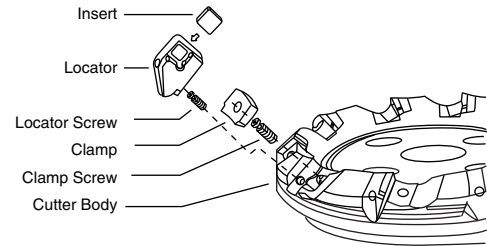


sumiMill Series Indexable Shell Mills

Negative Positive Face Mill



FPG 400 & 500 Face Mill Series

<p>*Lead Angle: 45° *Axial Rake Angle: 15° *Radial Rake Angle: -4°</p>	<p>Fig. 1</p>			<p>Fig. 2</p>			<p>Fig. 3</p>										
	Dimensions											No. of Teeth	Max. D.O.C.	Figure	I.C.		
Catalog Number	D	D ₁	F	d	d ₁	d ₂	d ₃	a	b	E							
FPG403R	3.000	3.921	1.969	1.000	—	—	—	0.375	0.250	1.000	4	1/4	1	.500			
FPG404R*	4.000	4.874	2.362	1.500	—	—	—	0.625	0.406	1.500					5	2	.500
FPG405R*	5.000	5.843	2.362	1.500	—	—	—	0.625	0.406	1.500							
FPG406R**	6.000	6.811	2.362	2.000	—	—	—	0.750	0.437	1.500	8	1	.625				
FPG408R	8.000	8.835	2.362	2.500	4.000	.709	1.024	1.000	0.531	1.500				10	2	.625	
FPG410R/L	10.000	10.811	2.756	2.500	4.000	.709	1.024	1.000	0.531	1.750							12
FPG412R	12.000	12.795	2.756	2.500	4.000	.709	1.024	1.000	0.531	1.750	14	1	.625				
FPG503R	3.000	3.921	1.969	1.000	—	—	—	0.375	0.250	1.000				4	21/64	.625	
FPG504R*	4.000	4.874	2.362	1.500	—	—	—	0.625	0.406	1.500							5
FPG505R*	5.000	5.843	2.362	1.500	—	—	—	0.625	0.406	1.500	6	3	.625				
FPG506R**	6.000	6.811	2.362	2.000	—	—	—	0.750	0.437	1.500				8	1	.625	
FPG508R	8.000	8.835	2.362	2.500	4.000	.709	1.024	1.000	0.531	1.500							10
FPG510R	10.000	10.811	2.756	2.500	4.000	.709	1.024	1.000	0.531	1.750	12	3	.625				
FPG512R	12.000	12.795	2.756	2.500	4.000	.709	1.024	1.000	0.531	1.750				14	1	.625	

*Requires BFX3/4x16 arbor screw

**Requires BFX1x14 arbor screw

FPG Cutters accommodate either 1/2" or 5/8" I.C. Inserts by using the appropriate Locator.

Inserts

	<p>Figure 1</p>		<p>Figure 2</p>												
	Coated		Cermet	Uncoated	PCD	Dimensions (Inches)									
Sumitomo Cat. No.	ACZ310	ACZ330	ACZ350	AC230	AC325	AC311	EP20Z	T250A	A30N	G10E	DA150	I.C.	T	Facet Width	Figure
SDKN42M	•	•	•	•	•	•	•	•	•	•	•	0.500	0.125	0.0781	1
SDKN42MT	•	•	•	•	•	•	•	•	•	•	•	0.625	0.1875	0.0781	
SDKN53M	•	•	•	•	•	•	•	•	•	•	•	0.500	0.125	0.0781	
SDMR42M	•	•	•	•	•	•	•	•	•	•	•	0.500	0.125	0.0781	

"M" denotes honed inserts

"MT" denotes inserts with a T-Land

Hardware

Catalog Number	Locator	Clamp	Clamp Screw**	Locator Screw*	Clamp Wrench	Locator Wrench
FPG4□□R	LFP4R	FPWR	FBX0817	FBH0512	TH040	TH030
FPG5□□R	LFP5R					

*Torque specification for FBH0512=58-62 in/lbs.

**Torque specification for FBX0817=44-49 in/lbs.

MILLING