



The plastic rod extensometer type Glötzl GKSE 16 is a further development of conventional rod extensometers.

- Design:** The plastic rod extensometer consists essentially of:
- A measuring head with an adjustable measuring stop
 - Measuring rod consisting of a glass fibre rod with plastic sheathing, a protective PVC tube
 - Anchor point made of ribbed Torsteel



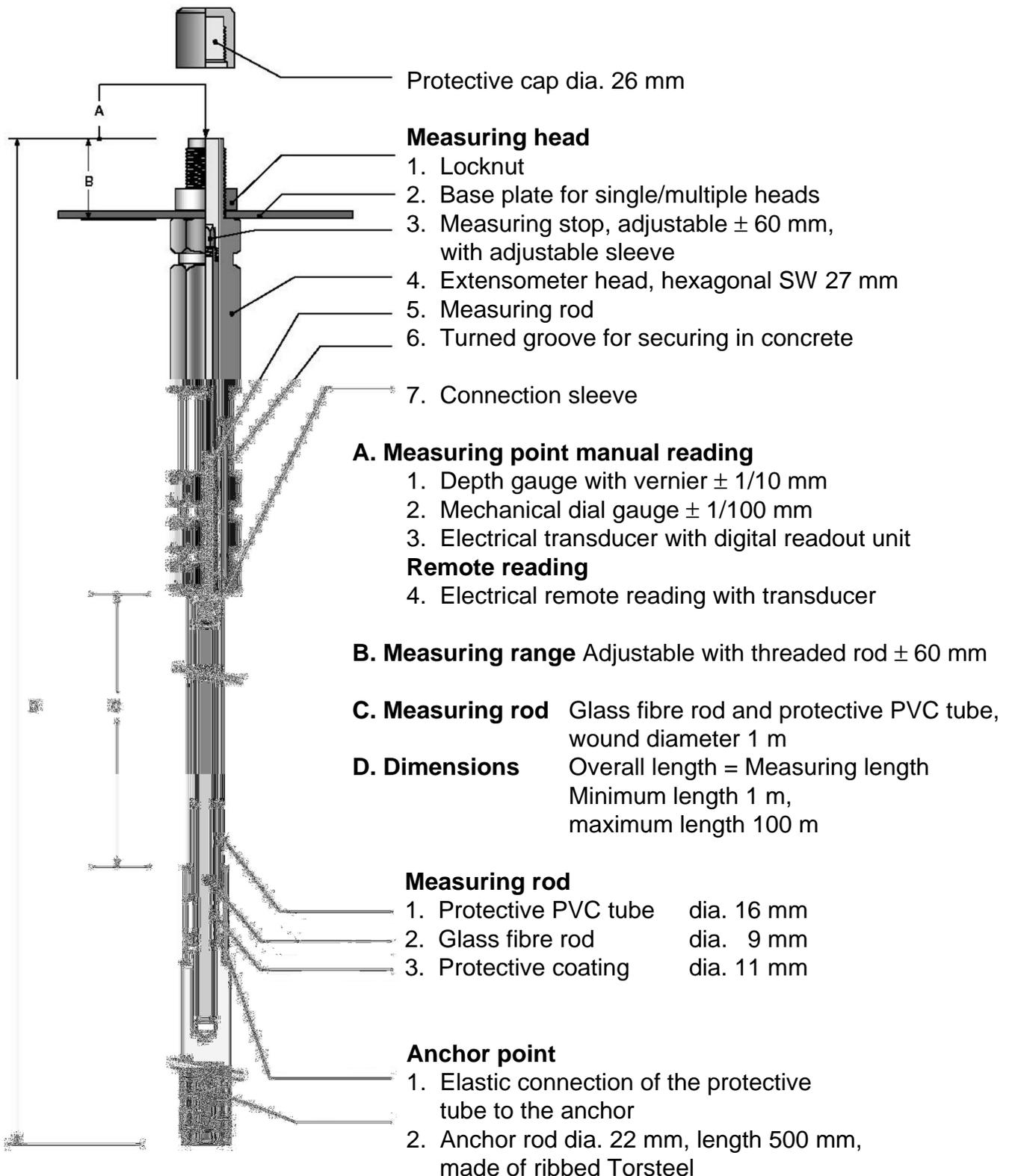
Fig. 1 Single-point extensometer GKSE 16

Advantages:

- Delivered in preassembled form (see Fig. 2)
- No on-site assembly work on the extensometer itself
- Low installation costs
- No transportation problems
- High measuring accuracy
- Measuring head can be sunk in the borehole
- Lengthening and shortening possible
- Low weight



Fig. 2 Extensometer in packed condition, ready for installation, rolled up in a coil of approximately 1.2 m diameter





Multiple-point extensometers are formed by fixing several single-point extensometers to a base plate with a locknut. For the most part the measuring heads are sunk in the borehole; thus damage in the course of construction work is largely ruled out.

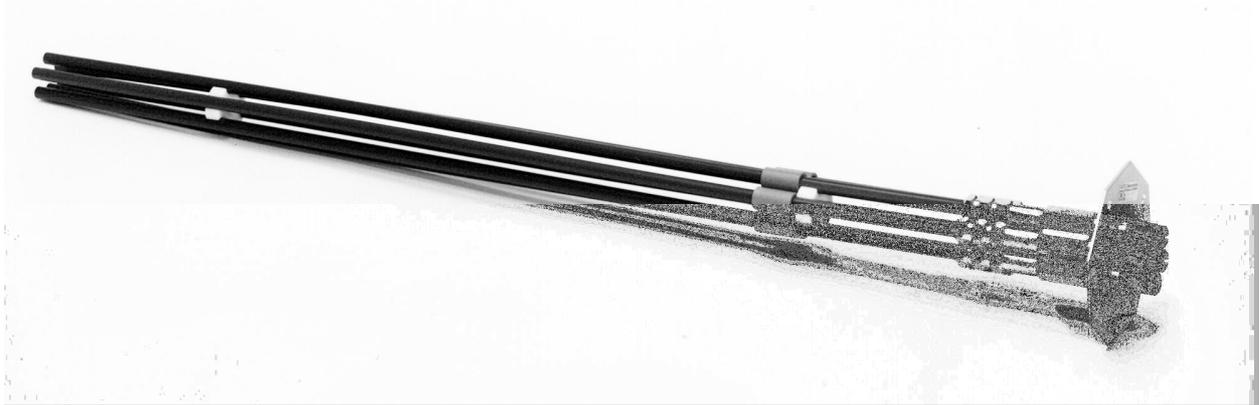


Fig. 3 6-point extensometer with base plate and plastic bracket. Transducers are screwed directly on the measuring head for remote reading.

Base plates designed specially for sinking in the borehole are available for installing the extensometers in boreholes. It is thus possible to sink single-point and multiple-point heads fully in the borehole. Damage during construction work, e. g. during blasting, is ruled out.

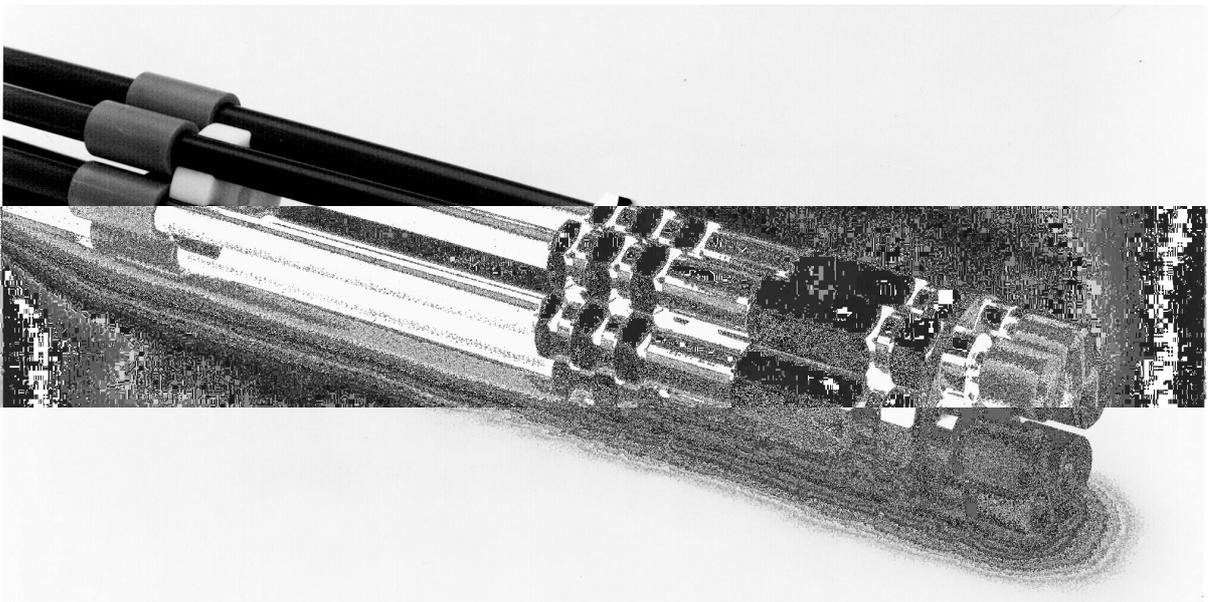


Fig. 4 6-point extensometer type GKSE 6/16 B, consisting of single-point extensometers with base plate for installation in boreholes

**Sales Information**

- 2.4.3.1 Extensometer rod $d = 16$ mm,
consisting of protective tube and glass fibre core
- 2.4.3.2 Extensometer head to 2.4.3.1 with measuring stop
(140 mm) and anchor point $l = 0.5$ m
- 2.4.3.3 Extensometer rod $d = 12$ mm,
consisting of protective tube and glass fibre core
- 2.4.3.4 Extensometer head to 2.4.3.3 with measuring stop
(140 mm) and anchor point $l = 0.5$ m
- Base plate for
- 2.4.3.5.1 1 - 3 points extensometer
- 2.4.3.5.2 dito for 4 - 6 points extensometer
- 2.4.3.5.3 dito for 7 - 9 points extensometer
- 2.4.3.6 Measuring set consisting of mechanical gauge
resolution $1/100$ mm, measuring range ± 15 mm,
calibration device, adjustment tool, transport case