


















# CLASSIFICATION (CBN)





CBN

CLASSIFICATION (CBN) TURNING INSERTS


## NEGATIVE INSERTS WITH HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Rhombic 35°	Trigon 80°	
<b>NEW</b> Multi-corner Type Double Sided	G	<b>Flat Top</b>	NP-CNGA_004  ↻ A124	NP-DNGA_004  ↻ A126	NP-SNGA_004  ↻ A128	NP-TNGA_006  ↻ A129	NP-VNGA_004  ↻ A130	NP-WNGA_006  ↻ A131	
<b>NEW</b> Multi-corner Type Double Sided With Wiper		<b>Flat Top</b>	NP-CNGA_00W4  ↻ A124						NP-WNGA_00W6  ↻ A131
Multi-corner Type Single Sided		<b>Flat Top</b>	NP-CNGA_002  ↻ A125	NP-DNGA_002  ↻ A126	NP-SNGA_002  ↻ A128	NP-TNGA_003  ↻ A129	NP-VNGA_002  ↻ A130	NP-WNGA_003  ↻ A131	
Multi-corner Type Single Sided With Wiper		<b>Flat Top</b>	NP-CNGA_00W2  ↻ A124	NP-DNGA_GAW2J_R/L  ↻ A127					NP-WNGA_00W3  ↻ A131









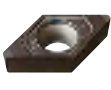






## NEGATIVE INSERTS WITHOUT HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Round
<b>NEW</b> Multi-corner Type Double Sided (Solid CBN)	G	<b>Flat Top</b>	CNGN  ↻ A132	DNGN  ↻ A132	SNGN  ↻ A133	TNGN  ↻ A133	RNGN  ↻ A134












## 5° POSITIVE INSERTS WITH HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Rhombic 35°	Trigon 80°
<b>NEW</b> Multi-corner Type Single Sided	G	<b>Flat Top</b>					NP-VBGW_002  ↻ A135	




### 7° POSITIVE INSERTS WITH HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 80° 	Rhombic 55° 	Square 90° 	Triangular 60° 	Rhombic 35° 	Trigon 80° 	
<b>NEW</b> Multi-corner Type Single Sided	G	<b>Flat Top</b> 	NP-CCGW <sub>B</sub> _002  ↻ A136	NP-DCGW_002  ↻ A138		NP-TCGW_003  ↻ A139	NP-VCGW_002  ↻ A140		
<b>NEW</b> Multi-corner Type Single Sided With Wiper		<b>Flat Top</b> 	NP-CCGW_00W2  ↻ A137						
One-corner Type Single Sided		<b>Flat Top</b> 	NP-CCGW_00  ↻ A137						






### 11° POSITIVE INSERTS WITH HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 80° 	Rhombic 55° 	Square 90° 	Triangular 60° 	Rhombic 35° 	Trigon 80° 
<b>NEW</b> Multi-corner Type Single Sided	G	<b>Flat Top</b> 	NP-CPGB_002  ↻ A141			NP-TPGB_003  ↻ A142		
Multi-corner Type Single Sided		<b>Flat Top</b> 				NP-TPGX_003  ↻ A142		




### 5° POSITIVE INSERTS WITHOUT HOLE

Type	Tolerance	Breaker Name and Cross Section	Triangular 60° 
Multi-corner Type Single Sided	G	<b>Flat Top</b> 	TBGN  ↻ A143

### 11° POSITIVE INSERTS WITHOUT HOLE

Type	Tolerance	Breaker Name and Cross Section	Square 90° 	Triangular 60° 
One-corner Type Single Sided	G	<b>Flat Top</b> 	SPGN  ↻ A144	TPGN  ↻ A144

### SPECIAL PURPOSE INSERTS







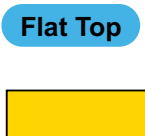

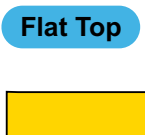




Tool Holder Type	Tolerance	Inserts
<b>DG Type</b>	G	DGJ-CE  ↻ A145
<b>TL Type</b>		RTG-A  ↻ A145
—		RBG  ↻ A145

# CLASSIFICATION (PCD)

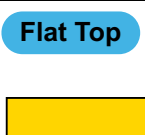

PCD

CLASSIFICATION (PCD) TURNING INSERTS



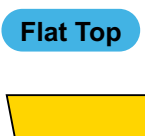



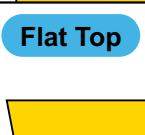




## NEGATIVE INSERTS WITH HOLE

Product Name	Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Rhombic 35°	Trigon 80°
NEW PETIT CUT	One-corner Type Single Sided With Breaker	M	R/L-F 	NP-CNMM_R/L-F  ↻ A146	NP-DNMM_R/L-F  ↻ A146	NP-SNMM_R/L-F  ↻ A147	NP-TNMM_R/L-F  ↻ A148	NP-VNMM_R/L-F  ↻ A148	
		M	Flat Top 	CNMA  ↻ A146					
STANDARD	One-corner Type Single Sided	G	Flat Top 		DNGA  ↻ A146	SNGA  ↻ A147	TNGA  ↻ A148	VNGA  ↻ A148	

## NEGATIVE INSERTS WITHOUT HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Round
One-corner Type Single Sided	G	Flat Top 			SNGN  ↻ A149		

## 7° POSITIVE INSERTS WITH HOLE

Product Name	Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Rhombic 35°	Trigon 80°
NEW PETIT CUT	One-corner Type Single Sided With Breaker	M	Standard 	NP-CCMH  ↻ A150					
		M	Flat Top 	NP-CCMW  ↻ A150					
	M	R/L-F 		NP-DCMT_R/L-F  ↻ A150					
STANDARD	One-corner Type Single Sided	M	Flat Top 	CCMW  ↻ A150	DCMW  ↻ A150		TCMW  ↻ A151		WCMW  ↻ A151
		G							

### 11° POSITIVE INSERTS WITH HOLE

Product Name	Type	Tolerance	Breaker Name and Cross Section	Rhombic 80°	Rhombic 55°	Square 90°	Triangular 60°	Rhombic 35°	Trigon 80°
NEW PETIT CUT	One-corner Type Single Sided With Breaker	M	Standard 	NP-CPMH  ↻ A152					
	One-corner Type Single Sided With Breaker		R/L-F 				NP-TPMX_R/L-F  ↻ A154		
	One-corner Type Single Sided With Breaker		R/L-F 				NP-TPMH_R/L-F  ↻ A154		
STANDARD	One-corner Type Single Sided With Breaker	G	Standard 	CPGT  ↻ A152					WPGT  ↻ A155
	One-corner Type Single Sided		Flat Top 			SPGX  ↻ A153	TPGX  ↻ A154		

### 15° POSITIVE INSERTS WITH HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 35°
One-corner Type Single Sided (For Aluminium) With Breaker	G	R/L 	VDGX_R/L-F  ↻ A156

### 20° POSITIVE INSERTS WITH HOLE

Type	Tolerance	Breaker Name and Cross Section	Rhombic 55°	Triangular 60°
One-corner Type Single Sided (For Aluminium) With Breaker	G	R/L 		TEGX_R/L  ↻ A157
One-corner Type Single Sided (For Aluminium) With Breaker		R/L-F 	DEGX_R/L-F  ↻ A156	
One-corner Type Single Sided (For Aluminium)		Flat Top 		TEGX  ↻ A157

### 11° POSITIVE INSERTS WITHOUT HOLE

Type	Tolerance	Breaker Name and Cross Section	Square 90°	Triangular 60°
One-corner Type Single Sided	G	Flat Top 	SPGN  ↻ A158	TPGN  ↻ A159