Strictly Confidential



HF4 programming

October 7, 2020



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Program R

Programmed Corner Radius RP	Overcut
2mm (.079")	0mm (.000")
2.5mm (.098")	0.18mm (.007")
3mm (.118")	0.36mm (.014")



For any application where you are going up against a wall, machining a full slot, or profiling, you <u>MUST</u> program a 2mm (.079") corner radius.

Any larger programmed corner radius and you will cut outside of nominal diameter, which *will cause catastrophic failure* as soon as total depth of cut exceeds 1mm (0.9mm for the 16mm (0.625")





If the application is **face** *milling only* and flatness is the primary concern, program a corner radius of 3mm (.118") as this will generate the smallest Uncut Thickness (scallops on the floor).



Thickness UTCN
1mm (.012")
3mm (.007")
7mm (.003")







Because of chip thinning, it is *CRUCIAL* to increase your feed rate to the proper level. Failure to do so will cause shortened tool life (due to insufficient thermal evacuation) and reduced chip evacuation from the cutting zone.

- The shorter the overhang, the higher the feed.
- The lower the depth of cut the higher the feed.





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