

HOW TO READ INSERT PAGES

How to Read "Turning Inserts" Pages

- Refer below on how to read the "Indexable Turning Inserts" tables
- Section C contains similar content.

Classification of usage

- ✳ Interruption / 1st Choice
 - ✳ Interruption / 2nd Choice
 - Light Interruption / 1st Choice
 - Light Interruption / 2nd Choice
 - Continuous / 1st Choice
 - Continuous / 2nd Choice
- (In case hardness is under 45HRC)

Recommended grades for each applications are shown here.

Inserts' ISO Classification of Usage
(Workpiece materials are written on the right side)

Insert Dimensions

Insert Grades
(Red Fonts Are New Grades)

TURNING INSERTS (POSITIVE)

80° Diamond Positive Insert with Hole

Cermet / Coated Carbide / Carbide

How to read this page **B7**

Part Number	A	T	Od	α	Part Number	A	T	Od	α
CC_1109_	0.138	0.055	0.075		CC_215_	1/4	3/32	0.110	
CC_1411_	0.169	0.071	0.091	7°	CC_325_	3/8	5/32	0.173	7°
					CG_43_	1/2	3/16	0.217	

Usage Classification	Material	Grade	Application
✳	Steel	P	Free Cutting steel
✳	Carbon/Alloy Steel	M	Stainless Steel
●	Cast Iron	K	Grey Cast Iron
○	Cast Iron	N	Nodular Cast Iron
●	Aluminum	S	Non-Removal Metals
○	Aluminum	H	Heat Resistant Alloys
			Titanium Alloy
			Hard materials

Corner Radius (Rr)	Cermet	MEGA COAT Cermet	PVD Coated Carbide	CVD Coated Carbide	MEGA COAT / MEGA COAT NANO	PVD Coated Carbide	Carbide	Toolholder	Chipbreaker
TN620									
TN610									
TN6020									
TN60									
P7720									
P77010									
P77025									
P760									
CA510									
CA515									
CA525									
CA530									
CA55005									
CA5515									
CA5525									
CA5535									
CA6515									
CA6525									
PR1425									
PR1225									
PR1805									
PR1310									
PR1325									
PR930									
PR1005									
PR1025									
PR125									
KW0									
SW05									

ANSI Part Number	ISO Part Number	Corner Radius (Rr)	Application
CCGT 110902M-CF	030101M-CF	<-0.004	Micro Finishing Sharp Edge
CCGT 110905M-CF	030102M-CF	<-0.008	Micro Finishing Sharp Edge
CCGT 141102M-CF	040101M-CF	<-0.004	Micro Finishing Sharp Edge
CCGT 141105M-CF	040102M-CF	<-0.008	Micro Finishing Sharp Edge
CCGT 110902MP-CF	030101MP-CF	<-0.004	Micro Finishing Sharp Edge / Polished
CCGT 110905MP-CF	030102MP-CF	<-0.008	Micro Finishing Sharp Edge / Polished
CCGT 141102MP-CF	040101MP-CF	<-0.004	Micro Finishing Sharp Edge / Polished
CCGT 141105MP-CF	040102MP-CF	<-0.008	Micro Finishing Sharp Edge / Polished
CCGT 21502MF-GF	060201MF-GF	<-0.004	Finishing Sharp Edge
CCGT 21505MF-GF	060202MF-GF	<-0.008	Finishing Sharp Edge
CCGT 32502MF-GF	09T301MF-GF	<-0.004	Finishing Sharp Edge
CCGT 32505MF-GF	09T302MF-GF	<-0.008	Finishing Sharp Edge
CCGT 3251MF-GF	09T304MF-GF	<-1/64	Finishing Sharp Edge
CCGT 21502MFP-GF	060201MFP-GF	<-0.004	Finishing Sharp Edge / Polished
CCGT 21505MFP-GF	060202MFP-GF	<-0.008	Finishing Sharp Edge / Polished
CCGT 2151MFP-GF	060204MFP-GF	<-1/64	Finishing Sharp Edge / Polished
CCGT 32502MFP-GF	09T301MFP-GF	<-0.004	Finishing Sharp Edge / Polished
CCGT 32505MFP-GF	09T302MFP-GF	<-0.008	Finishing Sharp Edge / Polished
CCGT 3251MFP-GF	09T304MFP-GF	<-1/64	Finishing Sharp Edge / Polished
CCGT 21502MFP-SK	060201MFP-SK	<-0.004	Finishing Sharp Edge / Polished
CCGT 21505MFP-SK	060202MFP-SK	<-0.008	Finishing Sharp Edge / Polished
CCGT 2151MFP-SK	060204MFP-SK	<-1/64	Finishing Sharp Edge / Polished
CCGT 32502MFP-SK	09T301MFP-SK	<-0.004	Finishing Sharp Edge / Polished
CCGT 32505MFP-SK	09T302MFP-SK	<-0.008	Finishing Sharp Edge / Polished
CCGT 3251MFP-SK	09T304MFP-SK	<-1/64	Finishing Sharp Edge / Polished
CCGT 21502MP-CK	060201MP-CK	<-0.004	Finishing Sharp Edge / Polished
CCGT 21505MP-CK	060202MP-CK	<-0.008	Finishing Sharp Edge / Polished
CCGT 32502MP-CK	09T301MP-CK	<-0.004	Finishing Sharp Edge / Polished
CCGT 32505MP-CK	09T302MP-CK	<-0.008	Finishing Sharp Edge / Polished
CCGT 21502MF-GQ	060201MF-GQ	<-0.004	Finishing-Medium Sharp Edge
CCGT 21505MF-GQ	060202MF-GQ	<-0.008	Finishing-Medium Sharp Edge
CCGT 2151MF-GQ	060204MF-GQ	<-1/64	Finishing-Medium Sharp Edge
CCGT 32502MF-GQ	09T301MF-GQ	<-0.004	Finishing-Medium Sharp Edge
CCGT 32505MF-GQ	09T302MF-GQ	<-0.008	Finishing-Medium Sharp Edge
CCGT 3251MF-GQ	09T304MF-GQ	<-1/64	Finishing-Medium Sharp Edge

* Insert whose corner R(r) dimension expressed with less than sign (e.g. <-0.002, <-0.004, <-0.008 etc.) indicate models with minus tolerance for corner R(r).

B8 KYOCERA Inserts sold in 10 piece boxes.

○ : World Express (Shipping - 10 Business Days) ● : U.S. Stock ○ : U.S. Stock (R-hand Only) ● : U.S. Stock (L-hand Only)

Insert Corner-R(r)

Insert Shape

Insert Description

Application

Insert Appearance Image
Ref. Page B6 for Insert Color.

Applicable Chipbreaker
Range No.

Purchase Unit Amounts

Available Stock Status

Applicable Toolholder
and Cross Reference Page

Applicable Chipbreaker
Map No.

- GRADES **A**
- INSERTS **B**
- CBN & POD **C**
- TURNING **E**
- BORING **F**
- GRINDING **G**
- CUT-OFF **H**
- THREADING **J**
- SOLID END MILLS **L**
- MILLING **M**
- SPARE PARTS **P**
- TECHNICAL **R**
- INDEX **T**