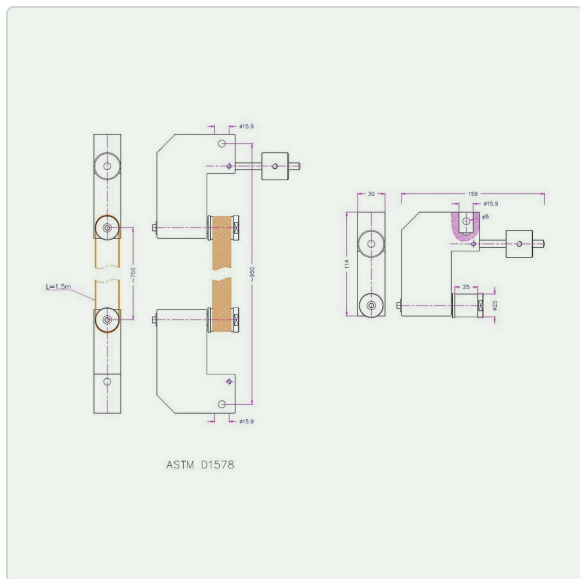


Skein Break Fixture for Yarn Testing

Built to ASTM D1578 — Standard Test Method for Breaking Strength of Yarn in Skein Form



OVERVIEW

Skein test fixture for determining the breaking strength of yarn in skein form. The reeled skein is looped over two rounded holders, one on each crosshead, and pulled apart until all strands break, giving a single combined breaking load. Smooth, rounded contact surfaces prevent premature cutting of the yarn.

KEY FEATURES

- Rounded, polished holders prevent yarn cutting
- Holders spaced to accept the reeled skein
- Even load sharing across all skein strands
- Quick skein mounting for high test throughput
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Breaking strength of yarn in skein form
Test type / loading	Tension of looped skein at constant rate
Specimens	Reeled yarn skeins per ASTM D1578
Load capacity	5 kN standard; higher capacities on request
Fixture material	Steel, polished contact surfaces
Contact surfaces	Rounded, polished skein holders
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Spun yarn production QC
- Filament yarn testing
- Fiber blend comparison
- Textile research labs

ABOUT THE STANDARD

ASTM D1578 determines the breaking strength of yarn in skein form, a quick method for comparing yarn strength using many strands at once. A skein of specified number of wraps is reeled and broken by separating two holders, and skein breaking strength or break factor is calculated. It applies to spun and filament yarns of most fibers.

Ordering & customization: Specify yarn type, skein size, required capacity 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. Part ref. UGC-D1578-PF