

Technical Information

G00 Z- (Z Pos. = T max + AL)

Z Pos.

Position tool through the hole

(Z Pos. = T max + AL).

Programming Example



2



Position tool above part, spindle off, internal coolant on, dwell 2- 5 seconds (dwell time depends on pump), blade retracts.



Turn on spindle at cutting speed. Position cutting blade 1 mm below T max (note tolerance and burr size), turn on flood coolant.



If the counterbore depth is reached, switch off internal coolant and external coolant, and rapid back to Z position (Z Pos. = T max + AL).

*Programming codes vary per machine make and model

1 - Check swing length 2 - Check activation speed on pg 193 3 - Reference cutting data on pg 193



Move Z axis for cutting (approximately .25 mm deep or until full cut) with cutting feed rate. *continue to desired depth of cut unless optional next step is required



Spindle stop, internal coolant on, dwell 2-5 seconds, blade retracts.

Legend

Ød	Bore diameter (tol. 0/+0.1)
ØD	Counterbore diameter
Х	Cutting edge width
E	Distance interfering edge
NL	Working length
AL	Swing length
H _s	Cutting position
R _E	Edge radius standard 0.4 mm
Tmax	Maximum material thickness



Internal coolant off and start spindle 2000-5000 RPM, dwell 2-5 seconds (dwell depends on time it takes to purge the internal coolant), blade moves into cutting position.



Optional: For deep bores, turn internal coolant on and feed to desired depth. Insert must be in full cut.



Position tool out of work piece. Internal coolant off or move to next hole location.

PRECISION TOOLS