INSTRON®

The difference is measurable®

Does Your Specimen Quality have an Adverse Effect on Your Data Reliability?

Proper test specimen preparation is an important step in ensuring accurate test results that are used for material characterization.

The Instron® Hollow Die Punch system is a tool used to create dog bone shaped specimens easily, quickly, and safely. An ideal choice over the "manual" punching of specimens, the system is powered by compressed air and creates a tensile specimen that is free of tool marks, incipient cracks, induced stresses, internal deformation, and heat distortion in or on the specimen. The system is enclosed on all four sides to prevent access to the work area during operation, protecting the operator from the moving die. The die, which is made of steel with hand-finished cutting edges, is suitable for use on a wide range of materials less than 5 mm thick. The Hollow Die Punch system creates standard-sized specimens that are in conformance to, but not limited to: ASTM D638, ASTM D882, ASTM D412, ISO 527-2; ISO 527 -3, and ISO 37.

Materials that can be punched include:

- Rubbers
- Plastics
- Elastomers
- Films
- Leathers
- Foams
- Textiles
- Paper
- Cardboards
- Cellular Materials

Example Die for Punching a Dog Bone Shaped Specimen

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