



**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A common issue of measurement problems is the use of standards and specifications that may be outdated.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 3<sup>rd</sup> edition 1994-05-15**

Pipe threads where pressure tight joints are made on the threads

Part 1: Dimensions, tolerances & designation

**ISO 7-2 2<sup>nd</sup> 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 4<sup>th</sup> edition 2000-09-01**

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

Part 1: Dimensions, tolerances & designation

**ISO 228-2 2<sup>nd</sup> edition 1987-08-15**

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

Part 2: Verification by means of limit gauges