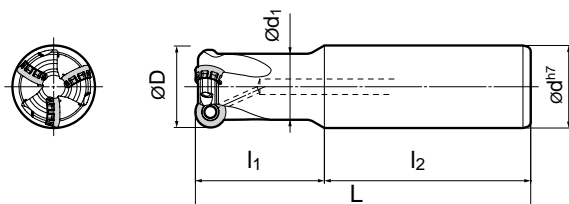


# Wave Radius Mill RSX(F)10000/12000 ES Type

Milling of exotic alloys and stainless steel

## Body – Dimensions



Rake Angle	Radial	-5° ~ -8°
	Axial	10°



(10000ES)



(12000ES)



## Body (RSX10000ES, Standard)

Cat. No.	Stock	Dimensions (mm)						No. of teeth	Weight (kg)
		ØD	Ød	Ød1	l1	l2	L		
RSX 10025ES	●	25	25	20,3	50	80	130	2	0,4
10032ES	●	32	32	27,1	50	80	130	3	0,7

## Body (RSX12000ES, Standard)

Cat. No.	Stock	Dimensions (mm)						No. of teeth	Weight (kg)
		ØD	Ød	Ød1	l1	l2	L		
RSX 12032ES	●	32	32	25,6	50	80	130	2	0,7

## Body (RSXF10000ES, Fine Pitch)

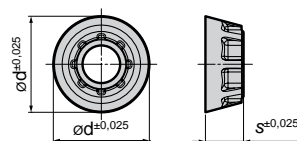
Cat. No.	Stock	Dimensions (mm)						No. of teeth	Weight (kg)
		ØD	Ød	Ød1	l1	l2	L		
RSXF10025ES	●	25	25	20,3	50	80	130	3	0,4
10032ES	●	32	32	27,1	50	80	130	4	0,7

## Body (RSXF12000ES, Fine Pitch)

Cat. No.	Stock	Dimensions (mm)						No. of teeth	Weight (kg)
		ØD	Ød	Ød1	l1	l2	L		
RSXF12032ES	●	32	32	25,6	50	80	130	3	0,7

## Inserts

Application	Grade								
High Speed/Light Cut	M	S							
General Purpose	M	S	M						
Roughing			M						
Cat. No.	ACM100	ACM200	ACM300	Dimens.		Applicable Cutters			
				Ød (IC)	S				
RDET 10T3M0EN G	●	●	●	10	3,97	RSX(F) 10000ES			
10T3M0EN H	●	●	●	10	3,97				
RDET 1204M0EN G	●	●	●	12	4,76	RSX(F) 12000ES			
1204M0EN H	●	●	●	12	4,76				



Cutting Edge Cross Section



G - Type



H - Type

M0: IC is metric

## Spare Parts

Applicable Cutters	Wrench	Screw	Recommended Tightening Torque (N·m)
RSX(F) 10000ES	TRDR15IP	BFTX03584IP	3,0
RSX(F) 12000ES		BFTX0409IP	3,0

## Cutter Identification

**RSX**

Cutter Series

**F**

Fine Pitch Type

**10**

Insert Size

**025**

Cutter Diameter

**ES**

Endmill Type

## Recommended Cutting Conditions

Min.-Optimum-Max.

ISO	Work Material			Hardness	Cutting Speed v <sub>c</sub> (m/min)	Feed Rate f <sub>t</sub> (mm/t)	Grade
M	Stain- less Steel	Cr Based	Ferritic	200HB	150- <b>180</b> -200	0,15- <b>0,25</b> -0,35	ACM300
			Martensitic	200-330HB	80- <b>120</b> -180	0,15- <b>0,25</b> -0,35	ACM300
		Cr-Ni Based	Austenitic	200HB	150- <b>180</b> -200	0,15- <b>0,25</b> -0,35	ACM300
			Austenitic, ferritic	230-270HB	80- <b>120</b> -180	0,15- <b>0,25</b> -0,35	ACM200
			Precipitation hardening	330HB	60- <b>100</b> -160	0,15- <b>0,25</b> -0,35	ACM200
S	Heat resistant alloy		Ni based material	250-350HB	20- <b>30</b> - 40	0,10- <b>0,20</b> -0,30	ACM100 ACM200
	Titanium		Pure Titanium	(Rm400)	60- <b>80</b> -100	0,10- <b>0,20</b> -0,30	
			$\alpha + \beta$ alloy system	(Rm1050)	40- <b>50</b> - 60	0,10- <b>0,20</b> -0,30	

● = Euro stock

G20/G21

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