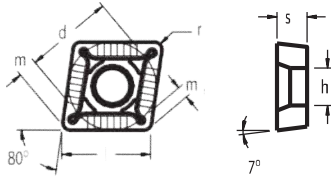


C Style Turning Inserts

CCGT



Dimensions for CCGT and CCMT							
Size	d mm	l mm	s mm	r mm	m mm	m ₁ mm	h mm
060200	6,35	6,45	2,38	0,00	1,75	0,12	2,80
060201	6,35	6,45	2,38	0,10	1,71	0,21	2,80
060202	6,35	6,45	2,38	0,20	1,65	0,30	2,80
060204	6,35	6,45	2,38	0,40	1,54	0,48	2,80
060208	6,35	6,45	2,38	0,80	1,32	0,72	2,80
09T300	9,52	9,57	3,97	0,00	2,63	1,45	4,40
09T301	9,52	9,57	3,97	0,10	2,59	1,42	4,40
09T302	9,52	9,57	3,97	0,20	2,53	1,39	4,40
09T304	9,52	9,57	3,97	0,40	2,42	1,33	4,40
09T308	9,52	9,57	3,97	0,80	2,20	1,21	4,40
120404	12,70	12,90	4,76	0,40	3,31	1,31	5,50
120408	12,70	12,90	4,76	0,80	3,08	1,69	5,50

62 Geometry


Grades	CVD COATED							PVD COATED					UNCOATED			
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number ISO																
CCGT060200E-62																
CCGT060201E-62																
CCGT060202E-62																
CCGT060204E-62																
CCGT09T300E-62																
CCGT09T301E-62																
CCGT09T302E-62																
CCGT09T304E-62																
CCGT09T308E-62																
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2

Indicates stocked item and material application range.

Star Guide Key to Recommended Inserts


Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials

73 Geometry



Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number																
ISO																
CCMT060202E-73		◆	◆													
CCMT060204E-73	◆	◆	◆	◆	◆	◆	◆									
CCMT060208E-73		◆	◆													
CCMT09T304E-73	◆	◆	◆	◆	◆	◆	◆									
CCMT09T308E-73	◆	◆	◆	◆	◆	◆	◆									
CCMT120404E-73		◆	◆													
CCMT120408E-73	◆	◆	◆				◆									

3G Geometry



CCMT060202E-3G							◆									
CCMT060204E-3G				◆			◆									
CCMT060208E-3G							◆									
CCMT09T302E-3G							◆									
CCMT09T304E-3G				◆			◆									
CCMT09T308E-3G			◆	◆			◆									
CCMT120408E-3G							◆									
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
	CVD COATED							PVD COATED						UNCOATED		

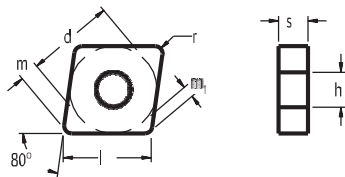
Indicates stocked item and material application range.

Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials



C Style Turning Inserts



Dimensions for CNGG, CNMA, CNMG and CNMM							
Size	d mm	l mm	s mm	r mm	m mm	m ₁ mm	h mm
090308	9,52	9,57	3,18	0,80	2,20	1,21	3,81
120401	12,70	12,90	4,76	0,10	3,47	1,91	5,16
120402	12,70	12,90	4,76	0,20	3,42	1,88	5,16
120404	12,70	12,90	4,76	0,40	3,30	1,81	5,16
120408	12,70	12,90	4,76	0,80	3,08	1,69	5,16
120412	12,70	12,90	4,76	1,20	2,86	1,57	5,16
120416	12,70	12,90	4,76	1,60	2,64	1,45	5,16
160608	15,88	16,10	6,35	0,80	3,97	2,18	6,35
160612	15,88	16,10	6,35	1,20	3,74	2,06	6,35
160616	15,88	16,10	6,35	1,60	3,52	1,94	6,35
160632	15,88	16,10	6,35	3,20	2,65	1,45	6,35
190608	19,05	19,40	6,35	0,80	4,85	2,66	7,92
190612	19,05	19,40	6,35	1,20	4,63	2,54	7,92
190616	19,05	19,40	6,35	1,60	4,41	2,42	7,92
190632	19,05	19,40	6,35	3,20	3,53	1,94	7,92

3F Geometry

Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number ISO																
CNGG120401F-3F								★		★	★					
CNGG120402F-3F								★		★	★					
CNGG120404F-3F								★		★	★	★				
CNGG120408F-3F								★		★	★	★				
CNGG120412F-3F								★		★						
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
	CVD COATED							PVD COATED						UNCOATED		

Indicates stocked item and material application range.

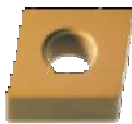
Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials

C Style Turning Inserts

Flat Top

Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number																
ISO																
CNMA120404E							◆									
CNMA120408E							◆	◆								
CNMA120412E							◆	◆								
CNMA120416E							◆									
CNMA160612E							◆	◆								
CNMA160632E							◆									
CNMA190612E							◆									
CNMA190616E							◆									
CNMA190632E							◆									



91 Geometry

CNMG120404E-91								◆		◆						
CNMG120408E-91								◆		◆						
CNMG120412E-91								◆		◆						



1A Geometry

CNMG120402E-1A									◆							
CNMG120404E-1A	◆								◆		◆					
CNMG120408E-1A	◆								◆		◆					



ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	
	CVD COATED							PVD COATED					UNCOATED			

Indicates stocked item and material application range.

Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials



C Style Turning Inserts

CNMG

2B Geometry

Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number																
ISO																
CNMG120404E-2B		◆◆			◆◆		◆◆									
CNMG120408E-2B	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆							◆◆		
CNMG190612E-2B	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆							◆◆		



2N Geometry

CNMG090308E-2N	◆◆															
CNMG120404E-2N	◆◆	◆◆			◆◆			◆◆								
CNMG120408E-2N	◆◆	◆◆	◆◆		◆◆			◆◆						◆◆		
CNMG120412E-2N	◆◆	◆◆			◆◆			◆◆						◆◆		
CNMG160608E-2N					◆◆											
CNMG160612E-2N		◆◆			◆◆											
CNMG190612E-2N		◆◆			◆◆											
CNMG190616E-2N					◆◆											



3G Geometry

CNMG120404E-3G									◆◆							
CNMG120408E-3G	◆◆								◆◆		◆◆					
CNMG120412E-3G	◆◆								◆◆		◆◆					
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades		A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1
		CVD COATED							PVD COATED					UNCOATED		



Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials

3G Geometry *continued*

Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number																
ISO																
CNMG160608E-3G		◆					◆◆									
CNMG160612E-3G	◆						◆◆									



3J Geometry

CNMG120404E-3J		◆◆		◆◆					◆◆		◆◆					
CNMG120408E-3J		◆◆		◆◆					◆◆		◆◆					
CNMG120412E-3J				◆◆					◆◆		◆◆					
CNMG120416E-3J				◆◆							◆◆					
CNMG160608E-3J									◆◆		◆◆					
CNMG160612E-3J				◆◆					◆◆		◆◆					
CNMG190612E-3J				◆◆							◆◆					
CNMG190616E-3J				◆◆							◆◆					



3M Geometry

CNMG120408E-3M	◆								◆◆		◆◆					
CNMG120408E-3M	◆								◆◆		◆◆					
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	
	CVD COATED							PVD COATED					UNCOATED			



Indicates stocked item and material application range.

Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials

C Style Turning Inserts

CNMG

4T Geometry

Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number																
ISO																
CNMG120404E-4T		★					★									
CNMG120408E-4T	★	★	★	★	★		★							★		
CNMG120412E-4T	★	★	★	★	★		★									
CNMG120416E-4T	★	★	★	★	★		★									
CNMG160608E-4T		★		★			★									
CNMG160612E-4T	★	★		★	★		★							★		
CNMG160616E-4T	★	★		★	★		★									
CNMG190608E-4T	★	★		★	★		★									
CNMG190612E-4T	★	★		★	★		★							★		
CNMG190616E-4T	★	★		★	★		★							★		



4U Geometry

CNMG120408E-4U			★				★									
CNMG120412E-4U			★				★									
CNMG120416E-4U			★				★									
CNMG160612E-4U							★									
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
	CVD COATED							PVD COATED						UNCOATED		



Indicates stocked item and material application range.

Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials

C Style Turning Inserts

CNMG, CNMM

5V Geometry

Grades	CVD COATED							PVD COATED						UNCOATED		
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number																
ISO																
CNMG120408E-5V							◆									
CNMG120412E-5V					◆		◆									
CNMG160616E-5V					◆											
CNMG190612E-5V					◆		◆									
CNMG190616E-5V					◆		◆									



4M Geometry

CNMM120408E-4M		◆	◆													
CNMM190612E-4M	◆	◆	◆	◆	◆											
CNMM190616E-4M		◆	◆	◆	◆											
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Grades	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
	CVD COATED							PVD COATED						UNCOATED		



Indicates stocked item and material application range.

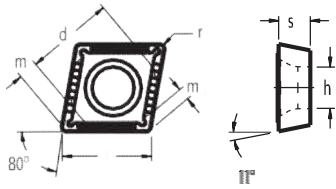
Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials



C Style Turning Inserts

CPMT



Dimensions for CPMT							
Size	d mm	l mm	s mm	r mm	m mm	m ₁ mm	h mm
060204	6,35	6,40	2,38	0,40	1,54	0,85	2,80

73 Geometry

Grades	CVD COATED							PVD COATED					UNCOATED			
	A250	A05040	A04030	A0706	A0400	A01519	A037	751	750	752	750S	4064	751S	PH21	PH1	PH2
ISO GRADE DESIGNATION	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HF	HF
Part Number ISO																
CPMT060204E-73	◆◆				◆◆											
	◆◆				◆◆											

◆◆ Indicates stocked item and material application range.

Star Guide Key to Recommended Inserts

Material Designations							
P	Unalloyed Steels	M	Stainless Steels	K	Cast Irons	S	High Temp. Alloys
P	Alloyed Steels	M	PH Stainless	N	Aluminium & Alloys	H	Hard Materials