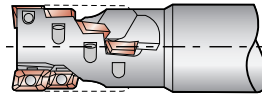
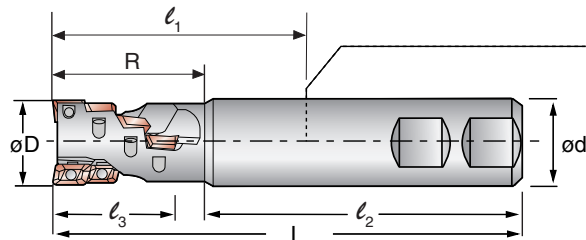


Wave Mill Series Indexable End Mills

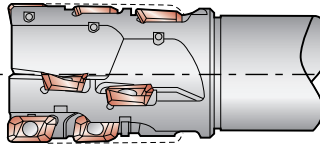
WRM End Mills

Features and Benefits

- Ideal for roughing operations thanks to efficient high shear cutting action and ZX coated inserts
- Low horsepower consumption means roughing operations possible on less powerful machines
- Flute design provides excellent chip evacuation
- Uses same APMT/APET inserts as WMM and WEM cutters
- Suitable for a variety of workpiece materials.



Style 1 (.750 through 1.500 "D" Dia)



Style 2 (2.000 "D" Dia. only)



WRM Weldon Shank Series

Catalog Number	"D" dia.	"d" dia.	L	l ₁	R	l ₂	l ₃ Max. D.O.C.	# of Inserts	Insert
WRM10075M	0.750	0.750	3.500	1.4844	1.470	2.031	1.0472	4	AP_T10
WRM10100M	1.000	1.000	4.250	1.9894	1.970	2.281	1.3937	8	AP_T10
WRM10125M	1.250	1.250	4.500	2.2394	2.220	2.281	1.7402	10	AP_T10
WRM10150M	1.500	1.250	5.000	2.7394	2.719	2.281	2.0866	14	AP_T10
WRM16200M	2.000	1.250	5.000	2.7394	2.719	2.281	2.4016	10	AP_T16

Note: Calculate the effective number of teeth as one (1) tooth for the WRM10075M. All others should be calculated as two (2) teeth.

Inserts

Sumitomo Cat. No.	Figure 1				Figure 2				L	W	T	R	Facet Width	Figure
	Coated	Uncoated			Dimensions (Inches)									
	ACZ310	ACZ330	ACZ350	DL1000	H1									
APET103504PDER	•	•	•	•					0.394	0.250	0.138	0.016	0.0315	1
APET103504PDFR-J	•	•	•	•								0.0315		
APET160504PDFR-J	•	•	•	•								0.0827		
APET160508PDER	•	•	•	•					0.630	0.375	0.218	0.031	0.071	
APET160508PDFR-J	•	•	•	•								0.031	0.071	
APMT103504PDER	•	•	•	•								0.016		2
APMT103504PDER-H	•	•	•	•								0.016		
APMT103508PDER	•	•	•	•					0.394	0.250	0.138	0.031		
APMT103508PDER-H	•	•	•	•								0.031		
APMT103512PDER	•	•	•	•								0.047		
APMT103512PDER-H	•	•	•	•								0.047		
APMT160508PDER	•	•	•	•								0.031	N/A	
APMT160508PDER-H	•	•	•	•								0.031		
APMT160512PDER	•	•	•	•					0.630	0.375	0.218	0.047		
APMT160512PDER-H	•	•	•	•								0.047		
APMT160516PDER	•	•	•	•								0.063		
APMT160516PDER-H	•	•	•	•								0.063		
APMT160532PDER-H	•	•	•	•								0.125		

"J" denotes inserts with a polished face.
"H" denotes inserts with heavy edge preparation.

Hardware

Catalog Number	Screw	Wrench
WRM10□□□M	BFTX02506N	TRD08
WRM16□□□M	BFTX03588	TRD15

Torque specifications for BFTX02506N insert screw=10-14 inch/lbs.

Torque specifications for BFTX03588 insert screw=27-31 inch/lbs.

**See pages 92-93
For recommended running
parameters**



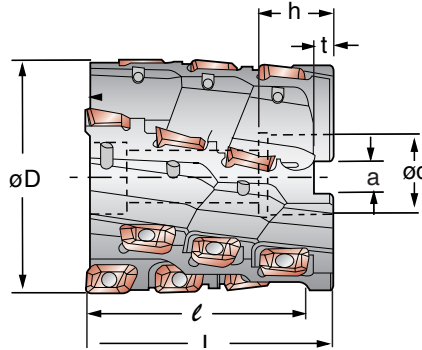
When periphery milling be sure to adjust feed rates for radial chip thinning

Wave Mill Series Indexable End Mills

WRM Shell Mills

■ Features and Benefits

- Ideal for roughing operations thanks to efficient high shear cutting action and ZX coated inserts
- Low horsepower consumption means roughing operations possible on less powerful machines
- Flute design provides excellent chip evacuation
- Uses same APMT/APET inserts as WMM and WEM cutters
- Suitable for a variety of workpiece materials.



WRM Shell Mill Series

Catalog Number	Dimensions (inches)						ℓ Max D.O.C.	# of Inserts		Insert
	øD	ød	L	h	t	a		Total	Flutes	
WRM16250H	2.500	1.000	2.750	1.023	.236	.375	2.400	10	2	AP_T16
WRM16300H	3.000	1.250	3.375	1.260	.315	.500	2.875	18	3	AP_T16

Inserts

Sumitomo Cat. No.	Figure 1				Figure 2				Dimensions (Inches)		Figure
	Coated		Uncoated		L	W	T	R	Facet Width		
	ACZ310	ACZ330	ACZ350	DL1000						H1	
APET160504PDFR-J	•	•	•	•	0.630	0.375	0.218	0.016	0.0827	1	
APET160508PDER	•	•	•	•					0.031		
APET160508PDFR-J	•	•	•	•					0.071		
APMT160508PDER	•	•	•	•	0.630	0.375	0.218	0.031	N/A	2	
APMT160508PDER-H	•	•	•	•							
APMT160512PDER	•	•	•	•							
APMT160512PDER-H	•	•	•	•	0.630	0.375	0.218	0.047	N/A	2	
APMT160516PDER	•	•	•	•							
APMT160516PDER-H	•	•	•	•							
APMT160532PDER-H	•	•	•	•	0.630	0.375	0.218	0.063	N/A	2	
APMT160532PDER-H	•	•	•	•							0.125

“J” denotes inserts with a polished face.
“H” denotes inserts with heavy edge preparation.

Hardware

Catalog Number	Screw	Wrench
WRM16□□□H	BFTX03588	TRD15

Torque specifications for BFTX03588 insert screw=27-31 inch/lbs.

**See pages 92-93
For recommended running
parameters**