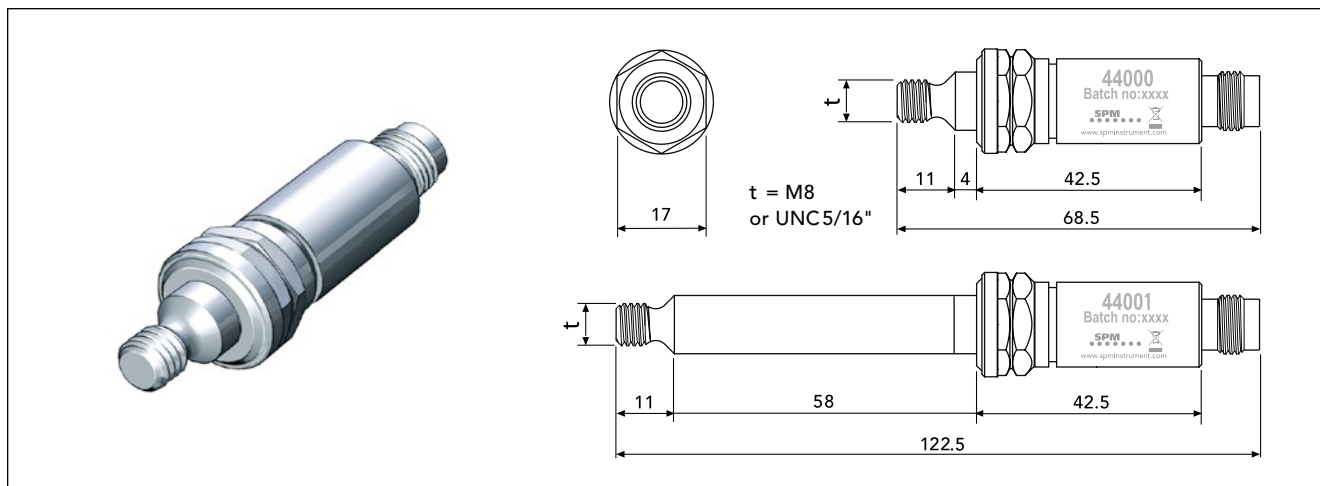


Shock Pulse Transducers Series 44000

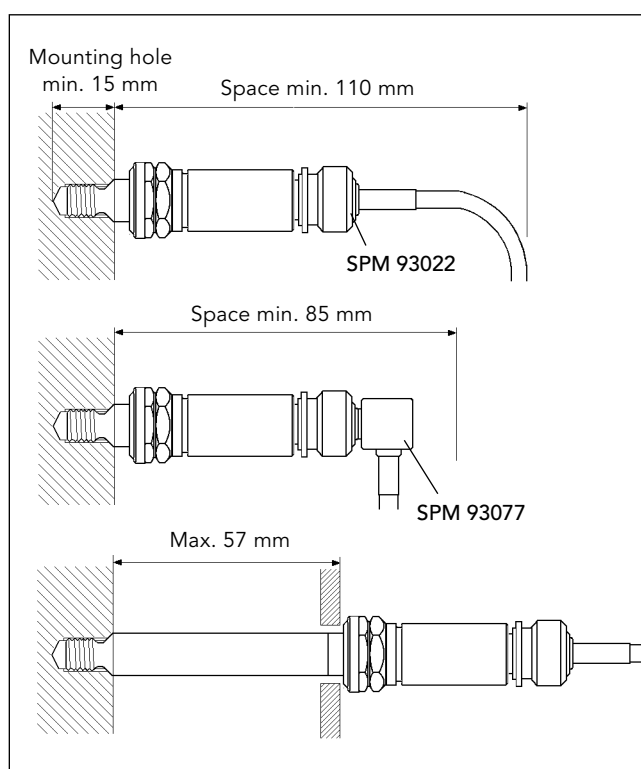


The shock pulse transducers series 44000 are used for bearing monitoring with the portable instruments Leonova Diamond / Emerald and in permanent SPM installations with the online system Intellinova Compact. The transducers are installed in countersunk mounting holes on the bearing housings.

A shock pulse transducer converts the shock pulses emitted by the bearing into an electric signals. A coaxial cable connects the transducer with the measuring unit. Max. cable length is 100 m.

Transducer housing and base are made of stainless, acid proof steel, suitable for aggressive environments. Standard thread size is M8, with UNC 5/16" as an alternative. The extended transducer can be used to reach bearing housings beneath protective covers.

The transducer is connected with a TNC plug (93022). A TNC angle plug (93077) can be used in narrow spaces. To prevent cable corrosion in moist environments, the cable must be connected with a sealed TNC plug.



Ordering Numbers

- 44000 Shock pulse transducer, M8 x1.25
- 44100 Shock pulse transducer, UNC 5/16-18
- 44001 Shock pulse transducer, M8 x1.25, extended
- 44101 Shock pulse transducer, UNC 5/16-18, extended

Technical Data

Measuring range	max. 100 dBsv
Housing, base	stainless acid proof steel, Sandvik Grade:1802, EN:1.4523
Design	sealed
Connector type	TNC jack
Connector tightness	IP65, IP67 with sealed TNC connector (IP67 or higher)
Cable length	max. 100 m
Temperature range	-30° C to +150° C
External overpressure	max. 1 MPa (10 bar)
Mounting torque	15 Nm, max. 20 Nm
Weight	61 g

Mounting Tools

- 82053 Countersink with fixed pilot for M8
- 81027 Holder for countersink
- 81028 Countersink, angle 90°, 12 mm dia.
- 81031 Pilot for M8
- 81032 Pilot for UNC 5/16"

To drill the mounting hole, use drill bits 6.9 mm for M8, 6.6 mm for UNC 5/16".

Torque and unscrew the transducer with a torque wrench and a long 17 mm socket (SPM 81086).

