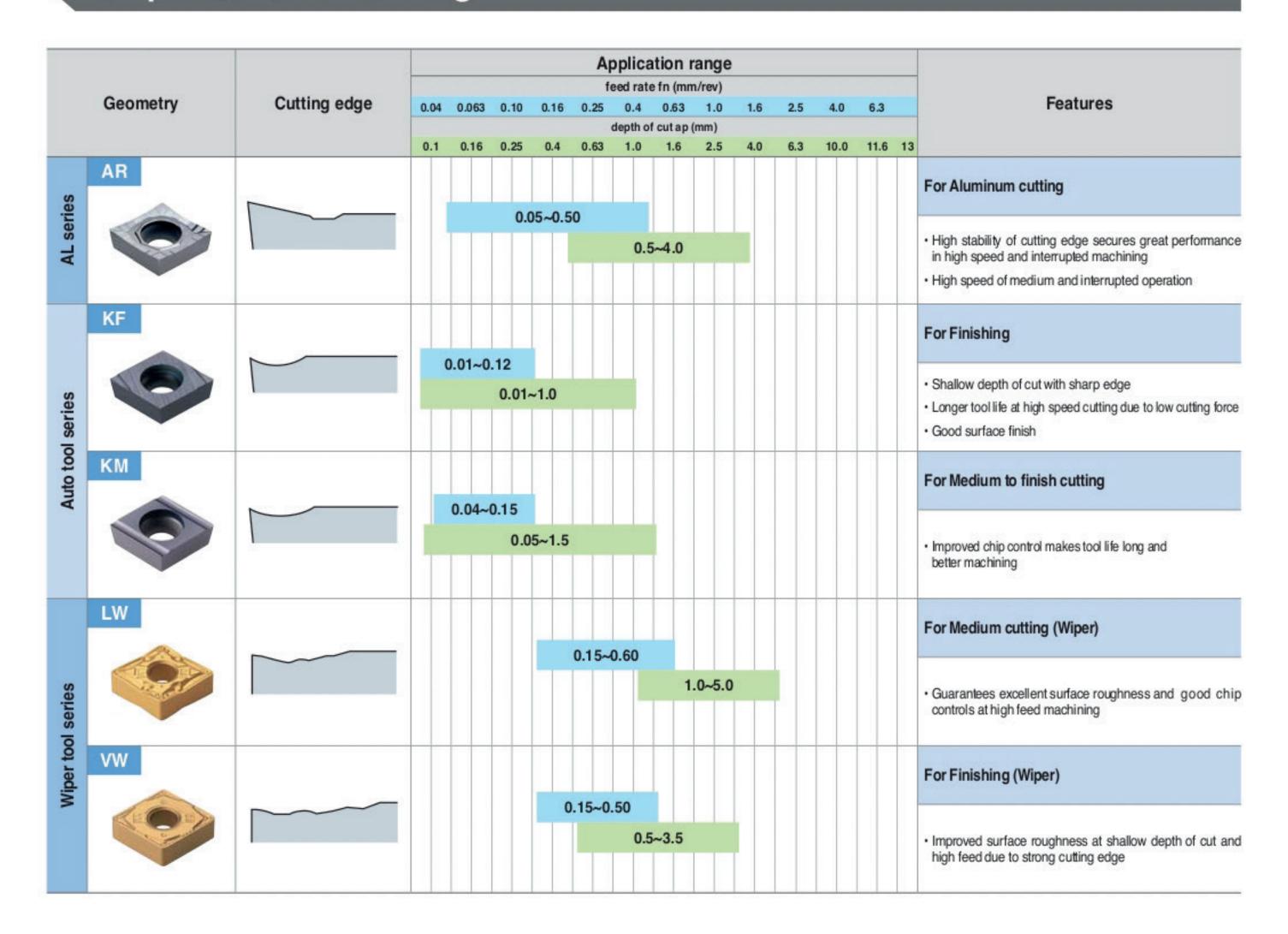
Chip breaker for turning



Chip breaker for milling

		Application range														
		Cutting edge					f									
	Geometry		0.04 0.063 0.10 0.16 0.25 0.4 0.63 1.0 1.6 2.5 4.0 6.3													Features
			depth of cut ap (mm) 0.1 0.16 0.25 0.4 0.63 1.0 1.6 2.5 4.0 6.3 10.0 11.6 13													
	MX				Т						Т		П	П	Τ	For Roughing
MX series			0.10~0.3				0.30									
									1	0~5.0						Possible to increase productivity through increase fee
										0-0.0	Т					and depth Excellent heat resistance due to the special chip break design of top face of insert
Rich Mill series-RM3	MA	9														For Aluminum milling
						5~0.4		1.0~8.0							Sharp cutting edge for low cutting load, which is ideal for machining steel, hard-to-cut materials and aluminum	
	ML															For machining hard-to-cut materials
					1.0~8.0							Low cutting resistance for light cutting and machining hard-to-cut materials with excellent tool life and surface roughness				

Notice: Application ranges are based on main cutting material



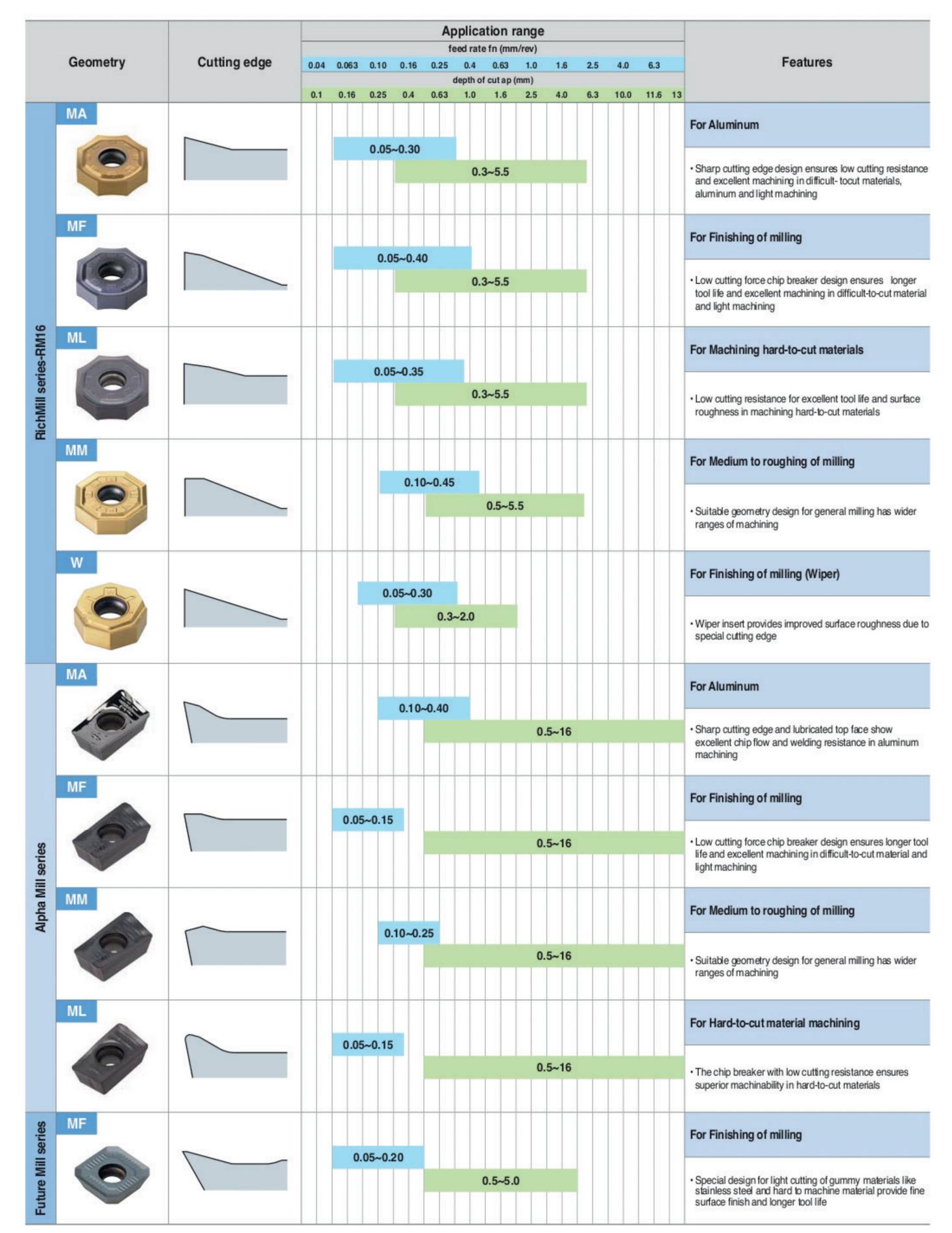


Chip breaker for milling

		Cutting edge	Application range feed rate fn (mm/rev)													
	Geometry		0.04	0.063	0.10	0.16	0.25	0.4 depth of	0.63	1.0	1.6	2.5	4.0	6.3		Features
Rich Mill series-RM3	MM		0.1	0.16	0.25	0.4 i~0.35	0.63	1.0	1.6	1.0~	4.0	6.3	10.0	11.0	5 13	For Medium to roughing • Available for most of applications with universal design for general milling
Il series-RM4	MA				0.05~(0.25					For Aluminum milling • Sharp cutting edge design ensures low cutting resistance					
	MF				0.05	-0.30										and excellent machining in difficult- tocut materials, aluminum and light machining For Finishing of milling
Rich Mill ser	MM				0.00	0.00				0.	5~14.0					Low cutting force chip breaker design ensures longer tool life and excellent machining in difficult-to-cut material and light machining
					0.05	-0.30					1.0~	14.0				Suitable geometry design for general milling has wider ranges of machining
	MA				0.05	~0.35		0.3	3~6.0							Sharp cutting edge and lubricated top face show excellent chip flow and welding resistance in aluminum machining
series-RM8	MF				0.05	~0.35		0.3	3~6.0							For Finishing of milling Low cutting force chip breaker design ensures longer tool life and excellent machining in difficult-to-cut material and light machining
Rich Mill ser	ML			0.05~0.30											For Machining hard-to-cut materials	
	MM					0.10	~0.40									Low cutting resistance for excellent tool life and surface roughness in machining hard-to-cut materials For Medium to roughing of milling
						0.10	~0.40		0.5~	6.0						Suitable geometry design for general milling has wider ranges of machining
Rich Mill series-RMT	MF			0.	05~0.2	20		(0.5~5.	0						Low cutting force chip breaker design ensures longer tool life and excellent machining in difficult-to-cut material and light machining
	MM				0.05	-0.30			0.5	~8.0						For Medium to roughing of milling - Suitable geometry design for general milling has wider ranges of machining

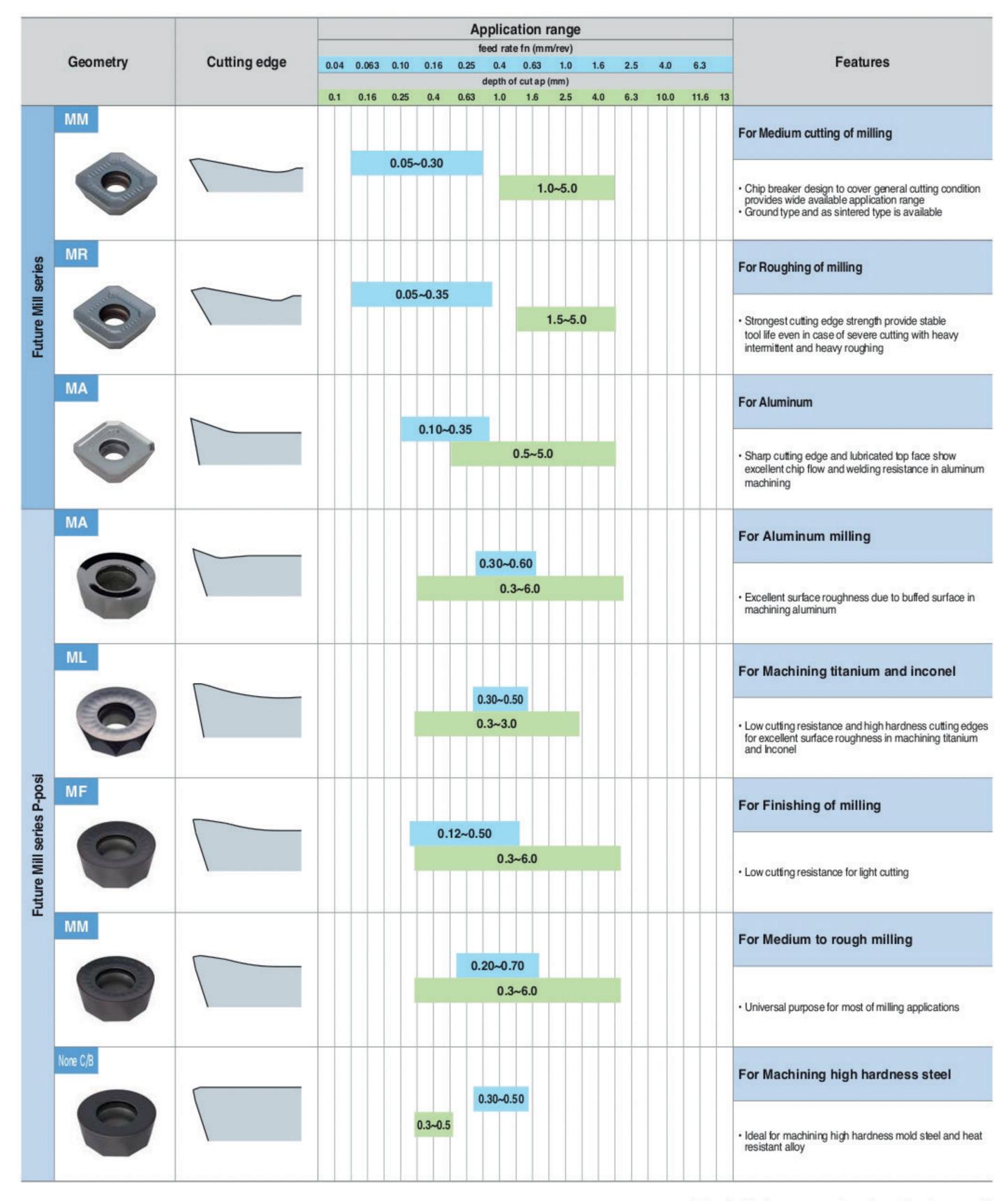


Chip breaker for milling



A Chip Breakers

Chip breaker for milling



Notice: Application ranges are based on main cutting material