

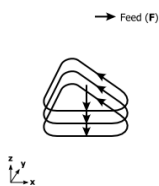
Contour Event

DynaPath WinDelta CNC Mill · Conversational Programming Quick Guide

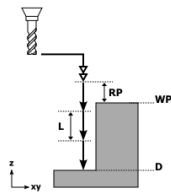
The **Contour** event mills along a path: profiling outside or inside a shape, open or closed, in roughing and / or finishing passes stepping down to the final depth. [15.6.1]

Geometry	Open or closed paths of any shape; several paths in one event
How it runs	Starts with a tool change and tool length compensation, moves to the safe height, starts the spindle and coolant, rapids to the plunge height, then plunges at plunge feed. It then mills each step-down along the path, retracting at the end of each pass.
Pick geometry with	SELECT SEGMENTS or SELECT PATHS on the drawing (MC13), or EDIT GEOMETRY

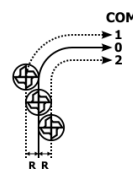
Complex Contour



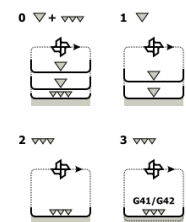
Contour



Depths RP, WP, D, L



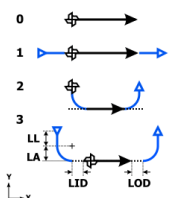
COM cutter comp



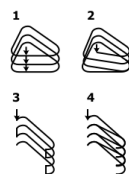
RF rough / finish

Parameters Manual 15.6.1

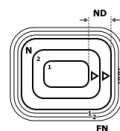
Code	Meaning	Code	Meaning
T	Tool number	RF	Rough, finish or both
COM	Cutter comp off / left / right	RP	Plunge safe height (above WP)
WP	Start depth (absolute)	D	End depth (absolute)
L	Rough step-down	LS	Lead in / out: extend, recede, custom
LID / LOD	Lead in / out tangent extension	LL / LA	Lead line length / lead arc radius
PM	Plunge: straight, ramp, straight or ramp forward and back	KTD	Keep tool down (open paths)
NT	Side passes: none, count or distance	N / ND	Number of side passes / total side distance
STEP	Rough step-over (% tool Ø if > 1)	FN	Number of finish passes
FSEP	Finish step-over (% tool Ø if > 1)	FZ	Finish step-down
AXY	Stock left on walls	AZ	Stock left on floor
S	Spindle RPM (~ for CCW)	P	Plunge feed
F	Cutting feed	CL	Coolant: off, air, flood, CTS, CTS + flood



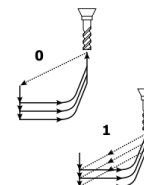
Lead in / out



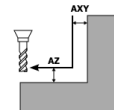
PM plunge methods



Side passes N, ND, FN



KTD keep tool down



Allowances AXY, AZ

NOTE

COM left / right depends on the path direction: with left comp the tool runs on the left of the path as it travels. Check the side in PATH PREVIEW before saving.