

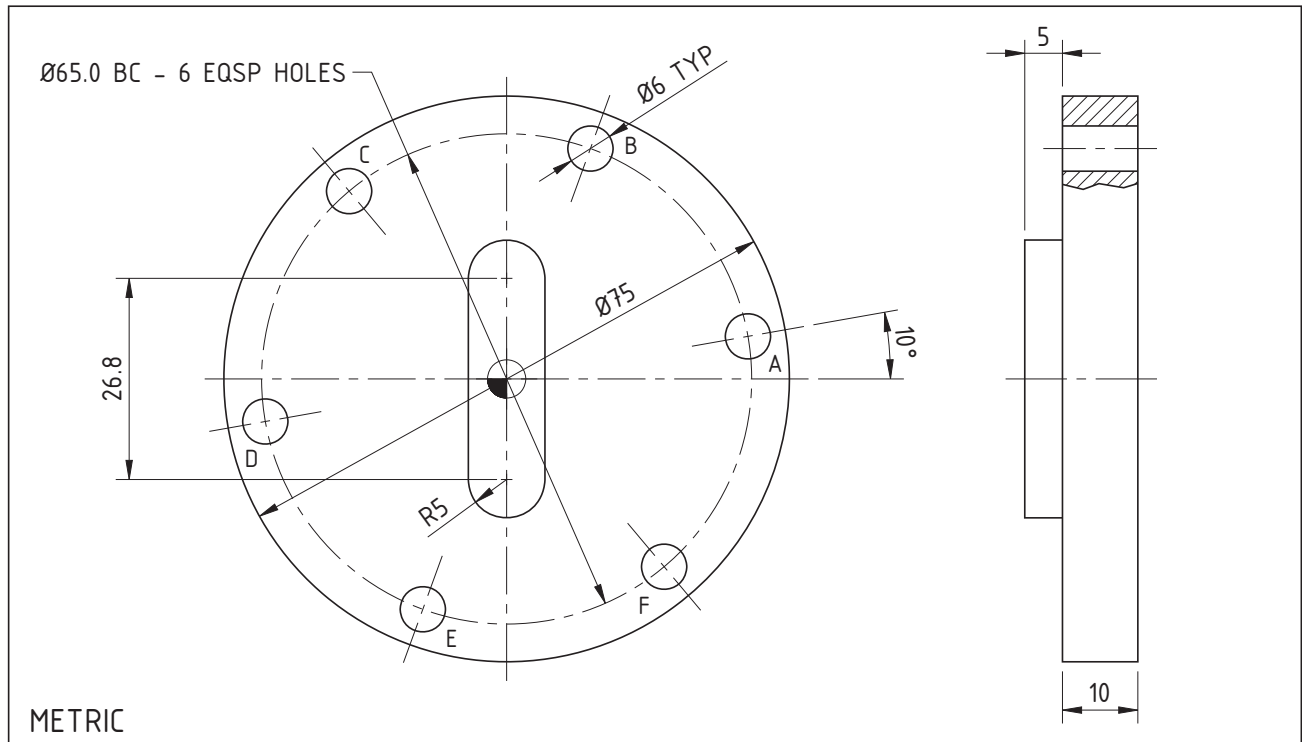
# 27-04

## Bolt Hole Pattern - Rotated

This metric project is similar to 27-03. The main difference is that the six holes are rotated  $10^\circ$  from the X axis, while maintaining the equal spacing. Rotation of a bolt circle pattern is often used to guarantee a proper alignment with another feature of the part, in this case, the spigot in the middle, which had been premachined.

The purpose of this project is the same as for the previous one - to calculate all XY coordinates for the six hole bolt circle pattern (from A to F), and write a CNC program for a spot drill and a drill.

Make a  $0.015 \times 45^\circ$  chamfer for all holes.



Hole	X-axis coordinate	Y-axis coordinate
A		
B		
C		
D		
E		
F		