

Accessory for Controlled Test Chamber (CTC)



New solids clamps for measurements on (semi)-solids

For the controlled test chamber (CTC) a new solids clamping tool according to DIN/ISO 6721-1 has been designed. It consists of an upper and a lower holder. Each is equipped with two moving jaws, which guarantee an automatic centring of the sample relative to the rheometers axis.

The automatic clamping force adaptation for the sample as well as a very simple semi-automatic gap adjustment for a wide range of sample thicknesses with just one fixture allow to measure over a wide range of temperatures in one go without ever losing the grip on the sample.

The jaws are easily removable for cleaning. Also jaws with various profiles for different sample types (soft, medium, hard) are available.

The sample can be 5.0 – 12.7 mm wide, 0.15 – 4.0 mm thick and have a maximum length of 68 mm.

The bottom clamp can be adjusted in height. Samples of different lengths can all be fixed with their middle part being close to the centre of the CTC. Thus all samples of different lengths are exposed to the same extremely low temperature gradient. Using a flexible temperature sensor the temperature is measured very close to the sample.

Key-words

- Thermo Scientific HAAKE MARS
- Controlled Test Chamber
- Solid clamps
- DIN / ISO 6721-1

Order-Information:

222-1734 Solids clamp consisting of an upper and a lower holder, incl. temperature sensor, set of jaws for medium samples (4 pcs.), spacers and screw drivers.

Optional accessories:

222-1781 Jaws for soft samples (4 pcs.)

222-1782 Jaws for medium samples (4 pcs.)

222-1783 Jaws for hard samples (4 pcs.)



Fig. 1: Solids clamps set (left) and some details (right)

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