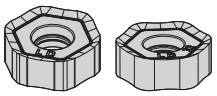
WS30PM – New High Performance Grade for Titanium and Stainless Steels

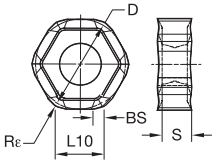
ADVANCES 2015

Metric

WIDIA™

■ HNGJ-LD





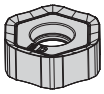
● first choice
○ alternate choice

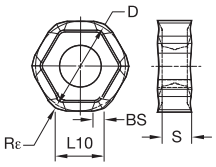
P			●			●	●		●							
M						○	●	○	○							
K		●	●	●	●	○	○									
N																
S							●	●								
H																

catalogue number	cutting edges	D	L10	S	BS	Rε	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





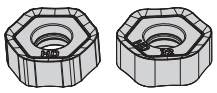
● first choice
○ alternate choice

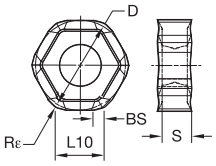
P				●	●			●								
M				●	○			○	○							
K		●	●	○	○	●										
N																
S				●				●								
H																

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

NEW!

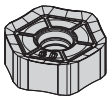
■ HNPJ-HD

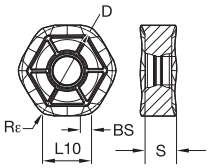




catalogue number	cutting edges	D	L10	S	BS	Rε	hm	TN6510	TN6520	TN6540	TN7535	WK15CM	WS30PM	WP40PM
HNPJ0704ANSNHD	12	12,70	6,80	4,41	1,25	1,2	0,14	●	●	●	●	●		●
HNPJ070432ANSNHD	12	12,70	6,80	4,42	–	3,2	0,14	●	●	●	●			

■ HNGJ-GD





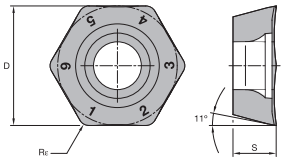
● first choice
○ alternate choice

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

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

NEW!

HPGT-GD

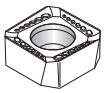


● first choice
○ alternate choice

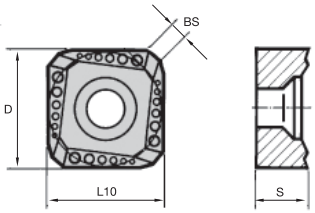
		TN2510	TN6510	TN6520	TN6525	TN6540	TN7525	TN7535	WK15CM	WS30PM	WP40PM
P		○			●	●	●	●			●
M					○	●	○	○		○	○
K		●	●	●	○	○		○	●		
N											
S						●				●	
H		●									

NEW!

catalogue number	cutting edges	D	S	Rε	hm	TN2510	TN6510	TN6520	TN6525	TN6540	TN7525	TN7535	WK15CM	WS30PM	WP40PM
HPGT06T3DZENGD	6	10,98	3,97	1,0	0,10	●	●	●	●	●	●	●	●	●	



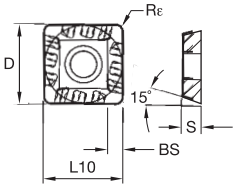
SNMT-31



● first choice
○ alternate choice

		TN2510	TN6525	TN6540	TN7525	TN7535	WK15CM	WS30PM	WP40PM
P		○	●	●	●	●			●
M			○	●	○	○		○	○
K		●	○	○		○	●		
N									
S				●				●	
H		●							

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	●	●	●	●	●	●		●

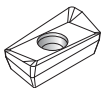


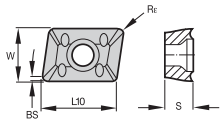
● first choice
○ alternate choice

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

■ SDMX-MM

catalogue number	cutting edges	D	L10	S	BS	Rε	hm	TN5515	TN6520	TN6525	TN6540	TN7525	TN7535	WS30PM	WP40PM
SDMX120408RMM	4	12,70	12,70	4,76	1,93	0,8	0,13			●	●	●	●	●	
SDMX120412RMM	4	12,70	12,70	4,76	1,50	1,2	0,10	●		●	●	●	●	●	
SDMX120416RMM	4	12,70	12,70	4,76	1,50	1,6	0,10	●	●	●	●		●		
SDMX120424RMM	4	12,70	12,70	4,76	0,60	2,4	0,10				●		●		
SDMX120432RMM	4	12,70	12,70	4,76	–	3,2	0,10				●		●		





● first choice
○ alternate choice

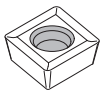
P				●	●	●	●	●														
M				○	●	○	○	○														
K	●	●	○	○		○		●														
N																						
S					●				●													
H																						

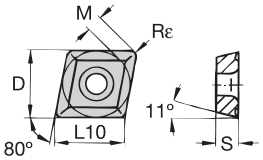
■ XPHT-ERGE

catalogue number	cutting edges	W	L10	S	BS	Rε	hm	TN6510	TN6520	TN6525	TN6540	TN7525	TN7535	TTI25	WK15CM	WS30PM	WP40PM
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	–	1,67	–								●		

● first choice
○ alternate choice

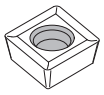
		TN7535	THM	TTM	WS30PM	WP40PM
P		●		●		●
M		○		○	○	○
K		○	○	○		
N			●			
S			○		●	
H						

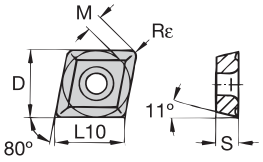




■ CPNT

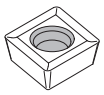
catalogue number	cutting edges	D	L10	M	S	Rε	hm	TN7535	THM	TTM	WS30PM	WP40PM
CPNT060204T	2	6,35	6,45	1,54	2,38	0,4	–	●	●			●

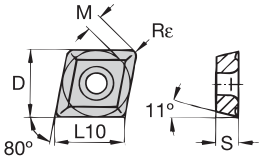




■ CPNT

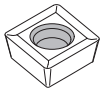
catalogue number	cutting edges	D	L10	M	S	Rε	hm	TN7535	THM	TTM08	WS30PM	WP40PM
CPNT080308T	2	7,94	8,06	1,76	3,18	0,8	0,09	●	●	●		●

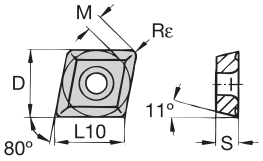




■ CPNT

catalogue number	cutting edges	D	L10	M	S	Rε	hm	TN7535	THM	TTM08	WS30PM	WP40PM
CPNT09T308T	2	9,52	9,67	2,20	3,97	0,8	0,10	●	●	●		

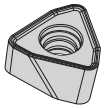




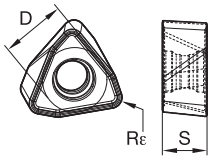
■ CPNT

catalogue number	cutting edges	D	L10	M	S	Rε	hm	TN7535	THM	TTM08	WS30PM	WP40PM
CPNT120408T	2	12,70	12,90	3,08	4,76	0,8	0,10	●	●	●		●

WOEJ-MM



WOEJ-MH



● first choice
○ alternate choice

		TN5515	TN6520	TN6525	TN6540	TN7535	WP25PM	WS30PM	WP40PM
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.

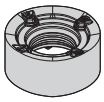
■ WOEJ-MM

NEW!

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	●	●	●	●	●	●		●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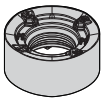
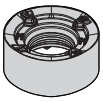
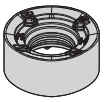
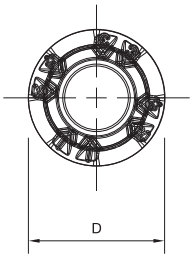
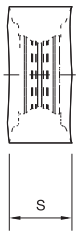

RNGJ-MM


RNGJ-MM


RNPJ-MH





● 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
						NEW!				
RNGJ10T3M0EML	8	10,00	4,76			●	●	●	●	

■ RNGJ-MM

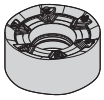
catalogue number	cutting edges	D	S	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
						NEW!				
RNGJ10T3M0SMM	8	10,00	4,76			●	●	●		

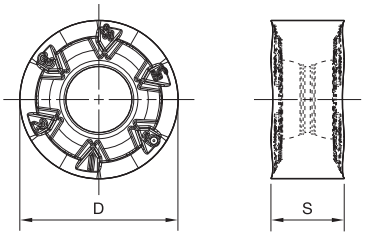
■ RNPJ-MM

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	●	●	●		●	●	●


RNGJ-ML



● first choice
○ alternate choice

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

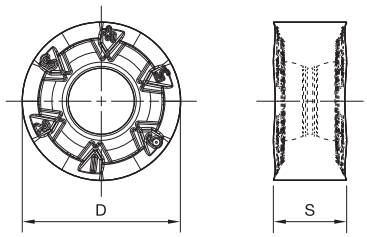
- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steel.

■ RNGJ-ML

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

NEW!


RNGJ-MM



● first choice
○ alternate choice

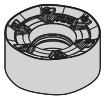
P				●		●	●	●	
M				●	○	●	○	○	
K	●	○					○		
N									
S				●	●	●			
H				○					

- -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

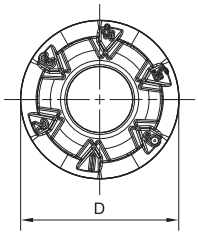
catalogue number	cutting edges	D	S	WK15PM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
RNGJ1204M0SMM	12	12,00	4,75	●	●	●	●	●	

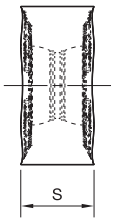
NEW!



RNPJ-MM

RNPJ-MH





● first choice
○ alternate choice

		WK15PM	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
P				●	●		●	●	●
M				○	●	○	●	○	○
K		●	●	○	○			○	
N									
S					●	●	●		
H				○	○				

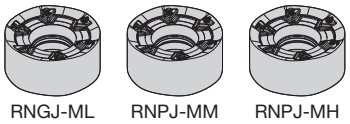
- -ML geometry is the first choice for stainless steel and high-temp alloys.
- -MM geometry is for general purpose, especially for steel.
- -MH geometry is the first choice for heavy applications, cast iron, and high-strength steels.

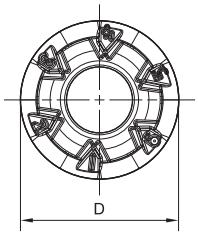
■ RNPJ-MM

catalogue number	cutting edges	D	S	WK15PM	WK15CM	WP20CM	WP25PM	WS30PM	WU35PM	WP35CM	WP40PM
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		●	●	●		●	●	●


RNGJ-ML RNPJ-MM RNPJ-MH



● 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			●	●	●	●	

NEW!

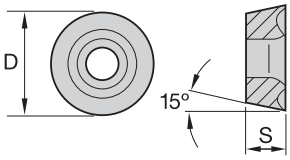
RNPJ-MM

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	●	●	●		●	●	●


RDMT-TX



● first choice
○ alternate choice

		TN2510	TN6525	TN6540	TN7525	TN7535	WS30PM	WP40PM
P		○	●	●	●	●		●
M			○	●	○	○	○	○
K		●	○	○		○		
N								
S				●			●	
H		●						

NEW!

■ RDMT-TX

catalogue number	D	S	hm	TN2510	TN6525	TN6540	TN7525	TN7535	WS30PM	WP40PM
RDMT1204M0TX	12,00	4,76	0,15	●	●	●	●	●	●	

WS30PM – New High Performance Grade for Titanium and Stainless Steels

ADVANCES 2015

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