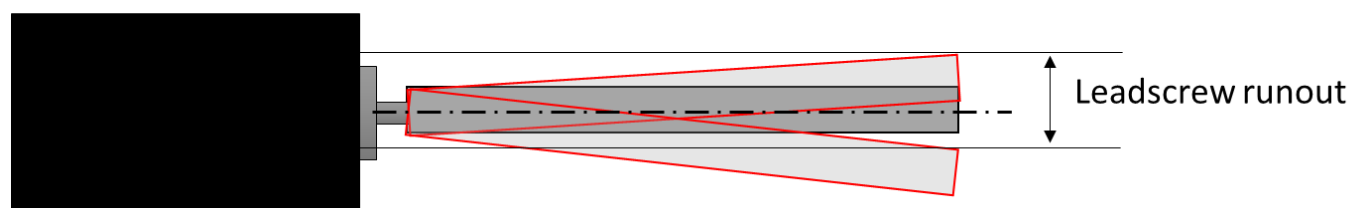
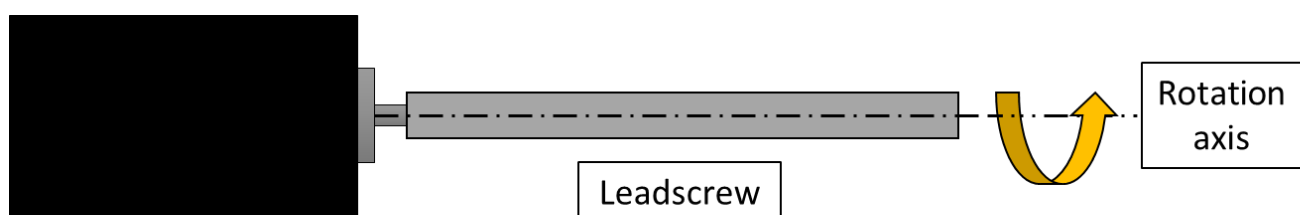


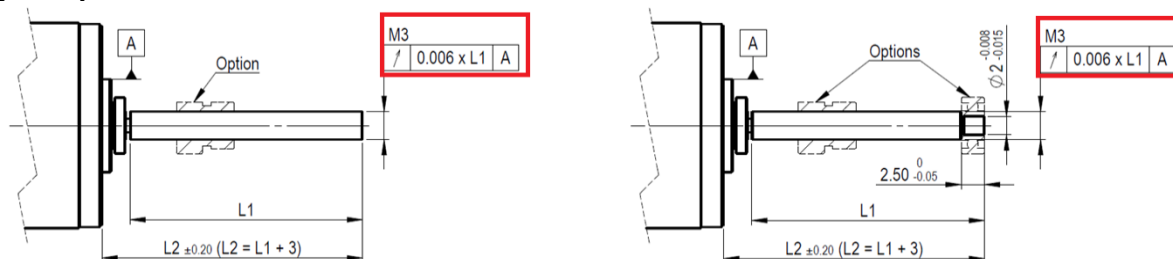
Leadscrew combination runout control operation

Introduction

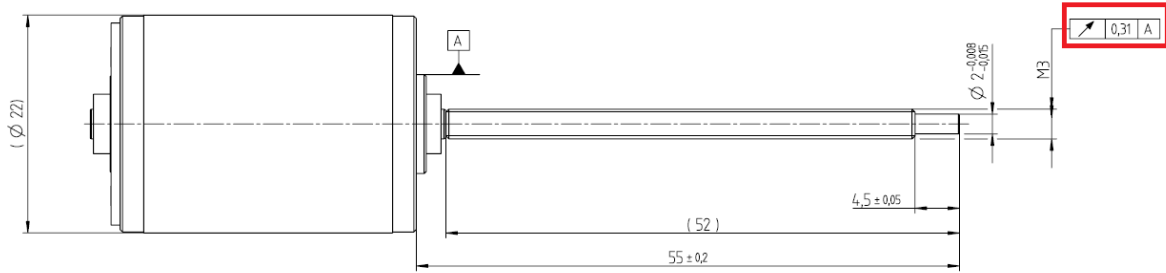
The runout of a leadscrew is the amplitude its tip will oscillate when rotating.
It is checked on 100% of the leadscrew combinations assembled at FAULHABER PRECistep.



On standard linear component combination proposed in our catalogue, the maximum admissible runout is given by $L1 \times 0.006$

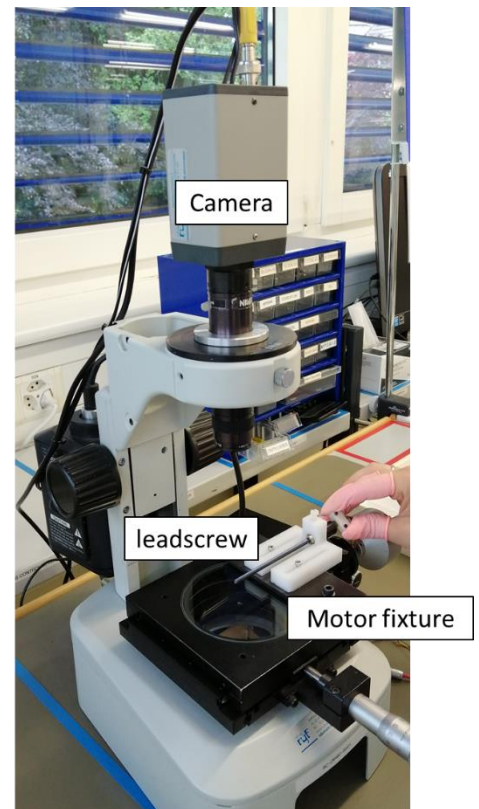
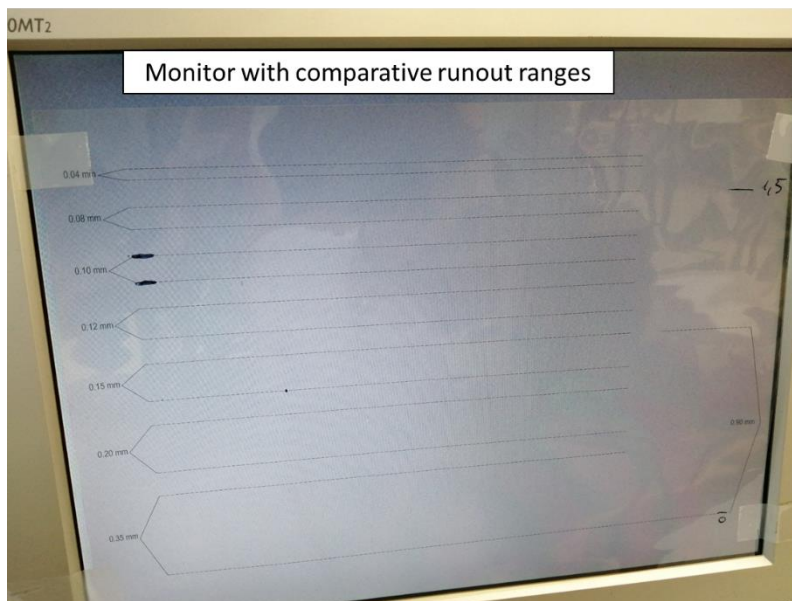


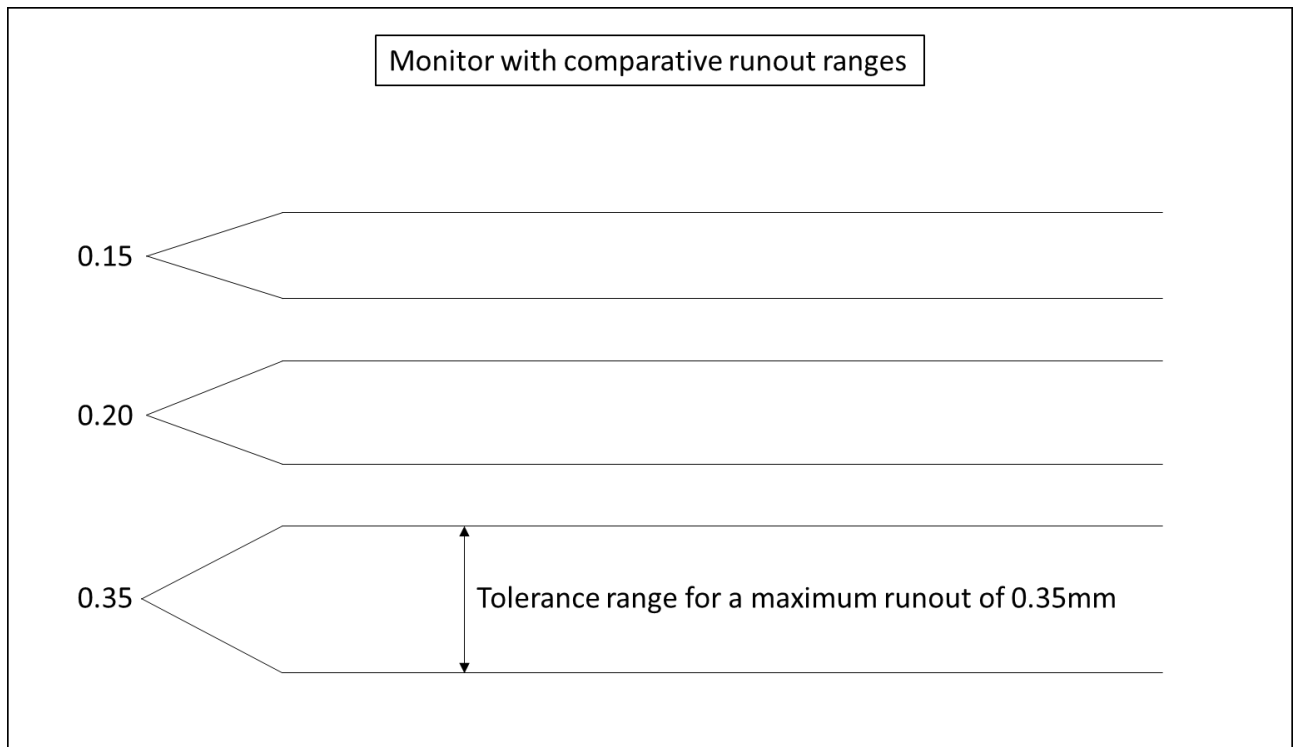
For special modifications, the maximum admissible runout is specified on the modification drawing



Control procedure

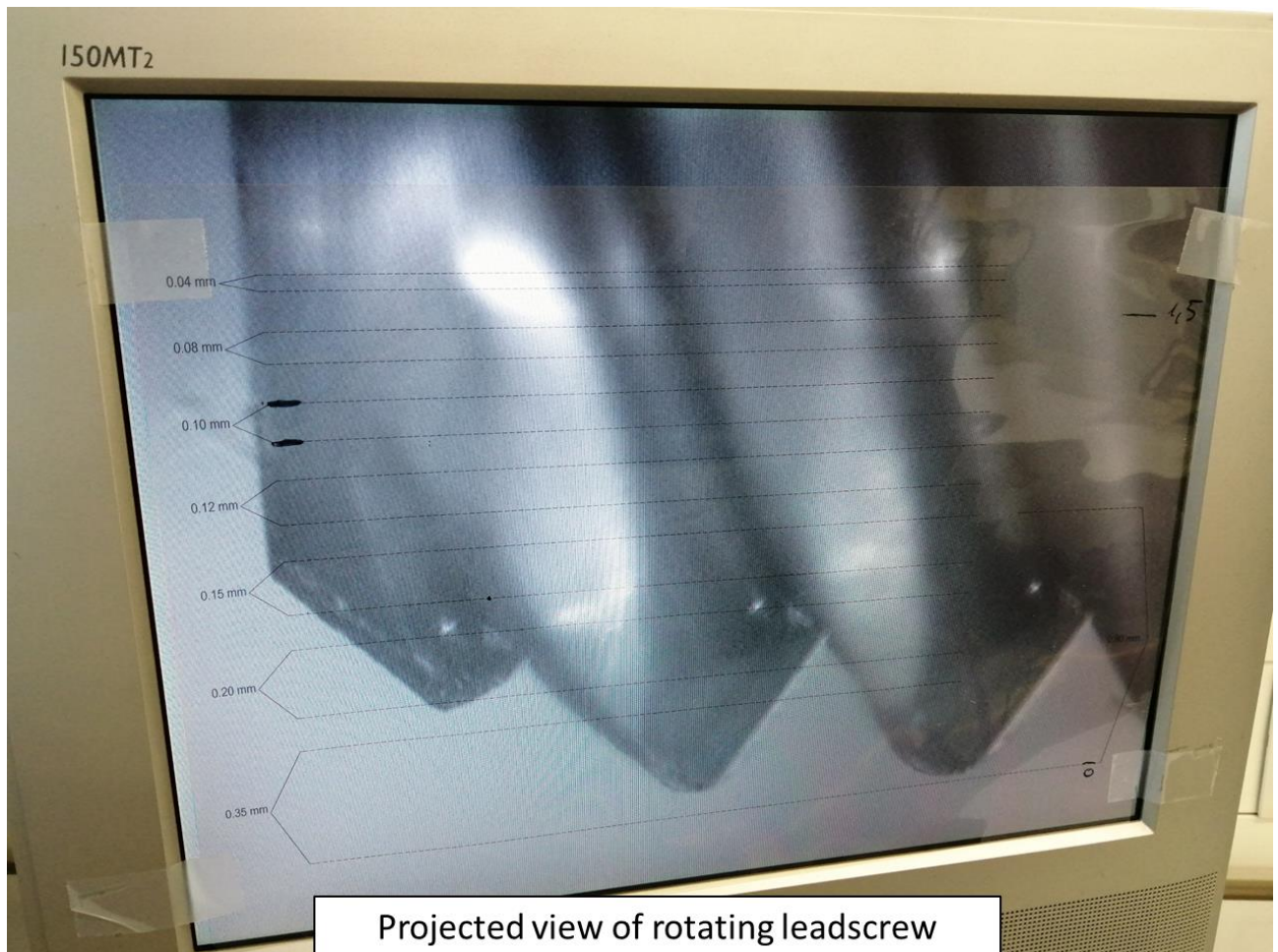
The motor-lead screw combination is placed inside the fixture and the motor is actuated.
A projected view of the rotating lead screw appears on a monitor showing different runout ranges





The operator adjusts the position of the X-Y table in order to match the bottom of the leadscrew thread with the lower runout range limit line.

The oscillation of the leadscrew is monitored over a few revolutions to confirm that the bottom of the thread remains inside the specified range.



If the leadscrew exits the defined tolerance range, the unit is rejected. Therefore is an OK / NOK control type.

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