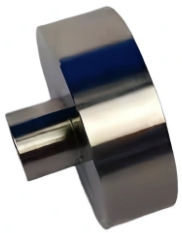
30 mm | IEC 62368-1 | M6 x 1.0



IEC 62368-1 Annex T

Mechanical Strength Tests

30 mm Force Application Tool Product Catalogue

A compact 30 mm circular plane force application tool for IEC 62368-1 Annex T steady force testing. It connects to a compatible force gauge for 100 N and 250 N configurations.

Applicable Standard

IEC 62368-1 Annex T

Test Object

Applicable equipment enclosures and safeguards

Test Force

100 N +/-10 N or 250 N +/-10 N

Connection

M6 x 1.0 internal thread

Specifications should be confirmed according to the selected standard edition and laboratory procedure.

Product Overview and Test Architecture

This dedicated Annex T force application tool provides a controlled 30 mm circular plane contact surface for steady force procedures. It is supplied as a standalone accessory and connects to a compatible external force gauge or loading system.

Standard-oriented test scope

Designed for IEC 62368-1 Annex T mechanical strength testing of applicable enclosures and safeguards.

Defined 30 mm loading surface

Provides the specified circular plane contact geometry for 100 N and 250 N steady force procedures.

M6 x 1.0 connection

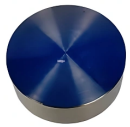
Connects to a compatible force gauge, adapter or loading system. Thread compatibility should be checked before ordering.

Standalone laboratory accessory

The standard supply includes the force application tool only. A force gauge, stand and fixture are not included.

30 mm Test Tool

IEC 62368-1 Annex T



Circular plane surface

Tool-only supply

Functional Test Flow

1. Prepare EUT
2. Connect Tool
3. Apply Force
4. Hold Load
5. Verify Result

Detailed Technical Specifications

The following specifications summarize confirmed catalogue-level information. Unconfirmed material, tolerance and surface flatness values are identified for confirmation rather than assumed.

Standard and Test Scope

Parameter	Specification
Product name / model	IEC 62368-1 Annex T
Applicable standard	IEC 62368-1 Annex T
Test object	Applicable equipment enclosures and safeguards
Test purpose	Steady force mechanical strength testing
Standard supply	30 mm force application tool only
Packaging	Protective storage case
Optional configuration	Gauge, stand or fixture by project confirmation
Documentation	Available according to confirmed project scope

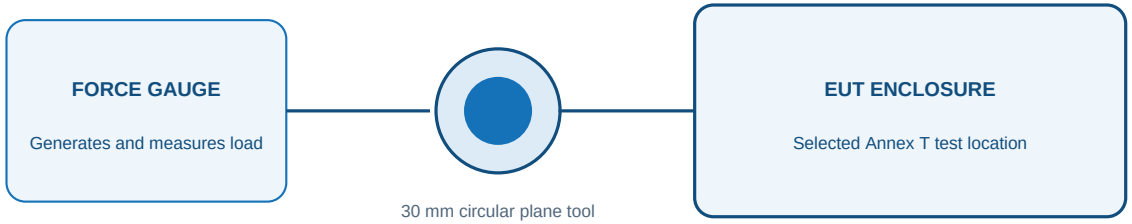
Force Application Tool Parameters

Parameter	Specification
Loading surface	Circular plane surface
Surface diameter	30 mm
Applicable test force	100 N +/-10 N or 250 N +/-10 N
Maximum stated test force	250 N +/-10 N
Connection	M6 x 1.0 internal thread
Force gauge / test stand	Not included
Material / tolerance / flatness	To be confirmed

Steady Force Test Principle and Procedure

The complete arrangement combines a compatible force gauge or controlled loading system, the 30 mm circular plane tool and stable support for the equipment under test.

Annex T Steady Force Test Concept



Key principle: The tool controls the contact area. The external system controls the force level, loading direction, duration and measurement accuracy.

Core Requirements

- 30 mm circular plane surface
- 100 N +/-10 N or 250 N +/-10 N
- Stable and aligned loading direction
- Compatible external force gauge

Test Method Notes

- Confirm the applicable Annex T clause.
- Secure or support the equipment under test.
- Apply and hold the specified force.
- Evaluate the enclosure and safeguards.

1. Prepare EUT
2. Connect Gauge
3. Position Tool
4. Apply Load
5. Verify Result

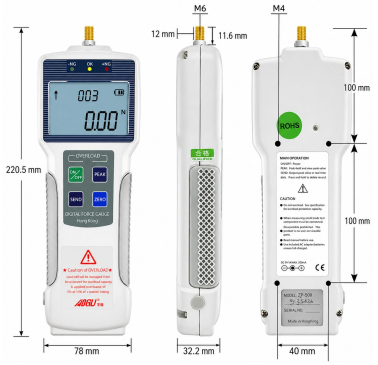
Connection Compatibility and Force Verification

These two technical references are included because they directly support connection matching and selection of the external force-measuring system.

M6 x 1.0 Connection Detail

The force application tool uses an M6 x 1.0 internal thread. Compatibility should be checked against the existing gauge, adapter geometry and thread engagement before ordering.

Compatible Force Gauge Reference



The illustrated digital force gauge is a configuration reference rather than part of the standard supply. Select a gauge and stand with suitable range, accuracy, connection and mechanical capacity.

Verification Guidance

1. Confirm the required 100 N or 250 N procedure.
2. Verify force-gauge range and calibration status.
3. Check thread matching and loading alignment.

Applications, Compliance and Purchasing Guidance

Typical Users

Third-party and certification laboratories
AV/ICT equipment manufacturers
Quality inspection institutions
R&D; and regulatory compliance teams

Operation Notes

Confirm the applicable clause and loading position before testing. Use stable support and calibrated force-measuring equipment. The tool must not be treated as a complete test machine.

Compliance and Documentation

The tool supports IEC 62368-1 Annex T testing but does not independently certify product compliance. Inspection or calibration-related documents should be agreed according to the project scope.

Product Distinction

This is a steady force application accessory. It is not an accessibility probe, steel-ball impact tool, impact hammer, drop-test system or automatic force test stand.

Technical Inquiry and Expert Support

KingPo can review the applicable Annex T clause, required force level, existing gauge connection and complete test setup before quotation or purchase.

Please Provide the Following Information

Applicable standard:	IEC 62368-1 Annex T and the applicable laboratory procedure
Required force:	100 N +/-10 N, 250 N +/-10 N or both
Sample information:	Product type, enclosure area and intended loading position
Existing equipment:	Force gauge, stand, adapter or fixture already available
Connection requirement:	M6 x 1.0 compatibility and fixture details
Documentation:	Datasheet, dimensional inspection or related records
Configuration support:	Tool only or additional gauge / stand matching

Product Page

Scan the QR code for the online product page.

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