

Calibration certificate No.: JUZ-00519332

Inspection date : 19.12.2023

Identity number : 123-3881
Gauge type : NO 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:
 Konturrennormal CN181 No. 328 Certificate number: D-K-17059-02-00
Measuring uncertainty U(95) : $3 \mu\text{m} + 10 \cdot 10^{-6} \cdot l$
Ambient 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

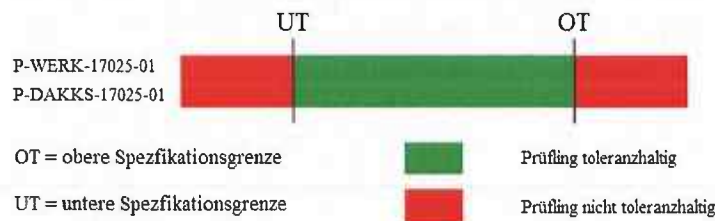
Gauge nominal values

Major diameter (min): 7,9146 mm
 Effective diameter new (min): 7,4270 mm
 Effective diameter new (max): 7,4321 mm
 Minor diameter (min): 7,2898 mm
 Minor diameter (max): 7,3000 mm

Measuring values No Go side - Effective diameter

Messposition	Effective diamter mm	Tolerance graphic / Out of tolernce	Conformity
Section A-B / Front	7,4288	-----x-----	IO
Section C-D / Middle	7,4286	-----x-----	IO

The measurement results are evaluated according to the decision rule:



Operator: Jörg Jurjanz

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.