

Turning Tools

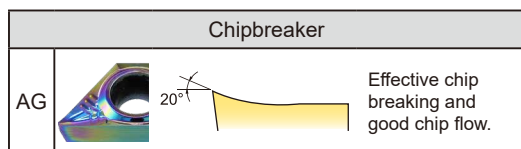
G Class Inserts for Aluminum



- *Suitable for accurate cutting of small size workpiece.*
- *Wear resistant substrate improve insert life.*
- *Sharp geometry design is suitable for Finishing.*

Turning Tools - G Class Inserts

Positive Turning Inserts for Aluminum alloys with Silicon

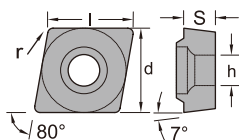


Grade	
CX1010	Nano DLC coated Inserts for Non-ferrous metals, such as Aluminum (Si ≥ 4%) and Copper.

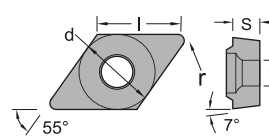
Inserts	Order No.	Specification	r	Working Material					
				P	M	K	N	S	H
	ICCGT060202AG1010	CCGT060202-AG CX1010	0.2				●		
	ICCGT060204AG1010	CCGT060204-AG CX1010	0.4				●		
	ICCGT09T308AG1010	CCGT09T308-AG CX1010	0.8				●		
	IDCGT070202AG1010	DCGT070202-AG CX1010	0.2				●		
	IDCGT11T302AG1010	DCGT11T302-AG CX1010	0.2				●		
	ISCGT09T304AG1010	SCGT09T304-AG CX1010	0.4				●		
	ITCGT090204AG1010	TCGT090204-AG CX1010	0.4				●		
	ITCGT110202AG1010	TCGT110202-AG CX1010	0.2				●		
	ITCGT16T304AG1010	TCGT16T304-AG CX1010	0.4				●		
	ITCGT16T308AG1010	TCGT16T308-AG CX1010	0.8				●		
	IVCGT110302AG1010	VCGT110302-AG CX1010	0.2				●		
	IVCGT110304AG1010	VCGT110304-AG CX1010	0.4				●		
	IVCGT160402AG1010	VCGT160402-AG CX1010	0.2				●		
	IVCGT160404AG1010	VCGT160404-AG CX1010	0.4				●		
	IVCGT160408AG1010	VCGT160408-AG CX1010	0.8				●		

Insert Dimensions (mm)

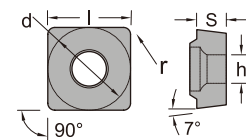
Insert	d	l	S	h
CCGT0602	6.35	6.4	2.38	2.8
CCGT09T3	9.525	9.7	3.97	4.4
DCGT0702	6.35	7.7	2.38	2.8
DCGT11T3	9.525	11.6	3.97	4.4
SCGT09T3	9.525	9.525	3.97	4.4
TCGT0902	5.56	9.6	2.38	2.5
TCGT1102	6.35	11.0	2.38	2.8
TCGT16T3	9.525	16.5	3.97	4.4
VCGT1103	11.1	6.35	3.18	2.8
VCGT1604	9.525	16.6	4.76	4.4



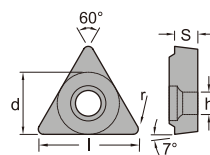
CCGT



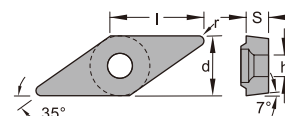
DCGT



SCGT

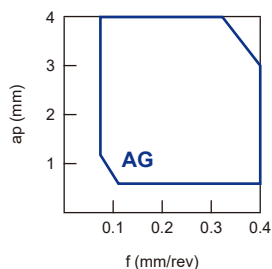


TCGT



VCGT

Cutting Condition

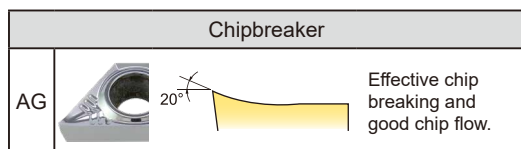


Cutting Speed for CX1010

Working Material		Silicon	VC (m/min)
N	Forged Aluminum alloys	< 4%	180 ~ 500
		≥ 4%	150 ~ 400
	Cast Aluminum alloys	< 4%	150 ~ 400
		≥ 4%	120 ~ 300
	Copper	-	150 ~ 300



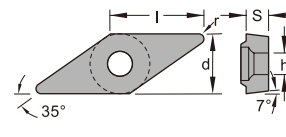
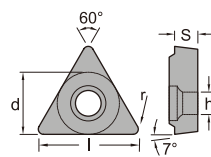
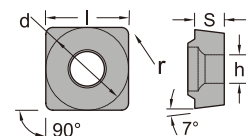
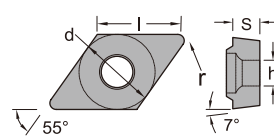
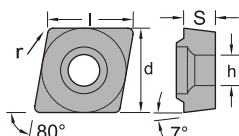
Positive Turning Inserts for Aluminum alloys



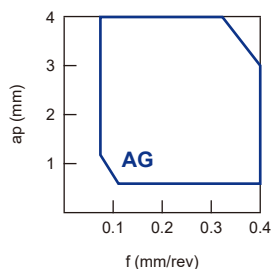
Inserts	Order No.	Specification	r	Working Material					
				P	M	K	N	S	H
	ICCGT060202AG01	CCGT060202-AG CX01	0.2				●		
	ICCGT060204AG01	CCGT060204-AG CX01	0.4				●		
	ICCGT09T308AG01	CCGT09T308-AG CX01	0.8				●		
	IDCGT070202AG01	DCGT070202-AG CX01	0.2				●		
	IDCGT11T302AG01	DCGT11T302-AG CX01	0.2				●		
	ISCGT09T304AG01	SCGT09T304-AG CX01	0.4				●		
	ITCGT090204AG01	TCGT090204-AG CX01	0.4				●		
	ITCGT110202AG01	TCGT110202-AG CX01	0.2				●		
	ITCGT16T304AG01	TCGT16T304-AG CX01	0.4				●		
	ITCGT16T308AG01	TCGT16T308-AG CX01	0.8				●		
	IVCGT110302AG01	VCGT110302-AG CX01	0.2				●		
	IVCGT110304AG01	VCGT110304-AG CX01	0.4				●		
	IVCGT160402AG01	VCGT160402-AG CX01	0.2				●		
	IVCGT160404AG01	VCGT160404-AG CX01	0.4				●		
	IVCGT160408AG01	VCGT160408-AG CX01	0.8				●		

Insert Dimensions (mm)

Insert	d	l	S	h
CCGT0602	6.35	6.4	2.38	2.8
CCGT09T3	9.525	9.7	3.97	4.4
DCGT0702	6.35	7.7	2.38	2.8
DCGT11T3	9.525	11.6	3.97	4.4
SCGT09T3	9.525	9.525	3.97	4.4
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TCGT1102	6.35	11.0	2.38	2.8
TCGT16T3	9.525	16.5	3.97	4.4
VCGT1103	11.1	6.35	3.18	2.8
VCGT1604	9.525	16.6	4.76	4.4



Cutting Condition



Cutting Speed for CX01

Working Material		HB	VC (m/min)
N	Forged Aluminum alloys	50 ~ 70	300 ~ 1000
		90 ~ 100	250 ~ 800
	Cast Aluminum alloys	70 ~ 80	250 ~ 800
		80 ~ 100	200 ~ 600

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