

Calibration certificate No.: JUZ-00414098

Inspection date: 2022.03.03

Identity number : 116-01729
Gauge type : NO GO thread ring gauge (solid)
Designation : M 24 DIN 2510
Inspection procedure : VDI/VDE/DGQ 2618, Blatt 4.9, April 2006
Inspection device and traceability : Konturennormal CN181 No. 328 Certificate number: D-K-17059-02-00
 ConturoMatic TS-X No. 11527 Certificate number: 18071875
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 : $30,00^{\circ} \pm 13'$ / $30,00^{\circ} \pm 13'$
 Pitch : $3,0000 \text{ mm} \pm 5,0 \mu\text{m}$ Thread starts: 1
 best Palpation element diameter : 1,7321 mm
 used Palpation element diameter : 1,7321 mm Constant of T-shaped probe: 1,7321 mm
 Measuring method : Evaluation of contour data file

Gauge nominal values

External diameter (min) : 23,7990 mm
 Effective diameter new (min) : 21,6210 mm
 Effective diameter new (max) : 21,6390 mm
 Effective diameter - Wear limit : 21,6450 mm
 Minor diameter (min) : 21,0120 mm
 Minor diameter (max) : 21,0480 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. [μm]
1	1	21,6299	21,6299	-----x-----
2	1	21,6305	21,6305	-----x-----

Operator: Hunger

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.