Test report

Application Details

VAN HOORN CARBIDE

Machine Tool & Material	
Machine	
Spindle type	
Max RPM	
Power Kw	
Cutter holder	
Workpiece material	
Hardness	

Application			
Side milling		Up-milling	
Slotting		Down-milling	
Profiling		Ramping	
Plunging		Circular	

Tool Details		
Endmill supplier		
Endmill description		
Endmill diameter	Ød	mm
Number of teeth	z	
Carbide grade		

Cutting Conditions & Parameters		
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	min
Power consumption	P	Kw
Edge wear	V_b	mm

Sketch

Tests

dry / air / minimum lub / emulsion	dry / air / minimum lub / emulsion
Internal: External:	Internal: External: