

SSKE 40

Heavy stationary convergence equipment



Art.-No. 60.70



The heavy stationary convergence measuring equipment consists of solid steel tubes shiftable into each other. The movement of these parts is recorded by displacement transducers and registered as electrical signal. All movable parts are protected by O-ring seals against penetration of fluids and pressure-tight constructed dependent on requirement. The anchoring is done optionally by anchors solidified in the rock or dowelled anchor plates. The measuring equipment is protected against preloading caused by movements of the rock by ball joints between anchor and measuring instrument. By the threaded rod at one side of the instrument the basic length and also the basic alignment of the displacement transducer can be adjusted. The stability of the equipment is ensuring the functional security also in case of penetration of the centrifugal set and at static pressure of the backfilling material. The equipment is delivered with pressure-tight housing and ready-for-use length. The shown mounting plates can be adjusted on local conditions by example with stud bolts for bedrock.

Technical data	
Measuring lengths:	2/2.5/3/3.5/4/4.5/5/5.5 und 6 m
Adjusting range:	± 0.25 m
Material:	Stainless steel
Operating temperature:	
Standard:	-40 to +70 °C
Extended:	-40 to +105 °C
Measuring ranges for displacement transducers GWLO:	250 mm optional 2 displacement transducers in one housing
Protection type:	IP 68 optional to 60 bar

Operating conditions	
Humidity/ Dewpoint:	90 % rel. humidity, no dew
Shock test:	100 g (single shock as per IEC norm 68-2-27)
Jarring test:	15 g/ 100-2000 Hz as per IEC norm 68-2-6
Operating voltage:	5 V ± 5 %
Resistance:	± 10 %