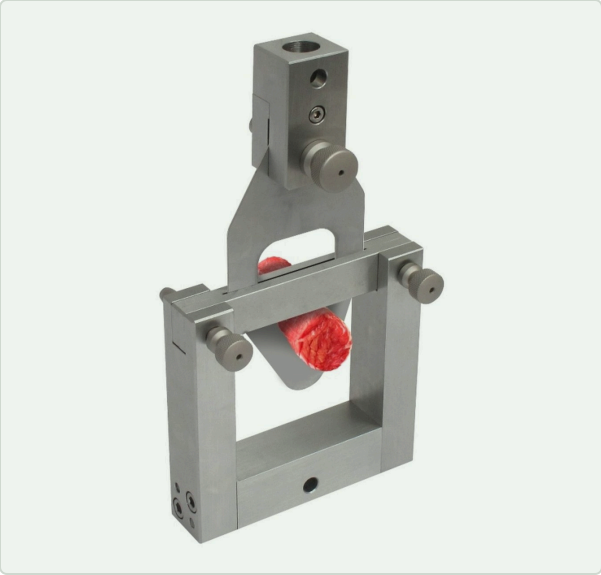
SHEAR FIXTURES

Warner-Bratzler Meat Shear Fixture

V-notch blade shear fixture for meat tenderness testing



OVERVIEW

A Warner-Bratzler shear fixture for measuring meat tenderness by cutting through a cylindrical core of meat. A 1 mm thick V-notch blade with 0.5 mm cutting radius passes through a slotted guide, and the peak force indicates tenderness. Made of stainless steel for food contact and easy cleaning.

KEY FEATURES

- Classic Warner-Bratzler V-notch blade and slotted guide geometry
- Accepts meat cores up to 25 mm diameter
- 1 mm blade with 0.5 mm cutting radius
- Stainless steel for food contact and cleaning
- Special version with specimen support and blade guides

TECHNICAL SPECIFICATIONS

Test type	Shear / cutting force
Max. load	2 kN
Max. specimen diameter	25 mm
Blade	V-notch, 1 mm thick, 0.5 mm cutting radius
Coupling	Female clevis Ø 15.9 mm or Ø 20 mm; others on request
Material	Stainless steel
Temperature range	0 … +70 °C (others on request)
Weight	2.2 kg

AVAILABLE VERSIONS

Standard version	Tension mode, slotted blade guide
Special version	Compression mode, specimen support and blade guides

APPLICATIONS

- Meat tenderness
- Poultry and fish
- Meat analogues
- Food research labs

Ordering & customization: Specify the machine coupling and whether the standard or the guided compression-mode version is required.

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-SF-130

Warner-Bratzler Meat Shear Fixture

DIMENSIONAL DRAWINGS

FIG. 1

Max. load:	2 kN
Max. specimen Ø:	25 mm Ø
V-notch blade:	1 mm thick, 0.5 mm cutting radius
Coupling:	
Material:	Stainless steel
Temperature range:	0 … +70°C. Further temperature ranges on request
Weight:	2.2 kg per fixture
Scope of supply:	1 fixture

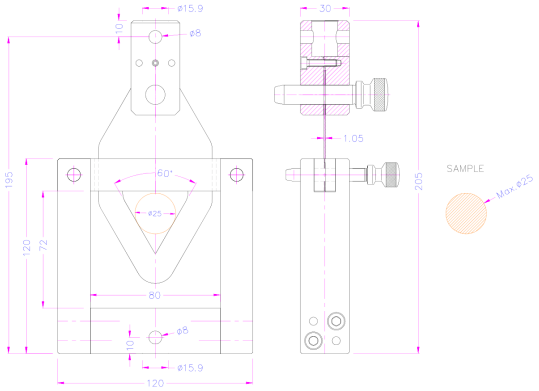


FIG. 2

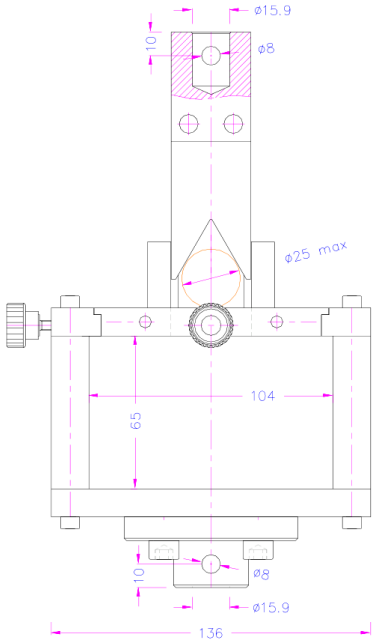
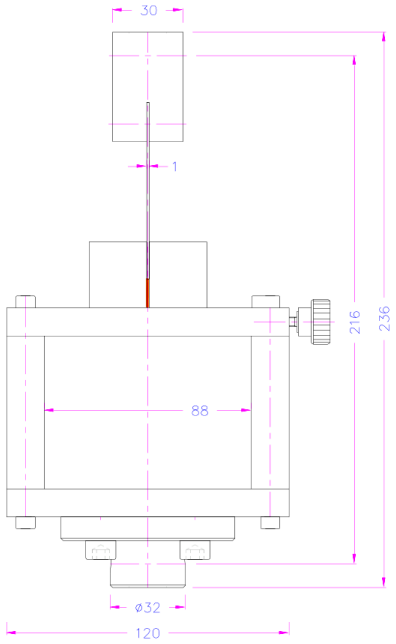


FIG. 3



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.