

Delivery guidelines for tools and tool components

No.: **FB_PFK_003_E**

Revision: **01**

Date: **06.04.2022**

Page: **1 / 3**

1 Quotation preparation

With the offer, the tool supplier checks that the specified requirements in the drawing can be fulfilled.

With the offer, the tool supplier confirms the testability of all requirements.

All uncertainties or test requirements that cannot be checked must be coordinated with Auer Lighting in advance.

2 Inspection of the manufactured parts

The tool supplier creates the measuring report, based on FB_PFK_002 with all inspection features according to the drawing. The template of the measuring protocol FB_PFK_002 can be downloaded from the homepage.

Own measurement reports can be used, but a deviating format must be approved by Auer Lighting.

The supplier's own measurement reports must contain at least the following information:

- Contact details for possible queries incl. order number and part number
- Item number (Ref No.) of the test characteristic
- Inspection feature with tolerances
- Measured values
- Clear indication of whether the inspection characteristic meets the specification
- Date and signature of inspector
- Decision field for assessment/release by Auer Lighting

3 Sample size of delivered parts

The number (sample size) of the tool parts / position to be measured is based on the sample table, see Figure 1.

A deviating sample size is only possible after prior coordination with Auer Lighting and is documented by a note in the order.

Sampling table	
Quantity delivered	Sample size (pcs.)
up to 3	each part
4-8	3
9-25	6
26-50	9
51-150	14
151-280	21

Figure 1: Sampling table

Delivery guidelines for tools and tool components

No.: **FB_PFK_003_E**

Revision: **01**

Date: **06.04.2022**

Page: **2 / 3**

4 Definition of inspection characteristics

Inspection characteristics can be numerical values or text strings, which are defined in the tool drawing and the order documents supplied with the tool.

All inspection dimensions and form and position tolerances specified in the tool drawing must be checked.

a. dimensions to be measured: (dimension in a closed oval)

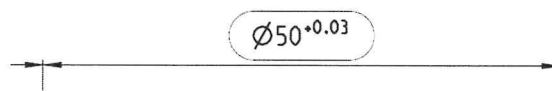


Figure 2: example of test dimensions

b. Shape and position tolerance:

Shape and position tolerance are handled like dimensions to be measured (see a)

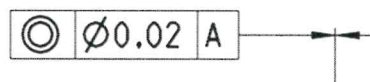


Figure 3: Example Shape and position tolerance

c. specially marked characteristics:

(Identifier in a hexagon)

These are usually.

- Requirements for surface quality
- measuring points in the form X/Y/Z
- Transition courses of fillets or edges

These characteristics must also be documented in a protocol with a unique identifier. (also indication attributive or in prose)



Figure 4: Example specially marked characteristics

Form



Delivery guidelines for tools and tool components

No.: **FB_PFK_003_E**

Revision: **01**

Date: **06.04.2022**

Page: **3 / 3**

5. Release process for tools

The measurement protocol must be delivered to Auer Lighting prior to delivery of the tools. Delivery of the tools is only permitted after approval of the measurement report by Auer Lighting. In special cases, delivery without approval is possible after previous consultation with Auer Lighting. Auer Lighting reserves the right to cross-check results.

6 Behavior in the event of differing measurement results

In the event of deviations from the test requirements, Auer Lighting can decide whether the tools can be used and released.

If the deviations do not allow a decision, a retest on critical areas or a cross-check by Auer Lighting (PFK) can be arranged.

If Auer Lighting concludes that deviations will prevent the use of the parts, the supplier can check if rework of the parts is possible or if the parts will be remanufactured.

In time critical cases, rework may be performed by AUER-Lighting. The supplier will be informed in advance and charged with the rework costs.