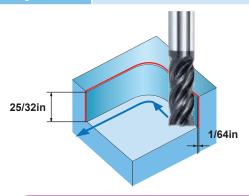


• VSM-4E Endmills Finish Workpiece Corners with High Efficiency

Tool Type	VSM-4E-3/8"	
Workpiece Material	SUS304	
Rotating Speed	6400 RPM	
Feed Rate	64 IPM (.0025/ tooth)	
Cooling Method	Water-Soluble Coolant	



Note: VSM-4E Endmills can effectively suppress vibration and improve the surface quality of the corners of workpiece.



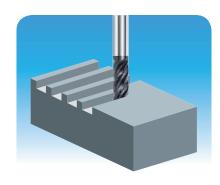
• VSM-4E-1/2" Slot Milling of Stainless Steel

Machine Tool	MIKRON UCP1000
Tool Holder	HSK63-A
Workpiece Material	1Cr18Ni9Ti
Cutting Speed	3150 RPM
Feed Rate/ Tooth	0.002/ tooth
Axial Cutting Depth	1/4"
Radial Cutting Depth	1/2"
Cooling Method	Water Cooling
Milling Style	Slot Milling
Overhang	1-3/8"

Note: • Compare with similar products, VSM

Endmills have better wear resistance and longer tool life.

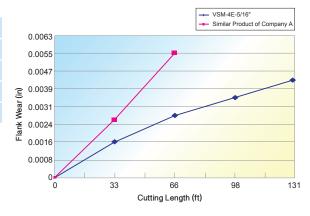
• Compare with ordinary endmills, VSM series have a much better chipping resistance.

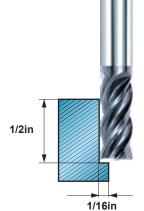




• VSM-4E-5/16" Side Milling Machining Life Expectancy

Tool Type	VSM-4E-5/16"	
Workpiece Material	SUS304	
Rotating Speed	4000 RPM	
Feed Rate	38 IPM (.0025/ tooth)	
Cooling Method	Water-Soluble Coolant	









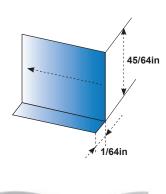


VSM-4E-5/16"

Similar Product of Company A

• VSM-4E-1/2" Surface Roughness of Stainless Steel Side Machining Comparison

Workpiece Material	1Cr18Ni9Ti	Radial Cutting Depth	0.0118"
Cutting Speed	262 SFM	Cooling Method	Water Cooling
Feed Rate/ Tooth	0.003/ tooth	Milling Style	Side Milling
Axial Cutting Depth	.7"	Overhang	1-1/2"



- Note: Compare to similar products of other manufacturers, VSM series have the most ideal surface quality after machining.
 - Due to the damping effect, the VSM series have less surface roughness.

Parallel Feeding Roughness Value Comparison Chart (Side)

