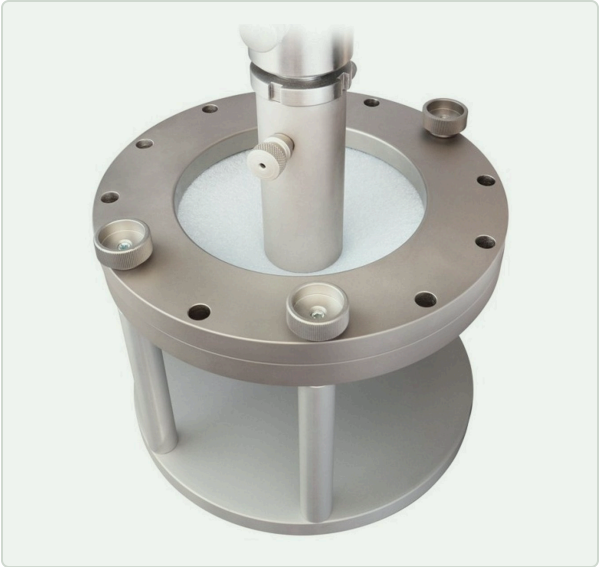
PUNCTURE FIXTURES

Geotextile Static Puncture Fixture

CBR-type static puncture fixture for geotextiles to ASTM D6241 and ISO 12236



OVERVIEW

A static puncture fixture for geotextiles and related products according to ASTM D6241 and GOST 56335, with a stainless steel plunger version that also meets DIN EN ISO 12236. The specimen is clamped in a ring holder and pushed through by a flat-ended plunger, measuring force and displacement to puncture. A sample positioning tool is supplied for consistent specimen placement.

KEY FEATURES

- Built to ASTM D6241, GOST 56335 and ISO 12236
- 50 kN capacity for strong geotextiles and geogrids
- Hardened nickel-plated or stainless steel plunger
- Sample positioning tool included for consistent placement
- Nickel-plated steel body for corrosion resistance
- Optional hydraulic clamping unit with 100 kN clamping force

TECHNICAL SPECIFICATIONS

Max. load	50 kN
Test type	Static (CBR) puncture
Plunger	Steel, hardened and nickel-plated, or stainless steel
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Body	Steel, nickel-plated
Temperature range	0 to +70 °C (others on request)
Weight	19 kg incl. plunger and positioning tool
Scope of supply	1 fixture incl. sample positioning tool

AVAILABLE VERSIONS

Steel plunger	Hardened, nickel-plated; ASTM D6241, GOST 56335
Stainless steel plunger	Adds DIN EN ISO 12236
Hydraulic clamping unit	100 kN clamping force, 9 mm clamp travel, ISO 12236

APPLICATIONS

- Geotextiles and geogrids
- Geosynthetic clay liners
- Civil and road construction
- Nonwoven quality control

STANDARDS ASTM D6241, GOST 56335, ISO 12236

Ordering & customization: Specify plunger material (steel or stainless), whether hydraulic clamping is required and the machine 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-PF-050

Geotextile Static Puncture Fixture

DIMENSIONAL DRAWINGS

FIG. 1

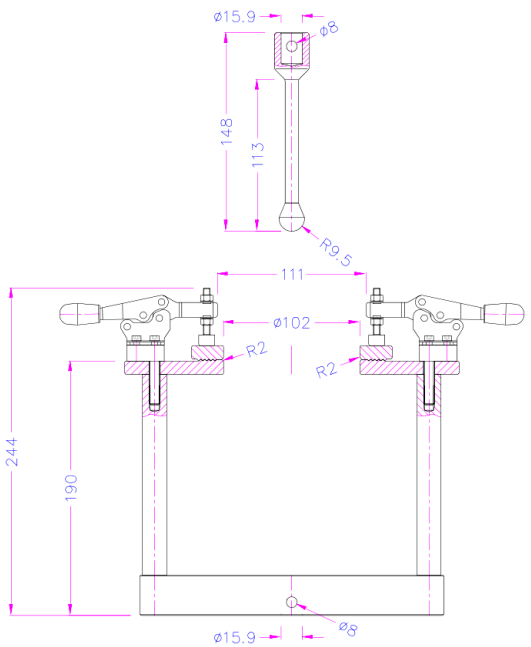


FIG. 2

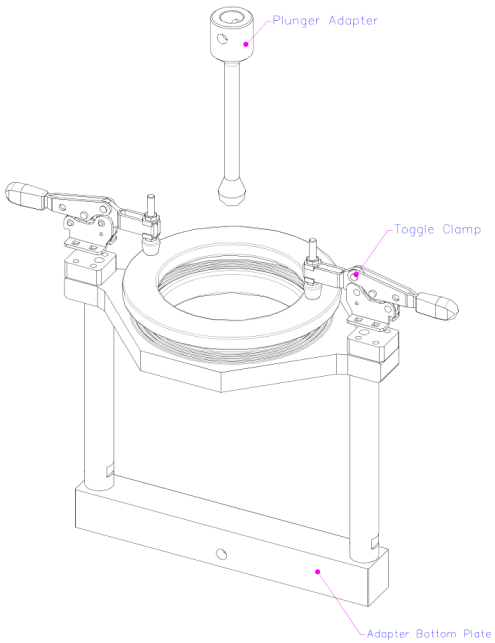


FIG. 3

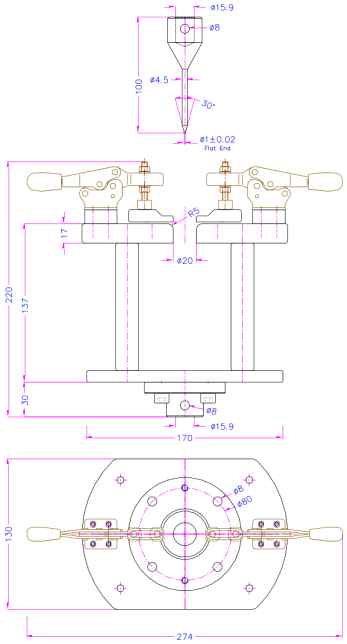
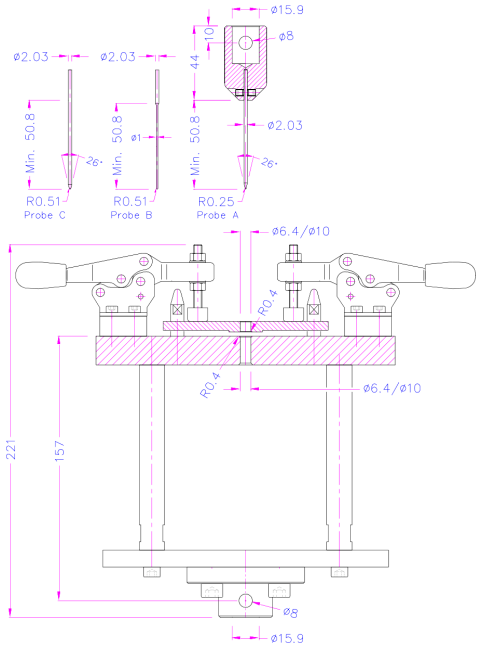


FIG. 4



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.