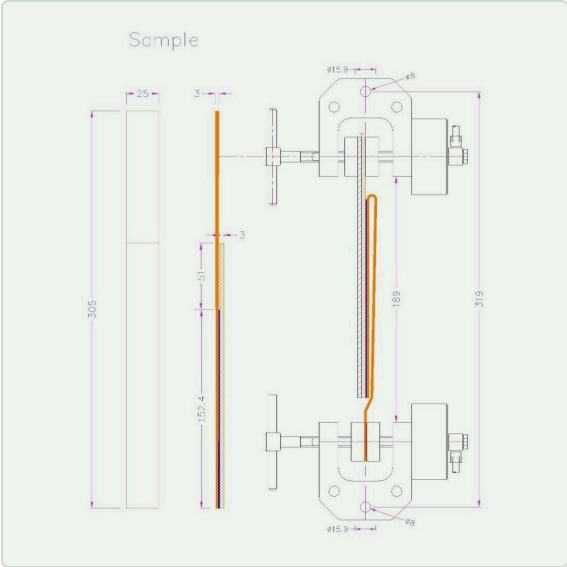
PRODUCT DATA SHEET

ASTM D903 Vise Grip

Vise Grips for 180-Degree Adhesive Peel Testing

Built to ASTM D903 — Standard Test Method for Peel or Stripping Strength of Adhesive Bonds



OVERVIEW

Vise grips for 180-degree peel testing of adhesive bonds per ASTM D903. One grip clamps the rigid adherend while the other holds the folded-back flexible member, so it is peeled away at 180 degrees and the stripping force is recorded.

KEY FEATURES

- Screw-action vise jaws clamp evenly across the specimen width
- Serrated faces for rigid adherends; smooth faces for flexible members
- Aligned jaws keep the peel line on the load axis
- Quick specimen loading and release
- Corrosion-resistant finish

TECHNICAL SPECIFICATIONS

Test method	180-degree peel
Test type / loading	Tension (peel), constant rate
Specimens	Flexible-to-rigid bonded strips per ASTM D903
Load capacity	1 kN standard; higher capacities on request
Actuation	Manual screw vise
Gripping surfaces	Serrated or smooth jaw faces
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Adhesive and sealant bonds
- Laminates, tapes and labels
- Coated fabrics and films
- Bonding process QC

ABOUT THE STANDARD

ASTM D903 determines the comparative peel or stripping characteristics of adhesive bonds between a flexible and a rigid adherend, or two flexible adherends. The flexible member is folded back and peeled at 180 degrees at a constant rate. Average peel force per unit width is reported for comparing adhesives and bonding processes.

Ordering & customization: Specify specimen width and thickness, jaw face, expected peel force and test machine connection. Supplied as a matched pair.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-D903-VG