W08	10.0	0.80	0.80	0.1	Ø > 10.0	H1, 2, 12, 13
	C10 W09		0.90	0.90			
	C10 W10		1.00	0.90			
C12	C12 W08	12.0	0.80	0.80	0.1	Ø > 12.0	H3, 4, 5, 14, 15
	C12 W10		1.00	0.90			
C18	C18 W10	17.8	1.00	1.50	0.1	Ø > 17.8	H6, 7, 8, 9, 16
	C18 W12		1.20	1.50			
	C18 W15		1.50	1.95			
	C18 W20		2.00	2.80			H16
C25	C25 W20	25.0	2.00	3.00	0.2	Ø > 25	H10, 11, 17, 18
	C25 W25		2.50	3.00			
	C25 W30		3.00	3.00			
	C25 W35		3.50	3.50			
	C25 W40		4.00	3.50			
	C25 W50		5.00	3.50			

* For complete toolholder description see pages 193 and 194

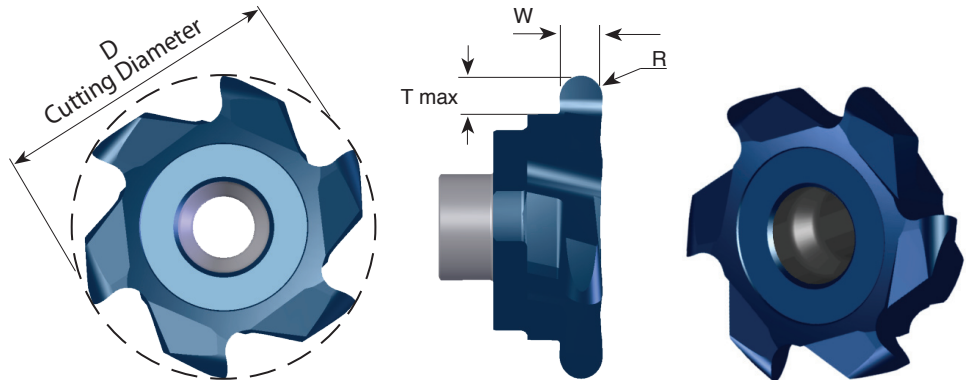
Groove Milling Multi Flute



Insert Type	Ordering Code	D	W ±0.02	T Max.	R	Groove Dia. (min)	No. of Flutes	Holder Code
S17	SG170 F W15	17.0	1.5	2.8	0.2	Ø > 17	6	H3, 4, 5, 14, 15
	SG170 F W20	17.0	2.0					
	SG170 F W25	17.0	2.5					
S20	SG200 F W15	20.0	1.5	2.9	0.2	Ø > 20	6	H6, 7, 8, 9, 16
	SG200 F W20	20.0	2.0					
	SG200 F W25	20.0	2.5					
	SG200 F W30	20.0	3.0					
	SG200 F W40	20.0	4.0					
	SG200 F W49	20.0	4.9					
S20	SG200 E W20T	20.0	2.0	3.7	0.2	Ø > 20	5	H16
	SG200 E W25T	20.0	2.5					
	SG200 E W30T	20.0	3.0					
S35	SG350 F W30T	35.0	3.0	6.3	0.2	Ø > 35	6	H19, 20, 21
	SG350 F W40T	35.0	4.0					
	SG350 F W50T	35.0	5.0					
	SG350 F W60T	35.0	6.0					
	SG350 F W80T	35.0	8.0					

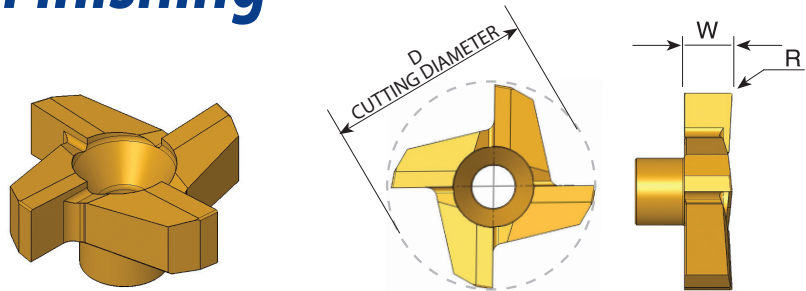
* For complete toolholder description see pages 193 and 194

Full Radius Groove Milling Multi Flute



Insert Type	Ordering Code	D	R	W ±0.02	T Max.	Groove Dia. (min)	No. of Flutes	Holder Code
S20	SG200 F R10	20.0	1.0	2.0	2.9	Ø > 20	6	H6, 7, 8, 9, 16
	SG200 F R12	20.0	1.2	2.4				
	SG200 F R15	20.0	1.5	3.0				
	SG200 F R20	20.0	2.0	4.0				

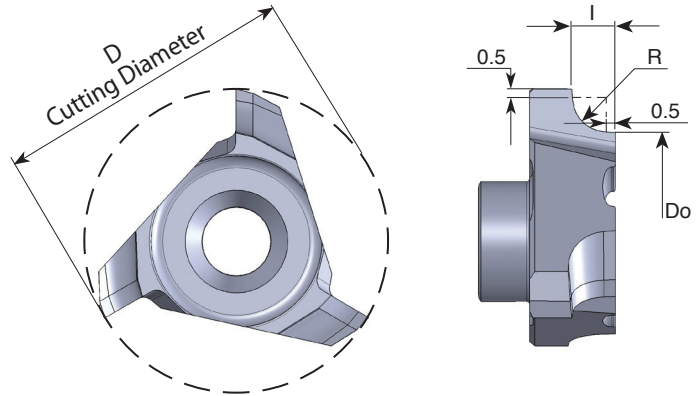
Face Milling and Finishing



Insert Type	Ordering Code	D	W	R	Holder Code
C18	C18 F R0.1	17.8	5.0	0.1	H6, 7, 8, 9, 16
C25	C25 F R0.2	25.0	6.0	0.2	H10, 11, 17, 18

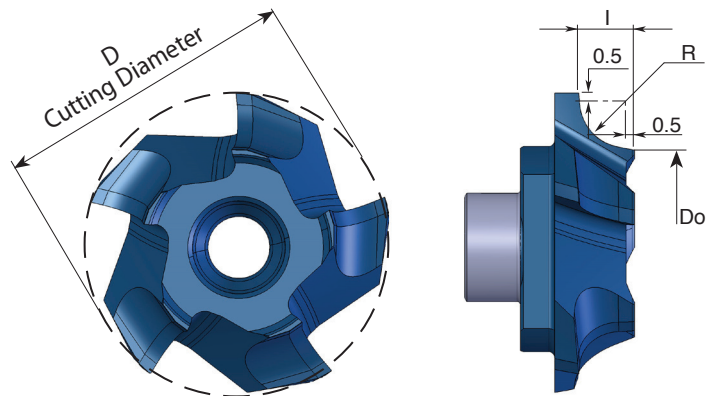
* For complete toolholder description see pages 193 and 194

Corner Rounding



Insert Type	Ordering Code	D	Do	R	I	Holder Code
C10	C10 CR05	10.0	7.9	0.5	1.05	H1, 2, 12, 13
	C10 CR10	10.0	6.9	1.0	1.55	
C18	C18 CR13	17.8	14.2	1.25	1.80	H6, 7, 8, 9, 16
	C18 CR15	17.8	13.7	1.5	2.05	
	C18 CR20	17.8	12.7	2.0	2.55	

Corner Rounding Multi Flute

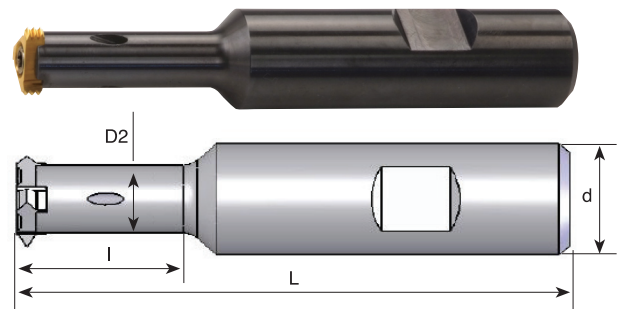


Insert Type	Ordering Code	D	Do	R	I	No. of Flutes	Holder Code
S17	S170 E CR10	17.0	13.9	1.0	1.55	5	H3, 4, 5, 14, 15
	S170 E CR13	17.0	13.4	1.25	1.80	5	
	S170 E CR15	17.0	12.9	1.5	2.05	5	

* For complete toolholder description see pages 193 and 194

Steel Toolholders

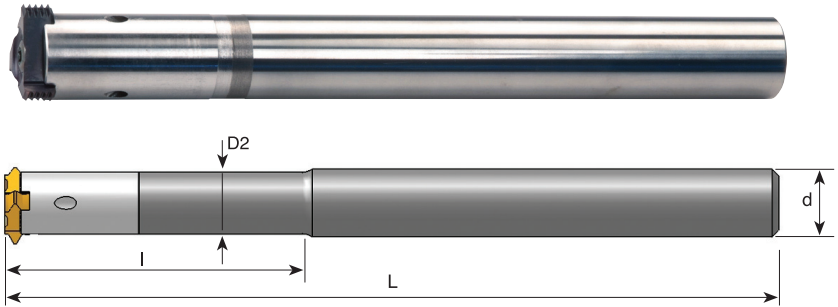
With internal coolant



Tool No.	Ordering Code	Insert Type	d	D2	l	L	Insert Screw	Torx Key
H1	SRC 1210 E	C10	12	7.3	19	70	S5	K5
H2	SRC 1610 G		16		19	90		
H3	SRC 1212 E	C12, S17	12	9.0	25	70	S10	K10
H4	SRC 1612 G		16		25	90		
H5	SRC 1612 H		16		35	100		
H6	SRC 1618 H	C18, S20	16	13.8	48	100	S16	K16
H7	SRC 2018 H		20		32	100		
H8	SRC 2018 J		20		48	110		
H9	SRC 2018 L		20		74	140		
H10	SRC 2525 J	C25	25	17.5	45	115	S27	K27
H11	SRC 2525 M		25		80	150		
H19	SRC 2535 H	S35	25	22	40	100	S33	K33
H20	SRC 2535 K		25		60	130		

Carbide Shank Toolholders

With internal coolant

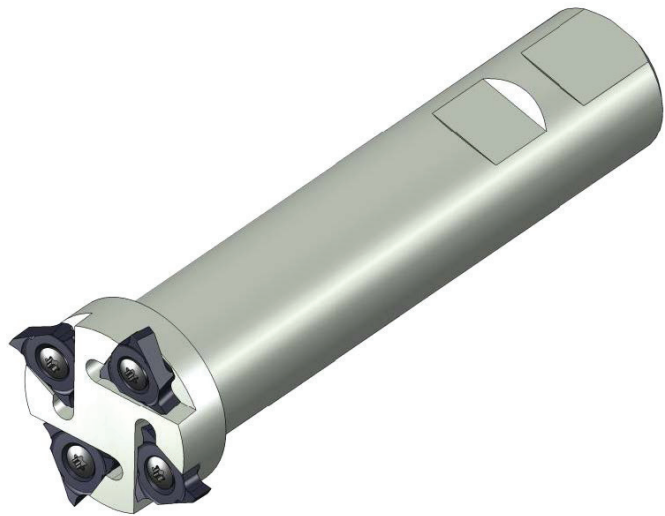
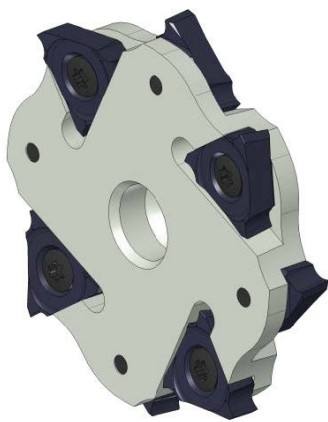


Tool No.	Ordering Code	Insert Type	d	D2	l	L	Insert Screw	Torx Key
H12	CRC 0810 L35 K	C10	8	7.3	35	125	S5	K5
H13	CRC 0810 K		8	8.0	—	125	S5	K5
H14	CRC 1012 L40 M	C12, S17	10	9.0	40	150	S10	K10
H15	CRC 1012 M		10	10.0	—	150	S10	K10
H16	CRC 1218 P	C18, S20	12	12.0	—	170	S16	K16
H17	CRC 1625 R	C25	16	16.0	—	205	S27	K27
H18	CRC 2025 L85 S		20	17.5	85	250	S27	K27
H21	CRC 2035 S	S35	20	22.0	—	260	S33	K33

Toolholders without Weldon

CMT Multi Insert Milling Cutters

Carmex presents a new generation of CMT indexable milling inserts and cutters for Grooving, Chamfering and Threading



Inserts

- Insert profiles are fully ground
- Spiral inserts for smooth cutting operation
- Three cutting edges on each insert
- For a wide range of materials and applications

Carbide grade: MT7

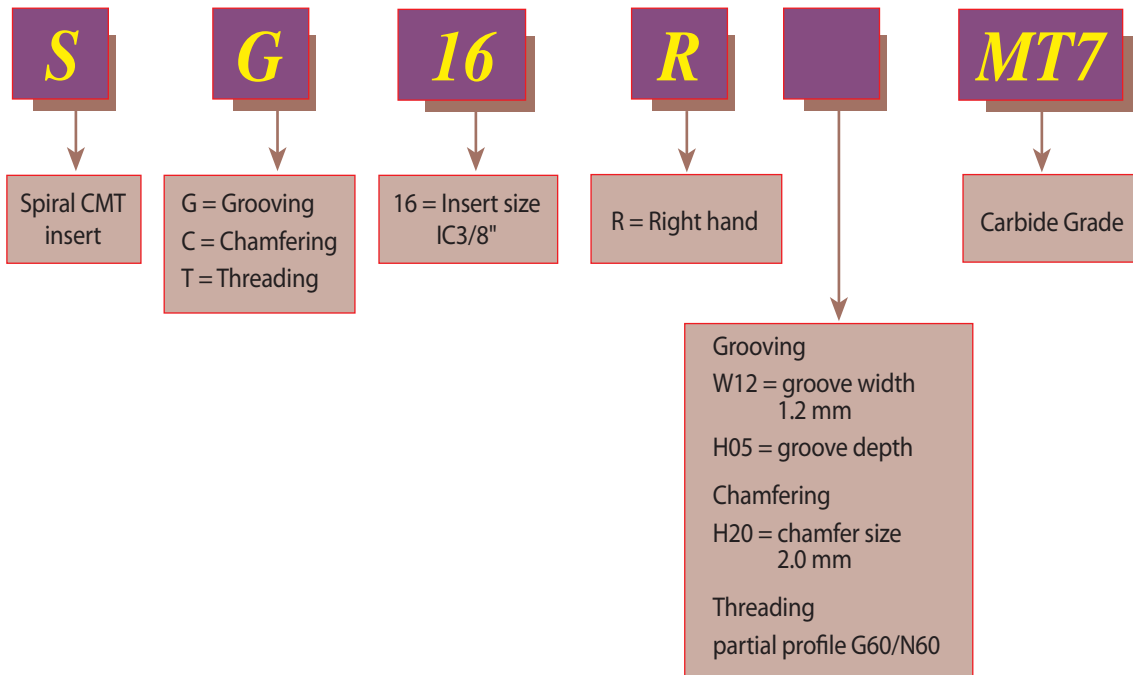


Milling cutters / Disc milling cutter

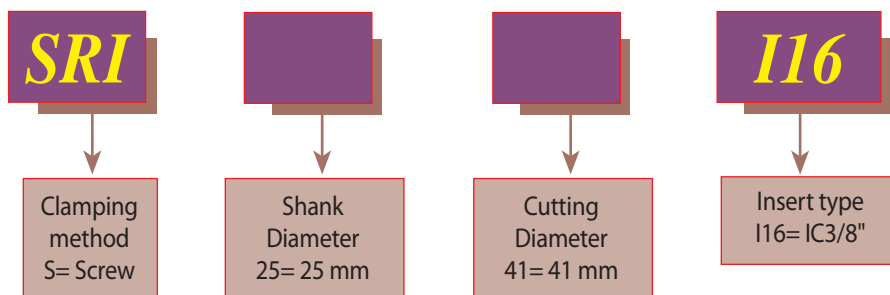
- 4 - 8 inserts per holder, for high productivity
- To use with Carmex standard CMT - S35 toolholders
- The milling cutters are coated with a special layer (silver color) for high Anti-corrosive resistance and extra protection against cutting burrs

Product Identification - Ordering Codes

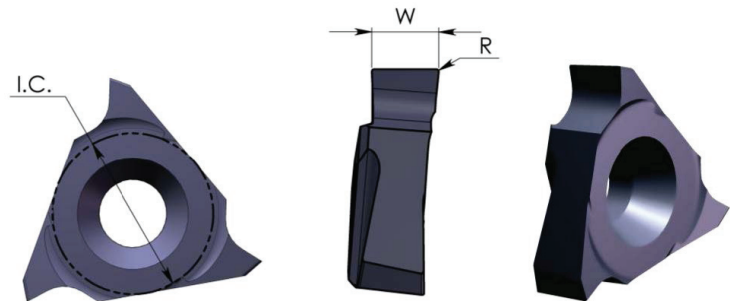
Inserts



Toolholders



Groove Milling



DIN 471 / 472

Insert Type	I.C.	Ordering Code	W	R	Holder Code
SI16	3/8"	SG 16 R W14	1.40	0.10	H22, H23
		SG 16 R W17	1.70	0.10	
		SG 16 R W19	1.95	0.15	
		SG 16 R W22	2.25	0.15	
		SG 16 R W27	2.75	0.20	
		SG 16 R W32	3.25	0.20	
		SG 16 R W42	4.25	0.20	
		SG 16 R W43	4.35	0.20	H22, H23, H24

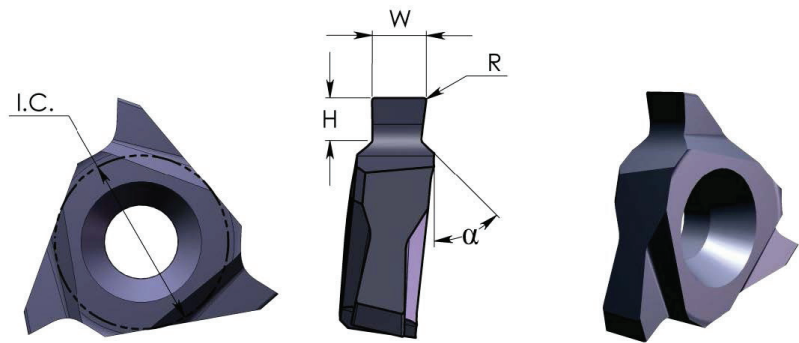
Right hand cutting

Insert Type	I.C.	Ordering Code	W	R	Holder Code
SI16	3/8"	SG 16 L W43	4.35	0.20	H24

Left hand cutting

* Maximum groove depth (T max) according to the toolholder.

Groove Milling with Chamfer

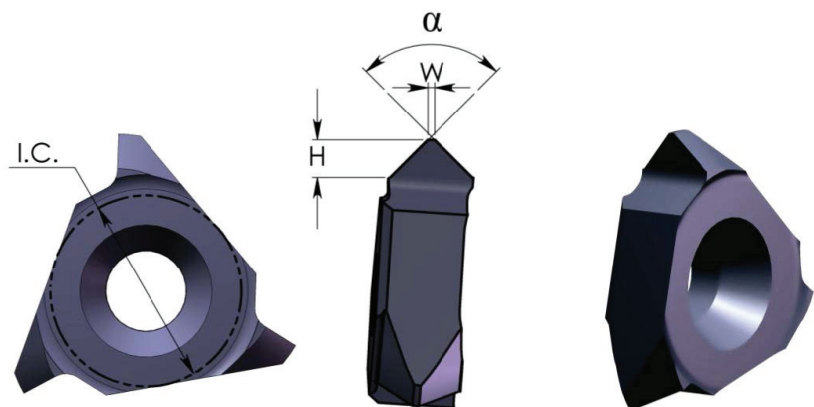


DIN 471 / 472

Insert Type	I.C.	Ordering Code	W	H max	R	α	Holder Code
SI16	3/8"	SG 16 R W12 H05	1.20	0.50	0.10	45°	H22, H23
		SG 16 R W14 H07	1.40	0.70			
		SG 16 R W14 H08	1.40	0.85			
		SG 16 R W17 H08	1.70	0.85			
		SG 16 R W17 H10	1.70	1.00			
		SG 16 R W19 H12	1.95	1.25			
		SG 16 R W22 H15	2.25	1.50	0.15		
		SG 16 R W27 H15	2.75	1.50			
		SG 16 R W27 H17	2.75	1.75			
		SG 16 R W32 H17	3.25	1.75			
		SG 16 R W42 H20	4.25	2.00			
		SG 16 R W42 H25	4.25	2.50			

Right hand cutting

Chamfering

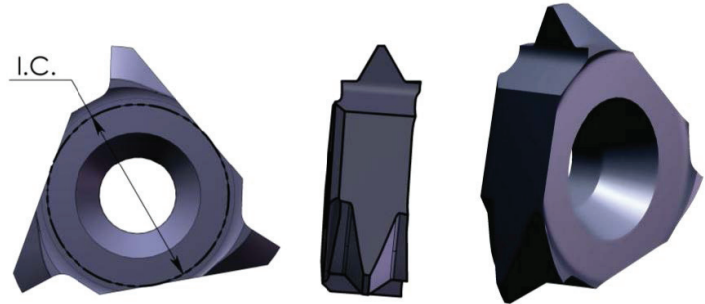


Insert Type	I.C.	Ordering Code	H max	W	α	Holder Code
SI16	3/8"	SC 16 R H20	2.00	0.2	90°	H22, H23
		SC 16 R H19	1.90	0.5		

Maximum groove depth (T max) according to the toolholder.

Partial Profile 60° - ISO, UN

Same Insert for internal and external thread

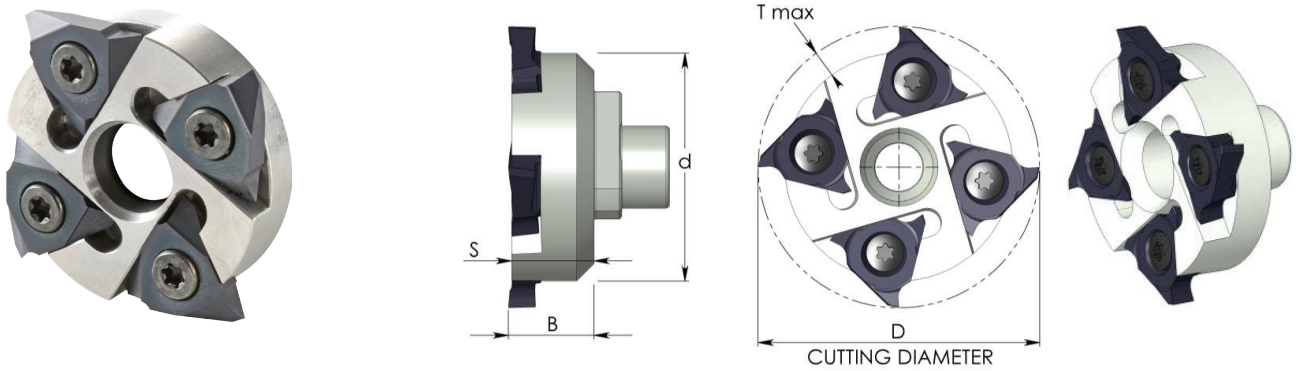


Insert Type	I.C.	Ordering Code	Pitch Range mm	Pitch Range TPI	Holder Code
SI16	3/8"	ST 16 R G60	1.5-3.0	16-8	H22, H23
		ST 16 R N60	3.5-5.0	7-5	

Right hand cutting

Toolholders

Milling Cutter- Arbor

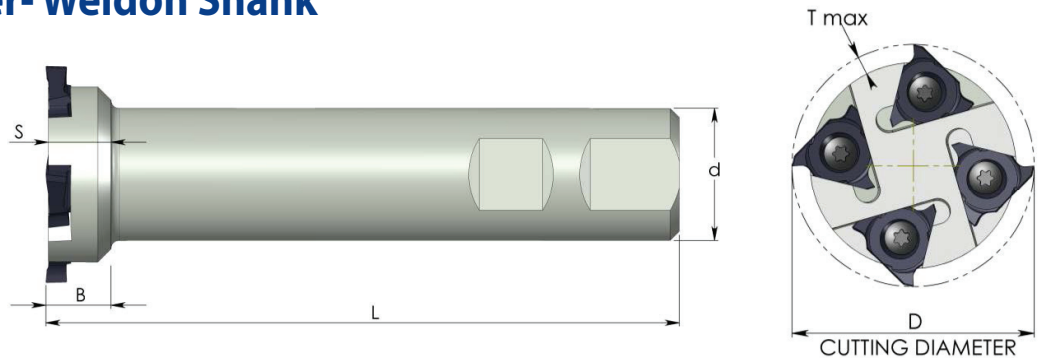


Tool No.	Ordering Code	Insert type	D	d	T max	B	S	Insert Screw	Torx Key
H22	SRI 41- I16	SI16	41	33.2	3.6	12.5	12.0	S16S	K16

Right hand cutting

To connect to the standard CMT toolholders S35: SRC 2535 H, SRC 2535 K, CRC 2035 S

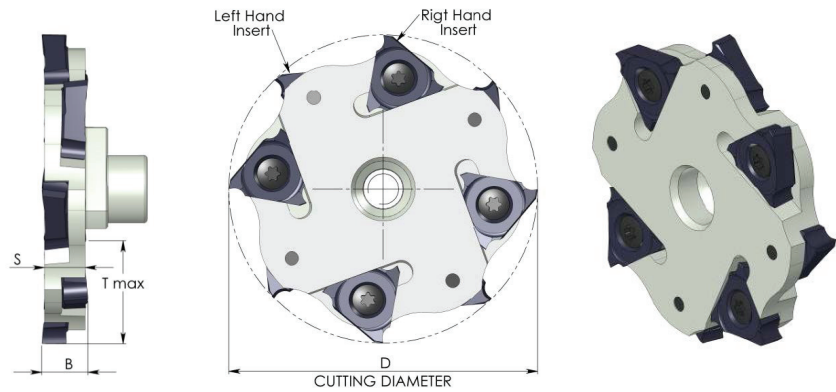
Milling Cutter- Weldon Shank



Tool No.	Ordering Code	Insert type	D	d	T max	B	S	L	Insert Screw	Torx Key
H23	SRI 2541-I16	SI16	41	25	3.6	12.5	12.0	125	S16S	K16

Right hand cutting

Mill Cutter - Disc Milling



Tool No.	Ordering Code	Insert type	D	T max	B	S	Insert Screw	Torx Key
H24	SRI 55-I16	SI16	55	15.5	8.2	7.2	S16M	K16

Right hand cutting

To use only with inserts SG 16 R W43, and SG 16 L W43

To connect to the standard CMT toolholders S35: SRC 2535 H, SRC 2535 K, CRC 2035 S