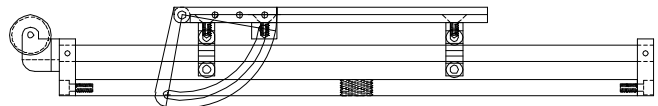
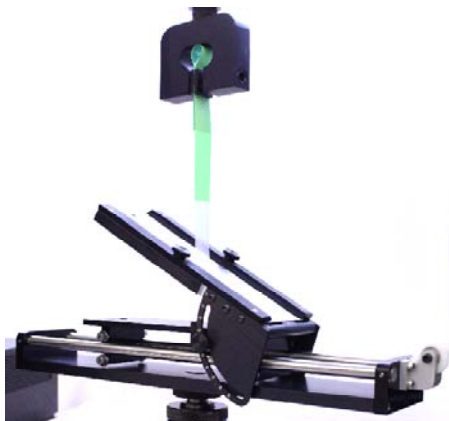


180° VARIABLE ANGLE PEEL TEST FIXTURE FOR SPECIMENS UP TO 2" WIDE AND 9" LONG



Specimen:	Width	Up to 2"
	Thickness	Any thickness up to 0.5"
	Length	Up to 9"
Fixture:	Construction	Stainless steel and aluminum
	Temperature	-20 to 120°F (-29 to 49°C)
	Mounting	Top: grip (grip not included)
		Bottom: 1"-14 threaded coupling
	Capacity	100 lbs (445 N)
	Weight	15 lbs approximately
	Dimensions	Assembled 4.25" x 6" x 12"
	Standard	Manufactured in accordance with ASTM B905, D3330, PSTC 6, and PSTC 2220

Model No. ASTM.b0905.10 - 180° Variable Angle Peel Test Fixture For Specimens Up To 2" Wide And 9" Long
Ball bearing mounted slide with 9" travel. The slide and shaft supports are constructed of sturdy aluminum. The slide holds a 9" by 3" test panel with two clamping rails and four hold down screws. The maximum specimen size is 2" wide by 9" long. The slide has an adjustable table that can be positioned from 0° to 90° and locked in place for testing. The rails are secured to the base of the test machine by an aluminum mounting bracket that is supplied with a 1"-14 threaded coupling. One end of the fixture supports a nylon wheel which is used to guide a thin Teflon coated steel wire. The steel wire is used for low force peel tests which require the sled to be driven by the cross head. The wire attaches to the sled and upper cross head. The fixture is supplied with a low force bearing system and 5 aluminum 3" x 9" panels. The capacity of the fixture is 100 lbs (500kN). The fixture does not include the upper tensile grip needed for peel testing. Manufactured in accordance with ASTM B905, D3330, PSTC 6, and PSTC 2220.

MODEL NO. ASTM.B0905.10

ADHESION, METALLIC, INORGANIC, COATINGS,

ACCESSORIES

Model No. Grip.10100.201- (1) 200lbs Screw Action Grip with 1" Square Grip Faces

Model No. ACC.D333.1101 - (S) Stainless Steel 3" x 9" panels

SPARE PARTS

Model No. SPA.D3330.1101 - (5) Aluminum 3" x 9" panels

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/B905.htm>

ASTM B905 - 00(2010)

Standard Test Methods for Assessing the Adhesion of Metallic and Inorganic Coatings by the Mechanized Tape Test

1.1 These test methods describe procedures for assessing the adhesion of metallic and inorganic coatings and other thin films to metallic and nonmetallic substrates. Assessment is made by applying pressure-sensitive tape to a coated surface and then utilizing a mechanical device to remove the tape at a regulated, uniform rate and constant angle while simultaneously recording the removal force.

1.2 Four methods are described. Methods A1 and A2 are intended primarily for use on parts. Methods B1 and B2 are intended primarily for use in laboratory evaluations. Methods B1 and B2 are not recommended for testing coatings and films on polymer substrates.

1.3 These test methods may be used to establish whether the adhesion of a coating to a substrate is within a required range (between a quantified low and a quantified high level). Determination of actual adhesive forces requires more sophisticated methods of measurement. In multilayer systems adhesion failure may occur between intermediate coating layers so that the adhesion of the total coating system to the substrate may not necessarily be determined.

1.4 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.5 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Extracted, with permission, from ASTM B905 Standard Test Methods for Assessing the Adhesion of Metallic and Inorganic Coatings by the Mechanized Tape Test, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19482. A copy of the complete standard may be purchased from ASTM International, www.astm.org.

Material Testing Technology

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