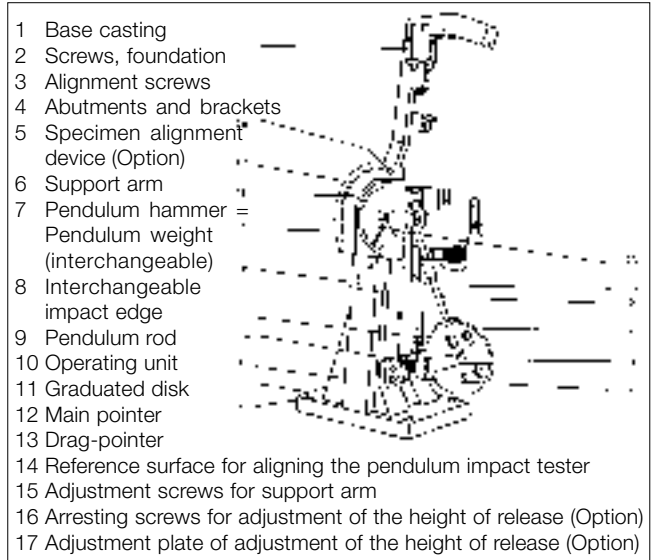


Product Information

Pendulum impact tester PSW 750



Range of application

Pendulum impact testers PSW 750 are designed:

- For determination of the impact energy to Charpy up to 750 Joule to EN 10045 or ASTM E 23
- For impact tensile tests

Features/advantages

- Stiff two-column frame with low-friction pendulum bearing
- Avoidance of interfering vibrations by stiff construction and hammer construction without supplementary masses
- Screw-down brackets and abutments for the specimen, integrated into the frame
- Interchangeable hammer with interchangeable fins (To EN or ASTM)
- Selectable impact energy: 750, 600, 450, 300 J
- Steplessly adjustable pendulum height adjustment
- Easy exchange of fin, brackets and abutments
- Analogue display for reading off the used impact energy and the angle
- Easy to use safety device corresponding to accident prevention regulations to VBG 5
- Especially suited for fast test runs (< 5 sec) and tests to ASTM E 23 on cold specimen (- 40 °C)

The basic device includes:

- Analogue round display inclusive of drag-pointer and scales for immediate display of the used impact energy in Joule and graduation $\pm 160^\circ$ for official checks of the pendulum impact tester.
- Mounting for supports and abutments for tests to EN and ASTM
- Gauge for the symmetrical adjustment of the abutments to the fin of the pendulum hammer
- Electromagnetic release of the pendulum hammer
- Electromagnetic clutch for braking the pendulum and lifting it to the initial position
- Heavy duty dowel for foundation anchoring (Not necessary if ordering the steel reinforcement)
- 50 kg non-contracting grout mortar

Product Information

Pendulum impact tester PSW 750

| Technical data of the basic device | |
|--|-----------------------------|
| Impact energy | up to 750 Joule |
| Impact velocity | 5.42 m/s |
| Angle of deflection | 161,45° |
| Pendulum length | 770 mm |
| Electric supply | 3 x 400 V, 50/60 Hz, 0.6 kW |
| Dimensions (without protection device) W x D x H | 2500 x 920 x 2195 mm |
| Weight approx. | 1750 kg |

Basic models

| Description | Order item |
|---|-----------------|
| Pendulum impact tester PSW 750 A with analogue display | RA307201 |
| Pendulum impact tester PSW 750 Z with Zwick electronics and digital / analogue displays | RA307205 |
| Pendulum impact tester PSW 750 IWI with analogue display, equipped for instrumented tests. A PC from the Zwick program and a standard or master test program <i>testXpert</i> ® are necessary for use with the device. | RA307204 |

Required basic units

| Description | Order item |
|--|-------------------|
| Pendulum hammer (required once) | |
| 300 Joule, hammer mass approx. 20 kg | RA307132 |
| 450 Joule, hammer mass approx. 30 kg | RA307213 |
| 600 Joule, hammer mass approx. 40 kg | RA307212 |
| 750 Joule, hammer mass approx. 50 kg | RA307211 |
| Protection device according to VGB 5 including electro-magnetic door locking system and automatic release of pendulum when closing the door. | RA307153 |
| Dimensions (w x d x h): 2510 x 925 x 2239 mm, weight approx. 150 kg | |
| Steel reinforcement for foundation | RA307154 |
| <i>testXpert</i> ® Standard or Master test program for instrumented or non-instrumented tests, due to the application resp. the requirements | on request |

Also available:

- Supplementary units for tests to Charpy: Interchangeable fins (also instrumented), supports and abutments, lateral specimen stop, pendulum height adjustment
- Equipment for impact tensile tests for pendulum hammer 300 Joule
- Reference specimen
- Refrigerating device TV 742, optional heating device, ...