SHEAR FIXTURES

Reinforced Concrete Shear Fixture DIN 488

Weld shear fixtures for reinforcing steel lattice girders and welded fabric



OVERVIEW

A family of shear test fixtures for the welded joints of reinforcing steel lattice girders and welded wire fabric to DIN 488, ASTM C1452, ISO 15630-2 and the ASTM welded wire standards. The cross wire is supported while the longitudinal bar is pulled, shearing the weld. Versions cover bar diameters from 3 to 32 mm and capacities up to 250 kN.

KEY FEATURES

- Covers DIN 488, ASTM C1452 and ISO 15630-2
- Versions for ASTM A185, A497, A974 and A1064
- Bar diameters from 3 mm to 32 mm
- Capacities from 50 kN up to 250 kN
- Flange adapter or threaded rod mounting options
- Fixture body made of nickel-plated steel

TECHNICAL SPECIFICATIONS

Test type	Weld shear of reinforcing steel
Max. load	50–250 kN, by version
Bar diameter	3–32 mm, by version
Coupling	Female clevis Ø 31.8 mm (1-1/4 in), flange adapter or threaded rod; others on request
Material	Steel, nickel-plated
Temperature range	0 … +70 °C (others on request)
Weight	4.9–12.9 kg, by version
Scope of delivery	1 fixture; lower grip ordered separately

AVAILABLE VERSIONS

DIN 488 / ASTM C1452	Ø 3–16 mm; flange adapter or threaded rod; 12.9 kg
ISO 15630-2 / ASTM C1452, 100 kN	Welded fabric, Ø 3–16 mm
ISO 15630-2 / ASTM C1452, 250 kN	Welded fabric, Ø 3–16 mm
ASTM A185 / A497 / A974 / A1064	Ø 3–8 mm; 200 kN (50 kN with Ø 31.8 mm clevis); 7.5 kg
ISO 15630-2 (BS 4483)	Ø 4–12 mm; 50 kN; 4.9 kg
ISO 15630-2, Ø 4–16 mm	50 kN; Ø 31.8 mm clevis

APPLICATIONS

- Lattice girders
- Welded wire fabric
- Reinforcement mesh
- Wire gabions

STANDARDS DIN 488, ASTM C1452, ISO 15630-2, ASTM A185, ASTM A497, ASTM A974, ASTM A1064, EN 10223-8

Ordering & customization: Specify the standard, bar diameter range, required capacity and mounting (clevis, flange adapter or threaded rod); order the lower grip separately.

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-190

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DIMENSIONAL DRAWINGS

FIG. 1

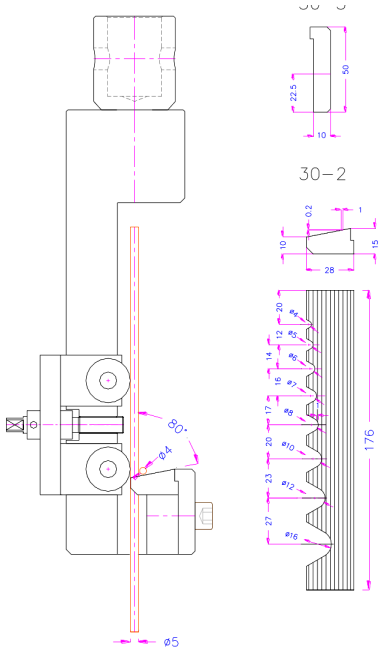


FIG. 2

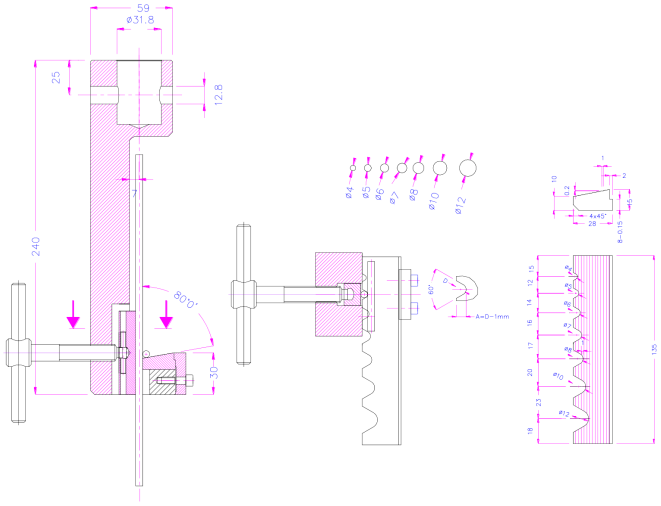


FIG. 3

Sample size:	Ø 3-16 mm Further sample sizes on request
Max. load:	
Coupling:	Further couplings on request
Body:	Steel, nickel-plated
Temperature range:	0 ... +70°C Further temperature ranges on request
Weight:	21 kg
Scope of supply:	1 fixture

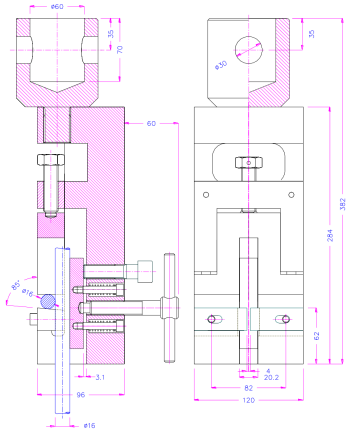
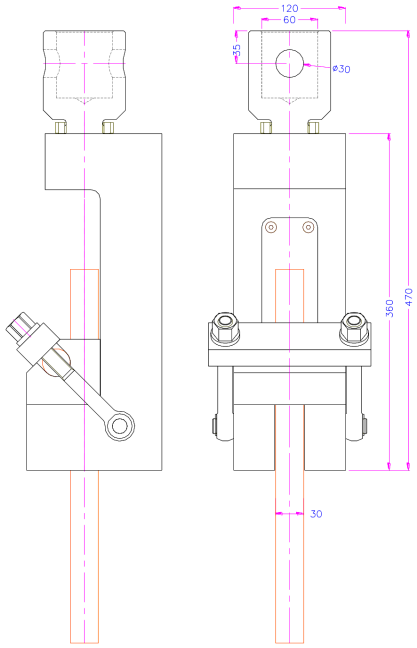


FIG. 4



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.