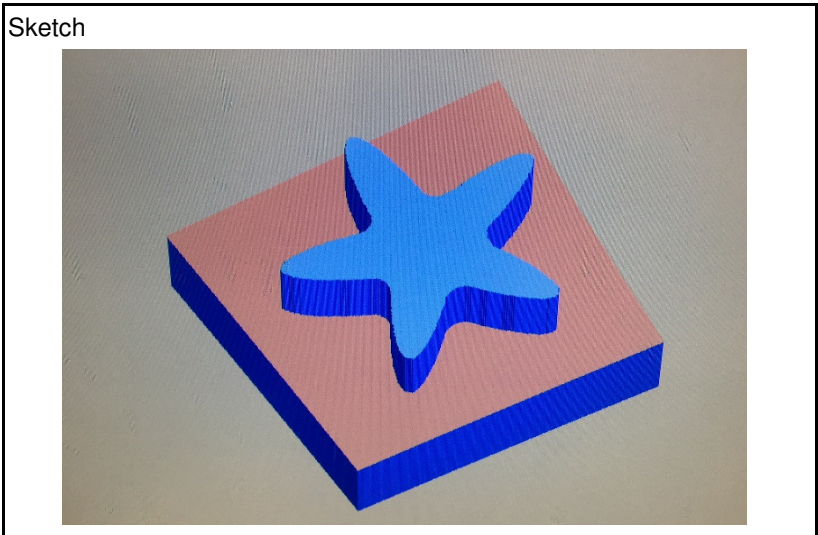


Machine	DMG	
Spindle type		
Max RPM		
Power Kw		
Cutter holder	Shrink	
Workpiece material	1.2379	
Hardness	Not Hardened	
Application		
Side milling	<input checked="" type="checkbox"/>	Up-milling <input type="checkbox"/>
Slotting	<input type="checkbox"/>	Down-milling <input checked="" type="checkbox"/>
Profiling	<input type="checkbox"/>	Ramping <input type="checkbox"/>
Plunging	<input type="checkbox"/>	Circular <input checked="" type="checkbox"/>



Cutter supplier	
Cutter description	
Cutter diameter eff.	Ød mm
Number of teeth	z
Carbide grade	

Test 1	Test 2
Competitor	van Hoorn Carbide
	VHTS 6 120 083 12 04
12	12
4	6

Cutting conditions	
Cutting speed	V _c m/min
Revolution	n rpm
Feed per tooth	f _z mm
Table feed	V _f mm/min
Depth of cut	a _p mm
Width of cut	a _e mm
Length of cut	L mm
Chip removal rate	Q cm ³ /min
Chip thickness	Hm mm
Coolant type	
Coolant pressure	Bar
Cutting time / comp	T _{comp} min
Toollife	T _{total} min
Power consumption	P Kw
Edge wear	V _b mm
Successful	

150	148
3.978	3.922
0,100	0,128
1.587	3.006
34	24
0,6	0,8
32,37	57,72
0,02230	0,03298
dry / air / minimum lub. / emulsion	dry / air / minimum lub. / emulsion
Internal External	Internal External
Yes Average / No	Yes / Average / No

Remarks
Trochoidal milling against competitor, productivity raised with 80%!

Productivity raised with 80%!