



THREAD CHECK INC.

Precision Gage Solutions

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Reference Standards

A common issue of measurement problems is the use of standards and specifications that may be outdated. User of these standards should contact the reference sources to ensure they are working to the most current standard. The following list covers many popular gaging and measurement standards.

ANSI/ASME B1.2

Gages, and Gaging for United Inch Screw Threads

ANSI/ASME B1.3M

Screw Thread Gaging Systems for Dimensional Acceptability

ANSI/ASME B1.16M

Gages and Gaging for Metric M Screw Threads

ANSI/ASME B1.20.1

Pipe Threads, General Purpose (Inch)

ANSI/ASME B1.20.5

Gaging for Dryseal Pipe Threads

ANSI/ASME B1.20.6M

Metric Translation of ANSI/ASME B1.20.5

ANSI/ASME B1.22M

Gages and Gaging for MJ Series Metric Screw Threads

ANSI/ASME B46.1

Surface Texture, Roughness, Waviness and Lay

ANSI/ASME B47.1

Gage Blanks

ANSI/ASME B89.1.2M

Calibration of Gage Blocks by Contact Comparison Method

ANSI/ASME B89.1.6M

Measurement of Qualified Plain Internal Diameters for use as Master Rings and Ring Gages

ANSI/ASME B89.1.9

Gage Blocks (2002)

ANSI/ASME B89.3.1

Measurement of Out of Roundness

ANSI/ASME B89.6.2

Temperature and Humidity Environment for Dimensional Measurement

ANSI/ASME B89.1.17-2001

Measurement of Thread Measuring Wires

ANSI/ASME B89.1.5-1998

Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages

ANSI/ASME B89.7.3.1

Guidelines for Decision Rules Considering Measurement Uncertainty in Determining Conformance to Specifications.

ANSI/NCSL Z-540-1

Calibration Laboratories and Measuring and Test Equipment – General Requirements

ANSI/NCSL Z-540-2

American National Standard for Expressing Uncertainty

ANSI/ASME B89.1.13

Micrometers

ANSI/ASME B89.1.14

Vernier Gages and Digital Calipers

ASME B1.10M

Unified Miniature Screw Threads

FED-STD-H28/22

Gages and gaging for Metric Screw Threads –M and MJ Thread Forms

API SPECIFICATION 11B – Specification for Sucker Rods

API SPECIFICATION 5B

Threading, Gauging, and Thread Inspection of Casing, Tubing, and Line Pipe Threads

ANSI/API SPECIFICATION 7-2 (Formerly in Spec 7)

Specification for Threading and Gauging of Rotary Shouldered Thread Connections

API SPECIFICATION 7

Specification for Rotary Drill Stem Elements

API SPECIFICATION 5CT

Specification for Casing and Tubing

API SPECIFICATION 11AX

Specification for Subsurface Sucker Rod Pumps and Fittings

ISO GUM

Guide to the Expression of Uncertainty in Measurement

ISO/IEC 17025

General requirements for the competence of testing and calibration laboratories

BS21:1985

Pipe threads for tubes and fittings where pressure tight joints are made on the threads (metric dimensions)

BS 21:1985

Pipe threads for tubes and fittings where pressure tight joints are made on the threads (metric dimensions)

BS EN ISO 228-1:2003

Pipe threads where pressure tight joints are not made on the threads

Part 1: Dimensions, tolerance & designation

BS EN ISO 228-2:2003

Pipe threads where pressure tight joints are not made on the threads

Part 2: Verification by means of limit gauges

BS EN 10226-1:2004

Pipe threads where pressure tight joints are made on threads

Part 1: Taper external threads and parallel internal threads-dimensions, tolerance & designation

BS EN 10226-2:2005

Pipe threads where pressure tight joints are made on the threads

Part 2: Taper, external threads & taper internal threads-Dimensions, tolerances & designation

BS EN 10226-3:2005

Pipe threads where pressure tight joints are made on the threads

Part 3: Verification by means of limit gauges

ISO 7-1 3rd edition 1994-05-15

Pipe threads where pressure tight joints are made on the threads

Part 1: Dimensions, tolerances & designation

ISO 7-2 2nd edition 2000-09-15

Pipe threads where pressure tight joints are made on the threads

Part 2: Verification by means of limit gauges

ISO 228-1 4th edition 2000-09-01

Pipe threads where pressure tight joints are not made on the threads

Part 1: Dimensions, tolerances & designation

ISO 228-2 2nd edition 1987-08-15

Pipe threads where pressure tight joints are not made on the threads

Part 2: Verification by means of limit gauges