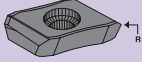


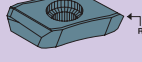


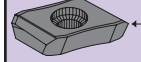
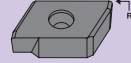
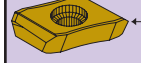
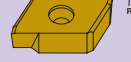
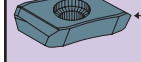



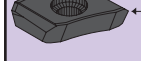
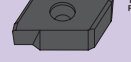


THE TRUE HELICAL POSITIVE MILLING CUTTER

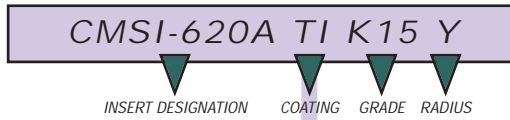
INSERT SELECTION FOR ALL MATERIALS (EXCEPT ALUMINUM AND TITANIUM)

Shape Inserts	Insert No.	Radius Code	Radii		Grades P-25 / P-40	Grades K-15 / K-30	
			in.	mm			
	UNCOATED CMSI-387 CMSI-450 CMSI-465 CMSI-620	—	.031	.75	Steels Malleable Cast Irons Free Cutting Steels	Grey Cast Irons Copper Alloys	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687 CMEI-687W	Z	.125	3.00			
	TIN CMSI-387TI CMSI-450TI CMSI-465TI CMSI-620TI	—	.031	.75	Carbon Steels Tool Steels Alloyed Steels	All Cast Irons	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687TI CMEI-687WTI	Z	.125	3.00	Austenitic/Martensitic Stainless Steels	Nickel Based Alloys	
	TICN CMSI-387TC CMSI-450TC CMSI-465TC CMSI-620TC	—	.031	.75	Carbon Steels Tool Steels	Hard Grey Cast Irons Silicon Aluminum	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687TC CMEI-687WTC	Z	.125	3.00	Stainless Steels Hard Cast Irons	High Temperature Alloys	
	TIALN CMSI-387TA CMSI-450TA CMSI-465TA CMSI-620TA	—	.031	.75	Materials difficult to machine Abrasive Materials	Nickel Based Alloys, High Temperature Alloys Stainless Steels Ideal for Roughing	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687TA CMEI-687WTA	Z	.125	3.00			
	TIALN SUPREME CMSI-387SU CMSI-450SU CMSI-465SU CMSI-620SU	—	.031	.75	Materials difficult to machine Abrasive Materials	Stainless Steels - 400 Series - 15-5 PH - 17-4 PH Nickel Based Alloys Ideal for Roughing Waspalloy Hastalloy	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687SU CMEI-687WSU	Z	.125	3.00			

INSERT SELECTION FOR ALUMINUM AND TITANIUM



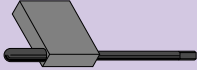
Shape Inserts	Insert No.	Radius Code	Radii		Grade K-15	Grade K-30	
			in.	mm			
	UNCOATED CMSI-387A CMSI-450A CMSI-465A CMSI-620A	—	.031	.75	Aircraft Aluminum	Max. toughness for all Aluminum Alloys	
			X	.062			1.50
			Y	.093			2.50
	CMEI-6820 CMEI-687C	Z	.125	3.00			
	TIN CMSI-387ATI CMSI-450ATI CMSI-465ATI CMSI-620ATI	—	.031	.75	All Aluminum Alloys	Max. toughness for all Aluminum Alloys	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687CTI	Z	.125	3.00			
	TICN CMSI-387ATC CMSI-450ATC CMSI-465ATC CMSI-620ATC	—	.031	.75	Maximum Life Silicon Aluminum	Silicon Aluminum Titanium Alloys	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687CTC	Z	.125	3.00			
	TIALN CMSI-387ATA CMSI-450ATA CMSI-465ATA CMSI-620ATA	—	.031	.75	Finishing cuts in Titanium Alloys	Roughing Cuts in Titanium Alloys	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687CTA	Z	.125	3.00			
	TIALN SUPREME CMSI-387ASU CMSI-450ASU CMSI-465ASU CMSI-620ASU	—	.031	.75	Finishing cuts in Titanium Alloys	Roughing Cuts in Titanium Alloys and all Aluminum Alloys	
			X	.062			1.50
			Y	.093			2.50
	CMEI-687CSU	Z	.125	3.00	All Aluminum Alloys		

ORDERING EXAMPLE



▶ COATING DESIGNATION
 TI = TIN
 TC = TICN
 TA = TIALN
 SU = TIALN SUPREME

SCREWS AND DRIVERS

SCREW	Screw No.	DRIVER	Driver No.	FLAGWRENCH	Driver No.
	SCS-30 SCS-35 SCS-45		— ST-10 ST-15		FT-08 FT-10 FT-15

NOTES:

- When ordering Megamill with end radius inserts, side inserts CMSI – 465, CMSI – 620 should be ordered together with end inserts CMEI-878C or CMEI-687W.
- Left hand inserts available on request.
- Packaging: Inserts are sold in boxes of 10.