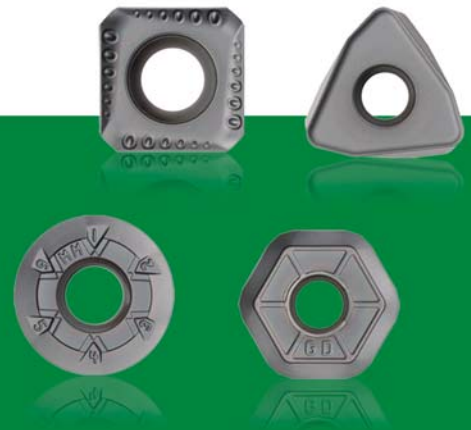


**WP40PM – Breakthrough in the
Latest P40 Technology
ADVANCES 2015
Metric**

Victory™ Grade WP40PM

Breakthrough in latest substrate and coating technology to boost performance levels in different material groups.

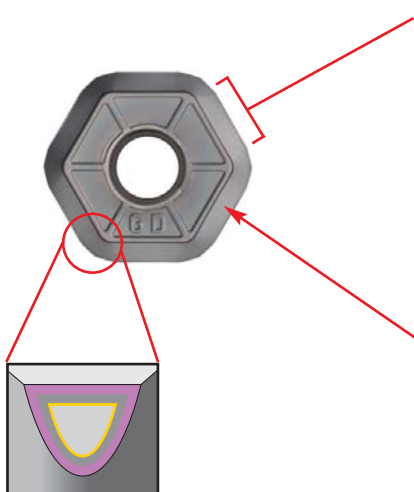


WP40PM

NEW!

Victory WP40PM

Best-in-class solution for toughest steel milling jobs, castings with scale, and surfaces with varying thicknesses

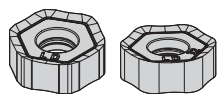


New Medium Grained Substrate

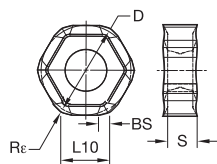
- First Zr alloyed substrate in the market.
- Minimizes thermal edge deformations.
- Excellent cutting edge strength for higher feed rates and high radial depth of cut.
- Rich in cobalt content to avoid insert cracking.

New PVD Multilayer AlCrN-TiAlN Coating

- High hot hardness and chemical resistance up to 1000 °C.
- High oxidation resistance.
- Dry and wet machining capabilities.
- Improved tool life.



■ HNGJ-LD

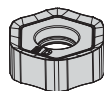


● first choice
○ alternate choice

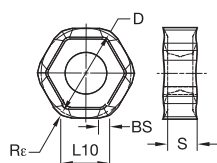
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M	●	●	●	●	●	●
K	●	●	●	●	●	●
N	●	●	●	●	●	●
S	●	●	●	●	●	●
H	●	●	●	●	●	●

catalogue number	cutting edges	D	L10	S	BS	Re	hm	TN5515	TN6505	TN6510	TN6520	TN6525	TN6540	WS30PM	WP40PM
HNGJ0704ANENLD	12	12,70	6,80	4,48	1,60	1,20	0,08	●	●	●	●	●	●	●	●
HNGJ070432ANENLD	12	12,70	6,80	4,48	—	3,20	0,08	●	●	●	●	●	●	●	●

NEW!



■ HNPJ-GD

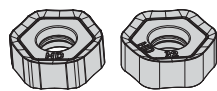


● first choice
○ alternate choice

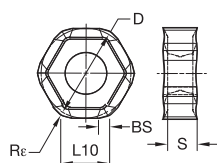
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M	●	●	●	●	●	●
K	●	●	●	●	●	●
N	●	●	●	●	●	●
S	●	●	●	●	●	●
H	●	●	●	●	●	●

catalogue number	cutting edges	D	L10	S	BS	Re	hm	TN6510	TN6520	TN6540	TN7535	WK15CM	WS30PM	WP40PM
HNPJ0704ANSNGD	12	12,70	6,80	4,45	1,27	1,2	0,1	●	●	●	●	●	●	●

NEW!

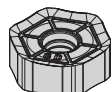


■ HNPJ-HD

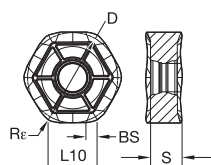


catalogue number	cutting edges	D	L10	S	BS	Re	hm	TN6510	TN6520	TN6540	TN7535	WK15CM	WS30PM	WP40PM
HNPJ0704ANSNHD	12	12,70	6,80	4,41	1,25	1,2	0,14	●	●	●	●	●	●	●
HNPJ070432ANSNHD	12	12,70	6,80	4,42	—	3,2	0,14	●	●	●	●	●	●	●

NEW!



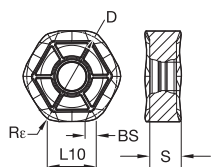
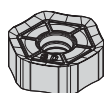
■ HNGJ-GD



● first choice
○ alternate choice

P	●	●	●	●	●	●
M	●	●	●	●	●	●
K	●	●	●	●	●	●
N	●	●	●	●	●	●
S	●	●	●	●	●	●
H	●	●	●	●	●	●

catalogue number	cutting edges	D	L10	S	BS	Re	hm	TN6520	TN6525	TN6540	WK15CM	WS30PM	WP40PM
HNGJ0905ANSNGD	12	15,88	9,00	5,56	1,80	1,2	0,15	●	●	●	●	●	●

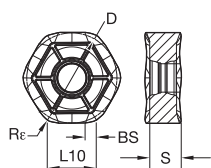
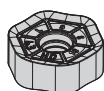
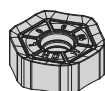


● first choice
○ alternate choice

P	●	●	●	●	●	●
M	●	●	●	●	●	●
K	●	●	●	●	●	●
N	●	●	●	●	●	●
S	●	●	●	●	●	●
H	●	●	●	●	●	●

■ HNPJ-GD

catalogue number	cutting edges	D	L10	S	BS	hm	TN5515	TN6520	TN6540	TN7535	WK15CM	WS30PM	WP40PM
HNPJ0905ANSNGD	12	15,88	8,58	5,56	1,80	0,15	●	●	●	●	●	●	●

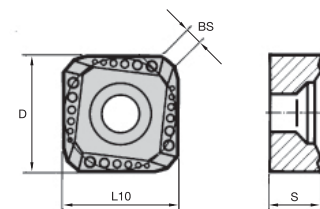
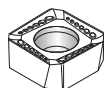


● first choice
○ alternate choice

P	●	●	●	●	●	●
M	●	●	●	●	●	●
K	●	●	●	●	●	●
N	●	●	●	●	●	●
S	●	●	●	●	●	●
H	●	●	●	●	●	●

■ HNPJ-HD

catalogue number	cutting edges	D	L10	S	BS	hm	TN5515	TN6520	TN6540	TN7535	WK15CM	WS30PM	WP40PM
HNPJ0905ANSNHD	12	15,88	8,59	5,46	1,66	0,20	●	●	●	●	●	●	●
HNPJ090543ANSNHD	12	15,88	8,50	5,44	—	0,20	●	●	●	●	●	●	●



● first choice
○ alternate choice

P	●	●	●	●	●	●
M	●	●	●	●	●	●
K	●	●	●	●	●	●
N	●	●	●	●	●	●
S	●	●	●	●	●	●
H	●	●	●	●	●	●

■ SNMT-31

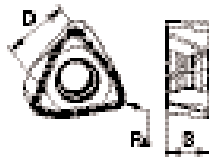
catalogue number	cutting edges	D	L10	S	BS	hm	TN2510	TN6525	TN6540	TN7525	TN7535	WK15CM	WS30PM	WP40PM
SNMT1205AZR31	4	12,70	12,70	5,56	1,54	0,16	●	●	●	●	●	●	●	●



WOEJ-MM



WOEJ-MH



- first choice
- alternate choice

P									
M									
K									
N									
S									
H									

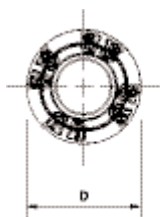
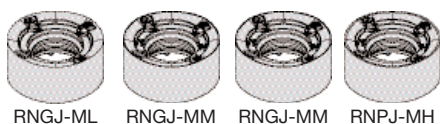
- -MM geometry provides lower cutting forces. First choice for steel, stainless steel, and high-temp alloys.
- -MH geometry is the first choice for high-strength steel and cast iron.

■ WOEJ-MM

catalogue number	cutting edges	D	S	Rε	TN5515	TN6520	TN6525	TN6540	TN7535	WP25PM	WS30PM	WP40PM
WOEJ080412SRMM	6	7,79	5	1,22			●	●	●	●	●	●

■ WOEJ-MH

catalogue number	cutting edges	D	S	Rε	TN6520	TN6525	TN6540	TN7535	WK15CM	WP25PM	WS30PM	WP40PM
WOEJ080412SRMH	6	7,79	4,75	1,22	●	●	●	●	●	●		●



- first choice
- alternate choice

P								
M								
K								
N								
S								
H								

- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steel.

■ RNGJ-ML

catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNGJ10T3M0EML	8	10.00	4.76		●	●	●	●		

■ RNGJ-MM

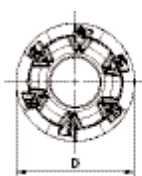
catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNGJ10T3M0SMM	8	10,00	4,76			●	●	●		

■ RNPJ-MM

catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNPJ10T3M0SMM	8	10.00	4.76		●	●			●	

■ RNPJ-MH

catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNPJ10T3M0SMH	8	10,00	4,76	●	●	●		●	●	●



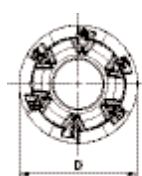
- first choice
○ alternate choice

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

- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steel.

■ RNGJ-ML

catalogue number	cutting edges	D	S	WK15PM	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNGJ1204M0EML	12	12,00	4,75				●	●	●	●	●



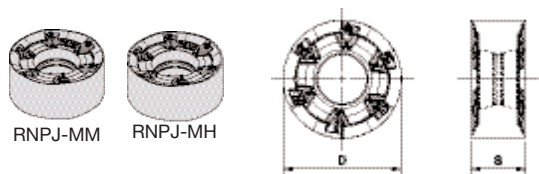
- first choice
○ alternate choice

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

- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steels.

■ RNGJ-MM

catalogue number	cutting edges	D	S	WK15PM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNGJ1204M0SMM	12	12,00	4,75	●	●	●	●	●	●



- first choice
- alternate choice

P								
M								
K								
N								
S								
H								

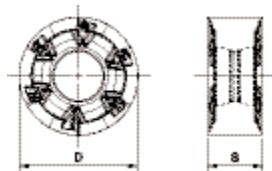
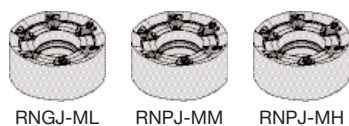
- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steels.

■ RNPJ-MM

catalogue number	cutting edges	D	S	WK15PM	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WB40PM
RNPJ1204M0SMM	12	12,00	4,75			●	●		●	●	●

■ RNPJ-MH

catalogue number	cutting edges	D	S	WK15PM	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNPJ1204M0SMH	12	12.00	4.75		●	●	●		●	●	●



● first choice
○ alternate choice

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

- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steels.

■ RNGJ-ML

catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNGJ1605M0EML	12	16,00	6,35			●	●	●	●	●

■ RNPJ-MM

catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNPJ1605M0SMM	12	16,00	6,35			●	●	●	●	●

■ RNPJ-MH

catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNPJ1605M0SMH	12	16,00	6,35	●	●	●	●	●	●	●

WP40PM – Breakthrough in the Latest P40 Technology

ADVANCES 2015

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