

Hallo Andrew,

Found a bug in the drill toolpath generator.

By natural cause and definition, a drill produce always a circular hole. IEC recommended a hole in a drawing is defined by a circle.

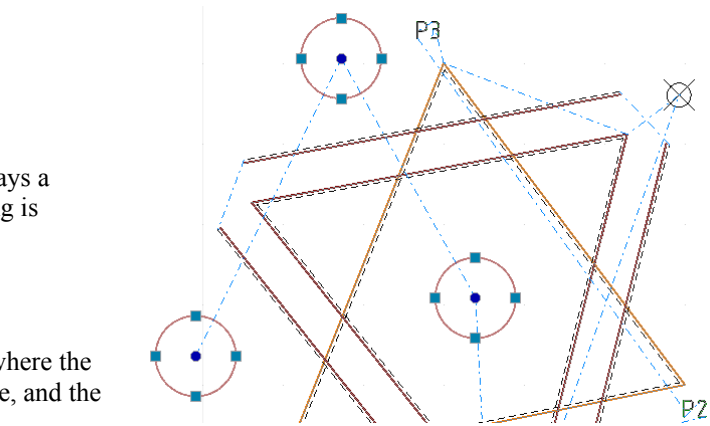
Creating a drill toolpath requires selecting circles, where the circle's centerpoint defines the exact drill-coordinate, and the circle radius times 2 defines the the hole diameter.

Creating a new drill-toolpath works fine. The selected circles and their points are visible. No problem there.

(Would be a nice and more correct, if the toolpath generator ends at the start of a new line whith a "Toolpath complete" message.)

Unfortunately the drill-selection entities are not copied to the CAM sublayer "normal" and/or "source".

As a results of the missing selection set, whenever regenerating one or all of the toolpaths, several errors appears.



```
Command: toolpathupdatefromselection
Identifying contours...
Contours identified: 3
open: 3
closed: 0
Generating toolpath "Drill 1"
Tool "1"
Purging toolpath block...
Copying source entities...
Initializing contours from toolpath properties...
Computing nesting degrees...
Creating spatial index...
Adding entry points for contour 0:
-0.834,23.578
Adding entry points for contour 1:
17.248,60.614
Adding entry points for contour 2:
33.958,30.81
Processing 3 contours
Processing contour 2
Contour orientation: Counter-Clockwise
Processing contour in single pass.
Processing contour 1
Contour orientation: Counter-Clockwise
Processing contour in single pass.
Processing contour 0
Contour orientation: Counter-Clockwise
Processing contour in single pass.
```

```
Command: toolpathregen
No source entities found. Aborting...
```

Because the drill-selection is not present, one can not change or reuse a previous selection set; the first drill path for centerdrill, the second on the same selection for drilling, a third one on the same selection for reaming, and a fourth one on the same selection for beveling.

This also means one can not change a previous drill selection