













● :Continuous Cutting   ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet					
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301		
Finishing		DNMG110404-PF	0.4	●	●																			
		DNMG110408-PF	0.8	●	●																			
		DNMG150404-PF	0.4	●	●																			
		DNMG150408-PF	0.8	●	●																			
		DNMG150604-PF	0.4	●	●																			
		DNMG150608-PF	0.8	●	●																			
		DNMG150604-GF	0.4						●															
		DNMG150608-GF	0.8						●															
			DNMG150404-TF	0.4						●														
			DNMG150604-TF	0.4						●														
		Medium Cutting		DNMG110404-PM	0.4	●	●																	
				DNMG110408-PM	0.8	●	●																	
DNMG110412-PM	1.2			●	●																			
DNMG150404-PM	0.4			●	●																			
DNMG150408-PM	0.8			●	●																			
DNMG150412-PM	1.2			●	●																			
DNMG150604-PM	0.4			●	●																			
DNMG150608-PM	0.8			●	●																			
	DNMG110404-QM		0.4						●															
	DNMG110408-QM		0.8						●															
	DNMG150404-QM		0.4						●															
	DNMG150408-QM		0.8						●															
	DNMG150604-QM		0.4						●															
	DNMG150608-QM		0.8						●															
	DNMG150612-QM		1.2						●															
			DNMG110404-SF	0.4									●	○										
DNMG110408-SF			0.8									●	○											
DNMG150404-SF			0.4									●	○											
DNMG150408-SF			0.8									●	○											
DNMG150604-SF			0.4									●	○											
DNMG150608-SF			0.8									●	○											

● In Stock   ○ Inquiry Each Time

External Toolholders:A135,A148  
Internal Toolholders:A160,A168

Insert
External Toolholder
Internal Toolholder
PSC Toolholder
Threading
Parting, Grooving
Miniature Tool
















● :Continuous Cutting   ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet									
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301						
				Heavy Cutting		SNMG120408-LR	0.8																					
SNMG120412-LR	1.2							●	●																			
SNMG150608-LR	0.8							●	●																			
SNMG150612-LR	1.2							●	●																			
SNMG190612-LR	1.2							●	●																			
SNMG190616-LR	1.6							●	●																			
	SNMG120408-KR	0.8												●	●													
	SNMG120412-KR	1.2												●	●													
	SNMG120416-KR	1.6												●	●													
	SNMG150612-KR	1.2												●	●													
	SNMG150616-KR	1.6												●	●													
	SNMG190612-KR	1.2												●	●													
	SNMG190616-KR	1.6												●	●													
	SNMG190616-KR	1.6												●	●													

● In Stock   ○ Inquiry Each Time

External Toolholders: A135, A148, A155  
Internal Toolholders: A160

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet									
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301						
				Finishing		TNMG160404-PF	0.4	●	●																			
TNMG160408-PF	0.8	●	●																									
TNMG220404-PF	0.4	●	●																									
TNMG220408-PF	0.8	●	●																									
	TNMG160404-GF	0.4												●														
	TNMG160408-GF	0.8												●														
	TNMG160404-TF	0.4												●														

● In Stock   ○ Inquiry Each Time

External Toolholders: A137, A149  
Internal Toolholders: A161, A168



● :Continuous Cutting   ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated												No Coated	Cermet	Coated Cermet				
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
Medium Cutting		TNMA110304	0.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		TNMA110308	0.8					●	●	●					●	●						
		TNMA160308	0.8																			
		TNMA160404	0.4																			
		TNMA160408	0.8																			
		TNMA160412	1.2																			
		TNMA160416	1.6																			
		TNMA220404	0.4																			
		TNMA220408	0.8																			
		TNMA220412	1.2																			
	TNMA220416	1.6																				
		TNMG160404-US	0.4																			
		TNMG160408-US	0.8																			
		TNMG160404-UG	0.4																			
		TNMG160408-UG	0.8																			
		TNMG160404R/L-C	0.4																			●
		TNMG160408R/L-C	0.8																			●
		TNMG160404-PU	0.4																			●
		TNMG160408-PU	0.8																			●
		TNMG160404-TQ	0.4																			●
TNMG160408-TQ		0.8																			●	
	TNGG160401R/L-25UL	0.1																			●	
	TNGG160402R/L-25UL	0.2																			●	
	TNGG160404R/L-25UL	0.4																			●	
	TNGG160402R/L-24UL	0.2																			●	
	TNGG160404R/L-24UL	0.4																			●	
	TNGG160401R/L-15D	0.1																			●	
	TNGG160402R/L-15D	0.2																			●	
	TNGG160404R/L-15D	0.4																			●	
	TNGG160408R/L-15D	0.8																			●	
	TNGG160402R/L-15M	0.2																			●	
	TNGG160404R/L-15M	0.4																			●	
	TNGG160408R/L-15M	0.8																			●	

● In Stock   ○ Inquiry Each Time

External Toolholders:A137,A149  
Internal Toolholders:A161,A168

● : Continuous Cutting ● : Light Interrupted Cutting

Application		Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermets		Coated Cermets																									
					TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301																							
Heavy Cutting		TNMG160408-PR	0.8	○	●																																									
		TNMG160412-PR	1.2	○	●																																									
		TNMG220408-PR	0.8	○	●																																									
		TNMG220412-PR	1.2	○	●																																									
		TNMG220416-PR	1.6	○	●																																									
		TNMG160408-LR	0.8					●	●																																					
		TNMG160412-LR	1.2					●	●																																					
		TNMG220408-LR	0.8					○	●																																					
		TNMG160408-KR	0.8											●	●																															
		TNMG160412-KR	1.2											●	●																															
		TNMG220408-KR	0.8											●	●																															
		TNMG220412-KR	1.2											●	●																															
			TNMG220416-KR	1.6										●	●																															

● In Stock ○ Inquiry Each Time

External Toolholders: A137, A149  
Internal Toolholders: A161, A168

● : Continuous Cutting ● : Light Interrupted Cutting

Application		Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermets		Coated Cermets																										
					TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301																								
Finishing		VNMG160402-PF	0.2	○	●																																										
		VNMG160404-PF	0.4	●	●																																										
		VNMG160408-PF	0.8	●	●																																										
		VNMG220404-PF	0.4	●	●																																										
		VNMG220408-PF	0.8	●	●																																										
		VNMG160404-TF	0.4																																												
	Medium Cutting		VNMG160404-PM	0.4	●	●																																									
VNMG160408-PM			0.8	●	●																																										
VNMG160412-PM			1.2	●	●																																										

● In Stock ○ Inquiry Each Time

External Toolholders: A138, A149  
Internal Toolholders: A161, A169

Insert

External Toolholder

Internal Toolholder








PSC Toolholder

Threading

Parting, Grooving

Miniature Tool

● :Continuous Cutting ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated														No Coated	Cermet	Coated Cermet		
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
External Toolholder		VNMG160404-FM 0.4			●	●											●	●	●	●	●	●
		VNMG160408-FM 0.8			●	●																
Internal Toolholder		VNMG160404-QM 0.4						●														
		VNMG160408-QM 0.8							●													
PSC Toolholder		VNMG160404-GM 0.4				●	●															
		VNMG160408-GM 0.8				●	●															
Threading		VNMG160404-MK 0.4							●	●												
		VNMG160408-MK 0.8							●	●												
Parting, Grooving		VNMG160412-MK 1.2							●	●												
		VNMG160404-UG 0.4												○								
Miniature Tool		VNMG160408-UG 0.8												○								
		VNMG160404-PU 0.4																		●		
Miniature Tool		VNMG160408-PU 0.8																		●		
		VNMG160412-KR 1.2																				

● In Stock ○ Inquiry Each Time

External Toolholders:A138,A149  
Internal Toolholders:A161,A169

● :Continuous Cutting ○ :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet							
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ115	TJ20U	TN320	TC580	TC230	GT601	GT301				
Finishing		WNMG060404-PF 0.4	●	●																						
		WNMG060408-PF 0.8	●	●																						
		WNMG080404-PF 0.4	●	●																						
		WNMG080408-PF 0.8	●	●																						
		WNMG060408-GF 0.8							●																	
		WNMG080404-GF 0.4							●																	
		WNMG080408-GF 0.8							●																	
		WNMG060404-TF 0.4							●																	
	Medium Cutting		WNMG060404-PM 0.4	●	●																					
			WNMG060408-PM 0.8	●	●																					
			WNMG060412-PM 1.2	●	●																					
			WNMG080404-PM 0.4	●	●																					
WNMG080408-PM 0.8			●	●																						
WNMG080412-PM 1.2			●	●																						
		WNMG080416-PM 1.6	●	●																						
		WNMG080404-FM 0.4			●	●																				
		WNMG080408-FM 0.8			●	●																				
		WNMG080412-FM 1.2			●	●																				
			WNMG060408-QM 0.8							●																
			WNMG060412-QM 1.2							●																
WNMG080404-QM 0.4									●																	
WNMG080408-QM 0.8									●																	
		WNMG060404-SF 0.4											●	○												
		WNMG060408-SF 0.8											●	○												
		WNMG080404-SF 0.4											●	○												
		WNMG080408-SF 0.8											●	○												
		WNMG060404-GM 0.4						●	●																	
		WNMG060408-GM 0.8						●	●																	
		WNMG060412-GM 1.2						●	●																	
		WNMG080404-GM 0.4						●	●																	
		WNMG080408-GM 0.8						●	●																	
		WNMG080412-GM 1.2						●	●																	
	WNMG060404-MP 0.4						○	●																		
	WNMG060408-MP 0.8						●	●																		
	WNMG060412-MP 1.2						●	●																		
	WNMG080404-MP 0.4						●	●																		
	WNMG080408-MP 0.8						●	●																		
	WNMG080412-MP 1.2						●	●																		

● In Stock ○ Inquiry Each Time

External Toolholders:A139,A150  
Internal Toolholders:A161,A169

Insert

External Toolholder

Internal Toolholder

PSC Toolholder

Threading

Parting, Grooving

Miniature Tool

● :Continuous Cutting   ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet			
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
Medium Cutting		WNMG080404-MK	0.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		WNMG080408-MK	0.8																			
		WNMG080412-MK	1.2																			
		WNMA060404	0.4																			
		WNMA060408	0.8																			
		WNMA080404	0.4																			
		WNMA080408	0.8																			
		WNMA080412	1.2																			
		WNMA080416	1.6																			
		WNMG080404-US	0.4													○						
		WNMG080408-US	0.8													○						
		WNMG080404-UG	0.4													○						
		WNMG080408-UG	0.8													○						
		WNMG080404-PU	0.4																			●
		WNMG080408-PU	0.8																			●
		WNMG080412-PU	1.2																			●
		WNMG080404-TQ	0.4																			●
		WNMG080408-TQ	0.8																			●
	Heavy Cutting		WNMG080408-PR	0.8	●	●																
			WNMG080412-PR	1.2	●	●																
WNMG080416-PR			1.6	●	●																	
		WNMG080408-LR	0.8				●	●														
		WNMG080412-LR	1.2				●	●														
		WNMG080408-KR	0.8																			●
	WNMG080412-KR	1.2																			●	








● In Stock   ○ Inquiry Each Time

External Toolholders:A139,A150  
Internal Toolholders:A161,A169





● :Continuous Cutting    ● :Light Interrupted Cutting










Application	Chipbreaker	Designation	Corner Radius	Coated												No Coated	Cermet	Coated Cermet					
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301	
Finishing to Medium Cutting		CCGT0602005R/L-13U	0.05	●	●	●	●										●	●	●	●	●	●	
		CCGT060201R/L-13U	0.1					●	●									●	●				
		CCGT060202R/L-13U	0.2							●	●									●	●	●	●
		CCGT060204R/L-13U	0.4																				
		CCGT09T301R/L-15V	0.1															●					
		CCGT09T302R/L-15V	0.2																●				
		CCGT09T304R/L-15V	0.4																●				
		CCGT09T3003R/L-15U	0.03														○						
		CCGT09T3005R/L-15U	0.05															●					
		CCGT09T301R/L-15U	0.1															●					
		CCGT09T302R/L-15U	0.2																●				
		CCGT09T304R/L-15U	0.4																●				
		CCGT060201R/L-12U	0.1																	●			
		CCGT060202R/L-12U	0.2																	●			
		CCGT060204R/L-12U	0.4																	●			
		CCGT09T301R/L-15U	0.1																	●			
		CCGT09T302R/L-15U	0.2																	●			
		CCGT09T304R/L-15U	0.4																	●			
		CCGT09T302-AL	0.2																	●			
		CCGT09T304-AL	0.4																	●			
		CCGT09T308-AL	0.8																	●			
		CCGT120402-AL	0.2																	●			
		CCGT120404-AL	0.4																	●			
		CCGT120408-AL	0.8																	●			

● In Stock    ○ Inquiry Each Time

External Toolholders:A140,A146,A151  
Internal Toolholders:A162,A170



● :Continuous Cutting   ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet			
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
Finishing to Medium Cutting		DCGT070201R/L-12U	0.1	●	●	●	●									●	●	●	●	●	●	
		DCGT070202R/L-12U	0.2														●					
		DCGT070204R/L-12U	0.4														●					
		DCGT11T3005R/L-15U	0.05																			
		DCGT11T301R/L-15U	0.1														●					
		DCGT11T302R/L-15U	0.2														●					
		DCGT11T304R/L-15U	0.4														●					
		DCGT11T3005R/L-16X	0.05																			
		DCGT11T301R/L-16X	0.1														●					
		DCGT11T302R/L-16X	0.2														●					
		DCGT11T304R/L-16X	0.4														●					
		DCGT070201R/L-12U	0.1																●			
		DCGT070202R/L-12U	0.2																●			
		DCGT070204R/L-12U	0.4																●			
		DCGT0702005R/L-15V	0.05																	●		
		DCGT070201R/L-15V	0.1																	●		
		DCGT070202R/L-15V	0.2																	●		
		DCGT070204R/L-15V	0.4																	●		
		DCGT11T302R/L-15V	0.2																	●		
		DCGT11T304R/L-15V	0.4																	●		
		DCGT070201R/L-15M	0.1																	●		
		DCGT070202R/L-15M	0.2																	●		
		DCGT070204R/L-15M	0.4																	●		
		DCGT11T301R/L-15M	0.1																	●		
		DCGT11T302R/L-15M	0.2																	●		
		DCGT11T304R/L-15M	0.4																	●		
		DCGT11T3005R/L-15U	0.05																	●		
		DCGT11T301R/L-15U	0.1																	●		
		DCGT11T302R/L-15U	0.2																	●		
		DCGT11T304R/L-15U	0.4																	●		
DCGT070204-AL		0.4																	●			
DCGT070208-AL		0.8																	●			
DCGT11T302-AL		0.2																	●			
DCGT11T304-AL		0.4																	●			
DCGT11T308-AL		0.8																	●			
DCGT11T312-AL		1.2																	●			

● In Stock   ○ Inquiry Each Time

External Toolholders:A140,A146,A151  
Internal Toolholders:A162,A170

● :Continuous Cutting    ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated														No Coated	Cermet	Coated Cermet		
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
				● :Continuous Cutting    ● :Light Interrupted Cutting																		
Finishing to Medium Cutting		SCMT09T304-PS	0.4	●	●																	
		SCMT09T308-PS	0.8	●	●																	
		SCMT120404-PS	0.4	●	●																	
		SCMT120408-PS	0.8	●	●																	
		SCMT09T308-MM	0.8					●	●													
		SCMT09T308-KS	0.8							●	●											
		SCMT120408-KS	0.8							●	●											
		SCMT120412-KS	1.2							●	●											
		SCMT09T304-CM	0.4								●											
		SCMT09T308-CM	0.8								●											
		SCMT120404-CM	0.4								●											
		SCMT120408-CM	0.8								●											
	SCMT120412-CM	1.2								●												

● In Stock    ○ Inquiry Each Time

External Toolholders:A141,A146









Application	Chipbreaker	Designation	Corner Radius	Coated														No Coated	Cermet	Coated Cermet		
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
				● :Continuous Cutting    ● :Light Interrupted Cutting																		
Finishing to Medium Cutting		TCMT090204-PS	0.4	●	●																	
		TCMT110202-PS	0.2	●	●																	
		TCMT110204-PS	0.4	●	●																	
		TCMT110208-PS	0.8	●	●																	
		TCMT16T304-PS	0.4	●	●																	
		TCMT16T308-PS	0.8	●	●																	
		TCMT110202-MM	0.2										●	○								
		TCMT110204-MM	0.4										●	○								
		TCMT110208-MM	0.8																			
		TCMT16T304-MM	0.4																			
		TCMT16T308-MM	0.8																			

● In Stock    ○ Inquiry Each Time

External Toolholders:A143,A147  
Internal Toolholders:A164,A172

Insert  
External Toolholder  
Internal Toolholder  
PSC Toolholder  
Threading  
Parting, Grooving  
Miniature Tool




● :Continuous Cutting   ● :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet				
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301	
Finishing to Medium Cutting		TCMT110204-KS	0.4	●	●	●	●										●	●	●	●	●	●	
		TCMT16T304-KS	0.4					●	●									●	●				
		TCMT16T308-KS	0.8							●	●									●	●	●	●
		TCMT090204-CM	0.4						●														
		TCMT090208-CM	0.8						●														
		TCMT110204-CM	0.4						●														
		TCMT110208-CM	0.8						●														
		TCMT16T304-CM	0.4						●														
		TCMT16T308-CM	0.8						●														
		TCMT16T312-CM	1.2						●														
		TCMT110202-UA	0.2															○					
		TCMT110204-UA	0.4															○					
		TCMT110202-UT	0.2															○					
		TCMT110204-UT	0.4															○					
		TCGT0902005R/L-15V	0.05															●					
		TCGT090201R/L-15V	0.1															●					
		TCGT090202R/L-15V	0.2															●					
		TCGT090204R/L-15V	0.4															●					
		TCGT1102005R/L-15V	0.05															●					
		TCGT110201R/L-15V	0.1															●					
		TCGT110202R/L-15V	0.2															●					
		TCGT110204R/L-15V	0.4															●					
		TCGT110301R/L-10U	0.1																	●			
		TCGT110302R/L-10U	0.2																	●			
		TCGT090204-AL	0.4																●				
		TCGT110204-AL	0.4																●				
		TCGT16T302-AL	0.2																●				
		TCGT16T304-AL	0.4																●				
TCGT16T308-AL		0.8																●					

● In Stock   ○ Inquiry Each Time


External Toolholders: A143,A147  
Internal Toolholders: A164,A172

● :Continuous Cutting    ◐ :Light Interrupted Cutting

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet				
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301	
				Finishing to Medium Cutting		TPMT110202-MM	0.2	●	◐	●	◐			◐							●	●	●
TPMT110204-MM	0.4							◐	●				●	◐									
	TPGH080202R/L-15K	0.2																●					
	TPGH080204R/L-15K	0.4																●					
	TPGH090201R/L-15K	0.1													●								
	TPGH090202R/L-15K	0.2													●								
	TPGH090204R/L-15K	0.4													●								
	TPGH110302R/L-15K	0.2													●								
	TPGH110304R/L-15K	0.4													●								
	TPGH080201R/L-15K	0.1																●					
	TPGH080202R/L-15K	0.2																●					
	TPGH080204R/L-15K	0.4																●					
	TPGH090201R/L-15K	0.1																●					
	TPGH090202R/L-15K	0.2																●					
	TPGH090204R/L-15K	0.4																●					
	TPGH110302R/L-15K	0.2																●					
	TPGH110304R/L-15K	0.4																●					
TPGH110202R/L-15K	0.2																●						
TPGH110204R/L-15K	0.4																●						

● In Stock    ◐ Inquiry Each Time

Internal Toolholders:A165,A172

Application	Chipbreaker	Designation	Corner Radius	Coated													No Coated	Cermet	Coated Cermet			
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301
				Medium Cutting		VBMT160404-PS	0.4	●	●													
VBMT160408-PS	0.8	●	●																			●
VBMT160412-PS	1.2	●	●																			

● In Stock    ◐ Inquiry Each Time

External Toolholders:A143,A147,A152  
Internal Toolholders:A166,A173

Insert  
External Toolholder  
Internal Toolholder  
PSC Toolholder  
Threading  
Parting, Grooving  
Miniature Tool

Insert
External Toolholder
Internal Toolholder
PSC Toolholder
Threading
Parting , Grooving
Miniature Tool

Application	Chipbreaker	Designation	Corner Radius	Coated												No Coated	Cermet		Coated Cermet				
				TP710	TP720	TP7110	TP7220	TM8110	TM8220	TG4120	TK910	TK920	TMS3115	TMS3125	TH510	TJ15	TJ20U	TN320	TC580	TC230	GT601	GT301	
Finishing to Medium Cutting		VBMT110304-MM	0.4					●	●										●	●	●	●	
		VBMT110308-MM	0.8					○	●														
		VBMT160402-MM	0.2					●	●														
		VBMT160404-MM	0.4					●	●											●	●	●	●
		VBMT160408-MM	0.8					●	●											●	●	●	●
		VBMT160408-KS	0.8							●	●												
		VBMT110304-CM	0.4							●													
		VBMT160404-CM	0.4							●													
		VBMT160408-CM	0.8							●													
		VBMT160412-CM	1.2							●													
		VBGT1103005R/L-15V	0.05													●							
		VBGT110301R/L-15V	0.1													●							
		VBGT110302R/L-15V	0.2													●							
		VBGT110304R/L-15V	0.4													●							
		VBGT1103005R/L-14VI	0.05													●							
		VBGT110301R/L-14VI	0.1													●							
		VBGT110302R/L-14VI	0.2													●							
		VBGT110304R/L-14VI	0.4													●							
		VBGT1103003R/L-12U	0.03													○							
		VBGT1103005R/L-12U	0.05													●							
		VBGT110301R/L-12U	0.1													●							
		VBGT110302R/L-12U	0.2													●							
		VBGT110304R/L-12U	0.4													●							
		VBGT1103005R/L-14VI	0.05																	●			
		VBGT110301R/L-14VI	0.1																	●			
		VBGT110302R/L-14VI	0.2																	●			
		VBGT110304R/L-14VI	0.4																	●			
		VBGT1103005R/L-15M	0.05																	●			
		VBGT110301R/L-15M	0.1																	●			
		VBGT110302R/L-15M	0.2																	●			
		VBGT110304R/L-15M	0.4																	●			
		VBGT110302-AL	0.2																	●			
		VBGT110304-AL	0.4																	●			
		VBGT160402-AL	0.2																	●			
	VBGT160404-AL	0.4																	●				

● In Stock   ○ Inquiry Each Time

External Toolholders: A143, A147, A152  
Internal Toolholders: A166, A173







