SHOULDER & BUTTON HEAD GRIPS

Carpet Tuft Withdrawal Fixture ISO 4919

Fixture for tuft withdrawal force of loop and cut pile carpets



OVERVIEW

A fixture for determining the tuft withdrawal force of carpets and textile floor coverings according to ISO 4919. The carpet specimen is held flat in a bottom sample holder, and a single tuft is pulled out using a loop hook for loop pile or forceps for cut pile. The fixture handles carpets from 2 to 9 mm thick at forces up to 150 N, and a version for ASTM D1335 is also available.

KEY FEATURES

- Built for tuft withdrawal tests to ISO 4919
- Loop hook for loop pile carpets
- Forceps for gripping single tufts in cut pile carpets
- Bottom holder clamps carpet specimen flat
- Accepts carpets 2 to 9 mm thick
- Version for ASTM D1335 tuft pull-out tests available

TECHNICAL SPECIFICATIONS

Max. load	150 N
Test type	Tuft withdrawal (pull-out)
Carpet thickness	2 – 9 mm
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Material	Steel, nickel-plated
Temperature range	0 to +70 °C (other ranges on request)
Scope of supply	Bottom sample holder, loop hook and forceps

AVAILABLE VERSIONS

ISO 4919 fixture	Holder, loop hook and forceps
ISO 4919 forceps version	Aluminum and stainless steel, adjustable opening 0–50 mm
ASTM D1335 fixture	Holder, loop hook and forceps
Upper part only	Forceps and chain
Loop hook only	With or without chain

APPLICATIONS

- Tufted carpets
- Loop pile floor coverings
- Cut pile carpets
- Automotive carpets

STANDARDS ISO 4919, ASTM D1335

Ordering & customization: Specify standard (ISO 4919 or ASTM D1335), pile type and coupling.

Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-SH-030

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DIMENSIONAL DRAWINGS

FIG. 1

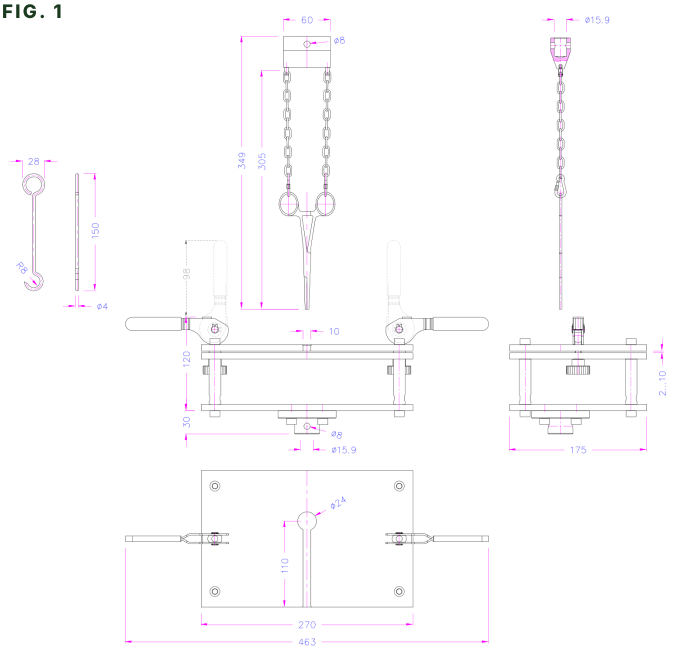


FIG. 2

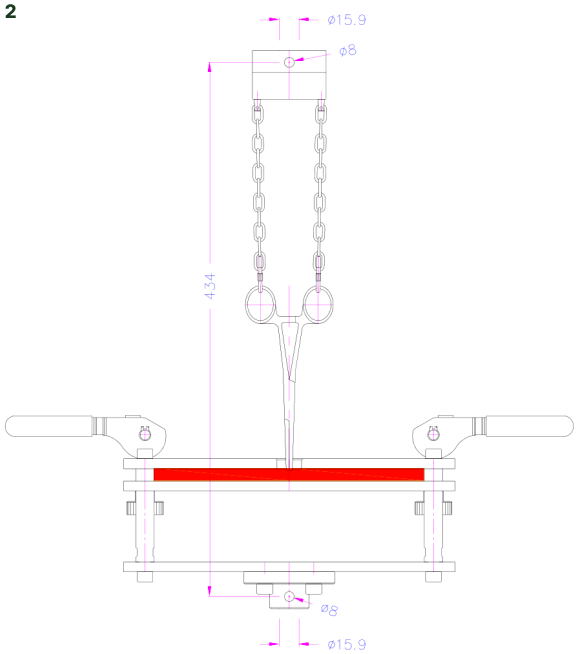


FIG. 3

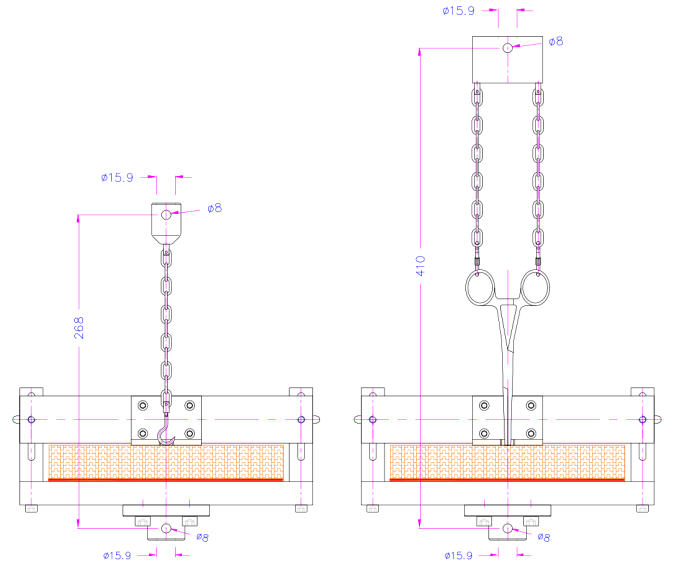
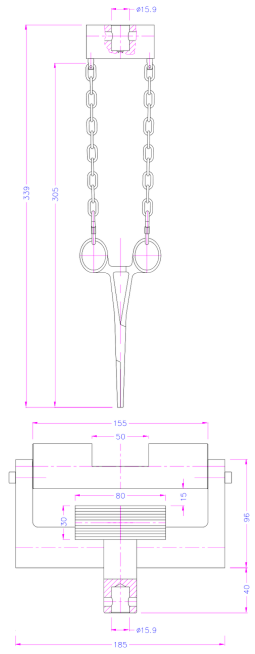


FIG. 4



Dimensions in mm. Drawings are representative of the product family and may show optional versions or accessories; dimensions are for reference only and may change without notice. Certified dimensional drawings and 3D models are available on request.