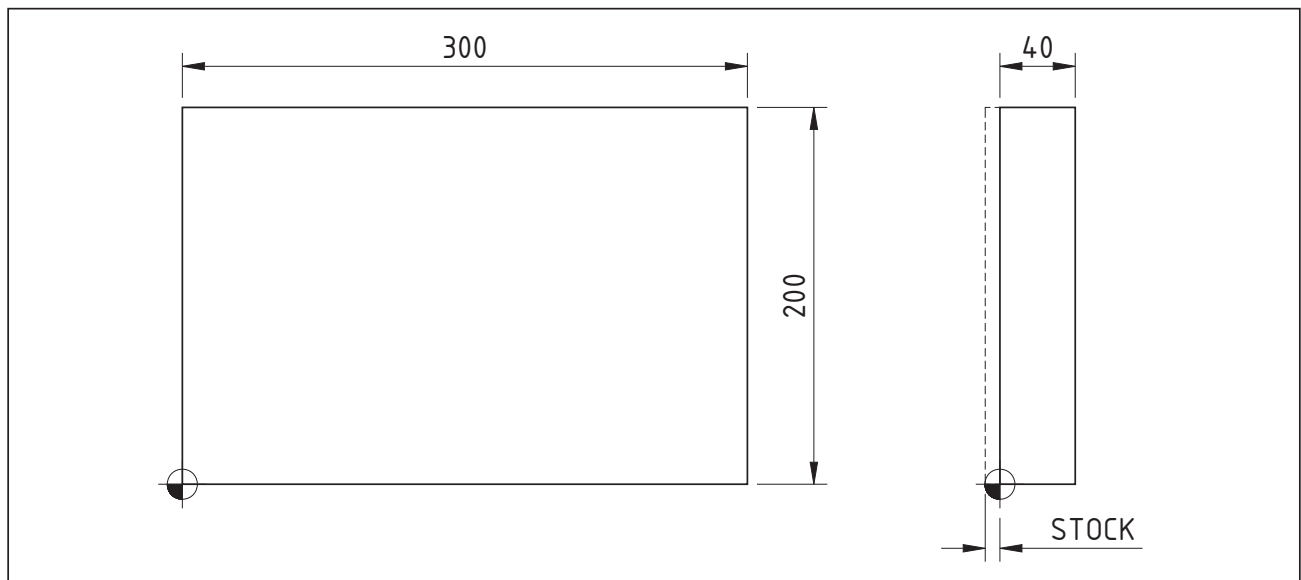


Face milling requires knowledge of some basic machining techniques. In this project, a single drawing and tool will be used for four variations of face milling. The objective is to illustrate the programming differences.

➡ To develop the part program, follow these common conditions:

1. Use  $\varnothing 125$  mm face mill as T22 (tool in spindle) - stock size specified, where required
2. Use 600 r/min spindle speed and 200 mm/rev feedrate



➡ 28-01-A:

Program two face cuts, in the X-direction, starting at the right side, and continuing in a zig-zag motion. Top face clean-up only, one depth is required.

➡ 28-01-B:

Program two face cuts, in the X-direction, starting at the right side, and continuing in a zig-zag motion. Stock is 5 mm, and 3 mm is the maximum depth of cut.

➡ 28-01-C:

Program two face cuts, in the X-direction, starting at the left side, all in the same direction. Top face clean-up only, one depth is required.

➡ 28-01-D:

Program three face cuts, in the Y-direction, starting at the bottom left, all in the same direction. Stock is 7 mm, and 2 mm is the maximum depth of cut.