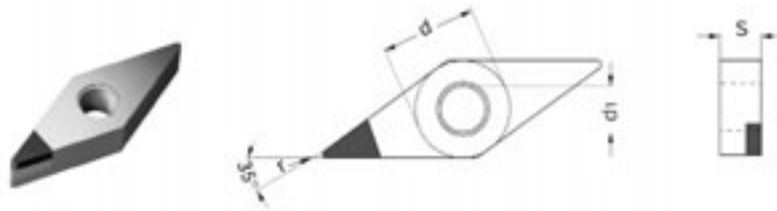


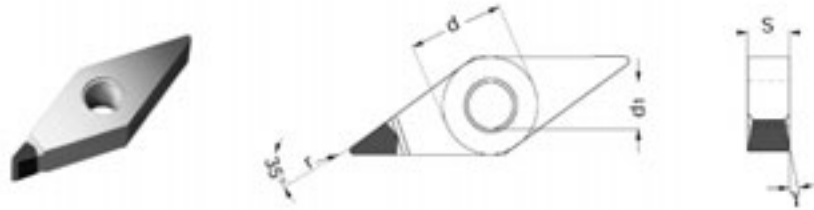
MAPAL Turning inserts with PCBN



VNMA...

regrindable

Description	Dimensions (mm)				PCBN																					
	d	s	r	d1	FJC1A0	FJE1A0	FJF1A0	FJG1A0	FJJ1A0	FJK1A0	FJL1A0															
	Cutting edges				Cutting edges	Cutting edges	Cutting edges	Cutting edges	Cutting edges	Cutting edges	Cutting edges															
					F01	T35	F01	T42	F01	T43	F01	T35	F01	T48	F01	T43	F01	T43								
VNMA 160404 ...N-OAA...-R	9,52	4,76	0,4	3,81	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o							
VNMA 160408 ...N-OAA...-R	9,52	4,76	0,8	3,81	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o							
VNMA 160412 ...N-OAA...-R	9,52	4,76	1,2	3,81		o							o	o					o							
VNMA 160416 ...N-OAA...-R	9,52	4,76	1,6	3,81								o	o						o							



VNMG...

Description	Dimensions (mm)				PCBN																				
	d	s	r	d1	FJD1A0	FJH1A0	FJM1A0																		
	Cutting edges				Cutting edges	Cutting edges	Cutting edges																		
					F01	T44	F01	T44	F01	T46															
VNMG 160404 ...N-5HT	9,52	4,76	0,4	3,81	o		o		o																
VNMG 160408 ...N-5HT	9,52	4,76	0,8	3,81	o		o		o																
VNMG 160412 ...N-5HT	9,52	4,76	1,2	3,81	o		o		o																



WBGW...

Description	Dimensions (mm)				PCBN																				
	d	s	r	d1	FJC1A0	FJE1A0	FJF1A0	FJG1A0	FJJ1A0	FJK1A0	FJL1A0														
	Cutting edges				Cutting edges	Cutting edges	Cutting edges	Cutting edges	Cutting edges	Cutting edges	Cutting edges														
					F01	T35	F01	T42	F01	T43	F01	T35	F01	T48	F01	T43	F01	T43							
WBGW 020102 ...L-OAF	3,97	1,58	0,2	2,3	o	o	o		o		o	o		o		o	o	o							
WBGW 020104 ...L-OAF	3,97	1,58	0,4	2,3	o	o		o		o	o		o		o	o	o	o							