

**Calibration certificate No.: JUZ-00446397**

**Inspection date:** 2022.10.07

**Identity number** : 122-2445  
**Gauge type** : NO 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) : 4,8590 mm  
 Effective diameter new (min) : 4,2210 mm  
 Effective diameter new (max) : 4,2350 mm  
 Effective diameter - Wear limit : 4,3660 mm  
 Minor diameter (min) : 4,0540 mm  
 Minor diameter (max) : 4,0820 mm

**Measuring values for NO 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	4,0129	4,2294	-----x-----
1	2	4,0126	4,2291	-----x-----
2	2	4,0116	4,2281	-----x-----
2	1	4,0109	4,2274	-----x-----

Operator: Jurjanz J