

TECHNISCHE DATEN

| | |
|----------------------------------|---------------------|
| Power connection | No power connection |
| Compressed air connection | nein |
| PC connection | No PC connection |
| Width / Diameter | |
| Depth | |
| Height | |
| Weight (net) | |

NORMEN

JIS L 1096-A

Ingenieurbüro Walter

all4test

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Fabric stiffness tester

The Taber Fabric Stiffness Tester (Model 112) is a simple to use, rugged instrument based on a design described in internationally recognized test standards such as ASTM D1388. Employing the principle of cantilever bending, a rectangular specimen is supported on a smooth low-friction horizontal platform with a 41,5° (0,724 rad) or 45° (0,785 rad) adjustable bend angle indicator below the plane of the platform surface. A weighted slide is placed over the specimen and is advanced at a constant rate. As the leading edge of the specimen projects from the platform, it bends under its own mass. Once the material flexes enough to touch the bend angle indicator, the test is stopped. The length of the overhang is then measured and flexural rigidity and bending modulus can be calculated.

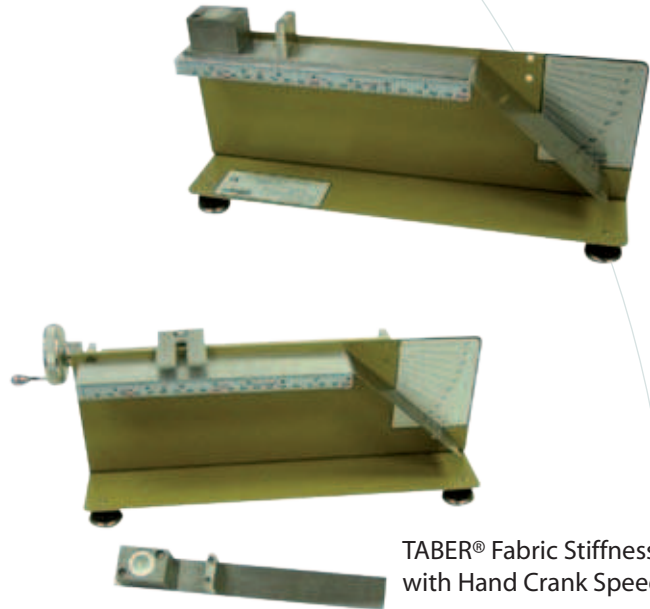
Ideal for testing most textile fabrics (e.g. woven; layered; pile; knitted; napped), this instrument has been utilized to evaluate the stiffness properties of blankets, air bag fabrics, protective clothing, geotextiles, etc. Fabrics may be untreated or treated, including those that are heavily sized, coated or resin-treated. Taber's Fabric Stiffness Tester can also be used to evaluate leather, paper, plastic films, and other flexible sheet materials. In general this instrument may not be suitable for very limp materials or those that show a marked tendency to curl or twist at a cut edge

Models

The TABER® Fabric Stiffness Tester (Model 112) is available with or without the Hand Crank Speed Control Option. This feature allows the operator to control the rate of speed that the specimen is advanced.

Both Fabric Stiffness Testers feature:

- Adjustable bend angle indicator for inclined angles of either 41,5° or 45°
- Easy to read bend angle reference scale with 5° graduations
- Overhang unit scale calibrated in both metric and English units
- Specimen slide assembly with integrated leveling bubble



TABER® Fabric Stiffness Tester with Hand Crank Speed Control

Test specifications

Test procedures for the TABER® Fabric Stiffness Tester have been established by a number of organizations. The following is a partial listing.

ASTM D1388

Standard Test Method for Stiffness of Fabrics (Option A)

ASTM D5732

Standard Test Method for Stiffness of Nonwoven Fabrics Using the Cantilever Test

BS 3356

Method for determination of bending length and flexural rigidity of fabrics

DIN 53362

Testing of plastics films and textile fabrics (excluding non-wovens), coated or not coated fabrics – Determination of stiffness in bending – Cantilever method

ISO 9073-7

Textiles -- Test methods for Nonwovens -- Part 7: Determination of bending length

JIS L-1018

Test Methods for Knitted Fabrics

JIS L 1085

Testing Methods for Nonwoven Interlining Fabrics

JIS L-1096

Testing Methods for Woven Fabrics