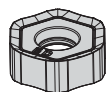
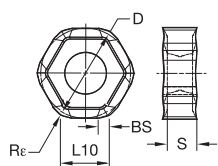


**WIDIA™ Victory™ Indexable Milling Inserts**  
**ADVANCES 2015**  
Metric





### ■ HNPJ-GD

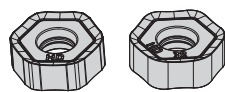


- first choice
- alternate choice

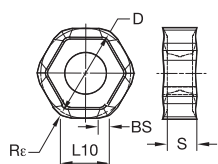
|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P |   |   |   | ● | ● |
| M |   |   |   | ● | ○ |
| K | ● | ● | ○ | ○ | ● |
| N |   |   |   |   |   |
| S |   |   | ● |   |   |
| H |   |   |   |   |   |

**NEW!**

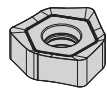
| catalogue number | cutting edges | D     | L10  | S    | BS   | Rε  | hm  | TN6510 | TN6520 | TN6540 | TN7535 | WK15CM |
|------------------|---------------|-------|------|------|------|-----|-----|--------|--------|--------|--------|--------|
| HNPJ0704ANSNGD   | 12            | 12,70 | 6,80 | 4,45 | 1,27 | 1,2 | 0,1 | ●      | ●      | ●      | ●      | ●      |



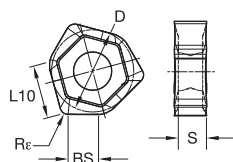
### ■ HNPJ-HD



| catalogue number | cutting edges | D     | L10  | S    | BS   | Rε  | hm   | TN6510 | TN6520 | TN6540 | TN7535 | WK15CM |
|------------------|---------------|-------|------|------|------|-----|------|--------|--------|--------|--------|--------|
| HNPJ0704ANSNHD   | 12            | 12,70 | 6,80 | 4,41 | 1,25 | 1,2 | 0,14 | ●      | ●      | ●      | ●      | ●      |
| HNPJ070432ANSNHD | 12            | 12,70 | 6,80 | 4,42 | —    | 3,2 | 0,14 | ●      | ●      | ●      | ●      | ●      |



### ■ XNGJ-LD3 Wiper



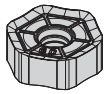
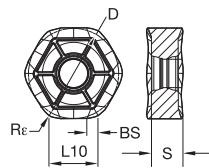
- first choice
- alternate choice

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P |   |   |   | ● | ● |
| M |   |   |   | ○ | ● |
| K | ● | ● | ○ | ○ | ● |
| N |   |   |   |   |   |
| S |   |   |   | ● |   |
| H |   |   |   |   |   |

**NEW!**

| catalogue number | cutting edges | D     | L10  | S    | BS   | Rε  | hm   | TN6510 | TN6520 | TN6525 | TN6540 | WK15CM |
|------------------|---------------|-------|------|------|------|-----|------|--------|--------|--------|--------|--------|
| XNGJ0704ANENLD3W | 3             | 12,70 | 6,78 | 4,47 | 6,78 | 1,3 | 0,08 | ●      | ●      | ●      | ●      | ●      |

NOTE: 3 RH and 3 LH cutting edges

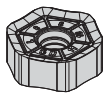
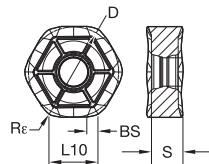

**HNGJ-GD**


- first choice  
○ alternate choice

|   |   |   |   |   |
|---|---|---|---|---|
| P | ● | ● | ● | ● |
| M | ● | ● | ● | ● |
| K | ● | ● | ● | ● |
| N | ● | ● | ● | ● |
| S | ● | ● | ● | ● |
| H | ● | ● | ● | ● |



| catalogue number | cutting edges | D     | L10  | S    | BS   | Re  | hm   | TN6520 | TN6525 | TN6540 | WK15CM |
|------------------|---------------|-------|------|------|------|-----|------|--------|--------|--------|--------|
| HNGJ0905ANSNGD   | 12            | 15,88 | 9,00 | 5,56 | 1,80 | 1,2 | 0,15 | ●      | ●      | ●      | ●      |

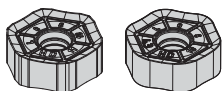
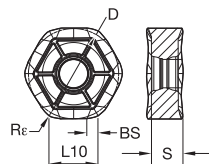

**HNPJ-GD**


- first choice  
○ alternate choice

|   |   |   |   |   |
|---|---|---|---|---|
| P | ● | ● | ● | ● |
| M | ● | ● | ● | ● |
| K | ● | ● | ● | ● |
| N | ● | ● | ● | ● |
| S | ● | ● | ● | ● |
| H | ● | ● | ● | ● |



| catalogue number | cutting edges | D     | L10  | S    | BS   | Re  | hm   | TN6520 | TN6540 | TN7535 | WK15CM |
|------------------|---------------|-------|------|------|------|-----|------|--------|--------|--------|--------|
| HNPJ0905ANSNGD   | 12            | 15,88 | 8,58 | 5,56 | 1,80 | 1,2 | 0,15 | ●      | ●      | ●      | ●      |

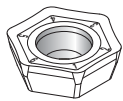

**HNPJ-HD**


- first choice  
○ alternate choice

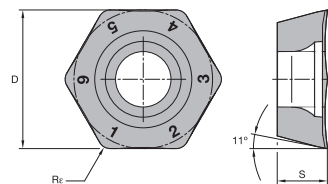
|   |   |   |   |   |
|---|---|---|---|---|
| P | ● | ● | ● | ● |
| M | ● | ● | ● | ● |
| K | ● | ● | ● | ● |
| N | ● | ● | ● | ● |
| S | ● | ● | ● | ● |
| H | ● | ● | ● | ● |



| catalogue number | cutting edges | D     | L10  | S    | BS   | Re  | hm   | TN6520 | TN6525 | TN6540 | WK15CM |
|------------------|---------------|-------|------|------|------|-----|------|--------|--------|--------|--------|
| HNPJ0905ANSNHD   | 12            | 15,88 | 8,59 | 5,46 | 1,66 | 1,2 | 0,20 | ●      | ●      | ●      | ●      |
| HNPJ090543ANSNHD | 12            | 15,88 | 8,50 | 5,44 | —    | 4,3 | 0,20 | ●      | ●      | ●      | ●      |



■ HPGT-GD



- first choice
- alternate choice

|   | P | M | K | N | S | H |
|---|---|---|---|---|---|---|
| ● | ○ |   |   |   |   |   |
| ● |   |   |   |   |   |   |
| ● |   |   | ● |   |   |   |
| ● |   |   | ● |   |   |   |
| ● |   |   | ● |   |   |   |
| ● |   |   |   | ○ | ● | ● |
| ● |   |   |   | ○ | ○ | ○ |
| ● |   |   |   |   |   |   |
| ● |   |   |   |   | ● |   |
| ● |   | ● |   |   |   |   |

**NEW!**

|   |         |
|---|---------|
| ● | TN2510  |
| ● | TN6510  |
| ● | TN6520  |
| ● | TN6525  |
| ● | TN6540  |
| ● | TN7525  |
| ● | TN7535  |
| ● | WIK15CM |

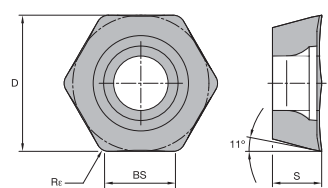
hm

0.10

| catalogue number | cutting edges | D     | S    | R <sub>ε</sub> | hm   | TN25 | TN65 | TN65 | TN65 | TN75 | WK18 |
|------------------|---------------|-------|------|----------------|------|------|------|------|------|------|------|
| HPGT06T3DZENG    | 6             | 10.98 | 3.97 | 1.0            | 0.10 | ●    | ●    | ●    | ●    | ●    | ●    |



■ HPGT-GD Wiper



- first choice
- alternate choice

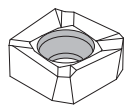
|   |  |  |  |  |  |
|---|--|--|--|--|--|
| P |  |  |  |  |  |
| M |  |  |  |  |  |
| K |  |  |  |  |  |
| N |  |  |  |  |  |
| S |  |  |  |  |  |
| H |  |  |  |  |  |

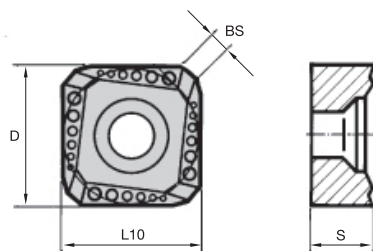
A blue diagonal banner with the word "NEW!" written in white.

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| hm | TN2510 | TN6510 | TN6525 | TN7525 | WK15CM |
| —  | ●      | ●      | ●      | ●      | ●      |

| catalogue number | cutting<br>edges | D     | S    | BS   | R <sub>ε</sub> | hm | TN251 | TN651 | TN752 | WK151 |
|------------------|------------------|-------|------|------|----------------|----|-------|-------|-------|-------|
| HPGT06T3DZERGD3W | 3                | 11.14 | 4.00 | 2.88 | 1.0            | —  | ●     | ●     | ●     | ●     |



■ SNKT-21

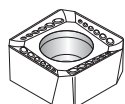


- first choice
- alternate choice

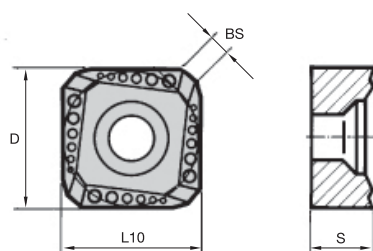
|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ○ |
| M | ● | ○ | ○ | ○ | ○ |
| K | ● | ○ | ○ | ○ | ○ |
| N | ● | ○ | ○ | ○ | ○ |
| S | ● | ○ | ○ | ○ | ○ |
| H | ● | ○ | ○ | ○ | ○ |

NEW!

| catalogue number | cutting edges | D     | L10   | S    | BS   | hm   | TN2510 | TN7525 | TT125 | THM | WK15CM |
|------------------|---------------|-------|-------|------|------|------|--------|--------|-------|-----|--------|
| SNKT1205AZR21    | 4             | 12,70 | 12,70 | 5,56 | 1,54 | 0,15 | ●      | ●      | ●     | ●   | ●      |



■ SNKT-31

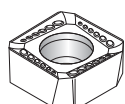


- first choice
- alternate choice

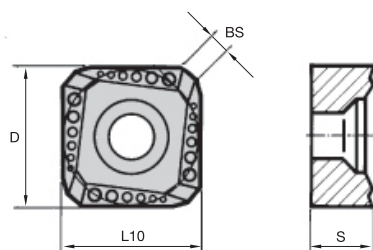
|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ○ |
| M | ● | ○ | ○ | ○ | ○ |
| K | ● | ○ | ○ | ○ | ○ |
| N | ● | ○ | ○ | ○ | ○ |
| S | ● | ○ | ○ | ○ | ○ |
| H | ● | ○ | ○ | ○ | ○ |

NEW!

| catalogue number | cutting edges | D     | L10   | S    | BS   | hm   | TN6525 | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|------|------|--------|--------|--------|--------|--------|
| SNKT1205AZR31    | 4             | 12,70 | 12,70 | 5,56 | 1,54 | 0,16 | ●      | ●      | ●      | ●      | ●      |



■ SNMT-31

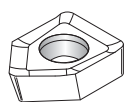


- first choice
- alternate choice

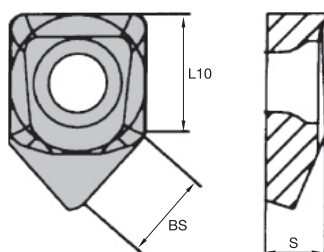
|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ○ |
| M | ● | ○ | ○ | ○ | ○ |
| K | ● | ○ | ○ | ○ | ○ |
| N | ● | ○ | ○ | ○ | ○ |
| S | ● | ○ | ○ | ○ | ○ |
| H | ● | ○ | ○ | ○ | ○ |

NEW!

| catalogue number | cutting edges | D     | L10   | S    | BS   | hm   | TN2510 | TN6525 | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|------|------|--------|--------|--------|--------|--------|--------|
| SNMT1205AZR31    | 4             | 12,70 | 12,70 | 5,56 | 1,54 | 0,16 | ●      | ●      | ●      | ●      | ●      | ●      |



■ XNKT-11 Wiper

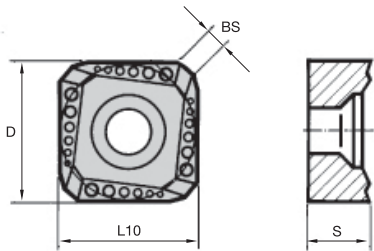
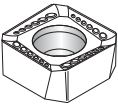


- first choice
- alternate choice

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P | ● | ○ | ● | ● | ○ |
| M | ● | ○ | ○ | ○ | ○ |
| K | ● | ○ | ○ | ○ | ○ |
| N | ● | ○ | ○ | ○ | ○ |
| S | ● | ○ | ○ | ○ | ○ |
| H | ● | ○ | ○ | ○ | ○ |

NEW!

| catalogue number | cutting edges | L10   | S    | BS   | TN2510 | TN7525 | TT125 | THM | WK15CM |
|------------------|---------------|-------|------|------|--------|--------|-------|-----|--------|
| XNKT1205AZER11   | 1             | 12,70 | 5,15 | 8,00 | ●      | ●      | ●     | ●   | ●      |



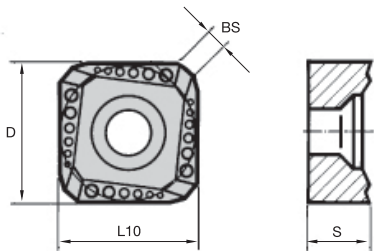
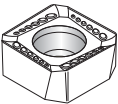
- first choice
- alternate choice

|   |   |   |   |
|---|---|---|---|
| P | ● | ● |   |
| M | ○ | ○ |   |
| K | ○ | ○ | ● |
| N |   |   |   |
| S |   |   |   |
| H |   |   |   |



■ SNKT-31

| catalogue number | cutting edges | D     | L10   | S    | BS   | hm   | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|------|------|--------|--------|--------|
| SNKT1505AZR31    | 4             | 15,88 | 15,88 | 5,56 | 2,00 | 0,16 | ●      | ●      | ●      |



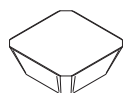
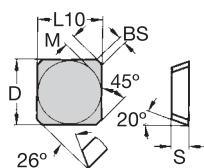
- first choice
- alternate choice

|   |   |   |   |
|---|---|---|---|
| P | ● | ● |   |
| M | ○ | ○ |   |
| K | ○ | ○ | ● |
| N |   |   |   |
| S |   |   |   |
| H |   |   |   |



■ SNMT-31

| catalogue number | cutting edges | D     | L10   | S    | BS   | hm   | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|------|------|--------|--------|--------|
| SNMT1505AZR31    | 4             | 15,88 | 15,88 | 5,56 | 2,00 | 0,16 | ●      | ●      | ●      |

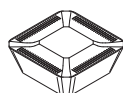
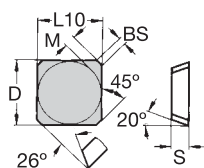

**SEKN-1**


- first choice
- alternate choice

| P | ● | ● | ● | ● | ● | ● |
|---|---|---|---|---|---|---|
| M | ● | ● | ○ | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ | ○ |

**NEW!**

| catalogue number | cutting edges | D     | L10   | M    | S    | BS   | hm   | TN6540 | TN7525 | TN7535 | TT125 | THM | WK15CM |
|------------------|---------------|-------|-------|------|------|------|------|--------|--------|--------|-------|-----|--------|
| SEKN1203AFN1     | 4             | 12,70 | 12,70 | 1,66 | 3,18 | 1,65 | 0,14 | ●      | ●      | ●      | ●     | ●   | ●      |

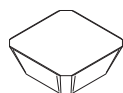
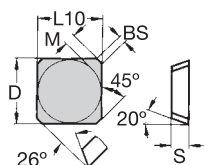

**SEKR-MS**


- first choice
- alternate choice

| P | ● | ● | ● | ● | ● | ● |
|---|---|---|---|---|---|---|
| M | ○ | ○ | ○ | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ | ○ |

**NEW!**

| catalogue number | cutting edges | D     | L10   | M    | S    | BS   | hm   | TN7525 | TN7535 | THM | THR | WK15CM |
|------------------|---------------|-------|-------|------|------|------|------|--------|--------|-----|-----|--------|
| SEKR1203AFNMS    | 4             | 12,70 | 12,70 | 1,66 | 3,10 | 1,65 | 0,14 | ●      | ●      | ●   | ●   | ●      |

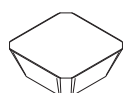
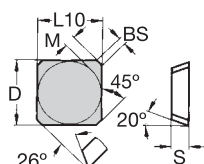

**SEKN-1**


- first choice
- alternate choice

| P | ● | ● | ● | ● | ● | ● |
|---|---|---|---|---|---|---|
| M | ○ | ○ | ○ | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ | ○ |

**NEW!**

| catalogue number | cutting edges | D     | L10   | M    | S    | BS   | hm   | TN7525 | TN7535 | TT125 | THM | WK15CM |
|------------------|---------------|-------|-------|------|------|------|------|--------|--------|-------|-----|--------|
| SEKN1204AFN1     | 4             | 12,70 | 12,70 | 1,66 | 4,76 | 1,65 | 0,14 | ●      | ●      | ●     | ●   | ●      |

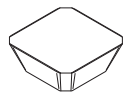

**SEKN-1**


- first choice
- alternate choice

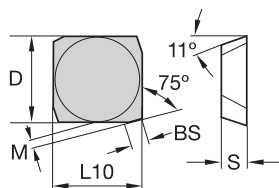
| P | ● | ● | ● | ● | ● | ● |
|---|---|---|---|---|---|---|
| M | ○ | ○ | ○ | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ | ○ |

**NEW!**

| catalogue number | cutting edges | D     | L10   | M    | S    | BS   | hm   | TN6540 | TN7525 | TN7535 | TT125 | THM | WK15CM |
|------------------|---------------|-------|-------|------|------|------|------|--------|--------|--------|-------|-----|--------|
| SEKN1504AFN1     | 4             | 15,88 | 15,88 | 2,25 | 4,76 | 1,90 | 0,18 | ●      | ●      | ●      | ●     | ●   | ●      |



### ■ SPKN12/15

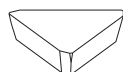


- first choice
- alternate choice

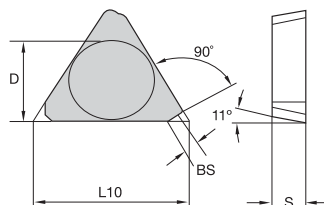
|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P | ● | ● | ● | ● | ● |
| M | ● | ○ | ○ | ○ | ○ |
| K | ● | ○ | ○ | ○ | ● |
| N | ● | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ |

NEW!

| catalogue number | cutting edges | D     | L10   | M    | S    | BS   | hm   | TN7525 | TN7535 | THM | TTR | WK15CM |
|------------------|---------------|-------|-------|------|------|------|------|--------|--------|-----|-----|--------|
| SPKN1203EDL      | 4             | 12,70 | 12,70 | 0,90 | 3,18 | 1,42 | 0,10 | ●      | ○      | ○   | ○   | ○      |
| SPKN1203EDR      | 4             | 12,70 | 12,70 | 0,90 | 3,18 | 1,42 | 0,10 | ○      | ○      | ○   | ○   | ○      |
| SPKN1203EDTR     | 4             | 12,70 | 12,70 | 0,90 | 3,18 | 1,42 | 0,10 | ●      | ○      | ○   | ○   | ○      |
| SPKN1504EDR      | 4             | 15,88 | 15,88 | 1,25 | 4,76 | 1,42 | 0,18 | ●      | ○      | ○   | ○   | ○      |



### ■ TPKN16/22



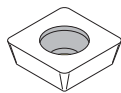
- first choice
- alternate choice

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| P | ● | ● | ● | ● | ● |
| M | ● | ○ | ○ | ○ | ○ |
| K | ● | ○ | ○ | ○ | ● |
| N | ● | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ |

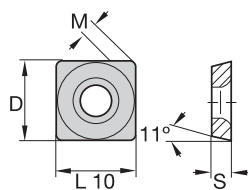
NEW!

| catalogue number | cutting edges | D     | L10   | S    | BS   | hm   | TN7525 | TN7535 | TT125 | THM | TTR | WK15CM |
|------------------|---------------|-------|-------|------|------|------|--------|--------|-------|-----|-----|--------|
| TPKN1603PDR      | 3             | 9,53  | 16,50 | 3,18 | 1,29 | 0,14 | ●      | ○      | ○     | ○   | ○   | ○      |
| TPKN2204PDL      | 3             | 12,70 | 22,00 | 4,76 | 1,40 | 0,18 | ●      | ○      | ○     | ○   | ○   | ○      |
| TPKN2204PDR      | 3             | 12,70 | 22,00 | 4,76 | 1,40 | 0,18 | ●      | ○      | ○     | ○   | ○   | ○      |





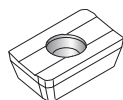
■ SPMW



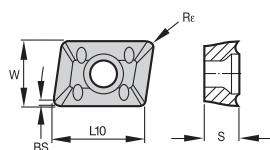
● first choice  
○ alternate choice

| P    | ●      |     |     | ●   |        |
|------|--------|-----|-----|-----|--------|
| M    | ○      | ○   | ○   | ○   | ○      |
| K    | ○      | ○   | ○   | ○   | ○      |
| N    | ○      | ○   | ○   | ○   | ○      |
| S    | ○      | ○   | ○   | ○   | ○      |
| H    | ○      | ○   | ○   | ○   | ○      |
| NEW! |        |     |     |     |        |
|      | TN7535 | THM | THR | TTR | WK15CM |
|      | ●      | ●   | ●   | ●   | ●      |
|      | ●      | ●   | ●   | ●   | ●      |
|      | ●      | ●   | ●   | ●   | ●      |

| catalogue number | cutting edges | D     | L10   | M    | S    | hm   |
|------------------|---------------|-------|-------|------|------|------|
| SPMW120408       | 4             | 12,70 | 12,70 | 2,30 | 4,76 | 0,14 |



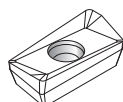
### XPHT



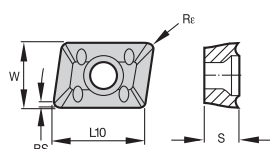
- first choice
- alternate choice

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| P |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  |  |  |  |  |  |
| K |  |  |  |  |  |  |  |  |  |
| N |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  |  |  |  |

| catalogue number | cutting edges | W    | L10   | S    | BS   | Re   | hm   | THM | TN6510 | TN6520 | TN6525 | TN6540 | TN7525 | TN7535 | TT125 | WK15CM |
|------------------|---------------|------|-------|------|------|------|------|-----|--------|--------|--------|--------|--------|--------|-------|--------|
| XPHT160408       | 2             | 9,53 | 15,67 | 4,76 | 1,80 | 0,80 | 0,16 |     |        |        |        |        |        |        |       |        |
| XPHT160412       | 2             | 9,53 | 15,67 | 4,76 | 1,50 | 1,20 | 0,16 |     |        |        |        |        |        |        |       |        |
| XPHT160416       | 2             | 9,53 | 15,67 | 4,76 | 0,80 | 1,60 | 0,16 |     |        |        |        |        |        |        |       |        |
| XPHT160420       | 2             | 9,53 | 15,67 | 4,76 | 0,50 | 2,00 | 0,18 |     |        |        |        |        |        |        |       |        |
| XPHT160425       | 2             | 9,53 | 15,67 | 4,76 | 1,20 | 2,50 | 0,16 |     |        |        |        |        |        |        |       |        |
| XPHT160432       | 2             | 9,53 | 15,67 | 4,76 | 1,20 | 3,17 | 0,16 |     |        |        |        |        |        |        |       |        |
| XPHT160440       | 2             | 9,53 | 15,67 | 4,76 | 1,20 | 4,00 | 0,16 |     |        |        |        |        |        |        |       |        |



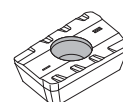
### XPHT-ERGE



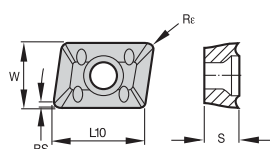
- first choice
- alternate choice

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| P |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  |  |  |  |  |  |
| K |  |  |  |  |  |  |  |  |  |
| N |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  |  |  |  |

| catalogue number | cutting edges | W    | L10   | S    | BS   | Re   | hm   | TN6510 | TN6520 | TN6525 | TN6540 | TN7525 | TN7535 | TT125 | WK15CM |
|------------------|---------------|------|-------|------|------|------|------|--------|--------|--------|--------|--------|--------|-------|--------|
| XPHT160408ERGE   | 2             | 9,44 | 15,67 | 4,76 | 1,80 | 0,80 | 0,12 |        |        |        |        |        |        |       |        |
| XPHT160412ERGE   | 2             | 9,44 | 15,67 | 4,76 | 1,50 | 1,20 | 0,12 |        |        |        |        |        |        |       |        |
| XPHT160416ERGE   | 2             | 9,44 | 15,67 | 4,76 | 0,50 | 1,67 | 0,12 |        |        |        |        |        |        |       |        |



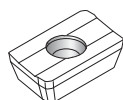
### XPHT-MR



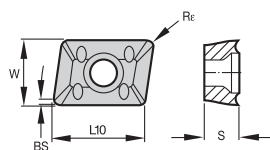
- first choice
- alternate choice

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| P |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  |  |  |  |  |  |
| K |  |  |  |  |  |  |  |  |  |
| N |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  |  |  |  |

| catalogue number | cutting edges | W    | L10   | S    | BS   | Re   | hm   | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|------|-------|------|------|------|------|--------|--------|--------|--------|
| XPHT160412MR     | 2             | 9,53 | 15,67 | 4,76 | 1,70 | 1,20 | 0,18 |        |        |        |        |



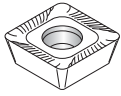
### XPNT



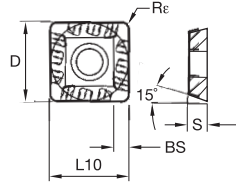
- first choice
- alternate choice

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| P |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  |  |  |  |  |  |
| K |  |  |  |  |  |  |  |  |  |
| N |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  |  |  |  |

| catalogue number | cutting edges | W    | L10   | S    | BS  | Re   | hm   | TN6525 | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|------|-------|------|-----|------|------|--------|--------|--------|--------|--------|
| XPNT160412       | 2             | 9,53 | 15,88 | 4,79 | 1,2 | 1,20 | 0,16 |        |        |        |        |        |



■ SDMT-ML

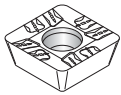


- first choice
- alternate choice

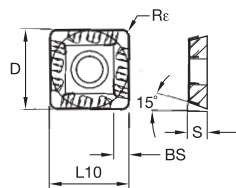
|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | ● | ● | ● | ● | ● | ● |
| M | ● | ● | ● | ● | ● | ● |
| K | ● | ● | ● | ● | ● | ● |
| N | ● | ● | ● | ● | ● | ● |
| S | ● | ● | ● | ● | ● | ● |
| H | ● | ● | ● | ● | ● | ● |

NEW!

| catalogue number | cutting edges | D     | L10   | S    | BS | Rε  | hm   | TN6520 | TN6540 | TN7525 | TN7535 | THM | WK15CM |
|------------------|---------------|-------|-------|------|----|-----|------|--------|--------|--------|--------|-----|--------|
| SDMT1204PDRML    | 4             | 12,70 | 12,70 | 4,77 | —  | 1,2 | 0,08 | ●      | ●      | ●      | ●      | ●   | ●      |



■ SDMT-MH

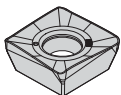


- first choice
- alternate choice

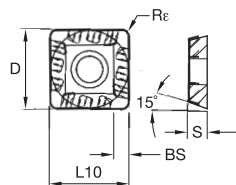
|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | ○ | ● | ● | ● | ● | ● |
| M | ○ | ● | ● | ● | ● | ● |
| K | ○ | ● | ● | ● | ● | ● |
| N | ○ | ● | ● | ● | ● | ● |
| S | ○ | ● | ● | ● | ● | ● |
| H | ○ | ● | ● | ● | ● | ● |

NEW!

| catalogue number | cutting edges | D     | L10   | S    | BS | Rε  | hm   | TN2510 | TN6520 | TN6525 | TN6540 | TN7525 | TN7535 | THM | WK15CM |
|------------------|---------------|-------|-------|------|----|-----|------|--------|--------|--------|--------|--------|--------|-----|--------|
| SDMT1204PDRMH    | 4             | 12,70 | 12,70 | 4,81 | —  | 1,2 | 0,14 | ●      | ●      | ●      | ●      | ●      | ●      | ●   | ●      |



■ SDMX-MH



- first choice
- alternate choice

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | ● | ● | ● | ● | ● | ● |
| M | ● | ● | ● | ● | ● | ● |
| K | ● | ● | ● | ● | ● | ● |
| N | ● | ● | ● | ● | ● | ● |
| S | ● | ● | ● | ● | ● | ● |
| H | ● | ● | ● | ● | ● | ● |

NEW!

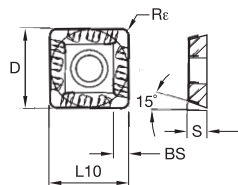
| catalogue number | cutting edges | D     | L10   | S    | BS   | Rε  | hm   | TN6520 | TN6525 | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|------|-----|------|--------|--------|--------|--------|--------|--------|
| SDMX120408RMH    | 4             | 12,70 | 12,70 | 4,76 | 1,93 | 0,8 | 0,14 | ●      | ●      | ●      | ●      | ●      | ●      |
| SDMX120412RMH    | 4             | 12,70 | 12,70 | 4,76 | 1,54 | 1,2 | 0,14 | ●      | ●      | ●      | ●      | ●      | ●      |
| SDMX120416RMH    | 4             | 12,70 | 12,70 | 4,76 | 1,50 | 1,6 | 0,14 | ●      | ●      | ●      | ●      | ●      | ●      |

# 90° Shoulder Mills

M690 Series Inserts • SD1506..



■ SDMT-ML



- first choice
- alternate choice

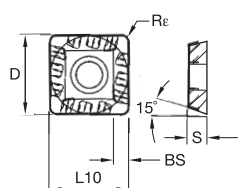
|   |   |   |   |   |
|---|---|---|---|---|
| P | ● | ● | ● | ● |
| M | ● | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ |

**NEW!**

| catalogue number | cutting edges | D     | L10   | S    | BS | R <sub>ε</sub> | hm   | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|----|----------------|------|--------|--------|--------|--------|
| SDMT1506PDRML    | 4             | 15,88 | 15,88 | 6,32 | —  | 1,2            | 0,08 | ●      | ●      | ●      | ●      |



■ SDMT-MH

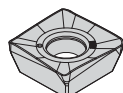


- first choice
- alternate choice

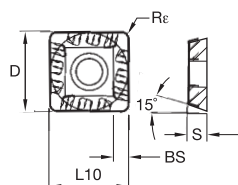
|   |   |   |   |   |
|---|---|---|---|---|
| P | ● | ● | ● | ● |
| M | ● | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ |

**NEW!**

| catalogue number | cutting edges | D     | L10   | S    | BS | R <sub>ε</sub> | hm   | TN2510 | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|----|----------------|------|--------|--------|--------|--------|--------|
| SDMT1506PDRMH    | 4             | 15,88 | 15,88 | 6,35 | —  | 1,2            | 0,20 | ●      | ●      | ●      | ●      | ●      |



■ SDMX-MH



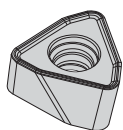
- first choice
- alternate choice

|   |   |   |   |   |
|---|---|---|---|---|
| P | ● | ● | ● | ● |
| M | ● | ○ | ○ | ○ |
| K | ○ | ○ | ○ | ○ |
| N | ○ | ○ | ○ | ○ |
| S | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ |

**NEW!**

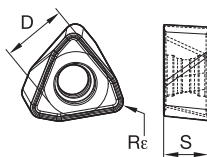
| catalogue number | cutting edges | D     | L10   | S    | BS   | R <sub>ε</sub> | hm   | TN6540 | TN7525 | TN7535 | WK15CM |
|------------------|---------------|-------|-------|------|------|----------------|------|--------|--------|--------|--------|
| SDMX150612RMH    | 4             | 15,88 | 15,88 | 6,35 | 1,45 | 1,2            | 0,20 | ●      | ●      | ●      | ●      |
| SDMX150616RMH    | 4             | 15,88 | 15,88 | 6,35 | 1,51 | 1,6            | 0,20 | ●      | ●      | ●      | ●      |

- MH geometry is the first choice for high-strength steel and cast iron.



WOEJ-MH

■ WOEJ-MH



- first choice
- alternate choice

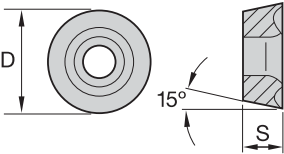
| P      | ○ | ● | ● | ● | ○ |
|--------|---|---|---|---|---|
| M      | ● | ○ | ○ | ○ | ○ |
| K      | ● | ○ | ○ | ○ | ○ |
| N      | ○ | ○ | ○ | ○ | ○ |
| S      | ○ | ○ | ○ | ○ | ○ |
| H      | ○ | ○ | ○ | ○ | ○ |
| NEW!   |   |   |   |   |   |
| TN6520 | ● | ○ | ○ | ○ | ○ |
| TN6525 | ● | ○ | ○ | ○ | ○ |
| TN6540 | ● | ○ | ○ | ○ | ○ |
| TN7535 | ● | ○ | ○ | ○ | ○ |
| WK15CM | ● | ○ | ○ | ○ | ○ |

| catalogue number | cutting edges | D    | S    | R <sub>ε</sub> | hm   |   |
|------------------|---------------|------|------|----------------|------|---|
| WOEJ080412SRMH   | 6             | 7,79 | 4,75 | 1,22           | 0,25 | ● |



RDMW-TX

RDMW-TX



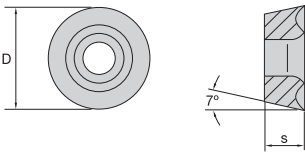
- first choice
- alternate choice

|      |        |        |        |        |        |   |
|------|--------|--------|--------|--------|--------|---|
| P    | ●      | ○      | ●      | ●      | ●      | ● |
| M    | ●      | ○      | ○      | ○      | ○      | ○ |
| K    | ●      | ○      | ○      | ○      | ○      | ○ |
| N    | ●      | ○      | ○      | ○      | ○      | ○ |
| S    | ●      | ○      | ○      | ○      | ○      | ○ |
| H    | ●      | ○      | ○      | ○      | ○      | ○ |
| NEW! |        |        |        |        |        |   |
|      | TN2510 | TN6540 | TN7525 | TN7535 | WK15CM |   |

| catalogue number | D     | S    | hm   |   |   |   |
|------------------|-------|------|------|---|---|---|
| RDMW1204M0TX     | 12,00 | 4,76 | 0,15 | ● | ● | ● |



RCMT-MOTX



- first choice
- alternate choice

|      |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|
| P    | ●      | ○      | ●      | ●      | ●      | ●      |
| M    | ●      | ○      | ○      | ○      | ○      | ○      |
| K    | ●      | ○      | ○      | ○      | ○      | ○      |
| N    | ●      | ○      | ○      | ○      | ○      | ○      |
| S    | ●      | ○      | ○      | ○      | ○      | ○      |
| H    | ●      | ○      | ○      | ○      | ○      | ○      |
| NEW! |        |        |        |        |        |        |
|      | TN2510 | TN6525 | TN6540 | TN7525 | TN7535 | WK15CM |

| catalogue number | D     | S    | hm   |   |   |   |
|------------------|-------|------|------|---|---|---|
| RCMT1606M0TX     | 16,00 | 6,35 | 0,24 | ● | ● | ● |

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