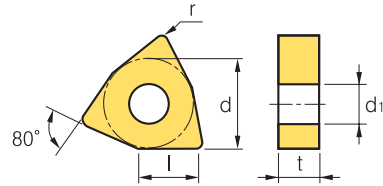




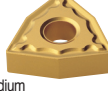
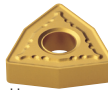




WN○○

 Trigon **80° Negative**



Workpiece	Machining types													
	P	M	K	N	S	H	●	⊕	⊗	⊙	⊚	⊛	⊜	⊝
Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stainless steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cast iron	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Non-ferrous metal	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heat resistant alloy, Titanium alloy	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hardened steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Machining types
 ● Continuous cutting
 ⊕ General cutting
 ⊗ Interrupted cutting

Inserts	Designation	Coated										Cermet	Coated	Uncoated	Dimensions (mm)					Cutting Condition		Available tool holders								
		NC3010	NC3120	NC3220	NC3030	NC9020	NC5330	PC8110	PC5300	NC9030	NC6205	NC6210	NC315K	CN1000	CN2000	CN20	CC105	CC115	U20	H01	G10	l	d	t	r	d ₁	fn (mm/rev)	ap (mm)	Designation	Page
 Roughing	060404																				6.2	9.525	4.76	0.4	3.81	0.10-0.30	0.50-3.00	MWLNRL B112		
	060408										●											6.1	9.525	4.76	0.8	3.81	0.10-0.30	0.50-3.00	PWLNRL B130	
	060412																					6.0	9.525	4.76	1.2	3.81	0.10-0.40	1.00-3.00	WWLNRL B103	
	080404																					8.4	12.7	4.76	0.4	5.16	0.15-0.60	1.00-5.00		
	080408										●	●	●									8.3	12.7	4.76	0.8	5.16	0.15-0.60	1.00-6.00		
080412											●										8.2	12.7	4.76	1.2	5.16	0.15-0.70	1.50-6.00			
 Medium Roughing	080404-B25																				8.4	12.7	4.76	0.4	5.16	0.17-0.45	1.00-5.00	MWLNRL B112		
	080408-B25		●	●							●											8.3	12.7	4.76	0.8	5.16	0.23-0.60	1.50-5.00	PWLNRL B130	
	080412-B25																					8.2	12.7	4.76	1.2	5.16	0.25-0.60	2.00-5.00	WWLNRL B103	
 Medium	060404-GM																				6.2	9.525	4.76	0.4	3.81	0.05-0.30	0.90-3.50	MWLNRL B112		
	060408-GM	●		●																		6.1	9.525	4.76	0.8	3.81	0.10-0.45	1.00-3.50	PWLNRL B130	
	080404-GM				●																	8.4	12.7	4.76	0.4	5.16	0.05-0.30	0.90-5.00	WWLNRL B103	
	080408-GM	●	●	●																		8.3	12.7	4.76	0.8	5.16	0.10-0.50	1.00-5.00		
080412-GM	●										●										8.2	12.7	4.76	1.2	5.16	0.18-0.60	0.30-5.00			
 Roughing	080404-GR																				8.4	12.7	4.76	0.4	5.16	0.15-0.50	0.08-6.00	MWLNRL B112		
	080408-GR	●	●	●	●		●				●	●										8.3	12.7	4.76	0.8	5.16	0.20-0.50	1.00-7.00	PWLNRL B130	
	080412-GR	●	●	●	●		●				●											8.2	12.7	4.76	1.2	5.16	0.25-0.50	1.30-7.00	WWLNRL B103	
	080416-GR	●																				8.1	12.7	4.76	1.6	5.16	0.25-0.60	1.80-6.00		
 Medium Roughing	060404-GS																				6.2	9.525	4.76	0.4	3.81	0.05-0.25	0.10-3.00	MWLNRL B112		
	060408-GS										●	●										6.1	9.525	4.76	0.8	3.81	0.10-0.50	1.00-4.00	PWLNRL B130	
	060412-GS																					6.0	9.525	4.76	1.2	3.81	0.10-0.50	1.00-4.00	WWLNRL B103	
	080404-GS				●																	8.4	12.7	4.76	0.4	5.16	0.05-0.25	0.10-3.00		
	080408-GS		●		●	●					●	●	●									8.3	12.7	4.76	0.8	5.16	0.10-0.50	1.00-5.00		
080412-GS																					8.2	12.7	4.76	1.2	5.16	0.13-0.65	1.00-5.00			
 Medium to finishing	060404-HA																				6.2	9.525	4.76	0.4	3.81	0.05-0.30	0.10-3.00	MWLNRL B112		
	060408-HA																					6.1	9.525	4.76	0.8	3.81	0.10-0.40	0.80-3.50	PWLNRL B130	
	080404-HA		●		●																	8.4	12.7	4.76	0.4	5.16	0.05-0.30	0.80-3.50	WWLNRL B103	
	080408-HA					●																8.3	12.7	4.76	0.8	5.16	0.10-0.40	0.80-3.50		
	080412-HA																					8.2	12.7	4.76	1.2	5.16	0.13-0.55	0.80-3.50		
 Medium to finishing	060404-HC																				6.2	9.525	4.76	0.4	3.81	0.05-0.30	0.80-4.00	MWLNRL B112		
	080404-HC																					8.4	12.7	4.76	0.4	5.16	0.05-0.30	0.80-4.00	PWLNRL B130	
	080408-HC		●		●																	8.3	12.7	4.76	0.8	5.16	0.08-0.40	0.80-4.00	WWLNRL B103	
 Roughing	060408-HR																				6.1	9.525	4.76	0.8	3.81	0.20-0.40	1.00-5.50	MWLNRL B112		
	060412-HR																					6.0	9.525	4.76	1.2	3.81	0.25-0.50	1.10-5.50	PWLNRL B130	
	080408-HR	●		●																		8.3	12.7	4.76	0.8	5.16	0.20-0.50	1.00-7.00	WWLNRL B103	
	080412-HR	●		●																		8.2	12.7	4.76	1.2	5.16	0.25-0.65	1.30-7.00		
	080416-HR																					8.1	12.7	4.76	1.6	5.16	0.32-0.70	1.80-7.00		