

**PARKER RESEARCH CORPORATION  
CLEARWATER, FLORIDA, U.S.A.  
PHONE: (727) 796 4066 FAX (727) 797 3941  
CERTIFICATION**

**CALIBRATION DATE:**

**ORDER NO:**

**CUSTOMER:**

**DESCRIPTION:** Magnetic Weight Lift Test Bar / Defect Test Bar

**MANUFACTURER:** Parker Research Corporation

**MODEL:** TB10-SP

**LOT NUMBER:**

**MFR SERIAL NO:**

**CALIBRATION RESULTS**

The TB-10-SP Magnetic Weight Lift Test Bars indicated above checks accurate to 10 lbs. 2 oz. (+/- 1 oz.)

We hereby certify that the referenced Weight Lift Test Bars will comply with the specifications of the applicable Magnetic Particle standards indicated below.

- 1. ASME Section V, Article 7**
- 2. ASTM E709-15**
- 3. NAVSEA-TB-T9074-AS-GIB-010/271 Rev. (September 11, 2014)**
- 4. ASTM E-1444/E1444M-16**

**APPLICABLE MEASUREMENT STANDARDS**

Description	MFR	Model	I.D. / S/N NO.	DUE DATE	N.I.S.T REF NO.
Scale (Balance)	Accu-Weigh.	ACCUM-20	505340	10/01/2020	28796-501, 31822-501

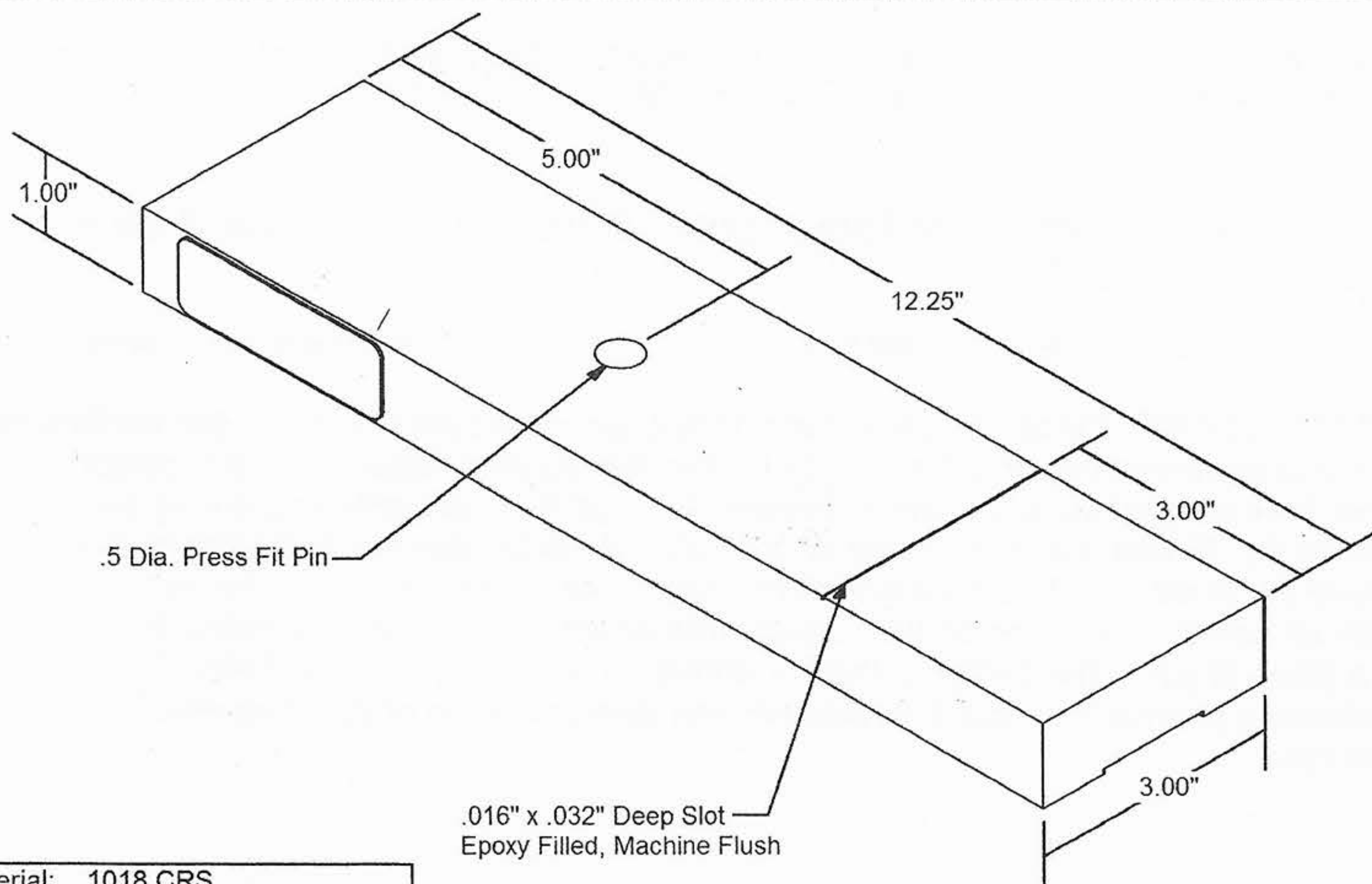
**Accuracies of standards used are traceable to the National Institute of Standards and Technolgy (N.I.S.T.)**

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Reviewed: Matt Parker

**INSTRUCTIONS:** Place Yoke legs flat on the channeled side of the test bar surface at the recommended spacing. Be sure to tighten the leg joint fasteners at any spacing other than straight up and down to prevent the legs from straightening during the test. For the AC lift test, place the Yoke on a single TB-10-SP test bar and perform the 10 pound lift. In addition to the weight lift test capability of the TB-10-SP, the bar has artificial defect indications on the non-channeled side of the bar. The indications consist of a press fit pin in the center of the bar and an epoxy filled, machined slot. These indications provide for a quick evaluation and demonstration of the magnetic particle principle.

**TB10-SP Weight Lift/Defect Test Bar**  
**Ten Pound AC Weight Bar with Artificial Defects**



Material:	1018 CRS
Finish:	Flat Black Acrylic Enamel
Weight:	10 lbs. 2 oz.

**Parker Research Corp.**