

Calibration certificate No.: JUZ-00445313

Inspection date: 2022.09.29

Identity number : 121-2482
Gauge type : GO thread ring gauge (solid)
Designation : M 16 DIN 2510
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 $U_{(95)}$: $3 \mu\text{m} + 10 \cdot 10^{-6} \cdot l$
Reference temperature : $20^\circ\text{C} \pm 1\text{K}$
Comments :
Valuation : usable

Thread standard : DIN 2510:1974
 1./2. Flank angle : $30,00^\circ \pm 10'$ / $30,00^\circ \pm 10'$
 Pitch : $2,0000 \text{ mm} \pm 5,0 \mu\text{m}$ Thread starts: 1
 best Palpation element diameter : 1,1547 mm
 used Palpation element diameter : 1,1547 mm Constant of T-shaped probe: 1,1547 mm
 Measuring method : Evaluation of contour data file

Gauge nominal values
 External diameter (min) : 15,9780 mm
 Effective diameter new (min) : 14,5070 mm
 Effective diameter new (max) : 14,5250 mm
 Effective diameter - Wear limit : 14,5370 mm
 Minor diameter (min) : 13,6487 mm
 Minor diameter (max) : 13,6667 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. [μm]
1	1	14,5115	14,5115	---x-----
2	1	14,5107	14,5107	---x-----

Operator: Jens Bahn