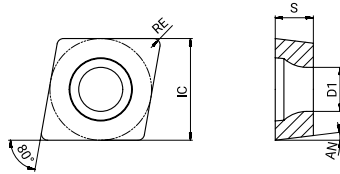


Positive 80° (C)

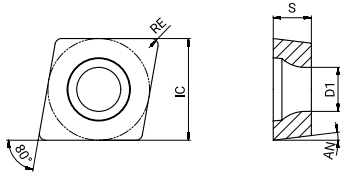


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
CC_2(1.5)_	1/4	3/32	0.110	7°
CC_3(2.5)_	3/8	5/32	0.173	7°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition																ISO				
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖	◐	●							
				Recommended parameters		P					M			K			N	S								
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S							
Finishing		CCGT 2(1.5)03FP-LF	<0.004	0.002-0.008	0.014-0.118										●										CCGT 060201FP-LF	
		CCGT 2(1.5)05FP-LF	0.008	0.002-0.008	0.014-0.118											●										CCGT 060202FP-LF
		CCGT 2(1.5)1FP-LF	1/64	0.002-0.008	0.014-0.118											●										CCGT 060204FP-LF
		CCGT 3(2.5)03FP-LF	<0.004	0.002-0.008	0.014-0.118											●										CCGT 09T301FP-LF
		CCGT 3(2.5)05FP-LF	0.008	0.002-0.008	0.014-0.118											●										CCGT 09T302FP-LF
		CCGT 3(2.5)1FP-LF	1/64	0.002-0.008	0.014-0.118											●										CCGT 09T304FP-LF
		CCGT 2(1.5)03FP-UF	0.004	0.001-0.006	0.004-0.055											●										CCGT 060201FP-UF
		CCGT 2(1.5)05FP-UF	0.008	0.001-0.006	0.004-0.055											●										CCGT 060202FP-UF
		CCGT 2(1.5)1FP-UF	1/64	0.001-0.008	0.004-0.055											●										CCGT 060204FP-UF
		CCGT 3(2.5)03FP-UF	0.004	0.001-0.006	0.004-0.094											●										CCGT 09T301FP-UF
		CCGT 3(2.5)05FP-UF	0.008	0.001-0.006	0.004-0.094											●										CCGT 09T302FP-UF
		CCGT 3(2.5)1FP-UF	1/64	0.001-0.008	0.004-0.094											●										CCGT 09T304FP-UF
		CCGT 2(1.5)03F-UF	0.004	0.001-0.006	0.004-0.055											●										CCGT 060201F-UF
		CCGT 2(1.5)05F-UF	0.008	0.001-0.006	0.004-0.055											●										CCGT 060202F-UF
		CCGT 2(1.5)1F-UF	1/64	0.001-0.008	0.004-0.055											●										CCGT 060204F-UF
		CCGT 3(2.5)03F-UF	0.004	0.001-0.006	0.004-0.094											●										CCGT 09T301F-UF
		CCGT 3(2.5)05F-UF	0.008	0.001-0.006	0.004-0.094											●										CCGT 09T302F-UF
		CCGT 3(2.5)1F-UF	1/64	0.001-0.008	0.004-0.094											●										CCGT 09T304F-UF
		CCGT 3(2.5)2F-UF	1/32	0.001-0.010	0.004-0.094											●										CCGT 09T308F-UF
		CCGT 2(1.5)03-UF	0.004	0.001-0.006	0.004-0.055											●							●			CCGT 060201E-UF
		CCGT 2(1.5)05-UF	0.008	0.001-0.006	0.004-0.055											●							●			CCGT 060202E-UF
		CCGT 2(1.5)1-UF	1/64	0.001-0.008	0.004-0.055											●							●			CCGT 060204E-UF
		CCGT 3(2.5)03-UF	0.004	0.001-0.006	0.004-0.094											●							●			CCGT 09T301E-UF
		CCGT 3(2.5)05-UF	0.008	0.001-0.006	0.004-0.094											●							●			CCGT 09T302E-UF
		CCGT 3(2.5)1-UF	1/64	0.001-0.008	0.004-0.094											●							●			CCGT 09T304E-UF
		CCGT 3(2.5)2-UF	1/32	0.001-0.010	0.004-0.094											●							●			CCGT 09T308E-UF

●: Stock available

Positive 80° (C)

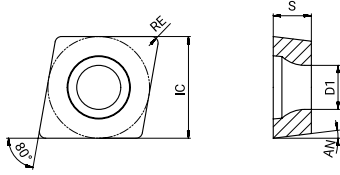


Product code	Dimension (in)			Clearance Angle(°)
	IC	S	D1	AN
CC_2(1.5)_	1/4	3/32	0.110	7°
CC_3(2.5)_	3/8	5/32	0.173	7°
CC_43_	1/2	3/16	0.217	7°
CP_2.5(1.5)_	5/16	3/32	0.134	11°
CP_32_	3/8	1/8	0.173	11°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition																ISO
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖	◐	●			
				Recommended parameters		P					M				K		N	S				
f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S							
Semi-Finishing		CCGT 2(1.5)1F-NC2	1/64	0.002-0.008	0.013-0.114											●	CCGT 060204F-NC2					
		CCGT 3(2.5)05F-NC2	0.008	0.001-0.004	0.006-0.173											●	CCGT 09T302F-NC2					
		CCGT 3(2.5)1F-NC2	1/64	0.002-0.008	0.013-0.173											●	CCGT 09T304F-NC2					
		CCGT 3(2.5)2F-NC2	1/32	0.004-0.016	0.025-0.173											●	CCGT 09T308F-NC2					
		CCGT 431F-NC2	1/64	0.002-0.008	0.013-0.228											●	CCGT 120404F-NC2					
		CCGT 432F-NC2	1/32	0.004-0.016	0.025-0.228											●	CCGT 120408F-NC2					
Finishing		CCMT 2(1.5)05-F1T	0.008	0.002-0.006	0.012-0.059	●											CCMT 060202-F1T					
		CCMT 2(1.5)1-F1T	1/64	0.002-0.006	0.012-0.059	●											CCMT 060204-F1T					
		CCMT 2(1.5)05-PB1	0.008	0.001-0.003	0.006-0.063	●		●	●		●	●	●					CCMT 060202E-PB1				
		CCMT 2(1.5)1-PB1	1/64	0.002-0.006	0.012-0.063	●		●	●		●	●	●					CCMT 060204E-PB1				
		CCMT 2(1.5)2-PB1	1/32	0.004-0.011	0.024-0.063	●		●	●		●	●	●					CCMT 060208E-PB1				
		CCMT 3(2.5)05-PB1	0.008	0.001-0.003	0.006-0.094	●		●	●		●	●	●					CCMT 09T302E-PB1				
		CCMT 3(2.5)1-PB1	1/64	0.002-0.006	0.012-0.094	●		●	●		●	●	●			●		CCMT 09T304E-PB1				
		CCMT 3(2.5)2-PB1	1/32	0.004-0.011	0.024-0.094	●		●	●		●	●	●					CCMT 09T308E-PB1				
		CPMT 2.5(1.5)05-PB1	0.008	0.001-0.003	0.006-0.079	●												CPMT 080202E-PB1				
		CPMT 2.5(1.5)1-PB1	1/64	0.002-0.006	0.012-0.079	●												CPMT 080204E-PB1				
		CPMT 3(2)05-PB1	0.008	0.001-0.003	0.006-0.094	●												CPMT 090302E-PB1				
		CPMT 321-PB1	1/64	0.002-0.006	0.012-0.094	●			●									CPMT 090304E-PB1				
		CPMT 322-PB1	1/32	0.004-0.011	0.024-0.094	●			●									CPMT 090308E-PB1				
Semi-Finishing		CCMT 2(1.5)1-PC2	1/64	0.002-0.006	0.014-0.075	●		●	●		●	●	●			●	CCMT 060204E-PC2					
		CCMT 2(1.5)2-PC2	1/32	0.004-0.013	0.028-0.075	●		●	●		●	●	●			●	CCMT 060208E-PC2					
		CCMT 3(2.5)1-PC2	1/64	0.002-0.006	0.014-0.114	●	●	●	●		●	●	●			●	CCMT 09T304E-PC2					
		CCMT 3(2.5)2-PC2	1/32	0.004-0.013	0.028-0.114	●	●	●	●		●	●	●			●	CCMT 09T308E-PC2					
		CCMT 3(2.5)3-PC2	3/64	0.006-0.019	0.041-0.114		●	●	●		●	●	●				CCMT 09T312E-PC2					
		CCMT 431-PC2	1/64	0.002-0.006	0.014-0.154	●		●	●		●	●	●			●	CCMT 120404E-PC2					
		CCMT 432-PC2	1/32	0.004-0.013	0.028-0.154	●		●	●		●	●	●			●	CCMT 120408E-PC2					
		CCMT 433-PC2	3/64	0.006-0.019	0.041-0.154	●		●	●		●	●	●			●	CCMT 120412E-PC2					
		CPMT 321-PC2	1/64	0.002-0.006	0.014-0.114	●											CPMT 090304E-PC2					
		CPMT 322-PC2	1/32	0.004-0.013	0.028-0.114	●											CPMT 090308E-PC2					

●: Stock available

Positive 80° (C)

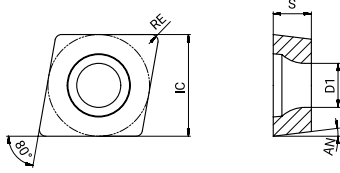


Product code	Dimension (in)			Clearance Angle(°)
	IC	S	D1	AN
CC_1.2(1)_	0.138	0.055	0.079	7°
CC_2(1.5)_	1/4	3/32	0.110	7°
CC_3(2.5)_	3/8	5/32	0.173	7°
CC_43_	1/2	3/16	0.217	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition														ISO
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖	◐	●	
				Recommended parameters		P					M				K		N	S		
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Semi-Finishing		CCMT 3(2.5)1-M2T	1/64	0.004-0.010	0.028-0.138	●													CPMT 09T304-M2T	
		CCMT 3(2.5)2-M2T	1/32	0.004-0.010	0.028-0.138	●													CPMT 09T308-M2T	
		CCMT 2(1.5)1-KC2	1/64	0.002-0.007	0.016-0.083	●		●	●	●	●	●			●	●		●	CCMT 060204E-KC2	
		CCMT 2(1.5)2-KC2	1/32	0.005-0.014	0.031-0.083	●		●	●	●	●	●			●	●			CCMT 060208E-KC2	
		CCMT 3(2.5)1-KC2	1/64	0.002-0.007	0.016-0.126	●		●	●	●	●	●		●	●	●			CCMT 09T304E-KC2	
		CCMT 3(2.5)2-KC2	1/32	0.005-0.014	0.031-0.126	●		●	●	●	●	●		●	●	●			CCMT 09T308E-KC2	
		CCMT 431-KC2	1/64	0.002-0.007	0.016-0.169	●		●	●	●	●	●		●	●	●			CCMT 120404E-KC2	
CCMT 432-KC2		1/32	0.005-0.014	0.031-0.169	●		●	●	●	●	●		●	●	●			CCMT 120408E-KC2		
CCMT 433-KC2	3/64	0.007-0.021	0.047-0.169	●		●	●	●	●	●		●	●	●			CCMT 120412E-KC2			
Roughing		CCMW 2(1.5)1-KD5	1/64	0.004-0.009	0.016-0.126										●	●		CCMW 060204E-KD5		
		CCMW 3(2.5)1-KD5	1/64	0.004-0.009	0.016-0.189										●	●		CCMW 09T304E-KD5		
		CCMW 3(2.5)2-KD5	1/32	0.008-0.017	0.031-0.189										●	●		CCMW 09T308E-KD5		
		CCMW 431-KD5	1/64	0.004-0.009	0.016-0.252										●	●		CCMW 120404E-KD5		
		CCMW 432-KD5	1/32	0.008-0.017	0.031-0.252										●	●		CCMW 120408E-KD5		
		CCMW 433-KD5	3/64	0.012-0.026	0.047-0.252										●	●		CCMW 120412E-KD5		
Finishing		CCET 1.2(1)01FR-F	<0.03	0.0004-0.002	0.004-0.012									●				CCET 0301003FR-F		
		CCET 1.2(1)01FL-F	<0.001	0.0004-0.002	0.004-0.012									●				CCET 0301003FL-F		
		CCET 1.2(1)013FR-F	<0.002	0.0004-0.002	0.004-0.012									●				CCET 0301005FR-F		
		CCET 1.2(1)013FL-F	<0.002	0.0004-0.002	0.004-0.012									●				CCET 0301005FL-F		
		CCET 1.2(1)03FR-F	<0.004	0.0004-0.002	0.004-0.012									●				CCET 030101FR-F		
		CCET 1.2(1)03FL-F	<0.004	0.0004-0.002	0.004-0.012									●				CCET 030101FL-F		
		CCET 1.2(1)05FR-F	<0.008	0.0004-0.002	0.004-0.012									●				CCET 030102FR-F		
		CCET 1.2(1)05FL-F	<0.008	0.0004-0.002	0.004-0.012									●				CCET 030102FL-F		
		CCET 1.2(1)1FR-F	<1/64	0.0004-0.002	0.004-0.012									●				CCET 030104FR-F		
		CCET 1.2(1)1FL-F	<1/64	0.0004-0.002	0.004-0.012									●				CCET 030104FL-F		

●: Stock available

Positive 80° (C)

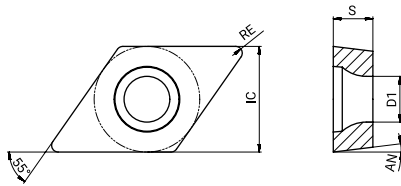


Product code	Dimension (in)			Clearance Angle(°)
	IC	S	D1	AN
CC_1.5(1)_	0.169	0.071	0.091	7°
CC_2(1.5)_	1/4	3/32	0.110	7°
CC_3(2.5)_	3/8	5/32	0.173	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition														ISO
						●	●	●	●	✖	●	●	●	●	●	●	✖	●	●	
				Recommended parameters		P					M				K			N	S	
f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S					
Finishing		CCET 1.5(1)01FR-F	<0.001	0.0004-0.002	0.004-0.016									●					CCET 0401003FR-F	
		CCET 1.5(1)01FL-F	<0.001	0.0004-0.002	0.004-0.016									●					CCET 0401003FL-F	
		CCET 1.5(1)013FR-F	<0.002	0.0004-0.002	0.004-0.016									●					CCET 0401005FR-F	
		CCET 1.5(1)013FL-F	<0.002	0.0004-0.002	0.004-0.016									●					CCET 0401005FL-F	
		CCET 1.5(1)03FR-F	<0.004	0.0004-0.002	0.004-0.016									●					CCET 040101FR-F	
		CCET 1.5(1)03FL-F	<0.004	0.0004-0.002	0.004-0.016									●					CCET 040101FL-F	
		CCET 1.5(1)05FR-F	<0.008	0.0004-0.002	0.004-0.016									●					CCET 040102FR-F	
		CCET 1.5(1)05FL-F	<0.008	0.0004-0.002	0.004-0.016									●					CCET 040102FL-F	
		CCET 1.5(1)1FR-F	<1/64	0.0004-0.002	0.004-0.016									●					CCET 040104FR-F	
		CCET 1.5(1)1FL-F	<1/64	0.0004-0.002	0.004-0.016									●					CCET 040104FL-F	
Low feed		CCET 2(1)01FR-M	<0.001	0.001-0.004	0.02-0.098									●					CCET 0602003FR-M	
		CCET 2(1)01FL-M	<0.001	0.001-0.004	0.02-0.098									●					CCET 0602003FL-M	
		CCET 2(1)03FR-M	<0.004	0.001-0.004	0.02-0.098									●					CCET 060201FR-M	
		CCET 2(1)03FL-M	<0.004	0.001-0.004	0.02-0.098									●					CCET 060201FL-M	
		CCET 2(1)05FR-M	<0.008	0.001-0.004	0.02-0.098									●					CCET 060202FR-M	
		CCET 2(1)05FL-M	<0.008	0.001-0.004	0.02-0.098									●					CCET 060202FL-M	
		CCET 211FR-M	<1/64	0.0004-0.004	0.02-0.098									●					CCET 060204FR-M	
		CCET 211FL-M	<1/64	0.0004-0.004	0.02-0.098									●					CCET 060204FL-M	
		CCET 3(2.5)01FR-M	<0.001	0.001-0.004	0.02-0.157									●					CCET 09T3003FR-M	
		CCET 3(2.5)01FL-M	<0.001	0.001-0.004	0.02-0.157									●					CCET 09T3003FL-M	
		CCET 3(2.5)013FR-M	<0.002	0.001-0.004	0.02-0.157									●					CCET 09T3005FR-M	
		CCET 3(2.5)013FL-M	<0.002	0.001-0.004	0.02-0.157									●					CCET 09T3005FL-M	
		CCET 3(2.5)03FR-M	<0.004	0.001-0.004	0.02-0.157									●					CCET 09T301FR-M	
		CCET 3(2.5)03FL-M	<0.004	0.001-0.004	0.02-0.157									●					CCET 09T301FL-M	
		CCET 3(2.5)05FR-M	<0.008	0.001-0.004	0.02-0.157									●					CCET 09T302FR-M	
		CCET 3(2.5)05FL-M	<0.008	0.001-0.004	0.02-0.157									●					CCET 09T302FL-M	
		CCET 3(2.5)1FR-M	<1/64	0.001-0.004	0.02-0.157									●					CCET 09T304FR-M	
		CCET 3(2.5)1FL-M	<1/64	0.001-0.004	0.02-0.157									●					CCET 09T304FL-M	

●: Stock available

Positive 55° (D)

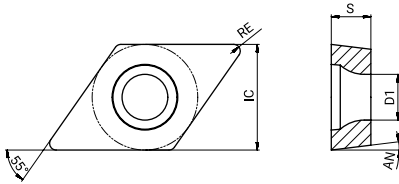


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
DC_2(1.5)_	1/4	3/32	0.110	7°
DC_3(2.5)_	3/8	5/32	0.173	7°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ● Bad condition																ISO
				Recommended parameters		P				M				K				N	S			
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S			
Finishing		DCGT 2(1.5)013FP-LF	<0.002	0.002-0.006	0.014-0.118									●						DCGT 0702005FP-LF		
		DCGT 2(1.5)013FP-LF	<0.004	0.002-0.008	0.014-0.118									●						DCGT 070201FP-LF		
		DCGT 2(1.5)05FP-LF	0.008	0.002-0.008	0.014-0.118									●						DCGT 070202FP-LF		
		DCGT 2(1.5)1FP-LF	1/64	0.002-0.008	0.014-0.118									●						DCGT 070204FP-LF		
		DCGT 3(2.5)03FP-LF	<0.004	0.002-0.008	0.014-0.118									●						DCGT 11T301FP-LF		
		DCGT 3(2.5)05FP-LF	0.008	0.002-0.008	0.014-0.118									●						DCGT 11T302FP-LF		
		DCGT 3(2.5)1FP-LF	1/64	0.002-0.008	0.014-0.118									●						DCGT 11T304FP-LF		
		DCGT 2(1.5)013FP-UF	<0.002	0.001-0.006	0.004-0.055									●						DCGT 0702005FP-UF		
		DCGT 2(1.5)03FP-UF	<0.004	0.001-0.006	0.004-0.055									●						DCGT 070201FP-UF		
		DCGT 2(1.5)05FP-UF	0.008	0.001-0.006	0.004-0.055									●						DCGT 070202FP-UF		
		DCGT 2(1.5)1FP-UF	1/64	0.001-0.008	0.004-0.055									●						DCGT 070204FP-UF		
		DCGT 3(2.5)03FP-UF	<0.004	0.001-0.006	0.004-0.055									●						DCGT 11T301FP-UF		
		DCGT 3(2.5)05FP-UF	0.008	0.001-0.006	0.004-0.055									●						DCGT 11T302FP-UF		
		DCGT 3(2.5)1FP-UF	1/64	0.001-0.008	0.004-0.055									●						DCGT 11T304FP-UF		
		DCGT 2(1.5)013F-UF	<0.002	0.001-0.006	0.004-0.055									●						DCGT 0702005F-UF		
		DCGT 2(1.5)03F-UF	0.004	0.001-0.006	0.004-0.055									●						DCGT 070201F-UF		
		DCGT 2(1.5)05F-UF	0.008	0.001-0.006	0.004-0.055									●						DCGT 070202F-UF		
		DCGT 2(1.5)1F-UF	1/64	0.001-0.008	0.004-0.055									●						DCGT 070204F-UF		
		DCGT 3(2.5)03F-UF	0.004	0.001-0.006	0.004-0.094									●						DCGT 11T301F-UF		
		DCGT 3(2.5)05F-UF	0.008	0.001-0.006	0.004-0.094									●						DCGT 11T302F-UF		
		DCGT 3(2.5)1F-UF	1/64	0.001-0.008	0.004-0.094									●						DCGT 11T304F-UF		
		DCGT 2(1.5)03-UF	0.004	0.001-0.006	0.004-0.055									●				●		DCGT 070201E-UF		
		DCGT 2(1.5)05-UF	0.008	0.001-0.006	0.004-0.055									●				●		DCGT 070202E-UF		
		DCGT 2(1.5)1-UF	1/64	0.001-0.008	0.004-0.055									●				●		DCGT 070204E-UF		
		DCGT 3(2.5)03-UF	0.004	0.001-0.006	0.004-0.094									●				●		DCGT 11T301E-UF		
		DCGT 3(2.5)05-UF	0.008	0.001-0.006	0.004-0.094									●				●		DCGT 11T302E-UF		
		DCGT 3(2.5)1-UF	1/64	0.001-0.008	0.004-0.094									●				●		DCGT 11T304E-UF		

●: Stock available

Positive 55° (D)

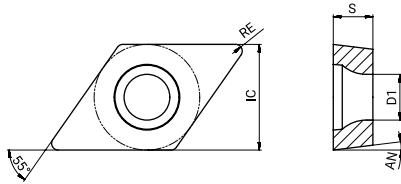


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
DC_2(1.5)_	1/4	3/32	0.110	7°
DC_3(2.5)_	3/8	5/32	0.173	7°

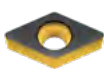
Inserts		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition												ISO	
						●	●	●	●	✖	●	●	●	●	●	✖	●		●
				Recommended parameters		P					M				K		N		S
f (in/rev)		ap (in)		AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S		
Semi-Finishing		DCGT 2(1.5)05F-NC2	0.008	0.001-0.004	0.006-0.138												●	DCGT 070202F-NC2	
		DCGT 2(1.5)1F-NC2	1/64	0.002-0.008	0.013-0.138												●	DCGT 070204F-NC2	
		DCGT 3(2.5)05F-NC2	0.008	0.001-0.004	0.006-0.205												●	DCGT 11T302F-NC2	
		DCGT 3(2.5)1F-NC2	1/64	0.002-0.008	0.013-0.205												●	DCGT 11T304F-NC2	
		DCGT 3(2.5)2F-NC2	1/32	0.004-0.016	0.025-0.205												●	DCGT 11T308F-NC2	
Finishing		DCMT 2(1.5)05-F1T	0.008	0.003-0.008	0.016-0.059	●												DCMT 070202-F1T	
		DCMT 2(1.5)1-F1T	1/64	0.003-0.008	0.016-0.059	●												DCMT 070204-F1T	
		DCMT 3(2.5)05-F1T	0.008	0.003-0.008	0.016-0.059	●												DCMT 11T302-F1T	
		DCMT 3(2.5)1-F1T	1/64	0.004-0.010	0.024-0.059	●												DCMT 11T304-F1T	
		DCMT 3(2.5)2-F1T	1/32	0.004-0.010	0.024-0.059	●												DCMT 11T308-F1T	
		DCMT 2(1.5)05-PB1	0.008	0.001-0.003	0.006-0.059	●		●	●		●	●	●						DCMT 070202E-PB1
		DCMT 2(1.5)1-PB1	1/64	0.002-0.006	0.012-0.059	●		●	●		●	●	●						DCMT 070204E-PB1
		DCMT 3(2.5)05-PB1	0.008	0.001-0.003	0.006-0.091	●		●	●		●	●	●						DCMT 11T302E-PB1
		DCMT 3(2.5)1-PB1	1/64	0.002-0.006	0.012-0.091	●		●	●		●	●	●						DCMT 11T304E-PB1
		DCMT 3(2.5)2-PB1	1/32	0.004-0.011	0.024-0.091	●		●	●		●	●	●						DCMT 11T308E-PB1
Semi-Finishing		DCMT 2(1.5)05-PC2	1/64	0.002-0.006	0.014-0.083	●		●	●		●	●	●					●	DCMT 070204E-PC2
		DCMT 2(1.5)1-PC2	1/32	0.004-0.013	0.028-0.083	●		●	●		●	●	●					●	DCMT 070208E-PC2
		DCMT 3(2.5)05-PC2	1/64	0.002-0.006	0.014-0.122	●	●	●	●		●	●	●					●	DCMT 11T304E-PC2
		DCMT 3(2.5)1-PC2	1/32	0.004-0.013	0.028-0.122	●	●	●	●		●	●	●					●	DCMT 11T308E-PC2
		DCMT 3(2.5)2-PC2	3/64	0.006-0.019	0.041-0.122	●		●	●		●	●	●					●	DCMT 11T312E-PC2
		DCMT 2(1.5)05-M2T	1/64	0.004-0.010	0.020-0.118	●													DCMT 11T304-M2T
		DCMT 2(1.5)1-M2T	1/32	0.004-0.010	0.020-0.118	●													DCMT 11T308-M2T
Medium		DCMT 2(1.5)05-KC2	1/64	0.002-0.007	0.016-0.091	●		●	●	●					●	●		DCMT 070204E-KC2	
		DCMT 2(1.5)1-KC2	1/32	0.005-0.014	0.031-0.091	●		●	●	●					●	●		DCMT 070208E-KC2	
		DCMT 3(2.5)05-KC2	1/64	0.002-0.007	0.016-0.138	●		●	●	●					●	●		DCMT 11T304E-KC2	
		DCMT 3(2.5)1-KC2	1/32	0.005-0.014	0.031-0.138	●	●	●	●	●					●	●	●	DCMT 11T308E-KC2	
		DCMT 3(2.5)2-KC2	3/64	0.007-0.021	0.047-0.138		●	●	●	●					●	●		DCMT 11T312E-KC2	

●: Stock available

Positive 55° (D)

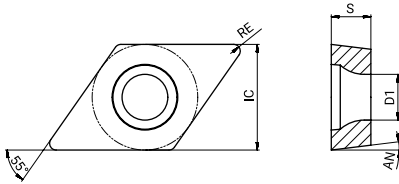


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
DC_2(1.5)_	1/4	3/32	0.110	7°
DC_3(2.5)_	3/8	5/32	0.173	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition														ISO
						● ● ● ◐ ✖ ● ◐ ◐ ◐ ● ● ✖ ◐ ●														
				Recommended parameters		P				M				K		N	S			
						f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	
Roughing		DCMW 2(1.5)05-KD5	1/64	0.002-0.007	0.016-0.154											●	●		DCMW 070204E-KD5	
		DCMW 2(1.5)1-KD5	1/32	0.005-0.014	0.031-0.154											●	●		DCMW 070208E-KD5	
		DCMW 3(2.5)05-KD5	1/64	0.002-0.007	0.016-0.228											●	●		DCMW 11T304E-KD5	
		DCMW 3(2.5)1-KD5	1/32	0.005-0.014	0.031-0.228											●	●		DCMW 11T308E-KD5	
Finishing		DCET 2(1.5)01FR-F	<0.001	0.001-0.007	0.004-0.016									●					DCET 0702003FR-F	
		DCET 2(1.5)01FL-F	<0.001	0.001-0.007	0.004-0.016									●					DCET 0702003FL-F	
		DCET 2(1.5)013FR-F	<0.002	0.001-0.007	0.004-0.016									●					DCET 0702005FR-F	
		DCET 2(1.5)013FL-F	<0.002	0.001-0.007	0.004-0.016									●					DCET 0702005FL-F	
		DCET 2(1.5)03FR-F	<0.004	0.001-0.007	0.004-0.016									●					DCET 070201FR-F	
		DCET 2(1.5)03FL-F	<0.004	0.001-0.007	0.004-0.016									●					DCET 070201FL-F	
		DCET 2(1.5)05FR-F	<0.008	0.001-0.007	0.004-0.016									●					DCET 070202FR-F	
		DCET 2(1.5)05FL-F	<0.008	0.001-0.007	0.004-0.016									●					DCET 070202FL-F	
		DCET 2(1.5)1FR-F	<1/64	0.001-0.007	0.004-0.016									●					DCET 070204FR-F	
		DCET 2(1.5)1FL-F	<1/64	0.001-0.007	0.004-0.016									●					DCET 070204FL-F	
		DCET 3(2.5)01FR-F	<0.001	0.001-0.008	0.004-0.016									●					DCET 11T3003FR-F	
		DCET 3(2.5)01FL-F	<0.001	0.001-0.008	0.004-0.016									●					DCET 11T3003FL-F	
		DCET 3(2.5)013FR-F	<0.002	0.001-0.008	0.004-0.016									●					DCET 11T3005FR-F	
		DCET 3(2.5)013FL-F	<0.002	0.001-0.008	0.004-0.016									●					DCET 11T3005FL-F	
		DCET 3(2.5)03FR-F	<0.004	0.001-0.008	0.004-0.016									●					DCET 11T301FR-F	
		DCET 3(2.5)03FL-F	<0.004	0.001-0.008	0.004-0.016									●					DCET 11T301FL-F	
		DCET 3(2.5)05FR-F	<0.008	0.001-0.008	0.004-0.016									●					DCET 11T302FR-F	
		DCET 3(2.5)05FL-F	<0.008	0.001-0.008	0.004-0.016									●					DCET 11T302FL-F	
		DCET 3(2.5)1FR-F	<1/64	0.001-0.008	0.004-0.016									●					DCET 11T304FR-F	
		DCET 3(2.5)1FL-F	<1/64	0.001-0.008	0.004-0.016									●					DCET 11T304FL-F	

●: Stock available

Positive 55° (D)

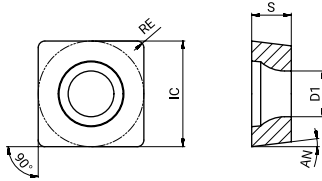


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
DC_2(1.5)_	1/4	3/32	0.110	7°
DC_3(2.5)_	3/8	5/32	0.173	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition												ISO	
						● ● ● ✖ ✖ ● ✖ ✖ ✖ ● ● ✖ ✖ ●													
				Recommended parameters		P				M				K		N	S		
						f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K		AC102K
Low feed		DCET 2(1.5)01FR-M	<0.001	0.0004-0.003	0.020-0.110									●					DCET 0702003FR-M
		DCET 2(1.5)01FL-M	<0.001	0.0004-0.003	0.020-0.110									●					DCET 0702003FL-M
		DCET 2(1.5)013FR-M	<0.002	0.0004-0.003	0.020-0.110									●					DCET 0702005FR-M
		DCET 2(1.5)013FL-M	<0.002	0.0004-0.003	0.020-0.110									●					DCET 0702005FL-M
		DCET 2(1.5)03FR-M	<0.004	0.0004-0.003	0.020-0.110									●					DCET 070201FR-M
		DCET 2(1.5)03FL-M	<0.004	0.0004-0.003	0.020-0.110									●					DCET 070201FL-M
		DCET 2(1.5)05FR-M	<0.008	0.0004-0.003	0.020-0.110									●					DCET 070202FR-M
		DCET 2(1.5)05FL-M	<0.008	0.0004-0.003	0.020-0.110									●					DCET 070202FL-M
		DCET 2(1.5)1FR-M	<1/64	0.0004-0.003	0.020-0.110									●					DCET 070204FR-M
		DCET 2(1.5)1FL-M	<1/64	0.0004-0.003	0.020-0.110									●					DCET 070204FL-M
		DCET 3(2.5)01FR-M	<0.001	0.0004-0.004	0.020-0.157									●					DCET 11T3003FR-M
		DCET 3(2.5)01FL-M	<0.001	0.0004-0.004	0.020-0.157									●					DCET 11T3003FL-M
		DCET 3(2.5)013FR-M	<0.002	0.0004-0.004	0.020-0.157									●					DCET 11T3005FR-M
		DCET 3(2.5)013FL-M	<0.002	0.0004-0.004	0.020-0.157									●					DCET 11T3005FL-M
		DCET 3(2.5)03FR-M	<0.004	0.0004-0.004	0.020-0.157									●					DCET 11T301FR-M
		DCET 3(2.5)03FL-M	<0.004	0.0004-0.004	0.020-0.157									●					DCET 11T301FL-M
		DCET 3(2.5)05FR-M	<0.008	0.0004-0.004	0.020-0.157									●					DCET 11T302FR-M
		DCET 3(2.5)05FL-M	<0.008	0.0004-0.004	0.020-0.157									●					DCET 11T302FL-M
		DCET 3(2.5)1FR-M	<1/64	0.0004-0.004	0.020-0.157									●					DCET 11T304FR-M
		DCET 3(2.5)1FL-M	<1/64	0.0004-0.004	0.020-0.157									●					DCET 11T304FL-M

●: Stock available

Positive 90° (S)

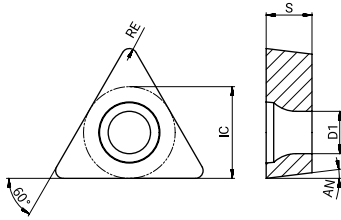


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
SC_3(2.5)_	3/8	5/32	0.173	7°
SC_43_	1/2	3/16	0.217	7°
SC_3809_	1½	3/8	0.386	7°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition																ISO
						●	●	●	●	✖	●	●	●	●	●	✖	●	●	●			
				Recommended parameters		P				M				K				N	S			
						f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Semi-Finishing		SCGT 3(2.5)2F-NC2	1/32	0.004-0.016	0.025-0.169													●	SCGT 09T308F-NC2			
Finishing		SCMT 3(2.5)1-PB1	1/64	0.002-0.006	0.012-0.094	●		●	●		●	●	●						SCMT 09T304E-PB1			
		SCMT 3(2.5)2-PB1	1/32	0.004-0.011	0.024-0.094	●		●	●		●	●	●						SCMT 09T308E-PB1			
		SCMT 431-PB1	1/64	0.002-0.006	0.012-0.126			●	●		●	●	●						SCMT 120404E-PB1			
Semi-Finishing		SCMT 3(2.5)1-PC2	1/64	0.002-0.006	0.014-0.114	●		●	●		●	●	●					●	SCMT 09T304E-PC2			
		SCMT 3(2.5)2-PC2	1/32	0.004-0.013	0.028-0.114	●		●	●		●	●	●					●	SCMT 09T308E-PC2			
		SCMT 431-PC2	1/64	0.002-0.006	0.014-0.15	●		●	●		●	●	●					●	SCMT 120404E-PC2			
		SCMT 432-PC2	1/32	0.004-0.013	0.028-0.15	●	●	●	●		●	●	●					●	SCMT 120408E-PC2			
		SCMT 433-PC2	3/64	0.006-0.019	0.041-0.15		●	●	●		●	●	●					●	SCMT 120412E-PC2			
		SCMT 3(2.5)1-M2T	1/64	0.004-0.010	0.028-0.138	●													SCMT 09T304-M2T			
		SCMT 3(2.5)2-M2T	1/32	0.004-0.010	0.028-0.138	●													SCMT 09T308-M2T			
Medium		SCMT 3(2.5)1-KC2	1/64	0.002-0.007	0.016-0.122	●		●	●	●						●	●		SCMT 09T304E-KC2			
		SCMT 3(2.5)2-KC2	1/32	0.005-0.014	0.031-0.122	●		●	●	●						●	●		SCMT 09T308E-KC2			
		SCMT 431-KC2	1/64	0.002-0.007	0.016-0.165	●		●	●	●						●	●		SCMT 120404E-KC2			
		SCMT 432-KC2	1/32	0.005-0.014	0.031-0.165	●		●	●	●						●	●		SCMT 120408E-KC2			
		SCMT 433-KC2	3/64	0.007-0.021	0.047-0.165			●	●	●						●	●		SCMT 120412E-KC2			
		SCMW 3(2.5)1-KD5	1/64	0.004-0.009	0.016-0.189											●	●		SCMW 09T304E-KD5			
		SCMW 3(2.5)2-KD5	1/32	0.008-0.017	0.031-0.189										●	●	●		SCMW 09T308E-KD5			
		SCMW 431-KD5	1/64	0.004-0.009	0.016-0.252											●	●		SCMW 120404E-KD5			
	SCMW 432-KD5	1/32	0.008-0.017	0.031-0.252											●	●		SCMW 120408E-KD5				
Roughing		-	1/8	0.028-0.055	0.157-0.709					●									SCMT 380932S-HT			

●: Stock available

Positive 60° (T)

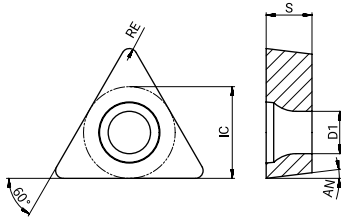


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
TC_2(1.5)_	1/4	3/32	0.110	7°
TC_3(2.5)_	3/8	5/32	0.173	7°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition														ISO
						● ● ● ● ✖ ● ● ✖ ● ●														
				Recommended parameters		P					M			K			N	S		
						f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	
Finishing		TCGT 2(1.5)03FP-LF	<0.004	0.002-0.008	0.014-0.118									●						TCGT 110201FP-LF
		TCGT 2(1.5)05FP-LF	0.008	0.002-0.008	0.014-0.118									●						TCGT 110202FP-LF
		TCGT 2(1.5)1FP-LF	1/64	0.002-0.008	0.014-0.118									●						TCGT 110204FP-LF
		TCGT 3(2.5)1FP-LF	1/64	0.002-0.008	0.014-0.118									●						TCGT 16T304FP-LF
		TCGT 2(1.5)03FP-UF	<0.004	0.001-0.006	0.004-0.094									●						TCGT 110201FP-UF
		TCGT 2(1.5)05FP-UF	0.008	0.001-0.006	0.008-0.094									●						TCGT 110202FP-UF
		TCGT 2(1.5)1FP-UF	1/64	0.001-0.008	0.008-0.094									●						TCGT 110204FP-UF
		TCGT 3(2.5)1FP-UF	1/64	0.001-0.008	0.008-0.094									●						TCGT 16T304FP-UF
		TCGT 2(1.5)03F-UF	0.004	0.001-0.006	0.004-0.094									●						TCGT 110201F-UF
		TCGT 2(1.5)05F-UF	0.008	0.001-0.006	0.008-0.094									●						TCGT 110202F-UF
		TCGT 2(1.5)1F-UF	1/64	0.001-0.008	0.008-0.094									●						TCGT 110204F-UF
		TCGT 3(2.5)1F-UF	1/64	0.001-0.008	0.008-0.094									●						TCGT 16T304F-UF
		TCGT 2(1.5)03-UF	0.004	0.001-0.006	0.004-0.094									●					●	TCGT 110201E-UF
		TCGT 2(1.5)05-UF	0.008	0.001-0.006	0.008-0.094									●					●	TCGT 110202E-UF
		TCGT 2(1.5)1-UF	1/64	0.001-0.008	0.008-0.094									●					●	TCGT 110204E-UF
		TCGT 3(2.5)1-UF	1/64	0.001-0.008	0.008-0.094									●					●	TCGT 16T304E-UF
Semi-Finishing		TCGT 2(1.5)1-NC2	1/64	0.002-0.008	0.013-0.193													●		TCGT 110204F-NC2
		TCGT 3(2.5)1-NC2	1/64	0.002-0.008	0.013-0.291													●		TCGT 16T304F-NC2
		TCGT 3(2.5)2-NC2	1/32	0.004-0.016	0.025-0.291													●		TCGT 16T308F-NC2

●: Stock available

Positive 60° (T)

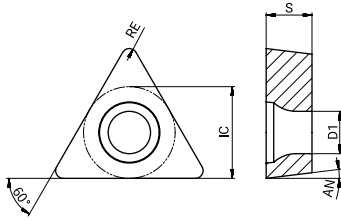


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
TCMT_1.8(1.5)_	0.219	0.094	0.098	7°
TC_2(1.5)_	1/4	3/32	0.110	7°
TC_3(2.5)_	3/8	5/32	0.173	7°
TPMT_1.8(1.5)_	0.219	0.094	0.098	11°
TPMT_22_	1/4	1/8	0.134	11°
TPMT_32_	3/8	1/8	0.173	11°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition																ISO
						●	●	●	●	✖	●	●	●	●	●	●	✖	●	●			
				Recommended parameters		P					M				K			N	S			
f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S							
Finishing		TCMT 1.8(1.5)1-PB1	1/64	0.002-0.006	0.012-0.075	●		●	●		●	●	●				TCMT 090204E-PB1					
		TCMT 2(1.5)05-PB1	0.008	0.001-0.003	0.006-0.087	●		●	●		●	●	●				TCMT 110202E-PB1					
		TCMT 2(1.5)1-PB1	1/64	0.002-0.006	0.012-0.087	●		●	●		●	●	●				TCMT 110204E-PB1					
		TCMT 2(1.5)2-PB1	1/32	0.004-0.011	0.024-0.087	●		●	●		●	●	●				TCMT 110208E-PB1					
		TCMT 3(2.5)1-PB1	1/64	0.002-0.006	0.012-0.13	●		●	●		●	●	●				TCMT 16T304E-PB1					
		TCMT 3(2.5)2-PB1	1/32	0.004-0.011	0.024-0.13	●		●	●		●	●	●				TCMT 16T308E-PB1					
		TPMT 1.8(1.5)05-PB1	0.008	0.001-0.003	0.006-0.075	●											TPMT 090202E-PB1					
		TPMT 1.8(1.5)1-PB1	1/64	0.002-0.006	0.012-0.075	●											TPMT 090204E-PB1					
		TPMT 1.8(1.5)2-PB1	1/32	0.004-0.011	0.024-0.075	●											TPMT 090208E-PB1					
		TPMT 2(1.5)05-PB1	0.008	0.001-0.003	0.006-0.087	●											TPMT 110302E-PB1					
		TPMT 2(1.5)1-PB1	1/64	0.002-0.006	0.012-0.13	●											TPMT 110304E-PB1					
		TPMT 2(1.5)2-PB1	1/32	0.004-0.011	0.024-0.13	●											TPMT 110308E-PB1					
		TPMT 3(2.5)1-PB1	1/64	0.002-0.006	0.012-0.13	●											TPMT 160304E-PB1					
		TPMT 3(2.5)2-PB1	1/32	0.004-0.011	0.024-0.13	●											TPMT 160308E-PB1					
Semi-Finishing		TCMT 1.8(1.5)1-PC2	1/64	0.002-0.006	0.014-0.102	●										TCMT 090204E-PC2						
		TCMT 1.8(1.5)2-PC2	1/32	0.004-0.013	0.028-0.102	●											TCMT 090208E-PC2					
		TCMT 2(1.5)1-PC2	1/64	0.002-0.006	0.014-0.118	●											TCMT 110204E-PC2					
		TCMT 2(1.5)2-PC2	1/32	0.004-0.013	0.028-0.118	●											TCMT 110208E-PC2					
		TCMT 3(2.5)1-PC2	1/64	0.002-0.006	0.014-0.177	●											TCMT 16T304E-PC2					
		TCMT 3(2.5)2-PC2	1/32	0.004-0.013	0.028-0.177	●											TCMT 16T308E-PC2					
		TCMT 3(2.5)3-PC2	3/64	0.006-0.019	0.041-0.177												TCMT 16T312E-PC2					
		TPMT 1.8(1.5)1-PC2	1/64	0.002-0.006	0.014-0.102	●											TPMT 090204E-PC2					
		TPMT 1.8(1.5)2-PC2	1/32	0.004-0.013	0.028-0.102	●											TPMT 090208E-PC2					
		TPMT 221-PC2	1/64	0.002-0.006	0.014-0.118	●											TPMT 110304E-PC2					
		TPMT 222-PC2	1/32	0.004-0.013	0.028-0.118	●											TPMT 110308E-PC2					

●: Stock available

Positive 60° (T)

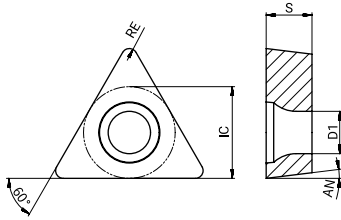


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
TBET_1.2(1)_	0.156	0.063	0.091	5°
TCMT_1.8(1.5)_	0.219	0.094	0.098	7°
TC_2(1.5)_	1/4	3/32	0.110	7°
TC_3(2.5)_	3/8	5/32	0.173	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition																ISO
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖	◐	●			
				Recommended parameters		P					M			K			N	S				
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S			
Semi-Finishing		TCMT 221-M2T	1/64	0.004-0.010	0.024-0.079	●														TCMT 110204-M2T		
		TCMT 222-M2T	1/32	0.004-0.010	0.024-0.079	●														TCMT 110208-M2T		
		TCMT 3(2.5)1-M2T	1/64	0.004-0.010	0.024-0.079	●														TCMT 16T304-M2T		
		TCMT 3(2.5)2-M2T	1/32	0.004-0.010	0.024-0.079	●														TCMT 16T308-M2T		
Medium		TCMT 1.8(1.5)1-KC2	1/64	0.002-0.007	0.016-0.114	●	●	●	●		●	●	●			●	●			TCMT 090204E-KC2		
		TCMT 1.8(1.5)2-KC2	1/32	0.005-0.014	0.031-0.114	●	●	●	●		●	●	●			●	●			TCMT 090208E-KC2		
		TCMT 2(1.5)1-KC2	1/64	0.002-0.007	0.016-0.13	●	●	●	●		●	●	●			●	●			TCMT 110204E-KC2		
		TCMT 2(1.5)2-KC2	1/32	0.005-0.014	0.031-0.13	●	●	●	●		●	●	●			●	●			TCMT 110208E-KC2		
		TCMT 3(2.5)1-KC2	1/64	0.002-0.007	0.016-0.193	●	●	●	●		●	●	●			●	●			TCMT 16T304E-KC2		
		TCMT 3(2.5)2-KC2	1/32	0.005-0.014	0.031-0.193	●	●	●	●		●	●	●			●	●			TCMT 16T308E-KC2		
		TCMT 3(2.5)3-KC2	3/64	0.007-0.021	0.047-0.193		●	●	●		●	●	●			●	●			TCMT 16T312E-KC2		
Roughing		TCMW 2(1.5)1-KD5	1/64	0.002-0.007	0.016-0.217										●	●			TCMW 110204E-KD5			
		TCMW 2(1.5)2-KD5	1/32	0.005-0.014	0.031-0.217											●	●			TCMW 110208E-KD5		
		TCMW 3(2.5)1-KD5	1/64	0.002-0.007	0.016-0.323											●	●			TCMW 16T304E-KD5		
		TCMW 3(2.5)2-KD5	1/32	0.005-0.014	0.031-0.323											●	●			TCMW 16T308E-KD5		
Finishing		TBET 1.2(1)01FR-F	<0.001	0.001-0.003	0.004-0.02									●						TBET 0601003FR-F		
		TBET 1.2(1)01FL-F	<0.001	0.001-0.003	0.004-0.02									●						TBET 0601003FL-F		
		TBET 1.2(1)013FR-F	<0.002	0.001-0.003	0.004-0.02									●						TBET 0601005FR-F		
		TBET 1.2(1)013FL-F	<0.002	0.001-0.003	0.004-0.02									●						TBET 0601005FL-F		
		TBET 1.2(1)03FR-F	<0.004	0.001-0.003	0.004-0.02									●						TBET 060101FR-F		
		TBET 1.2(1)03FL-F	<0.004	0.001-0.003	0.004-0.02									●						TBET 060101FL-F		
		TBET 1.2(1)05FR-F	<0.008	0.001-0.003	0.004-0.02									●						TBET 060102FR-F		
		TBET 1.2(1)05FL-F	<0.008	0.001-0.003	0.004-0.02									●						TBET 060102FL-F		
		TBET 1.2(1)1FR-F	<1/64	0.001-0.003	0.004-0.02									●						TBET 060104FR-F		
		TBET 1.2(1)1FL-F	<1/64	0.001-0.003	0.004-0.02									●						TBET 060104FL-F		

●: Stock available

Positive 60° (T)

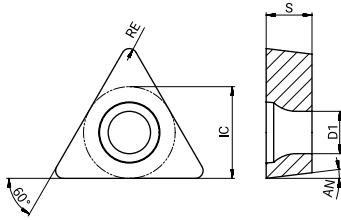


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
TPEH_1.5(1.5)_	0.187	0.094	0.091	11°
TPEH_1.8(1.5)_	0.219	0.094	0.118	11°
TCET_22_	1/4	0.125	0.11	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition														ISO
				Recommended parameters		P					M			K			N	S		
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Finishing		TCET 2(2)03FR-F	<0.004	0.001-0.003	0.004-0.031									●						TCET 110201FR-F
		TCET 2(2)03FL-F	<0.004	0.001-0.003	0.004-0.031									●						TCET 110201FL-F
		TCET 2(2)05FR-F	<0.008	0.001-0.003	0.004-0.031									●						TCET 110202FR-F
		TCET 2(2)05FL-F	<0.008	0.001-0.003	0.004-0.031									●						TCET 110202FL-F
		TCET 221FR-F	<1/64	0.001-0.003	0.004-0.031									●						TCET 110204FR-F
		TCET 221FL-F	<1/64	0.001-0.003	0.004-0.031									●						TCET 110204FL-F
		TCET 222FR-F	<1/32	0.001-0.003	0.004-0.031									●						TCET 110208FR-F
		TCET 222FL-F	<1/32	0.001-0.003	0.004-0.031									●						TCET 110208FL-F
		TPEH 1.5(1.5)03FR-F	<0.004	0.0004-0.004	0.004-0.031									●						TPEH 080201FR-F
		TPEH 1.5(1.5)03FL-F	<0.004	0.0004-0.004	0.004-0.031									●						TPEH 080201FL-F
		TPEH 1.5(1.5)05FR-F	<0.008	0.0004-0.004	0.004-0.031									●						TPEH 080202FR-F
		TPEH 1.5(1.5)05FL-F	<0.008	0.0004-0.004	0.004-0.031									●						TPEH 080202FL-F
		TPEH 1.5(1.5)1FR-F	<1/64	0.0004-0.004	0.004-0.031									●						TPEH 080204FR-F
		TPEH 1.5(1.5)1FL-F	<1/64	0.0004-0.004	0.004-0.031									●						TPEH 080204FL-F
		TPEH 1.8(1.5)03FR-F	<0.004	0.0004-0.004	0.004-0.031									●						TPEH 090201FR-F
		TPEH 1.8(1.5)03FL-F	<0.004	0.0004-0.004	0.004-0.031									●						TPEH 090201FL-F
		TPEH 1.8(1.5)05FR-F	<0.008	0.0004-0.004	0.004-0.031									●						TPEH 090202FR-F
		TPEH 1.8(1.5)05FL-F	<0.008	0.0004-0.004	0.004-0.031									●						TPEH 090202FL-F
		TPEH 1.8(1.5)1FR-F	<1/64	0.0004-0.004	0.004-0.031									●						TPEH 090204FR-F
		TPEH 1.8(1.5)1FL-F	<1/64	0.0004-0.004	0.004-0.031									●						TPEH 090204FL-F

● : Stock available

Positive 60° (T)

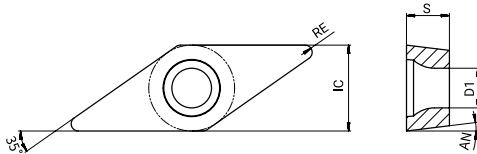


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
TCET_1.5(1.5)_	0.187	0.094	0.091	7°
TCET_22_	1/4	0.125	0.11	7°
TPEH_22_	1/4	0.125	0.130	11°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition																ISO
						● ● ● ◐ ✖ ● ◐ ◐ ◐ ● ● ✖ ◐ ●																
				Recommended parameters		P				M				K		N	S					
f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S							
Finishing		TPEH 2(2)05FR-F	<0.008	0.0004-0.005	0.008-0.031									●					TPEH 110302FR-F			
		TPEH 2(2)05FL-F	<0.008	0.0004-0.005	0.008-0.031									●					TPEH 110302FL-F			
		TPEH 221FR-F	<1/64	0.0004-0.005	0.008-0.031									●					TPEH 110304FR-F			
		TPEH 221FL-F	<1/64	0.0004-0.005	0.008-0.031									●					TPEH 110304FL-F			
		TPEH 222FR-F	<1/32	0.0004-0.005	0.008-0.031									●					TPEH 110308FR-F			
		TPEH 222FL-F	<1/32	0.0004-0.005	0.008-0.031									●					TPEH 110308FL-F			
Low feed		TCET 1.5(1.5)01FR-M	<0.001	0.0004-0.003	0.02-0.098									●					TCET 0802003FR-M			
		TCET 1.5(1.5)01FL-M	<0.001	0.0004-0.003	0.02-0.098									●					TCET 0802003FL-M			
		TCET 1.5(1.5)03FR-M	<0.004	0.0004-0.003	0.02-0.098									●					TCET 080201FR-M			
		TCET 1.5(1.5)03FL-M	<0.004	0.0004-0.003	0.02-0.098									●					TCET 080201FL-M			
		TCET 1.5(1.5)05FR-M	<0.008	0.0004-0.003	0.02-0.098									●					TCET 080202FR-M			
		TCET 1.5(1.5)05FL-M	<0.008	0.0004-0.003	0.02-0.098									●					TCET 080202FL-M			
		TCET 2(2)01FR-M	<0.001	0.001-0.004	0.02-0.157									●					TCET 1103003FR-M			
		TCET 2(2)01FL-M	<0.001	0.001-0.004	0.02-0.157									●					TCET 1103003FL-M			
		TCET 2(2)03FR-M	<0.004	0.001-0.004	0.02-0.157									●					TCET 110301FR-M			
		TCET 2(2)03FL-M	<0.004	0.001-0.004	0.02-0.157									●					TCET 110301FL-M			
		TCET 2(2)05FR-M	<0.008	0.001-0.004	0.02-0.157									●					TCET 110302FR-M			
		TCET 2(2)05FL-M	<0.008	0.001-0.004	0.02-0.157									●					TCET 110302FL-M			
		TCET 221FR-M	<1/64	0.001-0.004	0.02-0.157									●					TCET 110304FR-M			
		TCET 221FL-M	<1/64	0.001-0.004	0.02-0.157									●					TCET 110304FL-M			

●: Stock available

Positive 35° (V)

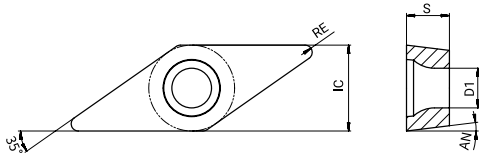


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
VB_22_	1/4	1/8	0.110	5°
VB_33_	3/8	3/16	0.173	5°
VC_22_	1/4	1/8	0.110	7°
VP_22_	1/4	1/8	0.110	11°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition												ISO	
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖		◐
				Recommended parameters		P				M				K		N	S		
f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S				
Finishing		VBGT 2(2)013FP-LF	<0.002	0.002-0.008	0.014-0.118									●					VBGT 1103005FP-LF
		VBGT 2(2)03FP-LF	<0.004	0.002-0.008	0.014-0.119									●					VBGT 110301FP-LF
		VBGT 2(2)05FP-LF	0.008	0.002-0.008	0.014-0.120									●					VBGT 110302FP-LF
		VBGT 221FP-LF	1/64	0.002-0.008	0.014-0.121									●					VBGT 110304FP-LF
		VBGT 3(3)03FP-LF	<0.004	0.002-0.008	0.014-0.122									●					VBGT 160401FP-LF
		VBGT 3(3)05FP-LF	0.008	0.002-0.008	0.014-0.123									●					VBGT 160402FP-LF
		VCGT 2(2)013FP-LF	<0.002	0.002-0.008	0.014-0.124									●					VCGT 1103005FP-LF
		VCGT 2(2)03FP-LF	<0.004	0.002-0.008	0.014-0.125									●					VCGT 110301FP-LF
		VCGT 2(2)05FP-LF	0.008	0.002-0.008	0.014-0.126									●					VCGT 110302FP-LF
		VCGT 221FP-LF	1/64	0.002-0.008	0.014-0.127									●					VCGT 110304FP-LF
		VPGT 2(2)013FP-LF	<0.002	0.002-0.008	0.014-0.128									●					VPGT 1103005FP-LF
		VPGT 2(2)03FP-LF	<0.004	0.002-0.008	0.014-0.129									●					VPGT 110301FP-LF
		VPGT 2(2)05FP-LF	0.008	0.002-0.008	0.014-0.130									●					VPGT 110302FP-LF
		VBGT 2(2)03FP-UF	0.004	0.001-0.006	0.004-0.055									●					VBGT 110301FP-UF
		VBGT 2(2)05FP-UF	0.008	0.001-0.006	0.008-0.055									●					VBGT 110302FP-UF
		VBGT 221FP-UF	1/64	0.001-0.008	0.008-0.055									●					VBGT 110304FP-UF
		VBGT 3(3)03FP-UF	0.004	0.001-0.006	0.004-0.055									●					VBGT 160401FP-UF
		VBGT 3(3)05FP-UF	0.008	0.001-0.006	0.008-0.055									●					VBGT 160402FP-UF
		VBGT 2(2)03F-UF	0.004	0.001-0.006	0.004-0.055									●					VBGT 110301F-UF
		VBGT 2(2)05F-UF	0.008	0.001-0.006	0.008-0.055									●					VBGT 110302F-UF
		VBGT 221F-UF	1/64	0.001-0.008	0.008-0.055									●					VBGT 110304F-UF
		VBGT 3(3)03F-UF	0.004	0.001-0.006	0.004-0.055									●					VBGT 160401F-UF
		VBGT 3(3)05F-UF	0.008	0.001-0.006	0.008-0.055									●					VBGT 160402F-UF
		VBGT 2(2)03-UF	0.004	0.001-0.006	0.004-0.055									●				●	VBGT 110301E-UF
		VBGT 2(2)05-UF	0.008	0.001-0.006	0.008-0.055									●				●	VBGT 110302E-UF
		VBGT 221-UF	1/64	0.001-0.008	0.008-0.055									●				●	VBGT 110304E-UF
		VBGT 3(3)03-UF	0.004	0.001-0.006	0.004-0.055									●				●	VBGT 160401E-UF
		VBGT 3(3)05-UF	0.008	0.001-0.006	0.008-0.055									●				●	VBGT 160402E-UF

●: Stock available

Positive 35° (V)

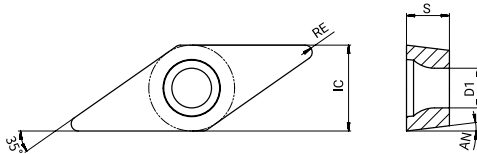


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
VB_22_	1/4	1/8	0.110	5°
VB_33_	3/8	3/16	0.173	5°
VC_22_	1/4	1/8	0.110	7°
VC_33_	3/8	3/16	0.173	7°
VC_4(3.5)_	1/2	0.219	0.217	7°
VP_22_	1/4	1/8	0.110	11°
VP_4(3.5)_	1/2	0.219	0.217	11°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition																ISO
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖	◐	●			
				Recommended parameters		P				M				K		N	S					
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S			
Finishing		VCMT 2(2)013FP-UF	<0.002	0.001-0.006	0.004-0.055									●						VCMT 1103005FP-UF		
		VCMT 2(2)03FP-UF	0.004	0.001-0.006	0.004-0.055									●						VCMT 110301FP-UF		
		VCMT 2(2)05FP-UF	0.008	0.001-0.006	0.008-0.055									●						VCMT 110302FP-UF		
		VCMT 221FP-UF	1/64	0.001-0.008	0.008-0.055									●						VCMT 110304FP-UF		
		VCMT 2(2)013F-UF	<0.002	0.001-0.006	0.004-0.055									●						VCMT 1103005E-UF		
		VCMT 2(2)03F-UF	0.004	0.001-0.006	0.004-0.055									●						VCMT 110301F-UF		
		VCMT 2(2)05F-UF	0.008	0.001-0.006	0.008-0.055									●						VCMT 110302F-UF		
		VCMT 221F-UF	1/64	0.001-0.008	0.008-0.055									●						VCMT 110304F-UF		
		VCMT 2(2)03-UF	0.004	0.001-0.006	0.004-0.055									●					●	VCMT 110301E-UF		
		VCMT 2(2)05-UF	0.008	0.001-0.006	0.008-0.055									●					●	VCMT 110302E-UF		
		VCMT 221-UF	1/64	0.001-0.008	0.008-0.055									●					●	VCMT 110304E-UF		
		VPGT 2(2)03FP-UF	0.004	0.001-0.006	0.004-0.055									●						VPGT 110301FP-UF		
VPGT 2(2)05FP-UF		0.008	0.001-0.006	0.008-0.055									●						VPGT 110302FP-UF			
VPGT 2(2)03F-UF		0.004	0.001-0.006	0.004-0.055									●						VPGT 110301F-UF			
	VPGT 2(2)05F-UF	0.008	0.001-0.006	0.008-0.055									●						VPGT 110302F-UF			
Semi-Finishing		VCMT 2(2)05F-NC2	0.008	0.001-0.004	0.006-0.11													●		VCMT 110302F-NC2		
		VCMT 221F-NC2	1/64	0.002-0.008	0.013-0.11													●		VCMT 110304F-NC2		
		VCMT 331F-NC2	1/64	0.002-0.008	0.013-0.165													●		VCMT 160404F-NC2		
		VCMT 332F-NC2	1/32	0.004-0.016	0.025-0.165													●		VCMT 160408F-NC2		
		VCMT 333F-NC2	3/64	0.006-0.024	0.038-0.165													●		VCMT 160412F-NC2		
		-	3.0	0.014-0.059	0.094-0.217													●		VCMT 220530F-NC2		
		VPGT 4(3.5)5-NC2	5/64	0.009-0.039	0.063-0.217													●		VPGT 220520E-NC2		
		VPGT 4(3.5)5F-NC2	5/64	0.009-0.039	0.063-0.217													●		VPGT 220520F-NC2		
Profiling machining		VBMT 2(2)05-BS	0.008	0.002-0.006	0.012-0.051	●	●													VBMT 110302E-BS		
		VBMT 221-BS	1/64	0.002-0.006	0.012-0.051	●	●													VBMT 110304E-BS		
		VBMT 222-BS	1/32	0.002-0.008	0.012-0.051	●	●													VBMT 110308E-BS		
		VBMT 331-BS	1/64	0.002-0.006	0.012-0.059	●	●													VBMT 160404E-BS		
		VBMT 332-BS	1/32	0.002-0.006	0.012-0.059	●	●													VBMT 160408E-BS		
		VBMT 333-BS	3/64	0.002-0.009	0.012-0.059	●	●													VBMT 160412E-BS		

●: Stock available

Positive 35° (V)

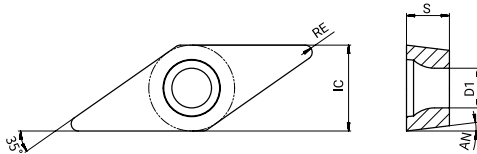


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
VB_22_	1/4	1/8	0.110	5°
VB_33_	3/8	3/16	0.173	5°
VC_22_	1/4	1/8	0.110	7°
VC_33_	3/8	3/16	0.173	7°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition														ISO
						●	●	●	◐	✖	●	◐	◐	◐	●	●	✖	◐	●	
				Recommended parameters		P					M			K		N	S			
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Finishing		VBMT 221-PB1	1/64	0.002-0.006	0.012-0.055	●		●	●		●	●	●							VBMT 110304E-PB1
		VBMT 222-PB1	1/32	0.004-0.011	0.024-0.055	●		●	●		●	●	●							VBMT 110308E-PB1
		VBMT 3(3)05-PB1	0.008	0.001-0.003	0.006-0.083	●		●	●		●	●	●							VBMT 160402E-PB1
		VBMT 331-PB1	1/64	0.002-0.006	0.012-0.083	●		●	●		●	●	●							VBMT 160404E-PB1
		VBMT 332-PB1	1/32	0.004-0.011	0.024-0.083	●		●	●		●	●	●							VBMT 160408E-PB1
		VCMT 331-PB1	1/64	0.002-0.006	0.012-0.083			●	●		●	●	●							VCMT 160404E-PB1
		VCMT 332-PB1	1/32	0.004-0.011	0.024-0.083			●	●		●	●	●							VCMT 160408E-PB1
Semi-Finishing		VBMT 221-PC2	1/64	0.002-0.006	0.014-0.083	●		●	●		●	●	●						●	VBMT 110304E-PC2
		VBMT 222-PC2	1/32	0.004-0.013	0.028-0.083	●		●	●		●	●	●						●	VBMT 110308E-PC2
		VBMT 331-PC2	1/64	0.002-0.006	0.014-0.122	●	●	●	●		●	●	●						●	VBMT 160404E-PC2
		VBMT 332-PC2	1/32	0.004-0.013	0.028-0.122	●	●	●	●		●	●	●						●	VBMT 160408E-PC2
		VBMT 333-PC2	3/64	0.006-0.019	0.041-0.122		●	●	●		●	●	●						●	VBMT 160412E-PC2
		VCMT 221-PC2	1/64	0.002-0.006	0.014-0.083			●	●		●	●	●							VCMT 110304E-PC2
		VCMT 222-PC2	1/32	0.004-0.013	0.028-0.083			●	●		●	●	●							VCMT 110308E-PC2
		VCMT 331-PC2	1/64	0.002-0.006	0.014-0.122			●	●		●	●	●							VCMT 160404E-PC2
Medium		VBMT 331-KC2	1/64	0.002-0.007	0.016-0.13	●		●	●		●	●	●			●	●			VBMT 160404E-KC2
		VBMT 332-KC2	1/32	0.005-0.014	0.031-0.13	●	●	●	●		●	●	●			●	●			VBMT 160408E-KC2
		VBMT 333-KC2	3/64	0.007-0.021	0.047-0.13	●	●	●	●		●	●	●			●	●			VBMT 160412E-KC2
Finishing		VBET 2(2)01FR-F	<0.001	0.0004-0.007	0.004-0.012									●						VBET 1103003FR-F
		VBET 2(2)01FL-F	<0.001	0.0004-0.007	0.004-0.012									●						VBET 1103003FL-F
		VBET 2(2)013FR-F	<0.002	0.0004-0.007	0.004-0.012									●						VBET 1103005FR-F
		VBET 2(2)013FL-F	<0.002	0.0004-0.007	0.004-0.012									●						VBET 1103005FL-F
		VBET 2(2)03FR-F	<0.004	0.0004-0.007	0.004-0.012									●						VBET 110301FR-F
		VBET 2(2)03FL-F	<0.004	0.0004-0.007	0.004-0.012									●						VBET 110301FL-F
		VBET 2(2)05FR-F	<0.008	0.0004-0.007	0.004-0.012									●						VBET 110302FR-F
		VBET 2(2)05FL-F	<0.008	0.0004-0.007	0.004-0.012									●						VBET 110302FL-F

●: Stock available

Positive 35° (V)

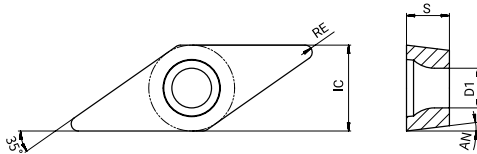


Product code	Dimension (in)			Clearance Angle(°)
	IC	S	D1	AN
VB_22_	1/4	1/8	0.110	5°
VC_22_	1/4	1/8	0.110	7°
VP_1.5(1.5)_	0.187	0.094	0.091	11°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition												ISO	
						● ● ● ◐ ✖ ● ◐ ◐ ◐ ● ● ✖ ◐ ●													
				Recommended parameters		P					M			K		N	S		
				f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K		AW100K
Low feed		VBET 2(2)013FR-M	<0.002	0.0004-0.002	0.008-0.079									●					VBET 1103005FR-M
		VBET 2(2)013FL-M	<0.002	0.0004-0.002	0.008-0.079									●					VBET 1103005FL-M
		VBET 2(2)03FR-M	<0.004	0.0004-0.002	0.008-0.079									●					VBET 110301FR-M
		VBET 2(2)03FL-M	<0.004	0.0004-0.002	0.008-0.079									●					VBET 110301FL-M
		VBET 2(2)05FR-M	<0.008	0.0004-0.002	0.008-0.079									●					VBET 110302FR-M
		VBET 2(2)05FL-M	<0.008	0.0004-0.002	0.008-0.079									●					VBET 110302FL-M
		VBET 221FR-M	<1/64	0.0004-0.002	0.008-0.079									●					VBET 110304FR-M
		VBET 221FL-M	<1/64	0.0004-0.002	0.008-0.079									●					VBET 110304FL-M
Finishing		VCET 2(2)013FR-F	<0.002	0.0004-0.007	0.004-0.012									●					VCET 1103005FR-F
		VCET 2(2)013FL-F	<0.002	0.0004-0.007	0.004-0.012									●					VCET 1103005FL-F
		VCET 2(2)03FR-F	<0.004	0.0004-0.007	0.004-0.012									●					VCET 110301FR-F
		VCET 2(2)03FL-F	<0.004	0.0004-0.007	0.004-0.012									●					VCET 110301FL-F
		VCET 2(2)05FR-F	<0.008	0.0004-0.007	0.004-0.012									●					VCET 110302FR-F
		VCET 2(2)05FL-F	<0.008	0.0004-0.007	0.004-0.012									●					VCET 110302FL-F
		VCET 221FR-F	<1/64	0.0004-0.007	0.004-0.012									●					VCET 110304FR-F
		VCET 221FL-F	<1/64	0.0004-0.007	0.004-0.012									●					VCET 110304FL-F
		VPET 1.5(1.5)03FR-F	<0.004	0.001-0.006	0.002-0.008									●					VPET 080201FR-F
		VPET 1.5(1.5)03FL-F	<0.004	0.001-0.006	0.002-0.008									●					VPET 080201FL-F
		VPET 1.5(1.5)05FR-F	<0.008	0.001-0.006	0.002-0.008									●					VPET 080202FR-F
		VPET 1.5(1.5)05FL-F	<0.008	0.001-0.006	0.002-0.008									●					VPET 080202FL-F

●: Stock available

Positive 35° (V)

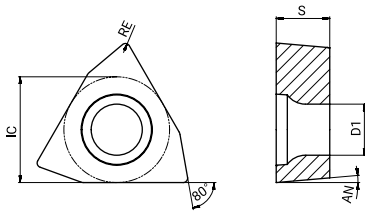


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
VB_22_	1/4	1/8	0.110	5°
VB_33_	3/8	3/16	0.173	5°
VP_1.5(1.5)_	0.187	0.094	0.091	11°
VP_22_	1/4	1/8	0.110	11°

Inserts Left-hand shown where it's applicable	ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition ● ● ● ● ✖ ✖ ● ● ● ● ● ● ✖ ✖ ●														ISO
			Recommended parameters		P				M				K				N	S	
			f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Low feed		VPET 1.5(1.5)03FR-M	<0.004	0.0004-0.002	0.008-0.059								●						VPET 080201FR-M
		VPET 1.5(1.5)03FL-M	<0.004	0.0004-0.002	0.008-0.059								●						VPET 080201FL-M
		VPET 1.5(1.5)05FR-M	<0.008	0.0004-0.002	0.008-0.059								●						VPET 080202FR-M
		VPET 1.5(1.5)05FL-M	<0.008	0.0004-0.002	0.008-0.059								●						VPET 080202FL-M
		VPET 2(2)03FR-M	<0.004	0.0004-0.002	0.008-0.079								●						VPET 110301FR-M
		VPET 2(2)03FL-M	<0.004	0.0004-0.002	0.008-0.079								●						VPET 110301FL-M
		VPET 2(2)05FR-M	<0.008	0.0004-0.002	0.008-0.079								●						VPET 110302FR-M
		VPET 2(2)05FL-M	<0.008	0.0004-0.002	0.008-0.079								●						VPET 110302FL-M
		VPET 221FR-M	<1/64	0.0004-0.002	0.008-0.079								●						VPET 110304FR-M
		VPET 221FL-M	<1/64	0.0004-0.002	0.008-0.079								●						VPET 110304FL-M
		VBET 2(2)01FR-Y	<0.001	0.003-0.009	0.02-0.071								●						VBET 1103003FR-Y
		VBET 2(2)01FL-Y	<0.001	0.003-0.009	0.02-0.071								●						VBET 1103003FL-Y
		VBET 2(2)013FR-Y	<0.002	0.003-0.009	0.02-0.071								●						VBET 1103005FR-Y
		VBET 2(2)013FL-Y	<0.002	0.003-0.009	0.02-0.071								●						VBET 1103005FL-Y
		VBET 2(2)03FR-Y	<0.004	0.003-0.009	0.02-0.071								●						VBET 110301FR-Y
		VBET 2(2)03FL-Y	<0.004	0.003-0.009	0.02-0.071								●						VBET 110301FL-Y
		VBET 2(2)05FR-Y	<0.008	0.003-0.009	0.02-0.071								●						VBET 110302FR-Y
		VBET 2(2)05FL-Y	<0.008	0.003-0.009	0.02-0.071								●						VBET 110302FL-Y
		VBET 221FR-Y	<1/64	0.003-0.009	0.02-0.071								●						VBET 110304FR-Y
		VBET 221FL-Y	<1/64	0.003-0.009	0.02-0.071								●						VBET 110304FL-Y
		VBET 3(3)05FR-Y	<0.008	0.004-0.01	0.031-0.079								●						VBET 160402FR-Y
		VBET 3(3)05FL-Y	<0.008	0.004-0.01	0.031-0.079								●						VBET 160402FL-Y
		VBET 331FR-Y	<1/64	0.004-0.01	0.031-0.079								●						VBET 160404FR-Y
		VBET 331FL-Y	<1/64	0.004-0.01	0.031-0.079								●						VBET 160404FL-Y
		VBET 332FR-Y	1/32	0.004-0.01	0.031-0.079								●						VBET 160408FR-Y
		VBET 332FL-Y	1/32	0.004-0.01	0.031-0.079								●						VBET 160408FL-Y

●: Stock available

Positive 80° (W)

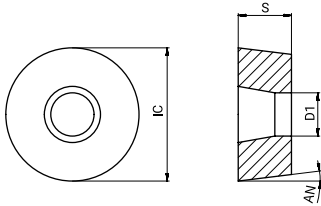


Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
WB_31_	0.156	0.139	0.063	5°
WB_4(1.5)_	0.187	0.188	0.094	5°

Inserts Left-hand shown where it's applicable		ANSI	RE (in)	Machining conditions		● Good condition ● General condition ✖ Bad condition														ISO	
						● ● ● ● ✖ ✖ ✖ ✖ ● ● ✖ ✖ ●															
				Recommended parameters		P				M				K		N	S				
						f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K		AW100K
Finishing		WBET 3(1)01FR-F	<0.001	0.002-0.003	0.004-0.031										●						WBET 0601003FR-F
		WBET 3(1)01FL-F	<0.001	0.002-0.003	0.004-0.031										●						WBET 0601003FL-F
		WBET 3(1)03FR-F	<0.004	0.002-0.003	0.004-0.031										●						WBET 060101FR-F
		WBET 3(1)03FL-F	<0.004	0.002-0.003	0.004-0.031										●						WBET 060101FL-F
		WBET 3(1)05FR-F	<0.008	0.002-0.003	0.004-0.031										●						WBET 060102FR-F
		WBET 3(1)05FL-F	<0.008	0.002-0.003	0.004-0.031										●						WBET 060102FL-F
		WBET 311FR-F	<1/64	0.002-0.003	0.004-0.031										●						WBET 060104FR-F
		WBET 311FL-F	<1/64	0.002-0.003	0.004-0.031										●						WBET 060104FL-F
		WBET 4(1.5)01FR-F	<0.001	0.002-0.003	0.004-0.031										●						WBET 0802003FR-F
		WBET 4(1.5)01FL-F	<0.001	0.002-0.003	0.004-0.031										●						WBET 0802003FL-F
		WBET 4(1.5)03FR-F	<0.004	0.002-0.003	0.004-0.031										●						WBET 080201FR-F
		WBET 4(1.5)03FL-F	<0.004	0.002-0.003	0.004-0.031										●						WBET 080201FL-F
		WBET 4(1.5)05FR-F	<0.008	0.002-0.003	0.004-0.031										●						WBET 080202FR-F
		WBET 4(1.5)05FL-F	<0.008	0.002-0.003	0.004-0.031										●						WBET 080202FL-F
		WBET 4(1.5)FR-F	<1/64	0.002-0.003	0.004-0.031										●						WBET 080204FR-F
		WBET 4(1.5)1FL-F	<1/64	0.002-0.003	0.004-0.031										●						WBET 080204FL-F

●: Stock available

Positive Round Insert



Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
RCGT_0803_	0.315	1/8	0.134	7°
RCGT_1003_	0.394	1/8	0.173	7°
RCGT_10T3_	0.394	5/32	0.173	7°
RCMX_1003_	0.394	1/8	0.142	7°
RCMX_1204_	0.472	3/16	0.165	7°

Dimension (in)				Clearance Angle(°)
Product code	IC	S	D1	AN
RCMX_1606_	0.630	1/4	0.205	7°
RCMX_2006_	0.787	1/4	0.256	7°
RCMX_2507_	0.984	5/16	0.283	7°
RCMX_3209_	1.260	3/8	0.378	7°

Inserts		ANSI	RE (in)	Machining conditions		● Good condition ◐ General condition ✖ Bad condition																ISO
						● ● ● ◐ ✖ ● ◐ ◐ ◐ ● ● ✖ ◐ ●																
				Recommended parameters		P					M				K			N	S			
						f (in/rev)	ap (in)	AT202	AC052P	AC150P	AC250P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Semi-Finishing		-	-	0.004-0.039	0.028-0.13													●	RCGT 0803MOF-NC2			
		-	-	0.008-0.051	0.035-0.157													●	RCGT 1003MOF-NC2			
		-	-	0.008-0.051	0.035-0.157													●	RCGT 10T3MOF-NC2			
		-	-	0.019-0.035	0.138-0.354														RCMX 2006MOS-PD8			
		-	-	0.022-0.047	0.157-0.472														RCMX 2507MOS-PD8			
		-	-	0.026-0.059	0.197-0.591														RCMX 3209MOS-PD8			
Medium		-	-	0.01-0.02	0.059-0.157			●	●										RCMX 100300S			
		-	-	0.012-0.024	0.098-0.197	●	●	●											RCMX 120400S			
		-	-	0.016-0.03	0.118-0.276	●	●	●											RCMX 160600S			
		-	-	0.019-0.035	0.138-0.354	●	●	●											RCMX 200600S			
		-	-	0.022-0.047	0.157-0.472	●	●	●											RCMX 250700S			
		-	-	0.026-0.059	0.197-0.591	●	●	●											RCMX 320900S			

●: Stock available