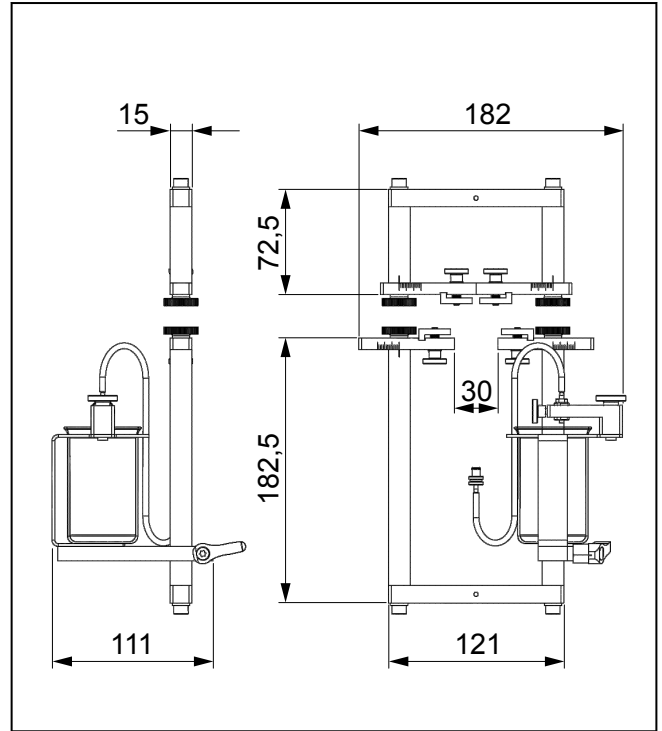


Product Information

Fixture for testing syringe plunger force to ISO 7886-1

CTA: 200437 194935



Dimensions, test fixture for plunger glide force

Applications

The test fixture is used to determine the plunger actuation force of sterile single-use syringes made from plastic and other materials for medical purposes, with fluid contents (water) to EN ISO 7886-1 Annex E (2017).

Function description

The test fixture consists of an upper and a lower clamping device to hold the syringe and a height-adjustable fluid reservoir. When testing, the plunger rod of the syringe can be loaded in both tensile and compression directions.

During the test, the fluid in the filled syringe is expelled into the reservoir via a standard needle (18G). The needle is connected to the hose via a Luer connector.

During the test, the plunger travel, the breakaway force, as well as the maximum and the average glide force are recorded and evaluated via ZwickRoell testing software. The test speed is 100 ± 5 mm/min.

Advantages and features

- The fixture includes all components required by the standard (holders, reservoir, hose with adapters).
- The clamping devices accommodate syringes with a diameter of 6 to 33 mm
- High accuracy
- ZwickRoell's testing software combined with the Traceability option fulfills the requirements according to the ZwickRoell FDA 21 CFR Part 11 whitepaper

Product Information

Fixture for testing syringe plunger force to ISO 7886-1

Technical data

Type	Test fixture for plunger glide force	
Item No.	3006390	
Test load F _{max}	400	N
Standard	ISO 7886-1	
Syringe diameter	6 ... 33	mm
Connection	Mounting stud, Ø 8 mm	
Dimensions		
Upper clamping device		
Width	121	mm
Height	80	mm
Depth	15	mm
Lower clamping device		
Width	121	mm
Height	190	mm
Depth	15	mm
Width, with reservoir	182	mm
Depth, with reservoir	111	mm
Ambient temperature	+10 ... +35	°C
Weight, approx.	0.8	kg