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## ***Slim MT***

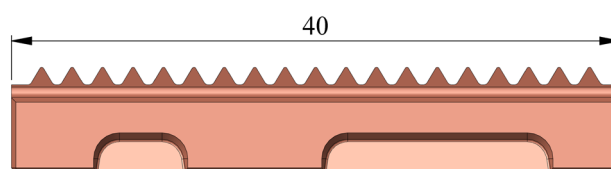
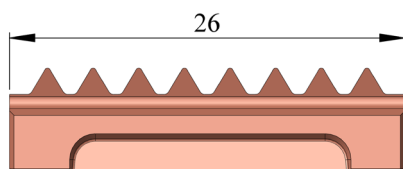
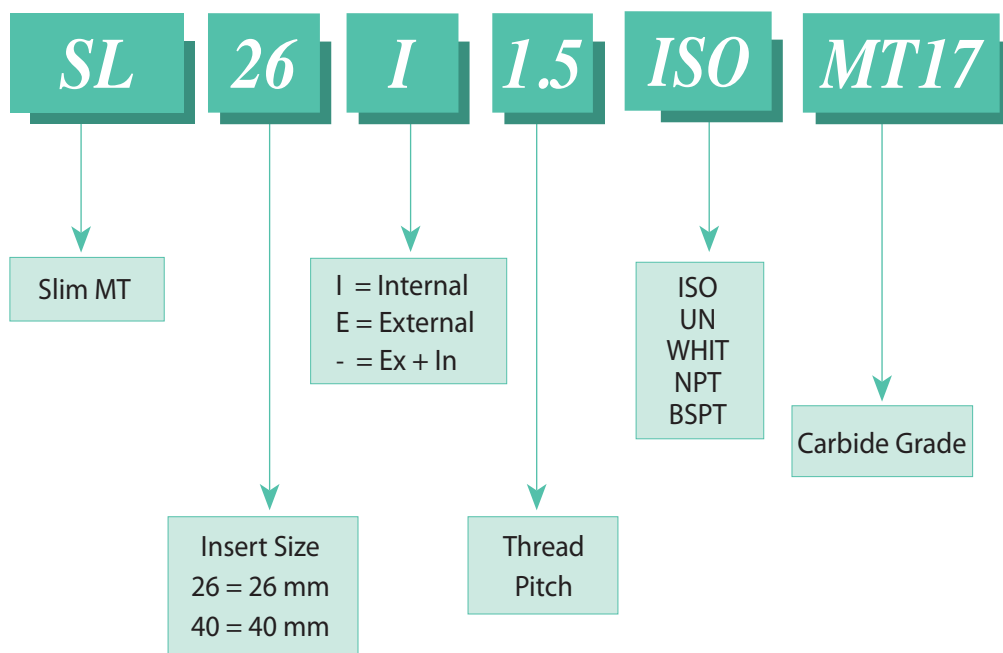
### ***High productivity, Slim cost***

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

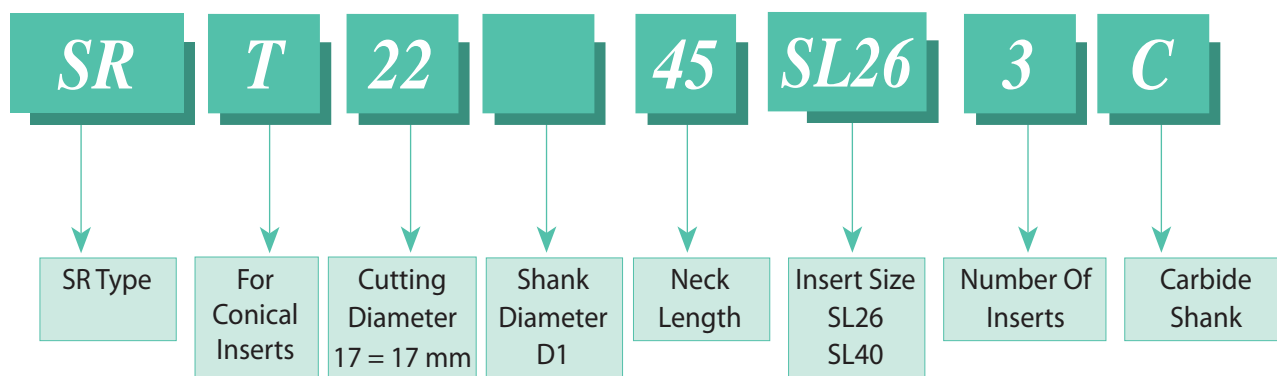
- **Advanced carbide and coating combination for extended tool life and improved productivity**
- **Most inserts are double sided**
- **Nickel coated holders for high wear resistance**
- **Unique clamping mechanism**
- **Large variety of holders & inserts in accordance to international standards**

## Product Identification

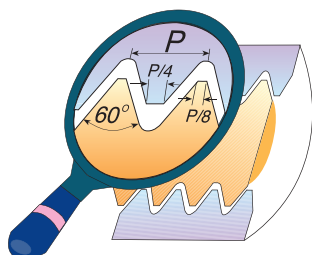
### Inserts



### Toolholders



## ISO

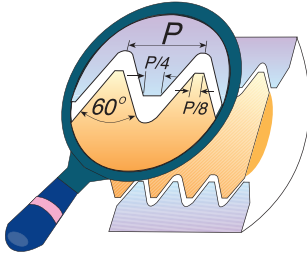


| Insert size | Pitch<br>mm | Ex/In | Ordering code           | Toolholder            |
|-------------|-------------|-------|-------------------------|-----------------------|
| SL 26       | 0.5         | In    | <b>SL26 I 0.5 ISO</b>   | SR ..... - SL26 - ... |
|             | 0.75        | In    | <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 Toolholders see pages B03-8 and 9

## UN

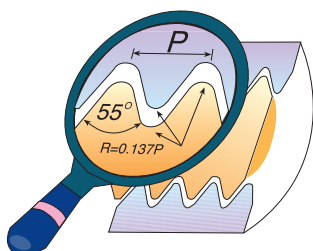


| Insert size | Pitch<br>TPI | Ex/In | Ordering code | Toolholder            |
|-------------|--------------|-------|---------------|-----------------------|
| SL 26       | 20           | In    | SL26 I 20 UN  | SR ..... - SL26 - ... |
|             | 20           | Ex    | SL26 E 20 UN  |         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

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

For Toolholders see pages B03-8 and 9

## WHIT BSW, BSF, BSP

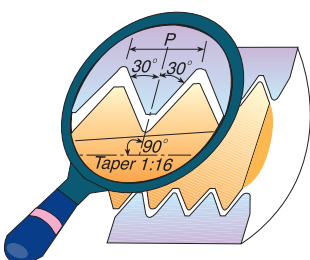


*Same insert for External and Internal thread*

| Insert size | Pitch<br>TPI | Ordering code       | Toolholder            |
|-------------|--------------|---------------------|-----------------------|
| SL 26       | 14           | <b>SL 26 - 14 W</b> | SR ..... - SL26 - ... |
|             | 11           | <b>SL 26 - 11 W</b> |                       |
| SL 40       | 14           | <b>SL 40 - 14 W</b> | SR ..... - SL40 - ... |
|             | 11           | <b>SL 40 - 11 W</b> |                       |

For Toolholders see pages B03-8 and 9

## NPT



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

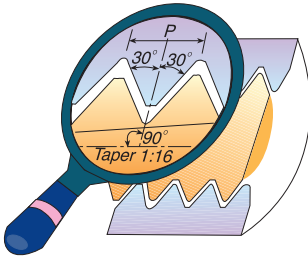
| Insert size | Pitch<br>TPI | Ordering code             | Toolholder            |
|-------------|--------------|---------------------------|-----------------------|
| SL 26       | 14           | <b>SL 26 - 14 NPT</b>     | SR ..... - SL26 - ... |
|             | 11.5         | <b>* SL 26 - 11.5 NPT</b> |                       |

\* Cannot be used with Toolholder SRT17-...-SL26-2

For Toolholders see pages B03-8 and 9

For carbide grade and cutting speed see page B12-6

## NPTF



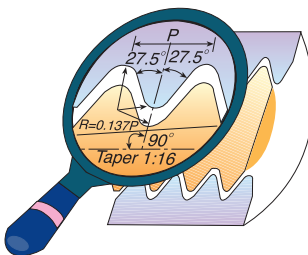
**Conical pipe thread inserts are one-sided and may be used for both External and Internal threading**

| Insert size | Pitch<br>TPI | Ordering code       | Toolholder            |
|-------------|--------------|---------------------|-----------------------|
| SL 26       | 14           | SL 26 - 14 NPTF     | SR ..... - SL26 - ... |
|             | 11.5         | * SL 26 - 11.5 NPTF |                       |

\* Cannot be used with Toolholder SRT17-...-SL26-2

For Toolholders see pages B03-8 and 9

## BSPT



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

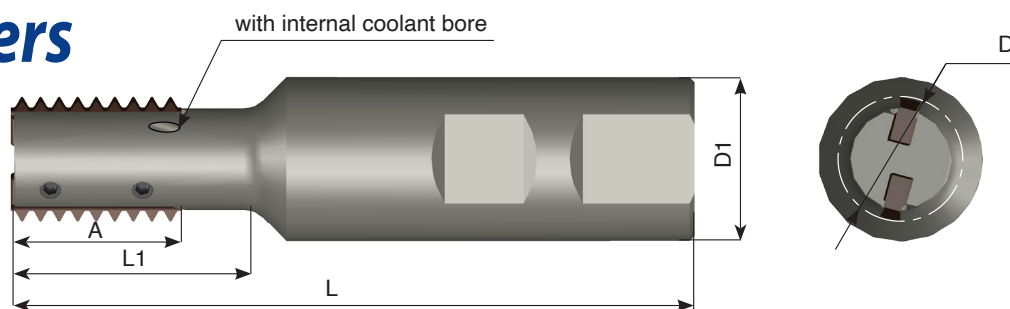
| Insert size | Pitch<br>TPI | Ordering code     | Toolholder            |
|-------------|--------------|-------------------|-----------------------|
| SL 26       | 14           | SL 26 - 14 BSPT   | SR ..... - SL26 - ... |
|             | 11           | * SL 26 - 11 BSPT |                       |

\* Cannot be used with Toolholder SRT17-...-SL26-2

For Toolholders see pages B03-8 and 9

For carbide grade and cutting speed see page B12-6

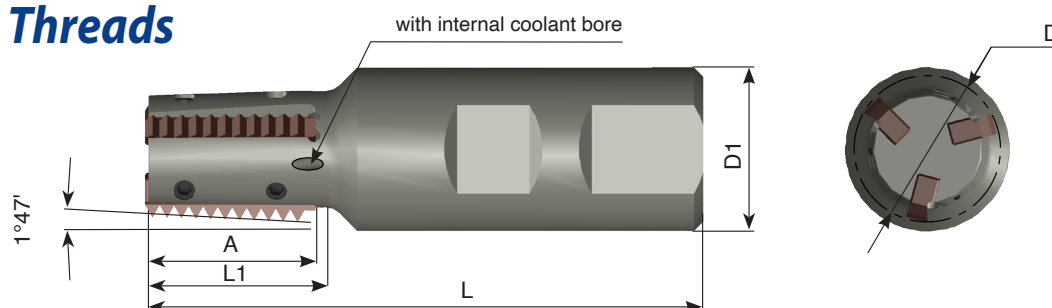
## Toolholders



| Ordering Code       | Insert size=A | D    | D1   | L   | L1 | No. of Inserts | Screw | Key  |
|---------------------|---------------|------|------|-----|----|----------------|-------|------|
| * SR17-20-27-SL26-2 | SL 26         | 17.0 | 20.0 | 95  | 27 | 2              | S4P   | K08P |
| * SR17-20-36-SL26-2 |               | 17.0 | 20.0 | 105 | 36 | 2              | S4P   | K08P |
| SR17-27-SL26-2      |               | 17.0 | 25.0 | 95  | 27 | 2              | S4P   | K08P |
| SR17-36-SL26-2      |               | 17.0 | 25.0 | 105 | 36 | 2              | S4P   | K08P |
| SR19-27-SL26-2      |               | 19.0 | 25.0 | 95  | 27 | 2              | S4P   | K08P |
| SR19-40-SL26-2      |               | 19.0 | 25.0 | 110 | 40 | 2              | S4P   | K08P |
| SR20-27-SL26-3      |               | 20.5 | 25.0 | 95  | 27 | 3              | S4P   | K08P |
| SR20-40-SL26-3      |               | 20.5 | 25.0 | 110 | 40 | 3              | S4P   | K08P |
| SR22-28-SL26-3      |               | 22.0 | 25.0 | 95  | 28 | 3              | S4P   | K08P |
| SR22-42-SL26-3      |               | 22.0 | 25.0 | 110 | 42 | 3              | S4P   | K08P |
| SR22-55-SL26-2      |               | 22.0 | 25.0 | 125 | 55 | 2              | S4P   | K08P |
| SR30-80-SL26-3      |               | 30.0 | 25.0 | 150 | 80 | 3              | S4P   | K08P |
| SR22-42-SL40-3      | SL 40         | 22.0 | 25.0 | 110 | 42 | 3              | S4P   | K08P |
| SR22-65-SL40-2      |               | 22.0 | 25.0 | 135 | 65 | 2              | S4P   | K08P |
| SR30-42-SL40-4      |               | 30.0 | 32.0 | 125 | 42 | 4              | S4P   | K08P |
| SR30-80-SL40-3      |               | 30.0 | 32.0 | 160 | 80 | 3              | S4P   | K08P |

\* Straight shank Toolholder

## Toolholders for Conical Threads

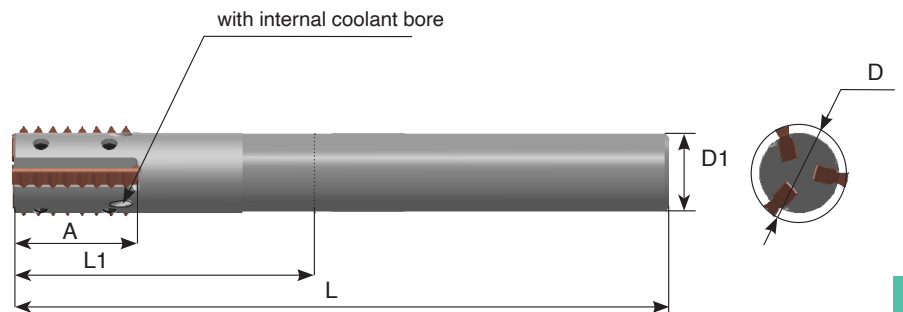


| Ordering Code          | Insert size=A | D    | D1   | L  | L1 | No. of Inserts | Screw | Key  |
|------------------------|---------------|------|------|----|----|----------------|-------|------|
| * SR T 17-20-27-SL26-2 | SL 26         | 17.0 | 20.0 | 95 | 27 | 2              | S4P   | K08P |
| SR T 17-27-SL26-2      |               | 17.0 | 25.0 | 95 | 27 | 2              | S4P   | K08P |
| SR T 22-27-SL26-3      |               | 22.0 | 25.0 | 95 | 27 | 3              | S4P   | K08P |
| SR T 27-27-SL26-4      |               | 27.0 | 25.0 | 95 | 27 | 4              | S4P   | K08P |

\* Straight shank Toolholder

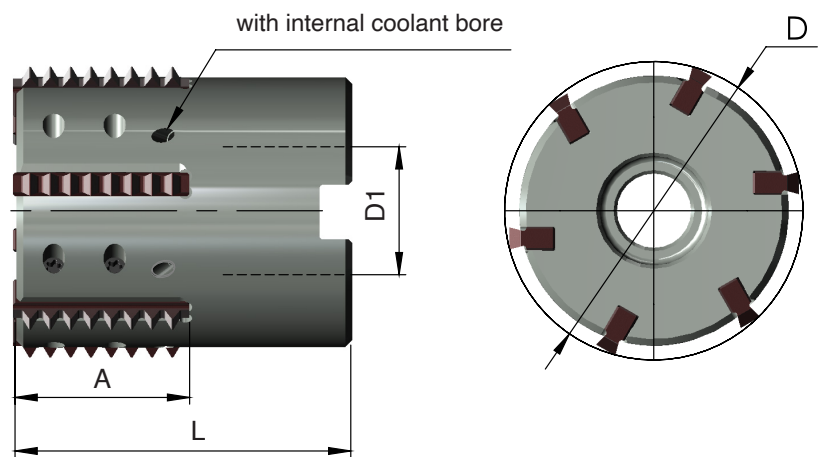


## Carbide Shank Toolholders

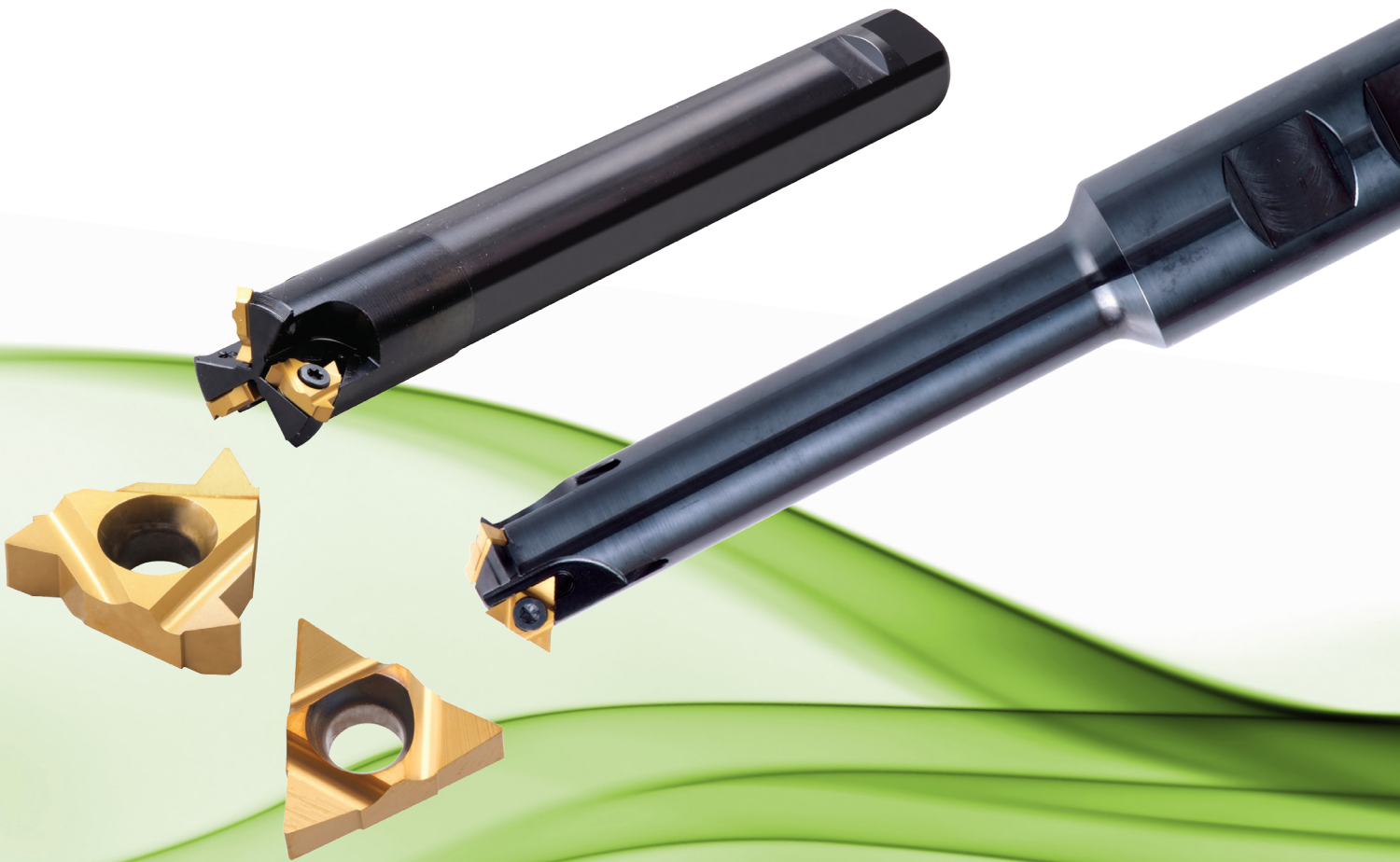


| Ordering Code            | Insert size=A | D    | D1   | L   | L1 | No. of Inserts | Screw | Key  |
|--------------------------|---------------|------|------|-----|----|----------------|-------|------|
| <b>SR 19-70-SL26-2 C</b> | SL 26         | 19.0 | 16.0 | 135 | 70 | 2              | S4P   | K08P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

## Multi-Insert Toolholders



| Ordering Code          | Insert size=A | D    | D1 | L  | No. of Inserts | Screw | Key  |
|------------------------|---------------|------|----|----|----------------|-------|------|
| <b>SR 36-16-SL26-5</b> | SL 26         | 36.0 | 16 | 50 | 5              | S4P   | K08P |
| <b>SR 44-22-SL26-6</b> |               | 44.0 | 22 | 50 | 6              | S4P   | K08P |
| <b>SR 44-22-SL40-6</b> | SL 40         | 44.0 | 22 | 65 | 6              | S4P   | K08P |



Demonstration

## Mill-Thread Inserts and Toolholders for machining deep threads

- Improved productivity due to multi-insert toolholders.
- Partial Profile, standard or U-Type inserts for a wide range of threads.
- Inserts with three cutting edges, reduces tooling costs.
- Low cutting resistance due to the single point inserts.
- Holder allows for a long overhang and includes internal coolant.
- Same insert and toolholder for both external and internal thread.

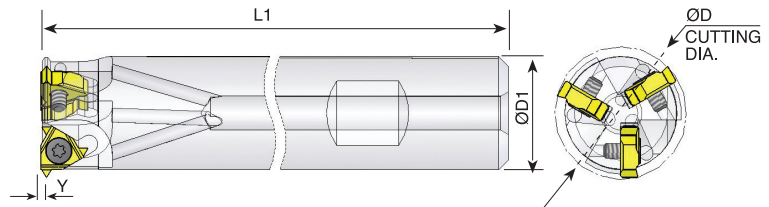
### Contents:

### Page:

Standard Toolholders and Inserts  
U-Type Toolholders and Inserts

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3-4

## D-Thread Mill-Thread Inserts & Toolholders for machining deep threads



| Ordering Code    | Insert Size |      | Y | D    | D1 | L1  | No. of Inserts | Insert Screw | Torx Key |
|------------------|-------------|------|---|------|----|-----|----------------|--------------|----------|
|                  | L           | I.C. |   |      |    |     |                |              |          |
| <b>SR0023Q11</b> | 11          | 1/4  | 1 | 23.5 | 20 | 190 | 3              | SE11         | K11      |

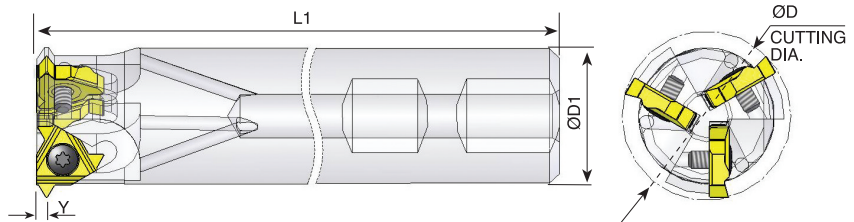
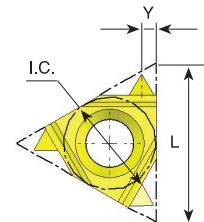
### Partial 60° Size 11

| Ordering Code |             | Pitch      |         |
|---------------|-------------|------------|---------|
|               |             | mm         | TPI     |
| <b>11 60D</b> | <b>INT.</b> | 1.0 - 2.0  | 24 - 12 |
|               | <b>EX.</b>  | 0.75 - 1.5 | 32 - 14 |

Coated Grade: BMA

### Partial 55° Size 11

| Ordering Code |                 | Pitch TPI |
|---------------|-----------------|-----------|
| <b>11 55D</b> | <b>INT./EX.</b> | 24 - 14   |



| Ordering Code    | Insert Size |      | Y   | D  | D1 | L1  | No. of Inserts | Insert Screw | Torx Key |
|------------------|-------------|------|-----|----|----|-----|----------------|--------------|----------|
|                  | L           | I.C. |     |    |    |     |                |              |          |
| <b>SR0031R16</b> | 16          | 3/8  | 1.8 | 31 | 25 | 225 | 3              | SE16         | K16      |

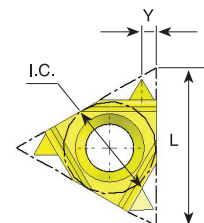
### Partial 60° Size 16

| Ordering Code |             | Pitch     |        |
|---------------|-------------|-----------|--------|
|               |             | mm        | TPI    |
| <b>16 60D</b> | <b>INT.</b> | 2.5 - 3.5 | 10 - 7 |
|               | <b>EX.</b>  | 2.0 - 3.0 | 12 - 8 |

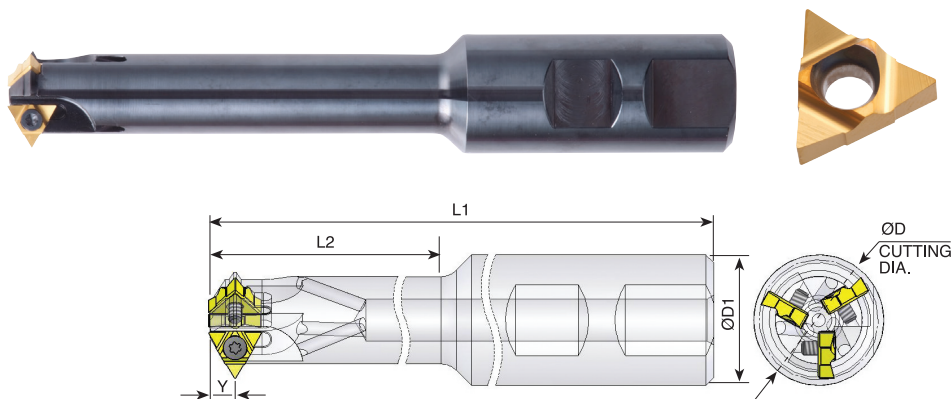
Coated Grade: BMA

### Partial 55° Size 16

| Ordering Code |                 | Pitch TPI |
|---------------|-----------------|-----------|
| <b>16 55D</b> | <b>INT./EX.</b> | 12 - 8    |



## D-Thread Mill-Thread Inserts & Toolholders for machining deep threads



| Ordering Code | Insert Size |      | Y | D    | D1 | L1  | L2 | No. of Inserts | Insert Screw | Torx Key |
|---------------|-------------|------|---|------|----|-----|----|----------------|--------------|----------|
|               | L           | I.C  |   |      |    |     |    |                |              |          |
| *SR0015M11U   | 11U         | 1/4U | 5 | 14.8 | 16 | 150 | 55 | 1              | SE11         | K11      |
| **SR0021M11U  | 11U         | 1/4U | 5 | 20.6 | 25 | 150 | 65 | 2              | SE11         | K11      |
| SR0023M11U    | 11U         | 1/4U | 5 | 23   | 25 | 150 | 88 | 3              | SE11         | K11      |

\* Pitch limitations: for partial 60° - INT. - 10-9 TPI, EX. -12 - 10 TPI; for partial 55° - 12 - 9 TPI

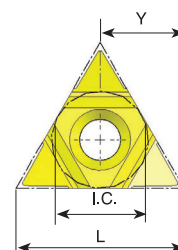
\*\* Pitch limitations: for partial 60° - INT. - 10-8 TPI, EX. -12 - 9 TPI; for partial 55° - 12 - 9 TPI

### Partial 60° Size 11U

| Ordering Code |      | Pitch       |         |
|---------------|------|-------------|---------|
|               |      | mm          | TPI     |
| 11U 60D       | INT. | 2.5 - 4.0   | 10 - 6  |
|               | EX.  | 2.0 - 3.0   | 12 - 8  |
| 11U 60D-18-12 | INT. | 1.5 - 2.0   | 18 - 12 |
|               | EX.  | 1.25 - 1.75 | 20 - 14 |

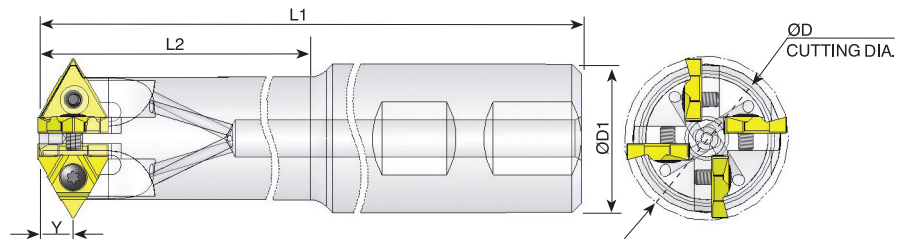
### Partial 55° Size 11U

| Ordering Code |          | Pitch TPI |
|---------------|----------|-----------|
| 11U 55D       | INT./EX. | 12 - 7    |

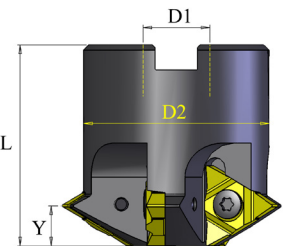
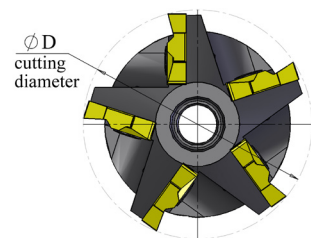
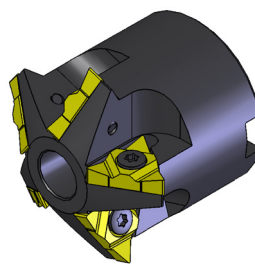


Coated Grade: BMA

## D-Thread Mill-Thread Inserts & Toolholders for machining deep threads



| Ordering Code     | Insert Size |      | Y   | D    | D1 | L1  | L2  | No. of Inserts | Insert Screw | Torx Key |
|-------------------|-------------|------|-----|------|----|-----|-----|----------------|--------------|----------|
|                   | L           | I.C  |     |      |    |     |     |                |              |          |
| <b>SR0035R16U</b> | 16U         | 3/8U | 7.6 | 35.5 | 32 | 220 | 155 | 4              | SE16         | K16      |



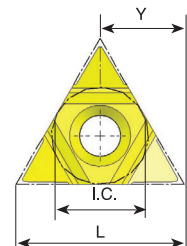
| Ordering Code       | Insert Size |      | Y   | D    | D1 | D2   | L    | No. of Inserts | Insert Screw | Torx Key |
|---------------------|-------------|------|-----|------|----|------|------|----------------|--------------|----------|
|                     | L           | I.C  |     |      |    |      |      |                |              |          |
| <b>SR0043B16U-5</b> | 16U         | 3/8U | 7.6 | 43.4 | 16 | 35.3 | 38.1 | 5              | SE16         | K16      |

### Partial 60° Size 16U

| Ordering Code       |             | Pitch     |         |
|---------------------|-------------|-----------|---------|
|                     |             | mm        | TPI     |
| <b>16U 60D</b>      | <b>INT.</b> | 4.0 - 6.0 | 6 - 4   |
|                     | <b>EX.</b>  | 3.0 - 5.0 | 8 - 5   |
| <b>16U 60D-16-8</b> | <b>INT.</b> | 1.5 - 3.0 | 16 - 8  |
|                     | <b>EX.</b>  | 1.5 - 2.5 | 18 - 10 |

### Partial 55° Size 16U

| Ordering Code  |                 | Pitch TPI |
|----------------|-----------------|-----------|
| <b>16U 55D</b> | <b>INT./EX.</b> | 6 - 4.5   |



Coated Grade: BMA