

ISO 80369-7 Female Ring Gauge

for Male Luer Connector Fit Verification

Product datasheet for a precision female ring gauge used to check the dimensional fit and mating condition of male Luer connectors.

Female Ring Gauge

Male Luer Check

Dimensional Fit

Annex B Basis

Scan for Product Page

www.dgkingpo.com/product/iso-80369-7-female-ring-gauge/

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PRODUCT VIEW



Female Ring Gauge

Dimensional and fit verification for male Luer connectors

STANDARD BASIS ISO 80369-7 dimensional requirements

TEST OBJECT Male Luer connectors

USE Checking Luer taper fit and mating geometry

POSITIONING Gauge, not leakage or axial-load test apparatus

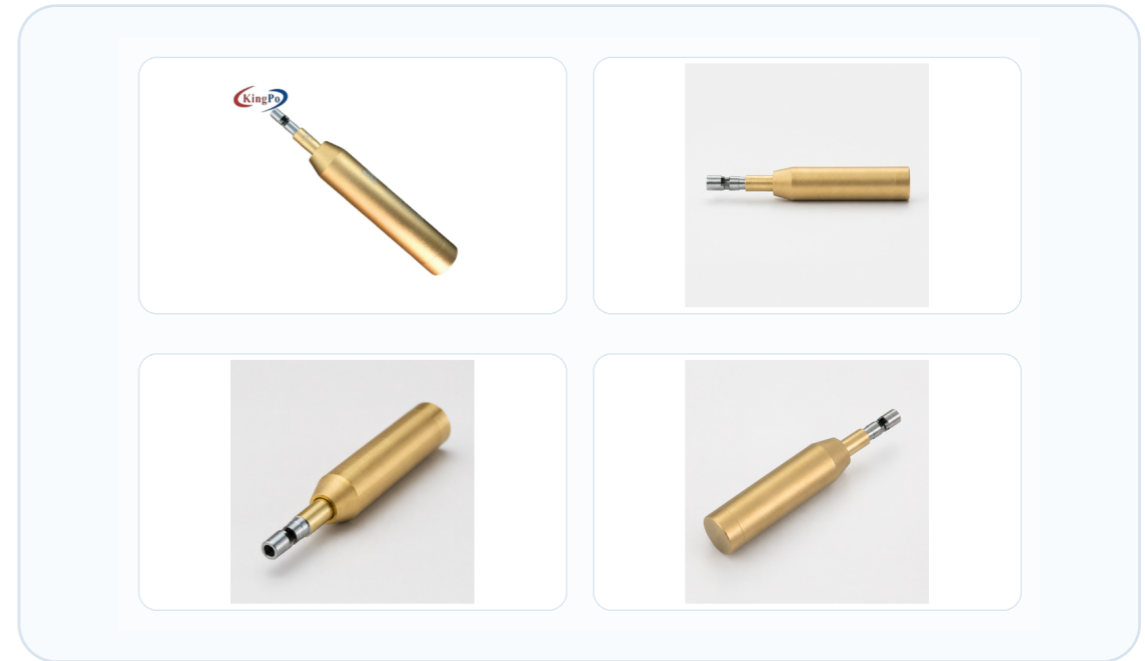
Product Overview

Dimensional and fit verification gauge for checking male Luer connector mating geometry.

What this gauge is used for

The ISO 80369-7 Female Ring Gauge is used to verify the external mating geometry of male Luer connectors. The gauge provides a controlled female ring interface to check whether the male Luer connector sample fits the expected Luer taper and mating condition.

It is not an ISO 80369-20 leakage tester, axial load tester, or Annex C reference connector. It is mainly used as a practical dimensional or fit verification gauge before further functional testing is performed.



Key Information

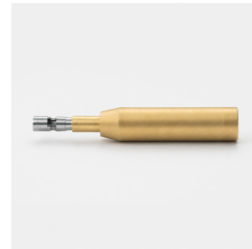
Applicable standard	ISO 80369-7 dimensional requirements for Luer connectors
Product type	Female Ring Gauge / Luer dimensional gauge
Test object	Male Luer connectors
Main purpose	Dimensional and fit verification of the male Luer connector interface
Typical check	Luer taper fit, insertion condition and mating geometry
Documentation	Datasheet, material, dimensional or hardness confirmation where applicable

How It Is Used



Main view

Hand-held female ring gauge for male Luer fit checks.



Side view

Side view showing the handle and precision gauge end.



Working end

Working end used to check male Luer mating geometry.



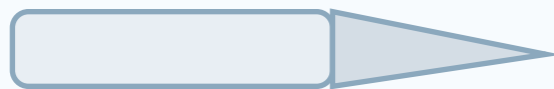
Actual product

Original product view for reference.

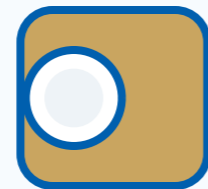
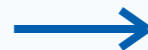
Inspection Concept

Checks:

- External Luer taper
- Insertion / mating fit
- Dimensional conformity indication



Male Luer connector sample



Female Ring Gauge

Typical Use Procedure

- 1 Confirm the sample is a male Luer connector.
- 2 Clean the sample and the gauge working interface.
- 3 Mate the male Luer connector with the female ring gauge.
- 4 Observe fit according to the internal inspection procedure.
- 5 Record the result and protect the gauge after inspection.

Important positioning

This gauge is for dimensional and fit verification. Leakage, air leakage, axial load or stress cracking tests require the appropriate test setup.

Technical Notes

Standard positioning, handling guidance and procurement information.

Standard Basis and Correct Positioning

ISO 80369-7 basis	Dimensional requirements for Luer connectors and Annex B Luer connector dimensions
Gauge function	Dimensional / fit verification of male Luer connectors
Not the same as	Annex C C.1-C.6 reference connectors used in specific performance test configurations
Not a tester	Does not apply leakage pressure, axial load or stress cracking conditions
Hardness note	HRC58-62 can be provided where confirmed by KINGPO product specification



Technical Features

- **Female ring interface**
Checks male Luer connector external mating geometry.
- **Precision working end**
Machined for repeatable dimensional and fit verification.
- **Hand-held structure**
Convenient for R&D, incoming inspection and production QC.
- **Documentation support**
Datasheet, material, dimensional or hardness information where applicable.

Inquiry Information

- **Required item**
ISO 80369-7 Female Ring Gauge
- **Sample type**
Male Luer slip or male Luer lock connector
- **Intended use**
R&D check, incoming inspection or production QC
- **Support**
Specify any material, hardness or dimensional confirmation requirement