

Using Advanced Tool Settings

The Advanced Tool Settings can be used to precisely describe a particular cutting tool, set default parameters for the tool, document ordering information, and add notes about the tool.

TOOL SETUP					
MACHINE		PART			
X	0.0000	0.0000	A	0.000	-0.000
Y	0.0000	0.0000	C	0.000	-0.000
Z	0.0000	-9.0000	TOOL IN SPINDLE		6
TOOL NUMBER		406	LOCATION		Manual
TOOL TYPE		CHAMFER MILL			
DIAMETER		0.5000	SPEED		CW 0
			COOLANT		NONE
TOOL CAL LENGTH		0.0000	SURFACE SPEED		0
TOUCH-OFF DEVICE		2 GAUGE	FEED/FLUTE		0.000000
ANGLE		45.0	FLUTES		4
			FEED		CAL 0.0
TIP DIAMETER		0.0200	CUTTING TIME		12 / 0
			DIAMETER WEAR		0.0000

Provide the tool's number.

PRESS MANUAL MODE, POWER, AND START CYCLE TO RESTORE POWER.

DELETE TOOL	F1
PART SETUP	F2
PART PROGRAMMING	F3
TOOL OFFSETS	F4
TOOL HOME	F5
SET LENGTH USING TOUCH-OFF DEVICE	F6
MORE →	F7
EXIT	F8

Follow these steps to access the Advanced Tool Settings data

- From the TOOL SETUP screen, press the MORE> softkey

Using Advanced Tool Settings

TOOL SETUP					
MACHINE		PART			
X	0.0000	0.0000	A	0.000	-0.000
Y	0.0000	0.0000	C	0.000	-0.000
Z	0.0000	-9.0000	TOOL IN SPINDLE	6	
TOOL NUMBER	406	LOCATION	Manual		
TOOL TYPE	CHAMFER MILL				
DIAMETER	0.5000	SPEED	CW	0	
		COOLANT	NONE		
		SURFACE SPEED	0		
TOOL CAL LENGTH	0.0000	FEED/FLUTE	0.000000		
TOUCH-OFF DEVICE	2 GAUGE	FLUTES	4		
ANGLE	45.0	FEED	CAL	0.0	
		CUTTING TIME	12 /	0	
TIP DIAMETER	0.0200	DIAMETER WEAR	0.0000		

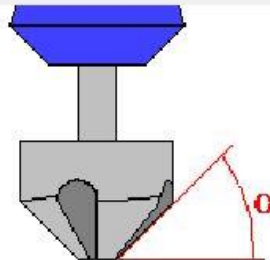

Provide the tool's number.

PRESS MANUAL MODE, POWER, AND START CYCLE TO RESTORE POWER.

ADVANCED TOOL SETTINGS <small>F1</small>
CHANGE TOOL NUMBER <small>F2</small>
TOOL PROBING <small>F3</small>
PROGRAM PARAMETERS <small>F4</small>
PART PROGRAM TOOL REVIEW <small>F5</small>
TOOL MEASUREMENT SETTINGS <small>F6</small>
MORE → <small>F7</small>
EXIT <small>F8</small>

- Select the ADVANCED TOOL SETTINGS softkey

The GEOMETRY Tab

TOOL TYPE SETUP					
GEOMETRY	FEED & SPEED	NC SFQ	SUPPLIER	◀	▶
TOOL TYPE	CHAMFER MILL				
DIAMETER	0.5000				
TIP DIAMETER	0.0200				
SHANK DIAMETER	CAL 0.5000				
TOOL LENGTH	1.0000				
CHAMFER ANGLE	45.0				
FLUTES	4				
DIRECTION	CW				
COLOR	 SEQUENTIAL				
Enter tool corner angle.					
PRESS MANUAL MODE, POWER, AND START CYCLE TO RESTORE POWER.					
EXIT					F8

- Enter the correct data for your specific tool
- As you cursor through the fields, the red indicator on the image will change and show you what the field is asking for

The FEED & SPEED Tab

TOOL TYPE SETUP

GEOMETRY FEED & SPEED NC SFQ SUPPLIER ◀ ▶

TOOL 406 CHAMFER MILL, dia. 0.5000

WORK MATERIAL
UNSPECIFIED
TITANIUM
STAINLESS STEEL

ROUGHING FINISHING

SURFACE SPEED	350	SPEED	CAL	2674
CHIPLOAD	0.003500	FEED	CAL	37.4
MAX DEPTH	0.1000	PECK DEPTH		0.1000
COOLANT	PRIMARY	PLUNGE FEED		10.0

Enter surface speed in feet per minute.

PRESS MANUAL MODE, POWER, AND START CYCLE TO RESTORE POWER.

EXIT

F1
F2
F3
F4
F5
F6
F7
F8

- Enter the correct speeds, feeds, max depth of cut, default peck depth, etc... for the tool
- Notice there are separate settings for roughing and finishing, and EACH of the work material types that are present in the library

The SUPPLIER Tab

TOOL TYPE SETUP			
FEED & SPEED	NC SFQ	SUPPLIER	NOTES
TOOL: 406 CHAMFER MILL, dia. 0.5000			
SUPPLIER / VENDOR: Quality Mill Supply / Brubaker Tool			
ORDER INFO: EDP 2355655			

Select the tab with the information you want to view or edit.
PRESS MANUAL MODE, POWER, AND START CYCLE TO RESTORE POWER.

GEOMETRY	F1
FEED & SPEED	F2
NC SFQ	F3
SUPPLIER	F4
NOTES	F5
	F6
	F7
EXIT	F8

- Enter supplier and vendor information about the tool
- You can add ordering information – such as EDP and part numbers – to make ordering easier

The NOTES Tab

TOOL TYPE SETUP			
FEED & SPEED	NC SFQ	SUPPLIER	NOTES
TOOL 406 CHAMFER MILL, dia. 0.5000			
NOTES			
15 DEG .4 DIA TIP			

Select the tab with the information you want to view or edit.
PRESS MANUAL MODE, POWER, AND START CYCLE TO RESTORE POWER.

GEOMETRY	F1
FEED & SPEED	F2
NC SFQ	F3
SUPPLIER	F4
NOTES	F5
	F6
	F7
EXIT	F8

- You may also enter data in the NOTES section to convey information to the operator
- Notes can be used for setup information, or to provide more detailed information about the tool