

Product Information

Type 8322 Pincer Grips, Fmax 5 kN / 10 kN



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CTA: 39789 32553

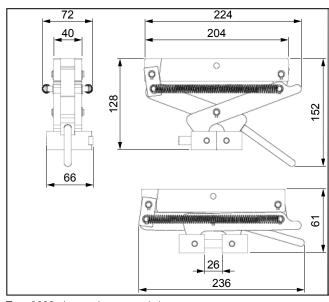
- Specimen material: elastomers, soft plastics
- Specimen shape: flat specimens
- Type of loading: tensile

Function description

The pincer grip is a double actuator grip. The pincer grip is opened and closed via a clamping lever.

The prestressed spring holds the specimen grip open for specimen insertion. If the specimen grip is closed, the prestressed spring generates the required gripping force.

The gripping force is increased proportionally by the pincer principle as the tensile force increases. This



Type 8322 pincer grips, general view

ensures automatic retightening for specimens prone to shrinkage.

The grips are supplied with permanently fitted jaws.

Advantages and features

- Secure specimen gripping through gripping force increasing proportionally to tensile force
- The lateral mobility of the pincer grips allows specimens always to be loaded centrically to the test axis.
- Ergonomic, open design for fast, easy specimen insertion and clamping
- The grips are easy to operate in a temperature chamber and reach the test temperature quickly thanks to their very low mass.



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Technical data

| Item No. | 069915 | 069914 | 314615 | 314950 | |
|------------------------------------|---|---|---|---|--------|
| Type | 8322 | 8322 | 8322 | 8322 | |
| Operating principle/identification | Pincer action, auto. Retight- ening | Pincer action, auto. Retight- ening | Pincer action, auto. Retight- ening | Pincer action, auto. Retight- ening | |
| Test load F _{max} | 5 | 5 | 10 | 10 | kN |
| Dimensions | | | | | |
| Height | 128 | 128 | 128 | 128 | mm |
| Height (when open) | 88 | 88 | 88 | 88 | mm |
| Width | 224 | 224 | 224 | 224 | mm |
| Width (when open) | 236 | 236 | 236 | 236 | |
| Depth | 66 | 66 | 66 | 66 | mm |
| Opening width, max. | 26 | 26 | 26 | 26 | mm |
| Gripping of the specimen | The specimen must be gripped with at least 3/4 of the jaw height. | | | | |
| Weight (with jaws), approx. | 3.6 | 3.6 | 3.6 | 3.6 | kg |
| Connection, stud | Ø 20 | Ø 20 | Ø 20 | Ø 20 | mm |
| Ambient temperature | -40 +250 | -40 +250 | -40 +250 | -40 +250 | °C |
| Scope of delivery | 2 | 1 | 2 | 1 | pieces |
| Jaws supplied | | | | | |
| Surface | Steel, St ¹⁾ 2 mm | Steel, St ¹⁾ 2 mm | Steel, St ¹⁾ 2 mm | Steel, St ¹⁾ 2 mm | |
| Gripping area (H x W) | 26 x 60 | 26 x 60 | 26 x 60 | 26 x 60 | mm |
| Hardness | 700 HV | 700 HV | 700 HV | 700 HV | |

¹⁾ St= saw tooth