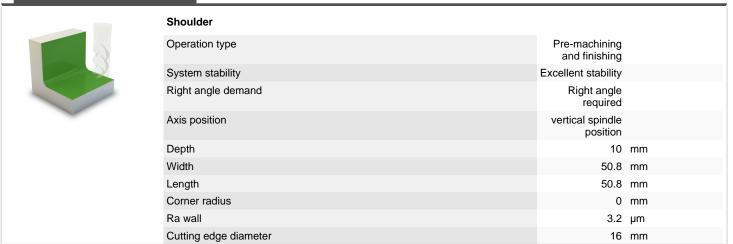


Summary of cutting data for Shoulder

Material details

JIS, A5052, Hardness: 55 HB, Material group:N1.2.Z.UT

Task details



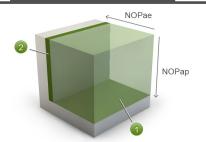
Recommended solution

Machining	Type of cooling	Coolant	Description	Grade	Tmf [min:s]	
Shoulder Milling	External	Emulsion 10%	Perform	WJ30ED	00:59.820	

	Tool	MC232-16.0W3BC-WJ30ED
	Туре	Body
	No. of pieces	1
	Description	Perform
Image similar		



Cutting data



Legend

Premachining

Finishing





Working engagement (ar)	2.29	0.32	mm
Depth of cut (a _p)	2	2	mm
Number of passes in AE direction (NOPae)	22	1	
Number of passes in AP direction (NOPap)	5	5	
Cutting speed (vc)	400	386	m/min
Spindle speed (n)	7960	7680	1/min
Feed per tooth (fz)	0.328	0.305	mm
Feed speed at the contour (vfe)	7830	7030	mm/min
Cutting power (Pc)	0.363	0.0515	kW
Cutting torque (Mc)	0.436	0.0641	Nm
Maximum chip thickness (hex)	0.23	0.0854	mm
Material removal rate (Q)	35.9	4.5	cm3/min
Total cutting time (Tc tot)	00:49.560	00:02.850	min:s
Total non-cutting time (Tnc tot)	00:07.140	00:00.297	min:s
Tool life length (LifeLength)	3484.24	10302.32	m
Tool life time (LifeTime)	440	1500	min

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