

# GLÖTZL Baumeßtechnik

## ELECTRIC STRESS TRANSDUCER

### Front Membran Cell

**Type: EESK . .**

**Art. No.: 68.40. .**

The electric stress transducer is constructed for measurement of stresses and liquid pressures up to max. 600 bars. The models are designed for **bulkhead** assembly, e.g. applications at tunnel drilling machines, in container construction at bulkhead plates and for pressure recording in tubes during material transport.

In a pressure pad which is connected to an electric transducer, a hydraulic fluid is existing in a closed system. When loading the pressure pad, the corresponding hydraulic pressure is transferred to the diaphragm of the electric transducer and transformed into a stress proportional to the load.

#### EESK 6,2/12

Pressure pad size Ø 62 mm



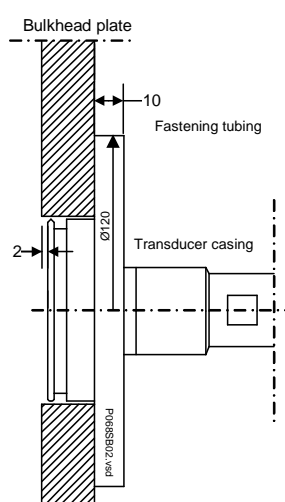
#### Types

<b>EESK 6,2/12</b>	Pressure pad Ø 62 mm, flange Ø 120 mm
<b>EESK 6,2/6,2 VE</b>	Pressure pad Ø 62mm
<b>EESK 8,6/14/6,5 VE/R</b> or /RC	Pressure pad Ø 86 mm, flange Ø 140 mm, installation depth 65 mm
<b>EESK 8,6/14/4,5 VE/S</b>	Pressure pad Ø 86 mm, flange Ø 140 mm, installation depth 45 mm
<b>EESK 5/9 V</b>	Pressure pad Ø 49.9 mm, flange Ø 90 mm

#### Available load ranges

1 / 2 / 5 / 10 / 20 / 50 / 100 / 200 / 400 and 600 bars

#### Assembly example



Technical data	Standard	4 – 20 mA
<b>Supply voltage</b>	1 mA (10V)	10 – 30 V
<b>Output signal</b>	0 – 250 mV	4 – 20 mA

#### Overload security:

1 up to 200 bar	50 % f.s.
400 and 600 bars	20 % f.s.

**Linearity and hysteresis:** < ± 0.5 % f.s.

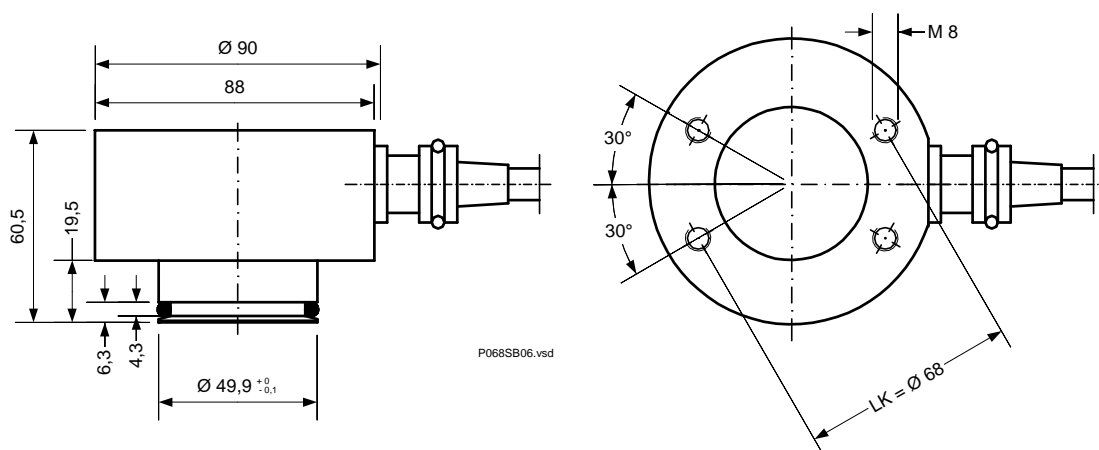
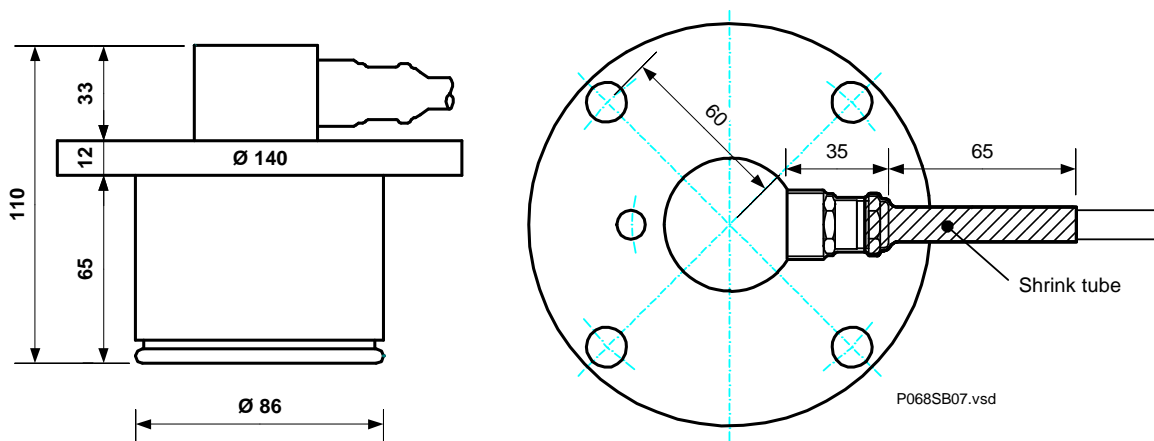
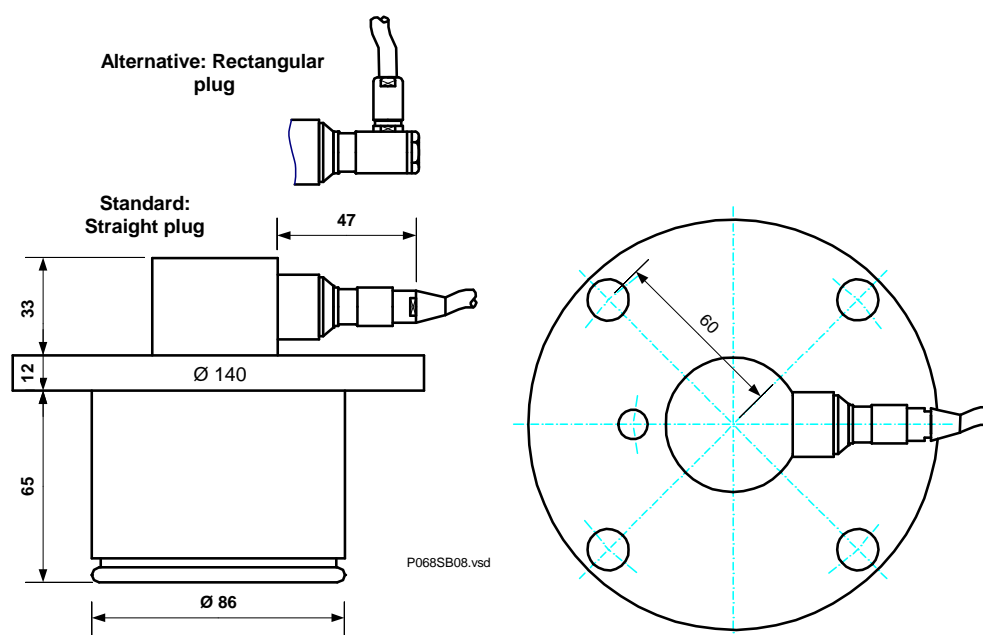
Special models on client's request

#### The following instruments are available for recording of the transducers:

- Battery-operated readout unit
- Intermediate amplifier for remote transfer
- Manually operated change-over manifolds
- Automatic measuring and recording devices with data carrier resp. memory

Further models on request

The special measuring cable with screen is sealed at the transducer for delivery in required length, max. 300 m (without amplifying unit).

**Type EESK 5/9 V Pressure pad size Ø 49,9 mm****Type EESK 8,6/14/6,5 VE/R Pressure pad size Ø 86 mm****Type EESK 8,6/14/6,5 VE/RC Pressure pad size Ø 86 mm**

# Stress Transducer for Pipe Pressure Measurement Type EESK 5/9 V

Pressure pad size Ø 49.9 mm



Type EESK 5/9 V



## Type EESK 6,2/6,2 VE

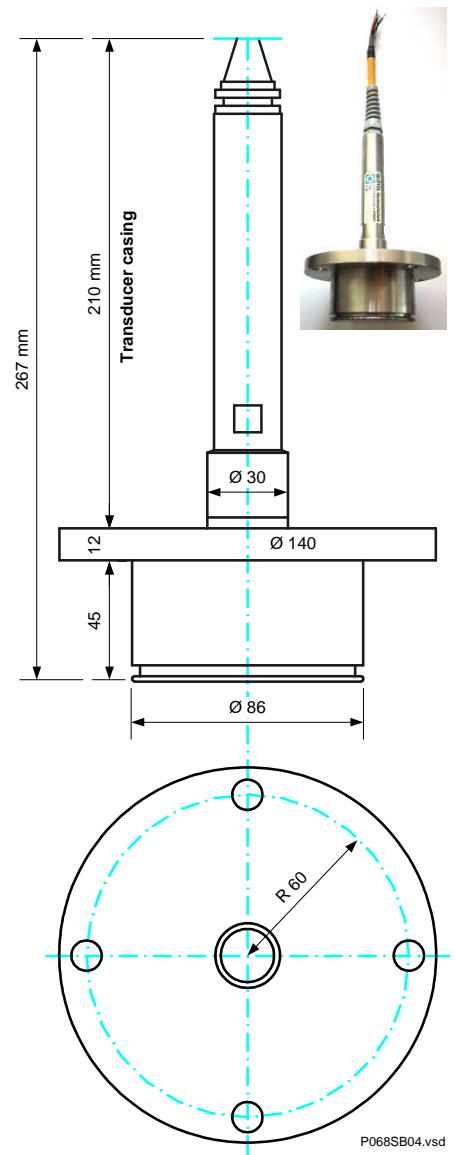
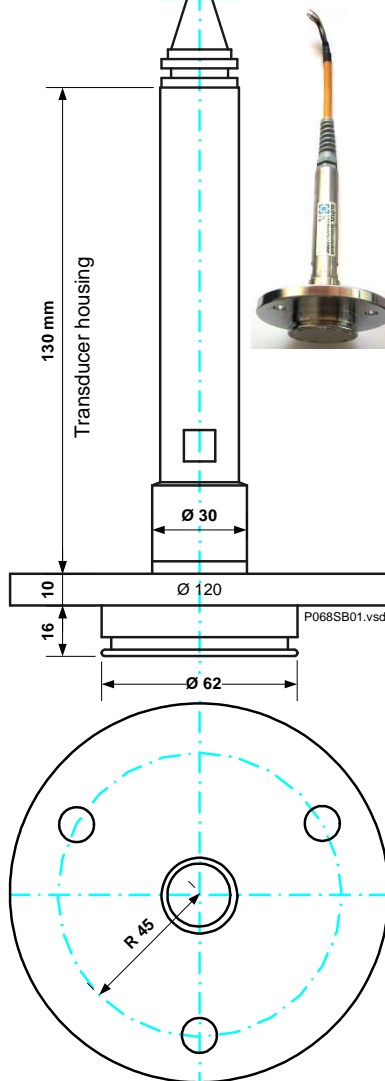
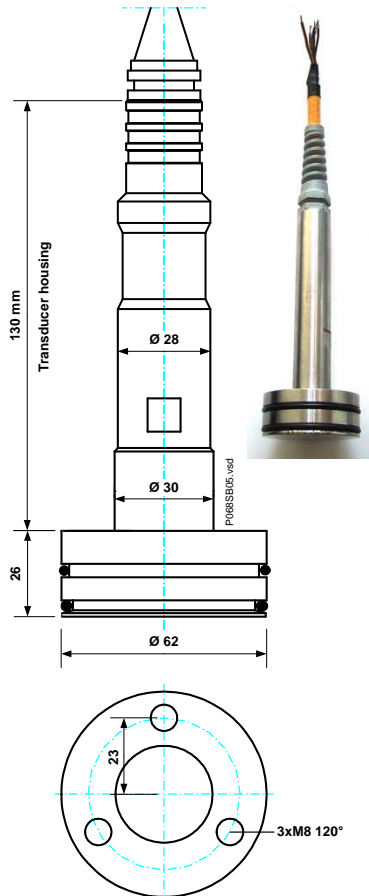
Pressure pad size Ø 62 mm

## Type EESK 6,2/12

Pressure pad size Ø 62 mm

## Type EESK 8,6/14/4,5 VE/S

Pressure pad size Ø 86 mm



We can deliver specially modified or adapted models after presentation of an installation sketch.