STANDARDS TEST FIXTURE

Syringe Holder with Interchangeable Inserts

Syringe holder with interchangeable inserts for tension and compression tests to ISO 7886-1



OVERVIEW

Holder for tension and compression tests on sterile single-use hypodermic syringes according to ISO 7886-1, Fig. E.1. Interchangeable inserts accept syringes of different sizes, so one holder covers measurements such as the force needed to push fluid through the needle and plunger pull-out forces. Also suitable for tests related to ISO 11040-4.

KEY FEATURES

- Interchangeable inserts accept syringes of different sizes
- Supports tension and compression tests in one holder
- Measures the operating force needed to push fluid through the needle
- Nickel-plated steel construction for durability and corrosion resistance
- Optional cup table, height adjustable, and additional container holder
- Standard 15.9 mm clevis coupling for direct machine mounting

TECHNICAL SPECIFICATIONS

Test type	Tension and compression
Standard	ISO 7886-1 (Fig. E.1)
Specimen	Single-use hypodermic syringes
Inserts	For 1.25, 2.25, 3, 5 and 10 ml syringes
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin
Material	Steel, nickel-plated
Temperature range	0 … +70 °C
Max. load	On request

AVAILABLE VERSIONS

Inserts 3 / 5 / 10 ml	Insert set for standard syringe sizes
Inserts 1.25 / 2.25 / 3 ml	Insert set for small syringes
Holder with 3 ml insert	Single-size holder
Holder with 10 ml insert	Single-size holder
Tensile version 3 and 5 ml	Holder with inserts for tensile tests
With cup table	Height-adjustable cup table for fluid collection

APPLICATIONS

- Disposable syringe QC
- Medical device development
- Prefillable syringe testing
- Plunger force measurement

STANDARDS ISO 7886-1, ISO 11040-4

Ordering & customization: Specify syringe volumes and brands to be tested, test direction (tension, compression or both) and the machine coupling.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-ST-160