SHEAR TEST FIXTURES

to test steel welded wires according to ASTM A185, ASTM A497, ASTM A974, ASTM C1452, DIN 488-5, DIN EN ISO 15630-2, DIN EN 10223-8, GOST 10922-12 (Fig.4).

Additional lower grip is required for the test (see page 8). The lower grip is not included in the scope of supply and must be ordered separately.

Item no.: THS290-1-5-16


Sample size: Ø 5-16 mm
Further sample sizes on request.

Adapter: Flange adapter or threaded rod.

Body: Steel, nickel-plated

Temperature range: 0 ... +70°C.
Further temperature ranges on request.

Weight: 12.9 kg per grip without adapter

Scope of supply: 1 fixture

with threaded rod

with flange adapter
Item no.: THS290-30

According to DIN EN ISO 15630-2 - Steel for the reinforcement and prestressing of concrete - Test methods – Part 2: Welded fabric

Sample size: Ø 4-16 mm
Further sample sizes on request.

Max. load: 50 kN

Coupling: Af318. Further couplings on request.

Body: Steel, nickel-plated

Temperature range: 0 ... +70°C.
Further temperature ranges on request.

Scope of supply: 1 fixture
Item no.: THS290-20

According to **ASTM A185** - Standard specification for steel welded wire reinforcement, plain, for concrete.

**ASTM A497** - Standard specification for steel welded wire reinforcement, deformed, for concrete.

**ASTM A974** - Welded wire fabric gabions and gabion mattresses (metallic-coated or polyvinyl chloride (PVC) coated).

Sample size: Ø 3-8 mm
Further sample sizes on request.

Max. load: 50 kN

Coupling: Af318. Further couplings on request.

Body: Steel, nickel-plated

Temperature range: 0 ... +70°C.
Further temperature ranges on request.

Scope of supply: 1 fixture
Item no.: THS290-21

According to **EN ISO 15630-2 (BS 44483)** –
Steel for the reinforcement and prestressing of concrete -

**Sample size:** Ø 4-12 mm
Further sample sizes on request.

**Max. load:** 50 kN

**Coupling:** Af318. Further couplings on request.

**Body:** Steel

**Temperature range:** 0 … +70°C.
Further temperature ranges on request.

**Scope of supply:** 1 fixture
Item no.: THS290-10

According to **ASTM C1452** - Standard specification for reinforced autoclaved aerated concrete elements.


Sample size: Ø 3-16 mm  
Further sample sizes on request.

Max. load: 100 kN (with Af40) or 250 kN (with Af60)

Coupling: Af40 or Af60.  
Further couplings on request.

Body: Steel, nickel-plated  
Temperature range: 0 ... +70°C.  
Further temperature ranges on request.

Scope of supply: 1 fixture
Item no.: THS290-40

According to **DIN EN 10223-8** - Steel wire and wire products for fencing and netting - Part 8: Welded mesh gabion products.


- **Sample size:** Ø 3 mm
- **Max. load:** 20 kN
- **Coupling:** Af159. Further couplings on request.
- **Body:** Steel, nickel-plated
- **Temperature range:** 0 ... +70°C. Further temperature ranges on request.
- **Scope of supply:** 1 fixture
Item no.: THS290-41

According to **GOST 10922-12 (Fig.4)** - Welded reinforcing products and inserts, welded, lap and mechanical joints for reinforced concrete structures. General specifications.

- **Sample size:** Ø 5-30 mm
- **Max. load:** 250 kN
- **Coupling:** Af60.
  - Further couplings on request.
- **Body:** Steel, nickel-plated
- **Temperature range:** 0 … +70°C.
  - Further temperature ranges on request.
- **Scope of supply:** 1 fixture
Videos

Grip assembly

THS290-1.5-16 to DIN 488, ASTM C1452

Sample testing

THS290-1.5-16 to DIN 488, ASTM C1452

Recommendations for lower grip

For 50 kN max. load we recommend TH204 and TH243-50 wedge grips.
Grips for higher loads on request.

TH204
Datasheet

TH243-50
Datasheet