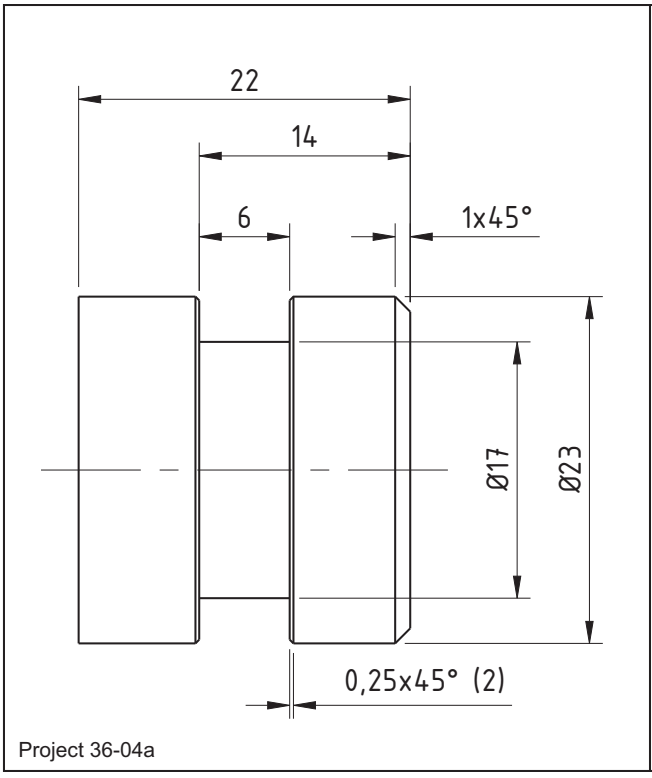
36-04 Groove Tolerances

In this grooving project, the emphasis is on the *tolerances* often used in grooving. There are two parts of this metric project - the objective of the first part is to develop a grooving program for the project *36-04a*, then *modify* the program by creating a new program that satisfies the tolerances for the project *36-04b*.

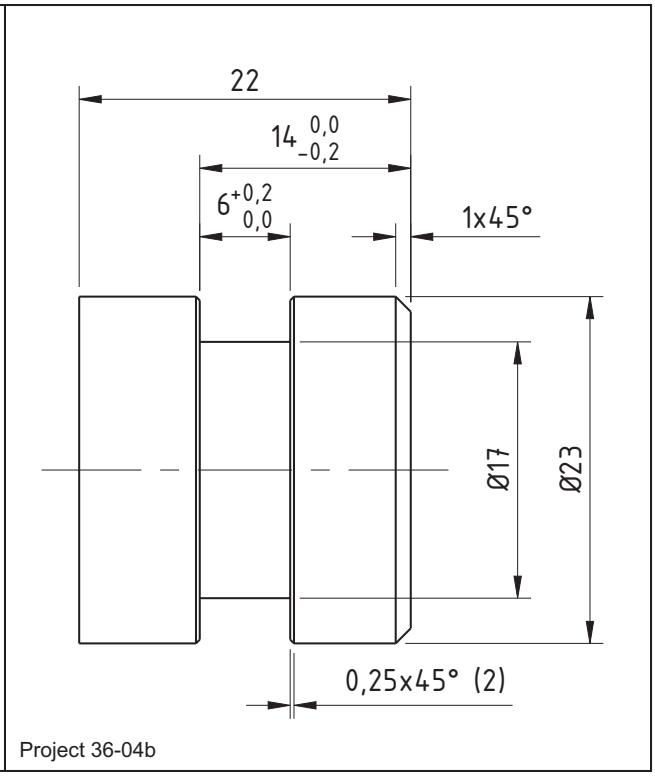
➲ To develop the two programs, follow these conditions:

1. Only the grooving programs are required *(see Project 34-01)*
2. Set 5 mm wide grooving tool in the turret station number 7
3. Start grooving from ∅24 (0.5 mm clearance per side)
4. Use 1200 r/min spindle speed and select suitable cutting feedrates for aluminum

The only difference between the drawings is the tolerance on groove location and groove width



Project 36-04a



Project 36-04b