

**Calibration certificate No.: JUZ-00511578**

Inspection date : 13.11.2023

**Identity number** : 123-3395  
**Gauge type** : GO thread ring gauge (solid)  
**Designation** : 5/16 - 40 UNS -2A  
**Inspection procedure** : VDI/VDE/DGQ 2618, Blatt 4.9, April 2006  
**Inspection device and traceability** : ConturoMatic TS No. 8368 Certificate number:  
 Konturennormal CN181 No. 328 Certificate number: D-K-17059-02-00  
**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** : as found = as left  
**Valuation** : usable

**Thread designation:** 5/16 - 40 UNS -2A  
**Thread standard:** ANSI/ASME B1.2 (ASME B1.1-2019)  
 1./2. Flank angle:  $30,00^\circ \pm 20'$  /  $30,00^\circ \pm 20'$   
 Pitch:  $0,6350 \text{ mm} \pm 5,0 \mu\text{m}$  Ganganzahl: 1  
 Best ball diameter: 0,3666 mm  
 Constant of T-shaped probe: 0,3666 mm  
 Measuring method: Auswertung von Konturdaten

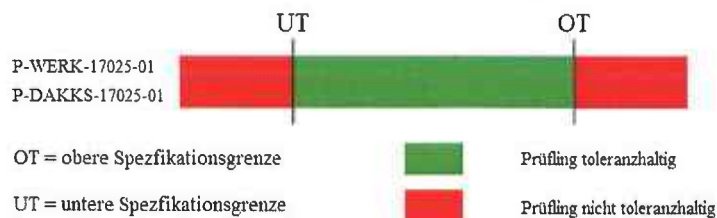
**Gauge nominal values**

Major diameter (min): 7,9146 mm  
 Effective diameter new (min): 7,4981 mm  
 Effective diameter new (max): 7,5032 mm  
 Minor diameter (min): 7,2186 mm  
 Minor diameter (max): 7,2288 mm

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

measuring position	Effective diameter mm	Tolerance graphic / Out of tolerance	Conformity
Section A-B / Front	7,5028	-----x-	IO
Section C-D / Middle	7,5028	-----x-	IO

The measurement results are evaluated according to the decision rule:



Operator: Gabi Müller

The valuation refers exclusively to the measured parameters / option. The user is responsible for adhering to an appropriate inspection period furthermore, the measured values correspond to the time of calibration. This calibration certificate is valid without a signature.