

**Calibration certificate No.: JUZ-00446399**

**Inspection date:** 2022.10.10

**Identity number** : 122-2446  
**Gauge type** : GO thread ring gauge (solid)  
**Designation** : M 5 in Anlehnung an DIN 2510  
**Inspection procedure** : VDI/VDE/DGQ 2618, Blatt 4.9, April 2006  
**Inspection device and traceability** : ULM 600 OPAL No. 101716 Certificate number: 8452 D-K-12037-01-00  
**Measuring uncertainty  $U_{(95)}$**  :  $3 \mu\text{m} + 10 \cdot 10^{-6} \cdot l$   
**Reference temperature** :  $20^{\circ}\text{C} \pm 1\text{K}$   
**Comments** :  
**Valuation** : usable

Thread standard : in Anlehnung an DIN 2510:1974  
 1./2. Flank angle :  $30,00^{\circ} \pm 16'$  /  $30,00^{\circ} \pm 16'$   
 Pitch :  $0,8000 \text{ mm} \pm 5,0 \mu\text{m}$  Thread starts: 1  
 best Palpation element diameter : 0,4619 mm  
 used Palpation element diameter : 0,4540 mm Constant of T-shaped probe: 0,0000 mm  
 Measuring method : "Three balls" method (using T-probe)

**Gauge nominal values**  
 External diameter (min) : 4,9170 mm  
 Effective diameter new (min) : 4,3210 mm  
 Effective diameter new (max) : 4,3350 mm  
 Effective diameter - Wear limit : 4,4700 mm  
 Minor diameter (min) : 3,9770 mm  
 Minor diameter (max) : 3,9910 mm

**Measuring values for GO side**  
**- Effective diameter**

Measuring plane	Measuring pos. [ $1 \triangleq 0^{\circ}$ $2 \triangleq 90^{\circ}$ ]	Measuring value [ mm ]	Effective diameter [ mm ]	Tol. graphic / Out of Tol. [ $\mu\text{m}$ ]
1	1	4,1135	4,3299	-----X-----
1	2	4,1110	4,3274	-----X-----
2	2	4,1124	4,3288	-----X-----
2	1	4,1125	4,3289	-----X-----

Operator: Jurjanz J

The valuation refers only to the measured parameters / option. Results of measurement outside of the permissible, however within the limit values extended by the Measuring uncertainty are not rejected and judged as usable (DIN EN ISO 14253-1). The user is solely responsible for the adherence to an appropriate inspection interval.  
 This calibration certificate was made by electronic data processing and is legal without signature.