ASTM D3759 Ribbon Grip

Ribbon Grips for Pressure-Sensitive Tape Tensile

Built to ASTM D3759 — Standard Test Method for Breaking Strength and Elongation of Pressure-Sensitive Tape



OVERVIEW

Ribbon grips for measuring the breaking strength and elongation of pressure-sensitive tapes. The tape is wrapped around the grip's capstan before being clamped, so load builds gradually through friction and the tape breaks in the free length rather than at the jaw.

KEY FEATURES

- Capstan wrap distributes grip pressure and reduces jaw breaks
- Secondary clamp locks the tape end after wrapping
- Wide wrap surface suits standard tape widths
- Quick specimen loading for high-throughput QC
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Breaking strength and elongation of tape
Test type / loading	Tension
Specimens	Pressure-sensitive tape strips per ASTM D3759
Load capacity	1 kN standard; higher capacities on request
Fixture material	Steel and aluminum, corrosion-resistant finish
Gripping surfaces	Capstan wrap with secondary clamp
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Packaging and strapping tapes
- Electrical insulating tapes
- Filament-reinforced tapes
- Tape converting QC

ABOUT THE STANDARD

ASTM D3759 determines the breaking strength and elongation of pressure-sensitive tapes in a tensile testing machine. Tape specimens are pulled to break at a constant rate of extension, and force at break and elongation are reported. The results characterize tape backing strength for applications such as packaging, strapping and electrical insulation.

Ordering & customization: Specify tape width, expected breaking load and test machine connection when ordering.

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.
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