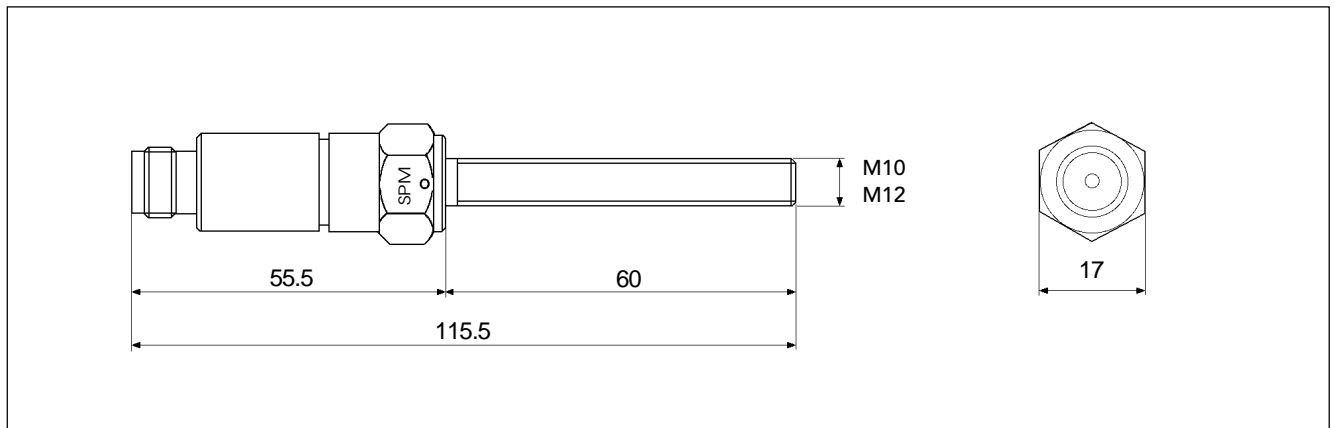


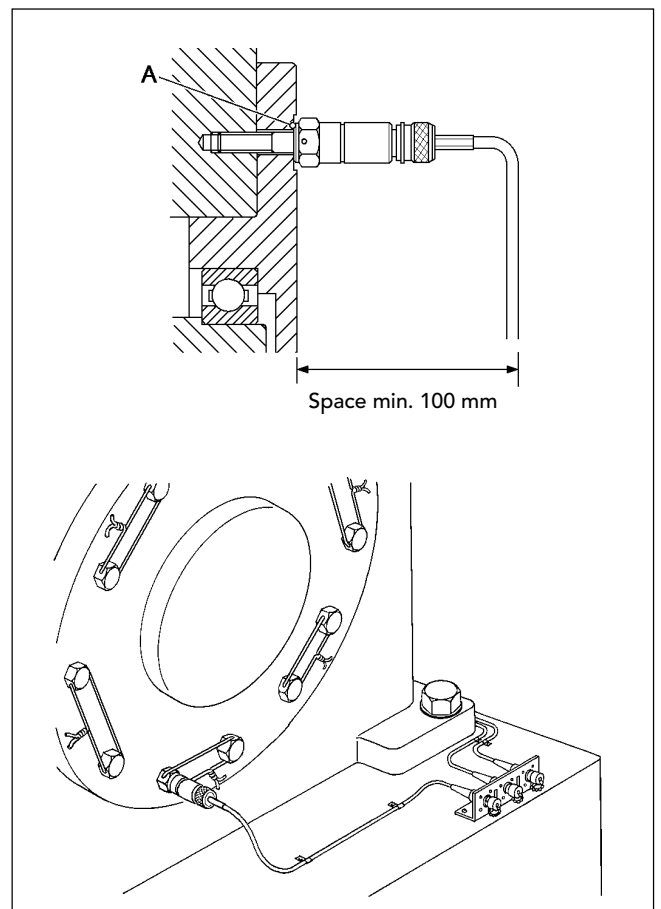
Shock Pulse Transducers in Bolt Design



A shock pulse transducer in bolt design is intended to replace one of the holding bolts of the bearing housing. It can be used in case there is an uninterrupted signal path between the bearing and the transducer's seat surface (A). This means that the seat surface (A) of the transducer is placed directly on the bearing housing. Shock pulses from the bearing are transmitted via that surface, not via the threads.

The transducer is mounted against a flat surface, milled and unpainted, within the load zone of the bearing. Washers must not be used. The transducer is pierced for a locking wire, hole diameter 1.5 mm.

Via a coaxial cable with TNC connector, the transducer is connected to a bearing damage detector or a measuring terminal for a portable shock pulse meter. In moist environments, a sealing TNC connector SPM 13008 must be used. An angle connector SPM 93077 is used in narrow spaces (min. space requirement 85 mm). Max. cable length is 4 m. The transducer is torqued with a torque wrench and a long 17 mm socket (SPM 81086).



Part numbers

41225 Transducer in bolt design, M10
41435 Transducer in bolt design, M12

Technical data

Measuring range	Max. 100 dBsv
Housing, base	Stainless acid proof steel, Sandvik Grade:1802, EN:1.4523
Design	Sealed
Connector tightness	IP65 with TNC connector IP67 with conn. SPM13008
Temperature range	-30° C to +150° C
External overpressure	Max. 1 MPa (10 bar)
Hole for locking wire	1.5 mm dia.
Connector	TNC jack
Torque:	Max. 20 Nm for M10, 30 Nm for M12

Mounting tools

81027	Holder for counterbore
81057	Counterbore, diameter 20 mm
81033	Pilot 8.5 mm (M10)
81035	Pilot 10.2 mm (M12)

