

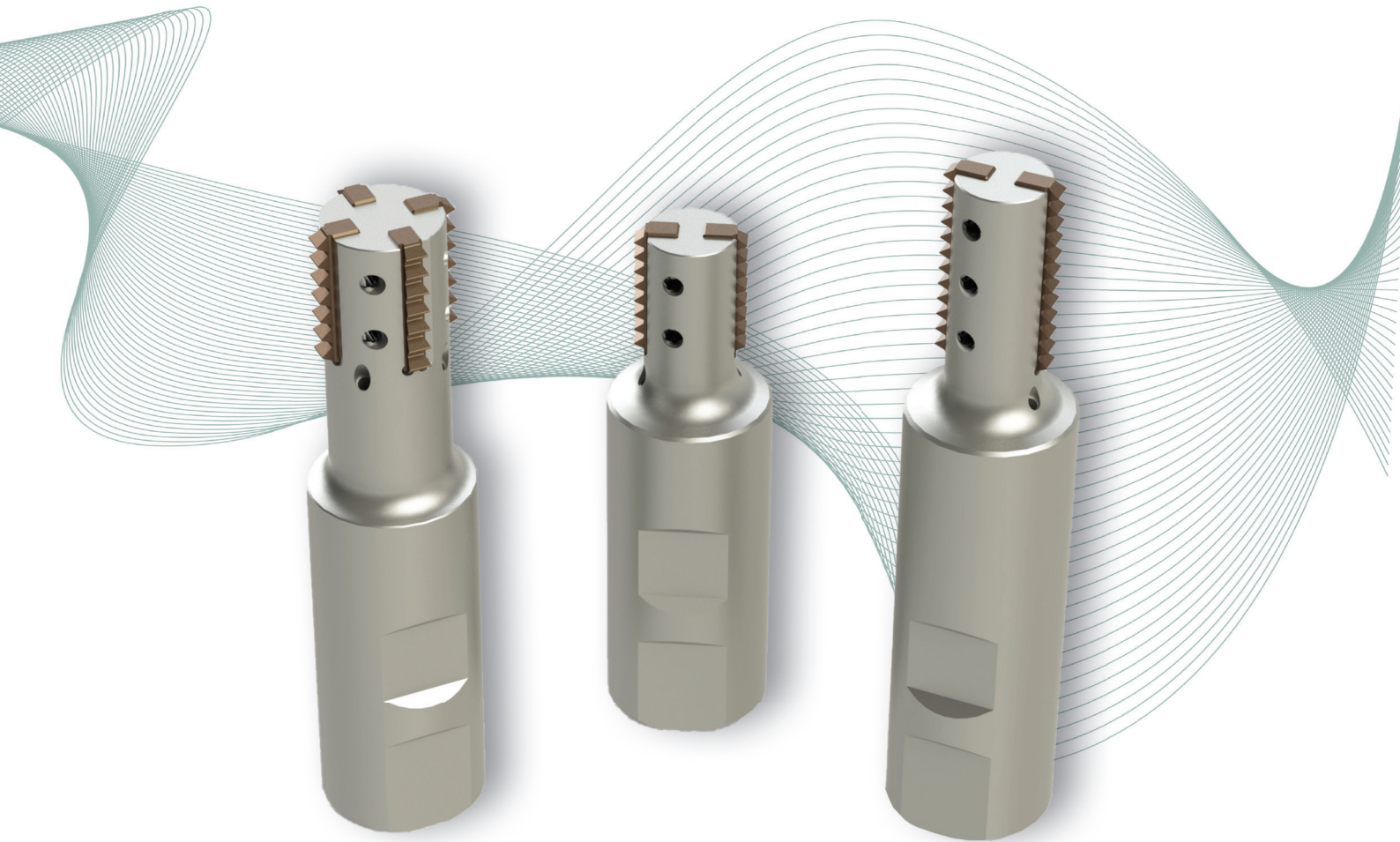
**NEW**

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# Slim MT

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High productivity – Slim cost



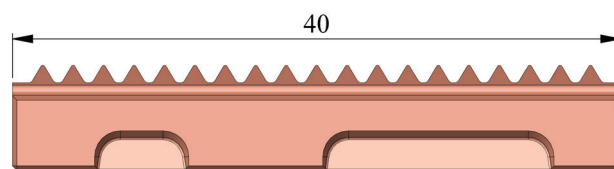
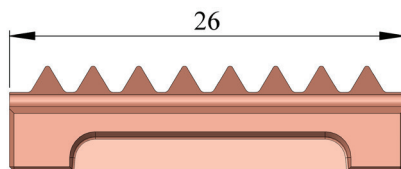
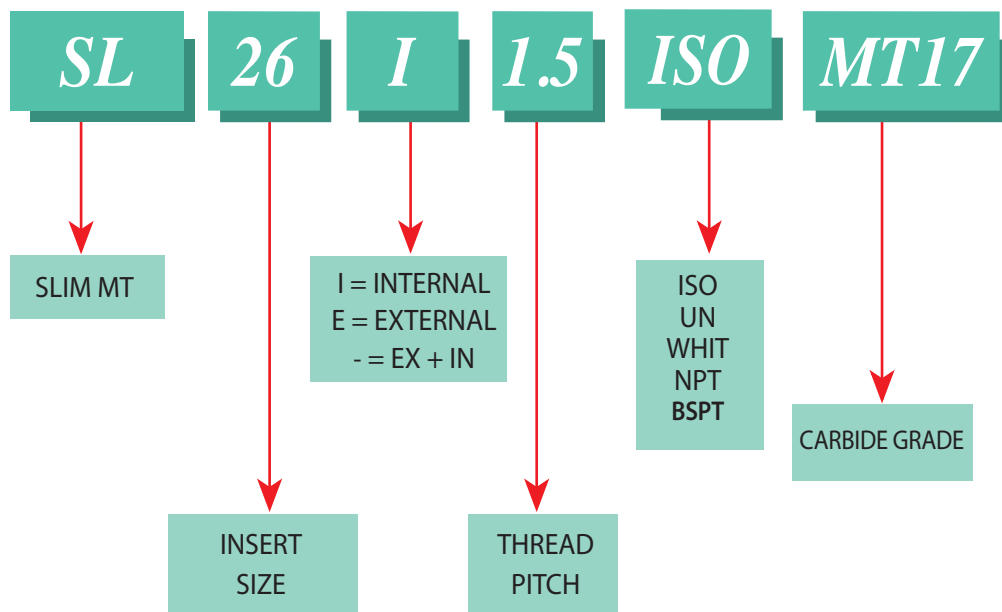
## ***CPT presents Slim MT*** ***High productivity, Slim cost.***

A new product line of indexable Mill-Thread inserts and toolholders including multiple straight flutes for machining long threads from small to large diameters.

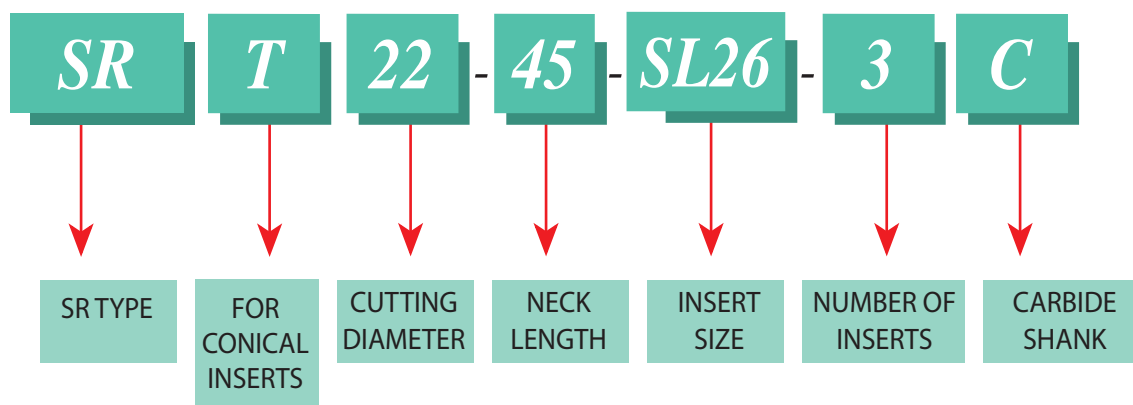
- **Advanced carbide and coating combination for extended tool life and improved productivity.**
- **Most inserts are double-sided.**
- **Nickel coated holders for high wear resistance.**
- **Unique clamping mechanism.**
- **Large variety of holders & inserts in accordance to international standards.**

## Product Identification

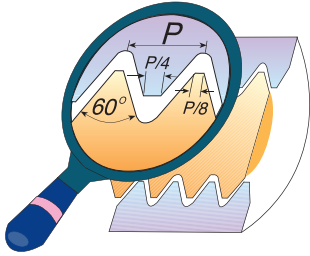
### Inserts



### Toolholders



## ISO



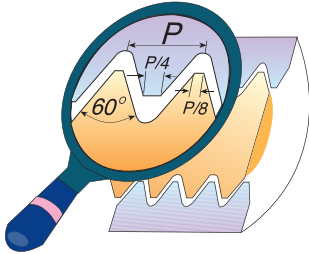
Insert size	Pitch mm	Ex/In	Ordering code	Toolholder
SL 26	0.5	In	<b>SL26 I 0.5 ISO</b>	SR ..... - SL26 - ...
	0.75	In	<b>SL26 I 0.75 ISO</b>	
	1.0	In	<b>SL26 I 1.0 ISO</b>	
	1.0	Ex	<b>SL26 E 1.0 ISO</b>	
	1.5	In	<b>SL26 I 1.5 ISO</b>	
	1.5	Ex	<b>SL26 E 1.5 ISO</b>	
	2.0	In	<b>SL26 I 2.0 ISO</b>	
	2.0	Ex	<b>SL26 E 2.0 ISO</b>	
	2.5	In	<b>SL26 I 2.5 ISO</b>	
	2.5	Ex	<b>SL26 E 2.5 ISO</b>	
	3.0	In	<b>* SL26 I 3.0 ISO</b>	
	3.0	Ex	<b>* SL26 E 3.0 ISO</b>	
SL 40	1.5	In	<b>SL40 I 1.5 ISO</b>	SR ..... - SL40 - ...
	2.0	In	<b>SL40 I 2.0 ISO</b>	
	2.5	In	<b>SL40 I 2.5 ISO</b>	
	3.0	In	<b>SL40 I 3.0 ISO</b>	

\* Cannot be used with toolholder SR17- ... -SL26-2

For tool holders see pages 8-9.

For carbide grade and cutting speed see page 10.

## UN



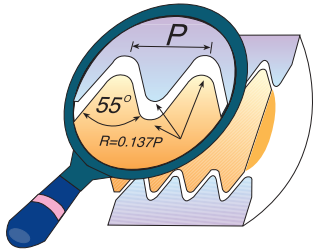
Insert size	Pitch TPI	Ex/In	Ordering code	Toolholder
SL 26	20	In	<b>SL26 I 20 UN</b>	SR ..... - SL26 - ...
	20	Ex	<b>SL26 E 20 UN</b>	
	18	In	<b>SL26 I 18 UN</b>	
	18	Ex	<b>SL26 E 18 UN</b>	
	16	In	<b>SL26 I 16 UN</b>	
	14	In	<b>SL26 I 14 UN</b>	
	12	In	<b>SL26 I 12 UN</b>	
	12	Ex	<b>SL26 E 12 UN</b>	
	10	In	<b>SL26 I 10 UN</b>	
	10	Ex	<b>SL26 E 10 UN</b>	
	9	In	<b>* SL26 I 9 UN</b>	
	8	In	<b>* SL26 I 8 UN</b>	
	SL 40	16	In	
14		In	<b>SL40 I 14 UN</b>	
12		In	<b>SL40 I 12 UN</b>	
10		In	<b>SL40 I 10 UN</b>	

\* Cannot be used with toolholder SR17- ... -SL26-2

For tool holders see pages 8-9.

For carbide grade and cutting speed see page 10.

## WHIT BSW, BSF, BSP



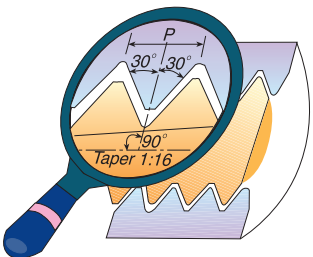
**Same insert for External and Internal thread**

Insert size	Pitch TPI	Ordering code	Toolholder
SL 26	14	SL 26 - 14 W	SR ..... - SL26 - ...
	11	SL 26 - 11 W	
SL 40	14	SL 40 - 14 W	SR ..... - SL40 - ...
	11	SL 40 - 11 W	

For tool holders see pages 8-9.

For carbide grade and cutting speed see page 10.

## NPT



**Conical pipe thread inserts are one-sided and may be used for both External and Internal threading**

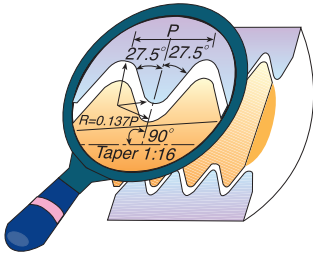
Insert size	Pitch TPI	Ordering code	Toolholder
SL 26	14	SL 26 - 14 NPT	SR ..... - SL26 - ...
	11.5	* SL 26 - 11.5 NPT	

\* Cannot be used with toolholder SRT17-27-SL26-2

For tool holders see pages 8-9.

For carbide grade and cutting speed see page 10.

## BSPT



**Conical pipe thread inserts are one-sided and may be used for both External and Internal threading**

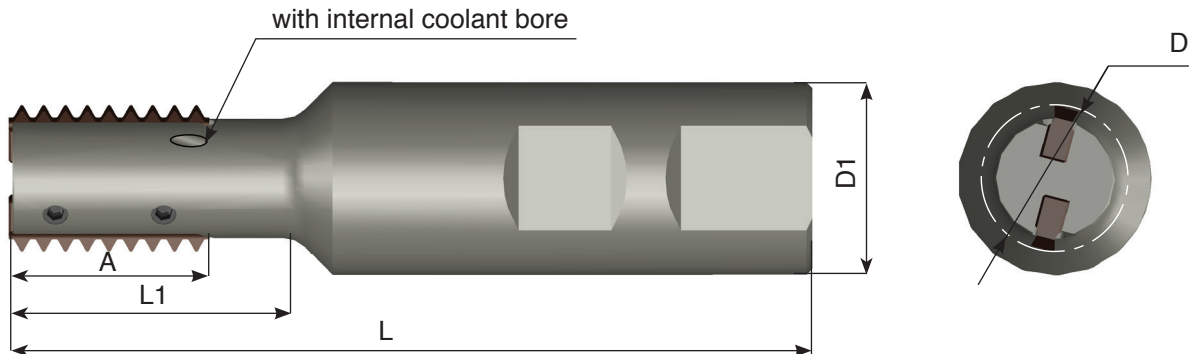
Insert size	Pitch TPI	Ordering code	Toolholder
SL 26	14	SL 26 - 14 BSPT	SR ..... - SL26 - ...
	11	* SL 26 - 11 BSPT	

\* Cannot be used with toolholder SRT17-27-SL26-2

For tool holders see pages 8-9.

For carbide grade and cutting speed see page 10.

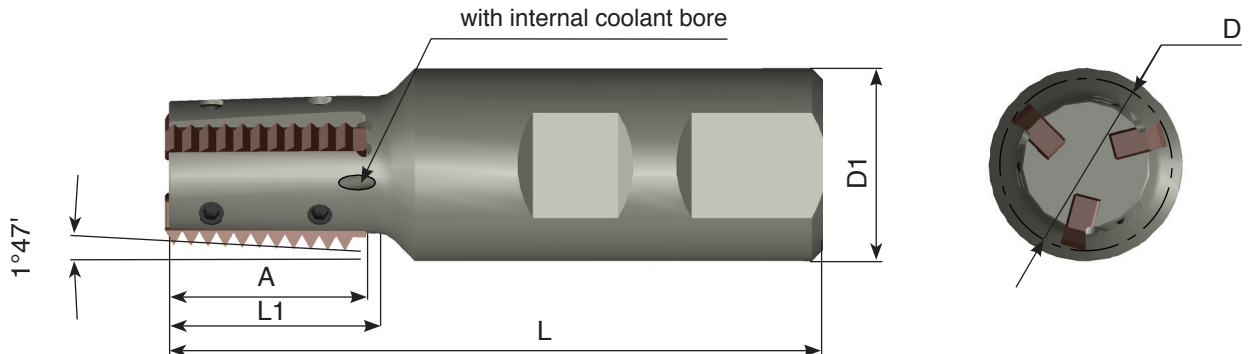
# Toolholders



Ordering Code	Insert size=A	D	D1	L	L1	No. of Inserts	Screw	Key
<b>SR17-27-SL26-2</b>	SL 26	17.0	25.0	85	27	2	S4P	K08P
<b>SR17-36-SL26-2</b>		17.0	25.0	90	36	2	S4P	K08P
<b>SR19-27-SL26-2</b>		19.0	25.0	85	27	2	S4P	K08P
<b>SR19-40-SL26-2</b>		19.0	25.0	95	40	2	S4P	K08P
<b>SR20-27-SL26-3</b>		20.5	25.0	85	27	3	S4P	K08P
<b>SR20-40-SL26-3</b>		20.5	25.0	95	40	3	S4P	K08P
<b>SR22-28-SL26-3</b>		22.0	25.0	85	28	3	S4P	K08P
<b>SR22-42-SL26-3</b>		22.0	25.0	100	42	3	S4P	K08P
<b>SR22-42-SL40-3</b>	SL 40	22.0	25.0	100	42	3	S4P	K08P
<b>SR30-42-SL40-4</b>		30.0	32.0	115	42	4	S4P	K08P

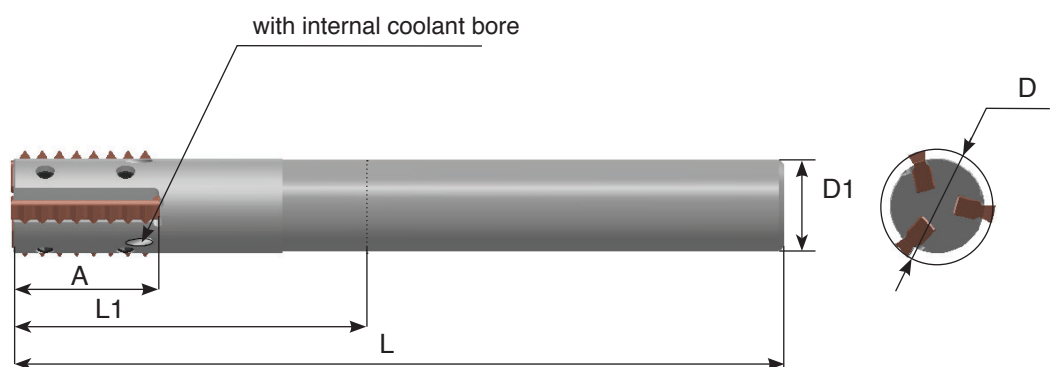


## Toolholders for Conical Threads



Ordering Code	Insert size=A	D	D1	L	L1	No. of Inserts	Screw	Key
SR T 17-27-SL26-2	SL 26	17.0	25.0	85	27	2	S4P	K08P
SR T 22-27-SL26-3		22.0	25.0	85	27	3	S4P	K08P
SR T 27-27-SL26-4		27.0	25.0	85	27	4	S4P	K08P

## Carbide Shank Toolholders



Ordering Code	Insert size=A	D	D1	L	L1	No. of Inserts	Screw	Key
SR 19-70-SL26-2 C	SL 26	19.0	16.0	135	70	2	S4P	K08P
SR 20-70-SL26-3 C		20.5	16.0	135	70	3	S4P	K08P

## Cutting Data

**MT17** Advanced NEW submicron carbide grade with multi-layer PVD coating, provides high performance in all machining conditions. The new grade ensures high abrasive wear resistance, machining wide range of materials including steels, tough and difficult materials and high alloyed steels.

ISO	MATERIAL	CONDITIONS	CUTTING CONDITIONS	
			CUTTING SPEED (m/min)	FEED RATE (mm/tooth)
<b>P</b>	Non-Alloy Steel and Cast Steel, Free Cutting Steel	Annealed < 0.25% C	110-220	(0.055 * D) / 22
		Annealed ≥ 0.25% C	100-210	
	Quenched & Tempered < 0.55% C	90-150		
<b>P</b>	Low Alloy Steel and Cast Steel (less than 5% alloying elements)	Annealed	60-110	(0.055 * D) / 22
		Quenched & Tempered	60-90	
	High Alloy Steel, Cast Steel, and Tool Steel	Annealed	55-90	
Quenched & Tempered		45-80		
<b>M</b>	Stainless Steel and Cast Steel	Ferritic	90-200	(0.055 * D) / 22
		Martensitic	80-160	
<b>M</b>	Stainless Steel and Cast Steel	Austenitic	60-110	(0.045 * D) / 22
		High alloy Austenitic & Duplex	40-70	
<b>K</b>	Cast Iron Nodular (GGG)	Ferritic	90-125	(0.055 * D) / 22
		Pearlitic	90-110	
	Grey Cast Iron (GG)	Ferritic	110-145	
		Pearlitic	80-125	
	Malleable Cast Iron	Ferritic	110-125	
		Pearlitic	80-120	
<b>N</b>	Aluminum-Wrought Alloy	Not Cureable	135-350	(0.05 * D) / 22
		Cured	100-270	
	Aluminum-Cast, Alloyed	Not Cureable ≤ 12% Si	90-270	
		Cured	90-225	
		High Temperature > 12% Si	90-180	
	Copper Alloys	Free Cutting > 1% Pb	70-225	
Brass		70-180		
Non Metallic	Electrolytic Copper	70-270		
	Duroplastics, Fiber Plastics	70-270		
<b>S</b>	High Temperature/Super Alloys (Fe based)	Annealed	30-50	(0.038 * D) / 22
		Cured	30-50	
	High Temperature/Super Alloys (Ni or Co based)	Annealed	25-45	
Cured				
<b>S</b>	Titanium Alloys	Cast	30-40	
		Alpha + Beta Alloys Cured		

D= Tool holder cutting diameter.





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