**COMPRESSION PLATENS**

Self-aligning and fixable platens.
Spherical seat – the platen adjusts to the specimen.
It is possible to fix the platen at a required angle with 4 nuts.

**THS223i:**
- For lightweight specimens (packaging material etc.)
- Aluminum, anodized

**THS223k, THS223g, THS223w, THS223z:**
- Applicable for all types of compression tests; for concrete etc.
- Steel 58 HRC, nickel-plated

**THS223b:**
- Platens with a large angular displacement of up to 15°
  - Aluminum, anodized (-Al) or steel 58 HRC, nickel-plated (-St)

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**Ordering information**

**Scope of delivery:** 1 platen

- **THS223i for adapters up to 8 -10 mm Ø**
  - **Item no.** THS223i-56
  - **Diameter** 56 mm
  - **Weight** 60 g
  - **Radius** 50

- **THS223k for adapters 12 - 25 mm Ø**
  - **Item no.** THS223k-56
  - **Diameter** 56 mm
  - **Weight** 1.27 kg
  - **Radius** 100
  - **Item no.** THS223k-96
  - **Diameter** 96 mm
  - **Weight** 1.4 kg
  - **Radius** 100
  - **Item no.** THS223k-116
  - **Diameter** 116 mm
  - **Weight** 1.7 kg
  - **Radius** 100
  - **Item no.** THS223k-156
  - **Diameter** 156 mm
  - **Weight** 2.7 kg
  - **Radius** 100
  - **Item no.** THS223k-196
  - **Diameter** 196 mm
  - **Weight** 3.95 kg
  - **Radius** 100

- **THS223g for adapters 30 - 50 mm Ø**
  - **Item no.** THS223g-56
  - **Diameter** 56 mm
  - **Weight** 5.3 kg
  - **Radius** 200
  - **Item no.** THS223g-96
  - **Diameter** 96 mm
  - **Weight** 6.1 kg
  - **Radius** 200
  - **Item no.** THS223g-116
  - **Diameter** 116 mm
  - **Weight** 6.5 kg
  - **Radius** 200
  - **Item no.** THS223g-156
  - **Diameter** 156 mm
  - **Weight** 7.1 kg
  - **Radius** 200
  - **Item no.** THS223g-196
  - **Diameter** 196 mm
  - **Weight** 7.4 kg
  - **Radius** 200

- **THS223w for adapters 50 - 60 mm Ø**
  - **Item no.** THS223w-156
  - **Diameter** 156 mm
  - **Weight** 7 kg
  - **Radius** 300
  - **Item no.** THS223w-196
  - **Diameter** 196 mm
  - **Weight** 9.8 kg
  - **Radius** 300

- **THS223z for adapters larger than 60 mm Ø**
  - **Item no.** THS223z
  - On request

- **THS223b: standard adapter Af15.9 mm**

**Further adapters on request**

- **Item no.** THS223b-100-Al
  - **Diameter** 100 mm
  - **Weight** 0.9 kg
  - **Angle** +15°

- **Item no.** THS223b-150-Al
  - **Diameter** 150 mm
  - **Weight** 1.5 kg
  - **Angle** +15°

- **Item no.** THS223b-200-Al
  - **Diameter** 200 mm
  - **Weight** 2.1 kg
  - **Angle** +15°

- **Item no.** THS223b-200-St
  - **Diameter** 200 mm
  - **Weight** 5.2 kg
  - **Angle** +15°

**Adapters to mount THS223 platen on TH36 platen**

- **Item no.** THS223k-Af159-TH36
  - Adapter to mount THS223k on TH36, angle +1.5°, coupling Af15.9 mm
- **Item no.** THS223g-Af159-TH36
  - Adapter to mount THS223g on TH36, angle +1.5°, coupling Af15.9 mm
- **Item no.** THS223b-Af159-TH36
  - Adapter to mount THS223b on TH36, angle +15°, coupling Af15.9 mm

**Further dimensions and modifications on request**

**Types i k g w Z b X:**

- i = very small
- k = small
- g = large
- w = very large
- Z = very large, pitch circle diameter
- B = large angle
- X = exotic solution

- i = adapter 8, spherical radius R50
- k = adapter 14-20, spherical radius R100
- g = adapter 30..bis 50, spherical radius R200
- w = adapter 60-70, spherical radius R300,
  - inner Ø of clamping ring 116 mm
- Z = adapter 80, spherical radius R300,
  - inner Ø of clamping ring 125 mm
- B = +15° swivelling, spherical radius b30
  - (30 mm Ø for Af159 and Af20; -60 - 60 mm Ø for Af30)
- X = with pitch circle, external spring (without Af or Am adapter)
- S = with internal thread, external spring, exotic solution

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All specifications subject to change without prior notice
Self-aligning platen THS223 can be combined with a rigid platen TH23 (Datenblatt TH23).
Ordering information for the combination Rigid + Self-aligning platen: 0.5 pair of TH23 + 1 platen THS223.

Combination for square platen: 1x rigid and 1x self-aligning platen.
For example on the picture above: 1 pair of square TH36-250 platens combined with an intermediate platen THS223k-Af159-TH36 with self-aligning adapter. The intermediate platen is mounted on the aluminium platen.
Examples for customized modifications:

**THS223b-220-M20**
Steel spherically seated compression platen 600 kN

**THS223s-136**

Round platen TH36L-D200-L6x20-AL + Self-aligning adapter THS223k-Af159-TH36