

Lateral workpiece stop attachment

The lateral workpiece stop attachment can be used in conjunction with the tool types engraflexx AP, ESP, and SX.

Due to the special geometry of the stop nose and the smooth-running bearing, the stop automatically rotates around the spindle axis so that the stop tip is always directed against the edge to be deburred. This means that workpieces with a wide variety of internal and external contours can be reliably reworked or deburred.

The lateral workpiece stop attachment is used if dimensionally tolerated chamfers or seamless radii have to be milled on workpieces.

Special feature of the stop system:

The router bit positions itself directly onto the workpiece edge during “conventional” use of the deflecting spindles. Accordingly, the thickness of the burr can have an influence on the dimensions of the deburring, i.e. with different burr formation thicknesses, the deburring can also have some differences.

If the deflecting spindle with workpiece stop attachment is used, this supports itself at the side on the edge of the workpiece. The main benefit: the milling cutter clamped in the spindle is always held at the same defined distance from the spindle regardless of the position difference or burr thickness.

Therefore, neither the burr thickness, feed speed or the lateral pre-tensioning force has an influence on the dimensions of the edge machining.

Application area

Precisely defined reworking of workpiece edges with deviating positions or dimensional differences, e.g.

- Milling off of protruding burrs
- Milling of dimensionally tolerated chamfers
- Milling of seamless radii

General information

- Universal use using different adapters for
 - engraflexx AP
 - engraflexx ESP
 - engraflexx SX

Tool specifications

- Rotating stop as a core element
 - optimal accessibility of a wide range of contour areas
 - extremely smooth-running thanks to double ball bearings
 - stable and wear resistant (hardened end stop surfaces)
- Different tip radii available
 - for the milling of different radii
 - for the use of milling cutters with different diameters
 - workpiece stop attachment is simple to replace without using tools

