

B89 Document Status

Last Updated: October 20, 2023

Designation and Title	Division or PT	Status of Document
B4.4M-1981 (R1994) Inspection of Work pieces	None	WITHDRAWN Can be obtained from IHS Global Engineering.
B89.1.2M-1991 Calibration of Gage Blocks by Contact Comparison Methods	PT B89.1.2	Record 06-1582, PINS 199 submitted 13 Dec 06 Standards Committee Ballot: 08-457 Disapproved Revision process cancelled at Oct 2012 Meeting Consolidated into B89.1.9
B89.1.5-1998 (R2019) Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages	PT B89.1.5	Consolidate into B89.1.6 Std Com. Approved May 2019 Meeting Public Review BSR 8 #2530 Closed 7 July 2019 BSR9 #1931 ANSI Approval 1 Aug 2019 REAFFIRMED
B89.1.6-2002 (R2022) Measurement of Plain Internal Diameters for Use as Master Ring Gages	PT B89.1.6	B89.1.5 will be consolidated into this PT Std Com. Reaff Ballot 22-1370 Approved BSR8 2896 Public Review Closed 24 Aug 2022 BSR9 #2217 ANSI Approved 1 Sept 2022 REAFFIRMED
B89.1.7-2009 (R2019) Performance Standard for Steel Measuring Tapes	Div 1	BSR9 #1884 ANSI Approved 27 Feb 2019 REAFFIRMED Std Com. Reaff Ballot #23-3110 to close 15 Nov 2023
B89.1.8-2011 (R2021) Performance Evaluation of Displacement-Measuring Laser Interferometers	PT B89.1.8	Std Com. Approved Ballot #21-136 BSR8 #2716 Public Review Closed 18 May 21 BSR9 #2082 ANSI Approved 25 May 2021 REAFFIRMED
B89.1.9-2002 (R2012) Gage Blocks	PT B89.1.9	B89.1.2 be consolidated into this PT PINS 622 BSR-8 #2915 Public Review Closed 12/28/2022 BSR-8 #2940 Public Review 1/20/2023 – 2/20/2023 BSR-9 #2254 ANSI Approved 23 Feb 2023 Expected DOI 27 Oct 2023
B89.1.10M-2001 (R2021) Dial Indicators (for Linear Measurement)	PT B89.1.10	Std Comm Ballot #21-1912 Approved 5 Aug 21 BSR8 #2753 Public Review Opened 20 Aug 21 BSR 9#2115 ANSI Approved 28 Oct 2021 REAFFIRMED

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B89.1.11 Single Axis Linear Transducers		DROPPED
B89.1.12 Methods for Performance Evaluation of Coordinate Machines	PT B89.4.1 B89.4.7	INCORPORATED into ASME Standard B89.4.1 LB# 95-07
B89.1.13-2013 (R2022) Micrometers	PT B89.1.13	Record #18-200, Ballot #18-264 DISAPPROVED 1 Negative PINS # 665 sent 5/10/18 CANCELLED Reaffirmation BSR8 #2906 Closed 19 Oct 2022 BSR-9 #2226 ANSI Approved 21 Oct 2022 REAFFIRMED
B89.1.14-2018 (R2023) Calipers	PT B89.1.14	Std. Com. Reaff. Ballot #22-2943 Closed 4 Nov 2022 BSR-8# 2920 Public Review Closed 18 Jan 2023 BSR-9 #2239 ANSI Approved 20 Jan 2023 REAFFIRMED
B89.1.17-2001 (R2017) The Measurement of Thread Measuring Wires	PT B89.1.17	BSR 8 #2277 BSR 9 #1751 ANSI Approved 21 August 2017 (Reaffirmed) Rec. # 17-3209, PINS 654
B89.1.18 Height Gages	PT B89.1.18	PT officially inactive. Dormant for over 10 years. Committee voted to drop the project 29 April 2022
B89.1.19 The Mechanical Measurement of Master Spheres – DRAFT	PT B89.1.19	Record #07-74, PINS 201 Submitted 10 Jan 07 DROPPED 18 Oct 19 to cancel the project and close the PINS.
B89.1.20 Feeler Gages – DRAFT	PT B89.1.20	Record #11-554, PINS #407 submitted 24 Mar 11 PT and Division Ballot #13-1787 Disapproved Standard Committee Ballot #15-919 Disapproved Document Closed 10/16/2020 PINS WITHDRAWN
B89.1.21 Indicating Bore Gages – DRAFT	PT B89.1.21	Committee was created at May 2010 meeting Record #10-1093, PINS #371 submitted 15 Jun 10
B89.2.1 Graduated Circles	PT B89.2.1	DROPPED
B89.2.3 Angle Transfer Standards	PT B89.2.3	DROPPED

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B89.3.1-1972 (R2003) Measurement of Out-Of-Roundness	PT B89.3.1	Record #06-243, PINS #480 submitted 03 Jan 2013 Std. Com. & PT Ballot #10-2013RC101 Approved Issues found by std. Com. members. DOCUMENT WITHDRAWN BY ANSI PINS #480 active to create a new standard
B89.3.2 Dimensional Measuring Planning	PT B89.3.2	CHANGED to B89.7.2
B89.3.4-2010 (R2019) Axes of Rotation –Methods for specifying and testing	PT B89.3.4	Std. Com. Approved May 2019 Meeting Public Review BSR 8 #2531 Ended 30 July 2019 BSR9 #1930 ANSI Approval 1 Aug 2019 REAFFIRMED
B89.3.5 Straightness Methods for Specifying Measurement— DRAFT	PT B89.3.5	DROPPED
B89.3.6 Gaging and Fixturing for Geometric Tolerancing (Functional Gages)	PT B89.3.6	TRANSFERRED to Y14 Committee 4/28/01. PUBLISHED as Y14.43-2003.
B89.3.7-2013 (R2023) Granite Surface Plates	PT B89.3.7/8	Stds Com. Approved Reaff Ballot #22-3263 09 Dec 2022 BSR-8# 2939 Public Review Closed 22 Feb 23 BSR-9 #2260 ANSI Approved 24 Feb 23 REAFFIRMED
B89.4.1-1997 Methods for Performance Evaluation of Coordinate Measuring Machines (CMMs)	Div 4 B89.4	REVISED AND REDESIGNATED as B89.4.10360.2—2008; Acceptance test and reverification test for coordinate measuring machines (CMMs)—Part 2: CMMs used for measuring linear dimensions
Addenda "a" to B89.4.1	PT B89.4.17	Part 1 Appendix C, LB #97-02 closed 3/7/97 with comments. Comments were addressed. Proposal approved by BoS LB #1776 and ANSI approved 8/11/97. Item published in Addenda "a".
	PT B89.4.13	Part 2 Supplement to Appendix I, LB #97-09, approved 9/8/97. BoS and ANSI approved. Item published in Addenda "a".
Addenda "b" to B89.4.1	PT B89.4.1	Latest Draft approved—LB01-001 (4/13/01). ANSI Final Approval on 8-27-01. PUBLISHED in Feb 08 2002.

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		Changes to addenda voted (online) by the Consensus Committee and approved.
B89.4.10-2021 Methods for Performance Evaluation of Coordinate Measuring System Software	PT B89.4.10	PINS# 595 submitted 29 June 16 BSR8 #2734 Public Review Closed 20 July 21 BSR9 #2093 ANSI Approved 22 July 21 PUBLISHED
B89.4.18 Video Systems and Contour Projectors – DRAFT	PT B89.4.18	PINS #90, Record #22-1898 PT and Div. 4 Ballot #22-3050 Disapproved 21 Nov 2022
B89.4.19-2021 Performance Evaluation of Laser Based Spherical Coordinate Measurement Systems	PT B89.4.19	PINS #668 submitted 31 May 18 Board Approved 21 July 21 BSR8 #2740 Public Review Closed 07 Sept 21 BSR9 #2103 ANSI Approved 13 Sept 21 PUBLISHED
B89.4.21.1-2020 TECHNICAL REPORT Environmental Effects on Coordinate Measuring Machine Measurements	PT B89.4.21	Record #11-735 BSR8 #2453 Public Review Closed 13 Jan 2019 Std. Com. Ballot #18-286RC101 Approved 18 Oct 2019 Board Approved 18 Dec 2019 PUBLISHED
B89.4.22-2004 (R2019) Methods for Performance Evaluation of Articulated Arm Coordinate Measuring Machines	PT B89.4.22	Std. Com. Approved Oct 2018 Meeting BSR8 #2455 Public Review Closed 28 Feb 2019 BSR9 #1892 ANSI Approved 8 Mar 2019 REAFFIRMED
B89.4.23-2020 CT Measuring Machines	PT B89.4.23	BSR8 #2635 Public Review Closed 25 Aug 2020 BSR9 #2029 ANSI Approved 3 Sept 2020 PUBLISHED
B89.4.24 Software Requirements to Support Measurement of Workpiece Tolerance - Draft	PT B89.4.24	Committee was approved at the May 2016 Meeting

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B89.4.10360.2-2008 (R2023) TECHNICAL REPORT - Acceptance test and reverification test for coordinate measuring machines (CMMs) — Part 2: CMMs used for measuring linear dimensions	PT B89.4	Revision and Re-designation of B89.4.1 Harmonized with ISO 10360.2 PUBLISHED 11 Jul 08 Std. Com. Approved Reaff. Ballot #22-3263 09 Dec 2022 ASME Public Review BSR-8# 2940 Closed 22 Jan 2023 Board Approved 04 Jan 2023 REAFFIRMED
B89.4.10360.3 Acceptance and Reverification Tests for Coordinate Measuring Machines (CMM) — Part 3: CMMs with the Axis of a Rotary Table as the Fourth Axis - DRAFT	PT B89.4	Record #11-2103 Harmonized with ISO 10360-3 PINS #440 Submitted 30 Nov 11
B89.4.10360.5 Acceptance Test and Reverification Test for Coordinate Measuring Machines (CMMs) — Part 5: CMMs using single and multiple stylus contacting probing systems – DRAFT	PT B89.4.11	Harmonized with ISO 10360-5 Record #10-848, PINS #366 submitted 04 May 10 Standards Committee Ballot #10-1447 Disapproved Recirculation Ballot #10-1447RC1 Approved 11.29.11
B89.4.10360.10 Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 10: Laser trackers for measuring point-to-point distances	PT B89.4.19	Supersedes B89.4.19-2006 PINS #389 submitted 14 Jan 11
B89.5 Definitions of General Dimensional Metrology Terms	PT B89.5	Committee voted APPROVED at the May 2006 meeting to post on website for Internal use only POSTED as PDF under B89 Committee Documents
B89.6.2-1973 (R2017) Temperature and Humidity Environment for Dimensional Measurement	PT B89.6.2	Published in 1973 Reaffirmed ANSI Approval 11 July 17 Revision Started PINS #772

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B89.6.4 Design Standard & Environmental Control Guidelines for Dimensional Measurements Facilities – DRAFT	Div B89.6	Record #11-635 PINS #409 submitted 04 Apr 11
B89.7.1 – 2016 (R2021) TECHNICAL REPORT - Guidelines for Addressing Measurement Uncertainty in the Development and Application of ASME B89 Documents	PT B89.7.1	No PINS submitted because it is a Technical Report: Record #20-2786 Std. Com. Ballot #21-136 Approved ASME Public Review BSR8 #2715 Closed 5 May 21 Board Approved 1 April 21 REAFFIRMED
B89.7.2-2014 (R2019) Dimensional Measurement Planning	PT B89.7.2	Std. Com. Approved May 2019 Meeting Public Review BSR 8 #2532 Ended 30 July 2019 BSR9 #1929 ANSI Approval 1 Aug 2019 REAFFIRMED
B89.7.3.1-2001 (R2019) Guidelines For Decision Rules: Considering Measurement Uncertainty in Determining Conformance to Specifications	PT B89.7.3	Revision Started PINS #596 Reaffirmation Stds. Com. Approved May 2019 Meeting Public Review BSR 8 #2533 Ended 30 July 2019 BSR9 #1928 ANSI Approval 1 Aug 2019 REAFFIRMED
B89.7.3.2-2007 (R2021) TECHNICAL REPORT – Guidelines for the Evaluation of Dimensional Measurement Uncertainty	PT B89.7.3	Stds Comm Ballot #21-1913 Approved 05 Aug 21 ASME Public Review BSR8 #2754 Closed 05 Sept 21 Board Approved 15 Sept 21 REAFFIRMED
B89.7.3.3-2002 (R2022) Guidelines For Assessing the Reliability of Dimensional Measurement Uncertainty Statements	PT B89.7.3	Stds Comm Ballot #21-3300 Approved 4/28/2022 BSR8 #2874 Public Review Closed 13 July 2022 BSR9# 2211 ANSI Approved 29 July 2022 REAFFIRMED
B89.7.4.1-2005 (R2016) TECHNICAL REPORT – Measurement Uncertainty and Conformance Testing: Risk Analysis	PT B89.7.4	Public Review Closed 11 Oct 16 REAFFIRMED Record #21-1889 opened for Revision

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B89.7.5-2006 (R2016) TECHNICAL REPORT – Metrological Traceability of Dimensional Measurements to the SI Unit of Length	PT B89.7.5	Last Public Review Closed 11 Oct 16 PINS 749 Issued to elevate to a new B89.7.5 Standard R&C Ballot #21-2607 Closed 14 Oct 2021
B89.7.6-2019 Guidelines for the Evaluation of Uncertainty of Test Values Associated with the Verification of Indicating Dimensional Measuring Instruments to their Performance Specifications	PT B89.7.6	PINS #643 submitted 31 Aug 17 B89.7.6 PT, Div. 7 and Std. Com. Ballot #19-848 Public Review BSR 8 #2513 Ended 11 June 2019 Std. Com. Ballot #19-848RC1 Approved 9 Sept 19 Public Review BSR 8 #2557 Ended 27 Oct 2019 BSR 9 #1942 ANSI Approved 10/31/19 PUBLISHED
B89.7.8 Guidelines for the Traceability of Dimensional Measurements	PT B89.7.8	CHANGED to B89.7.5
B89 Technical Paper – 1990 (R2000), Space Plate Test Recommendations for CMMs	B89 Div 4	LB00-008, Approval of reaffirmation. LB #00-008 was approved. Will be made available as reference material
B89 Technical Paper – 1990 (R2000), Parametric Calibration of CMMs	B89 Div 4	LB00-009, Approval of reaffirmation with errata. LB #00-009 was approved Will be made available as reference material

BST - Board on Standardization & Testing. BST approval takes from one week to six weeks depending whether a ballot is needed.

BSR 8 - The BSR 8 is ANSI's public review. Public review through ANSI lasts 60 days but takes approximately three months.

BSR 9 - The BSR 9 is final approval from ANSI. The period lasts from one week to one month depending whether a ballot is needed.

PT, Div., Std Comm Ballot - This is the most recent Letter Ballot the particular proposal was sent out for.

PINS - A PINS form notifies ANSI and other Standards Developing Organizations that a project has been initiated or to revise or reaffirm a standard.

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