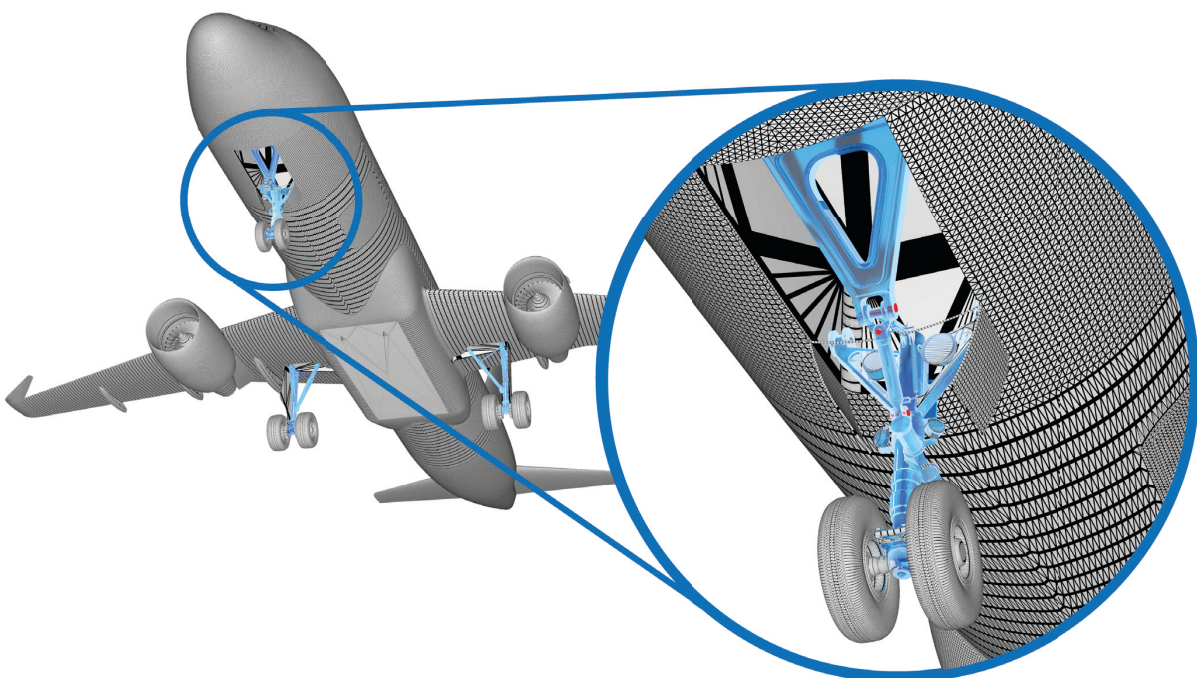


## APPLICATION EXAMPLE ▶ Aviation ▶ High-strength bolt



### Task

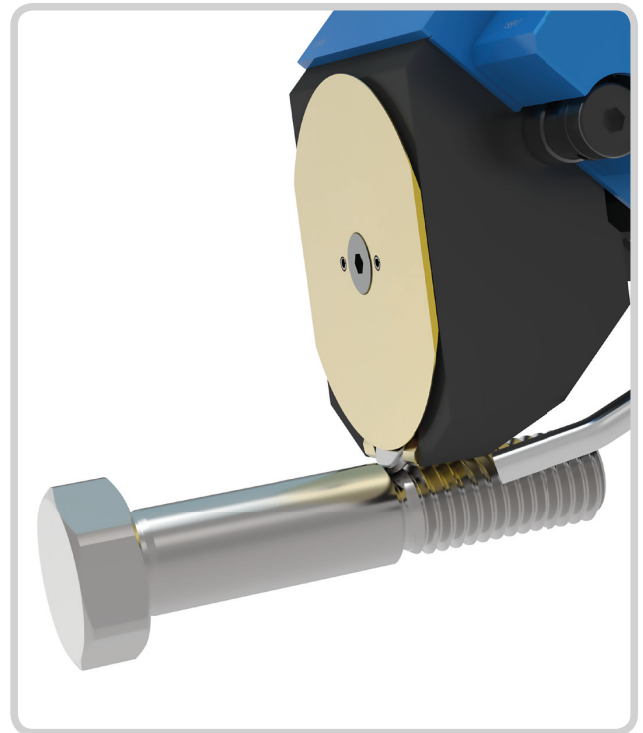
Achievement of fatigue strength





## Solution

Deep Rolling of thread undercut with EG45 tool in the same clamping direct after turning



## User benefits

- Reduction of product costs by about **25%**
- Fulfilment of safety standards
- Achievement of **fatigue strength**

## Details

- Workpiece ..... High-strength bolt
- Part of ..... Landing gear
- Material ..... Steel
- Tensile strength ..... 1400 N/mm<sup>2</sup>
- Hardness ..... 48 HRC

## Parameter

- Tool ..... EF45
- Circumferential speed ... 20 m/min
- Feed rate ..... 0,1 mm/rev.
- Rolling force ..... 8 kN (multilevel)