



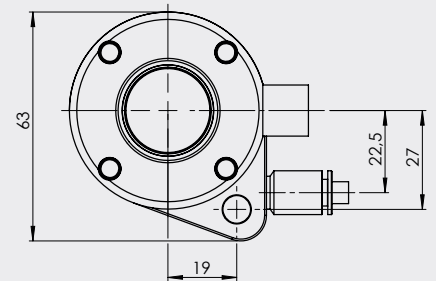
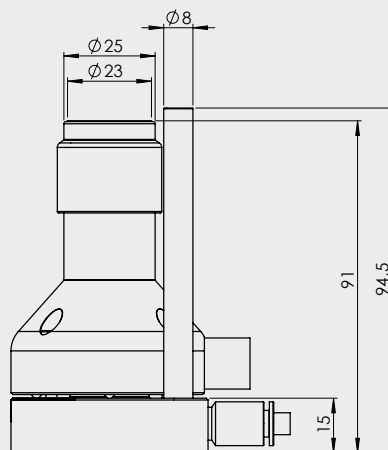
The precision probing head allows tool lengths to be measured quickly, precisely and automatically, as well as the tool check. The functional principle with linear guidance is absolutely free of transverse forces, so that even sensitive and very small tools can be measured. The precise tool length sensor can be used for the machine systems M8, M8Cube, M7, ML, MLCube, MV and M10.

The DATRON CNC software supports the following measuring functions:

- Automatic measurement of the tool length
- Automatic tool length correction
- Tool breakage detection

Scope of Delivery:

- Sensor
- Depending on the type of machine, a special mounting plate might be required
- Blow-off station



Technical Data	Tool probe
Device protection	IP68: EN60529
Repeatability (2 Sigma)	0,5 µm
Min. tool diameter	> 0,1 mm
Max. tool diameter	20 mm
Diameter of the measuring surface	23,0 mm
Measuring force	2,2 N
Maximum stroke	10 mm

Advantages:

- Very low measuring force
- For tools up to 20 mm diameter
- Very high precision

Application:

- Precise tool length measurement
- Automatic correction of length tolerances
- Tool breakage control

Description	Article Number
Tool probe, MLCube with 5fold tool changer	0A01115H
Tool probe, MLCube with 11fold tool changer	0A01115I
Tool probe, M7	0A01115J
Tool probe, M8Cube	0A01115K
Tool probe, M10	0A01115L