

To peça acopladora

Subject: monociclo

desbaste e acabamento robodrill high speed

## Summary of cutting data for Plain surface

#### **Material details**

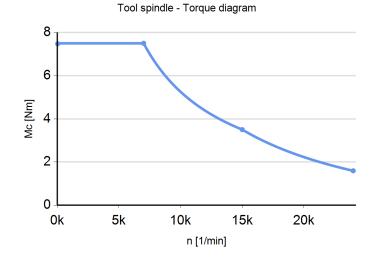
Walter Code, N1, Hardness: 30 HB, Material group:N1.1.Z.UT

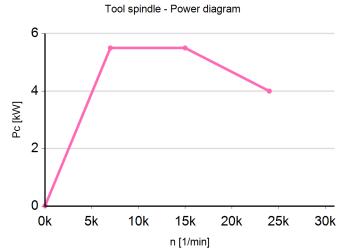
## Task details

Machine

	Plain surface		
	Operation type	Pre-machining and finishing	
	System stability	Excellent stability	
	Depth	1	mm
	Width	50.8	mm
	Length	50.8	mm
	Ra bottom	3.2	μm
	Cutting edge diameter	64	mm

# FANUC RoboDRILL α-D14LiB (High Speed)





# Recommended solution

Machining	Type of cooling	Coolant	Description	Grade	Tmf [min:s]	
Face Milling	External	Emulsion 10%	Xtratec XT	WK10	00:02.802	





**Tool** M5009-050-B22-04-06-AP

**Type** Body

No. of pieces 1

Description Xtratec XT

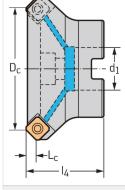
Image similar



Tool	SNHX1205ANN-K88 WK10
Туре	Insert periphery (A) INS_A
No of nieces	4

Image similar

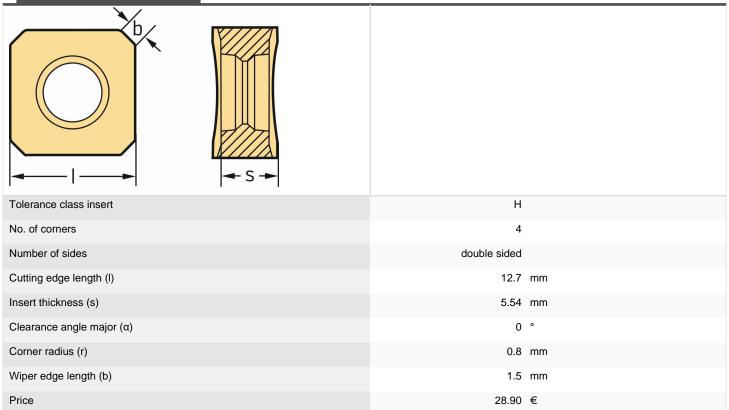
# M5009-050-B22-04-06-AP



14	
Approach angle (κ)	45 °
Cutting edge diameter (Dc)	50 mm
Max. cutting edge diameter (Da)	64 mm
Drive size (d1)	22
Maximum overhang (l4)	40 mm
Max. depth of cut (Lc)	6 mm
Peripheral effective cutting edge count (Z)	4
Weight	0.608 kg
Cutting item count	4
Maximum ramping angle	0 °
Price	780.00 €

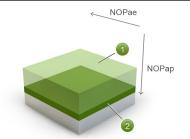


# SNHX1205ANN-K88 WK10





#### Cutting data



#### Legend

Premachining

Finishing

Working engagement (ar)	16.93	16.93	mm
Depth of cut (a <sub>p</sub> )	0.5	0.5	mm
Number of passes in AE direction (NOPae)	3	3	NOPae
Number of passes in AP direction (NOPap)	1	1	NOPap
Cutting speed (vc)	2480	2480	m/min
Spindle speed (n)	15300	15300	1/min
Feed per tooth (fz)	0.246	0.197	mm
Feed speed at the contour (vfe)	15100	12000	mm/min
Cutting power (Pc)	1.83	1.53	kW
Cutting torque (Mc)	1.14	0.953	Nm
Maximum chip thickness (hex)	0.163	0.131	mm
Material removal rate (Q)	127	102	cm3/min
Total cutting time (Tc tot)	00:00.906	00:01.506	min:s
Total non-cutting time (Tnc tot)	00:00.169	00:00.224	min:s
Tool life length (LifeLength)	3245.63	1956.39	m

220

160 min

Tool life time (LifeTime)

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