Sandvik Coromant Turning Calculator

Requirements:

Windows XP, Windows 7 or 8 *)

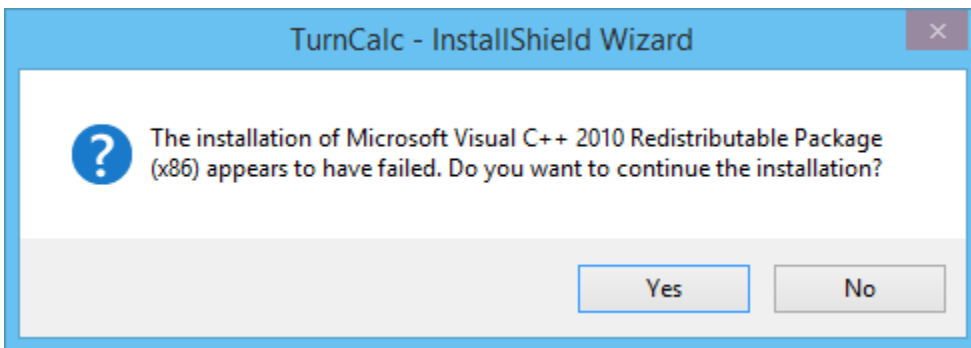.NET 4.0 (will be installed if not present)

Local Administrator privileges

Install the Calculator

1. Exit any open application(s)
2. Double-click the file TurnCalcSetup.exe and follow the instructions.

Known issue(s) *

The set up of this app requires the installation af **Microsoft Visual C++ Redistributable Package (x86)**. Installing this app on Windows 7 or later, may result in the below message if the package is already installed. If so, click "Yes" and installation will continue and finalize.

Support

Send an e-mail to: app-support.coromant@sandvik.com

Using the app

The app is divided into 3 sections. The left frame contains all calculated results. Use the right/left arrow on the screen to navigate between the results.

The middle frame contains all the input columns. Click in the "Info" icon and you will find a description of the column. Use the mouse or the Tab key to navigate between the columns.

The right frame contains settings and functions of the app. You can use "Compare mode" and/or economical Calculations. In here, you will also find the "Settings" where you can switch between Inch and Metric mode.

Machining Calculator

Metal removal rate (Q) in3/min	Diameter (Dm)	Cutting speed (vc)	Spindle speed (n)	
12,096	3	840	1070	
	Feed per revolution (fn)	Depth of cut (ap)	Finished diameter (Dm1)	
	0,006	0,2	1,5	
	Length of cut (lm)	Lead angle (Ψr)	Specific cutting force (kc)	
●○○○ ← →	6	-27,5	413881	

Cost Calculation

Machine cost per component cost/comp	Machine cost per h	Number of parts per year	Total cycle time (s)	
25,83	250	5000	372	
	Insert cost	Insert tool life (components)	Edges per insert	
	10	125	4	
	Inserts per tool	Toolholder cost	Max inserts indexes per tool	
●○○○○ ← →	1	210	400	

Cost Calculation - Compare mode

Machine cost per component cost/comp	Machine cost per h		Number of parts per year		Total cycle time (s)		
Current **25,83** Proposed **17,36**	250	250	5000	5000	372	250	
	Insert cost		Insert tool life (components)		Edges per insert		
	10	10	125	200	4	4	
	Inserts per tool		Toolholder cost		Max inserts indexes per tool		
●○○○○ ← →	1	1	210	210	400	400	