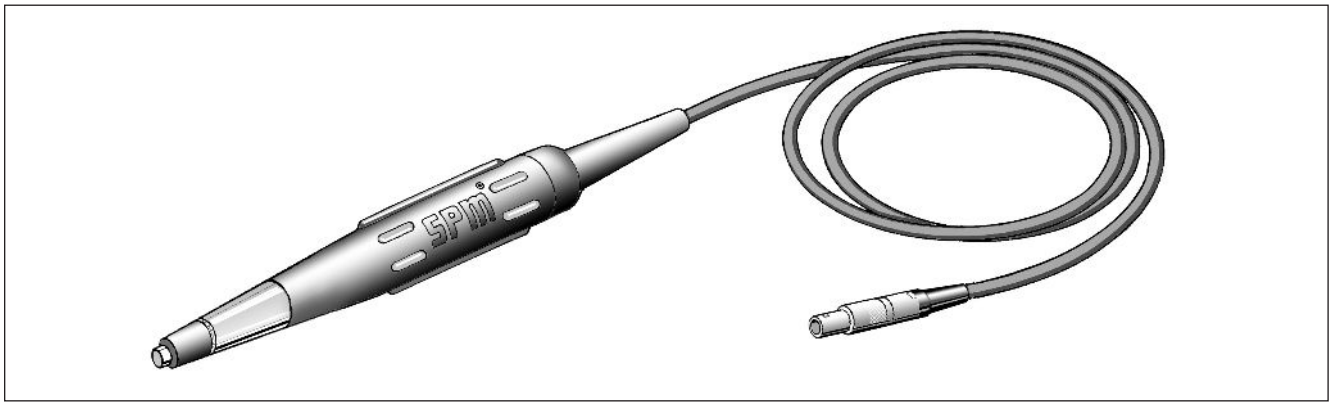
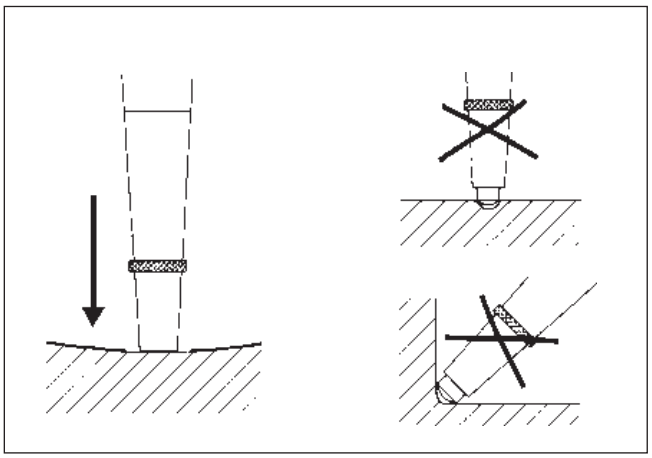
Shock Pulse Transducer with Probe TRA78

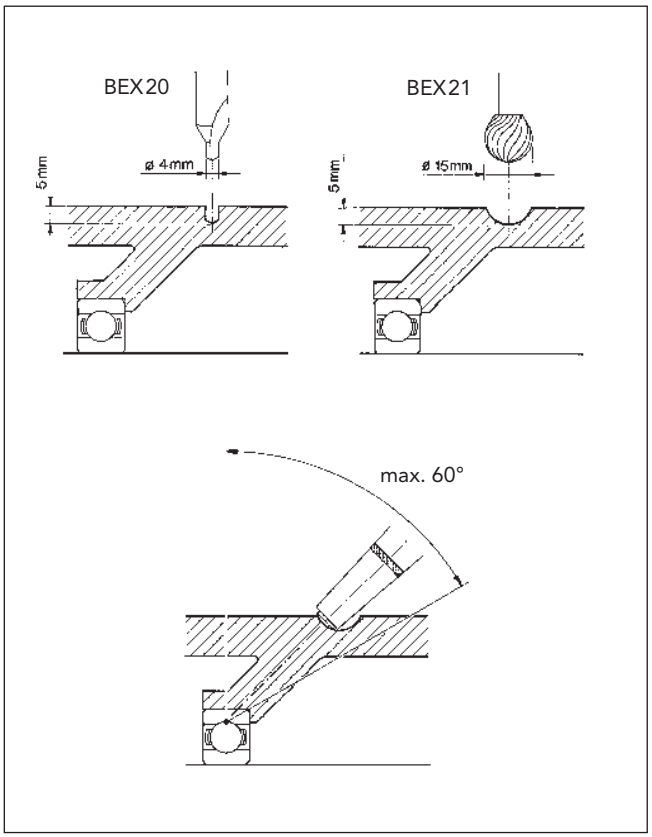


TRA78 is a handheld probe, used together with Leonova Diamond® and Emerald®. The probe is directionally sensitive and must be held aligned against the bearing and not deviate from this direction by more than ±5°. The probe tip is spring loaded and moves within a sleeve made of chloroprene rubber (neoprene) and tolerates 110 °C (230 °F).

Measuring points for the probe transducer should be located directly on the bearing housing and the signal path should be in a direct line to the contact area. The strongest shock pulses are emitted from the loaded region of the rolling interface in the bearing. The loaded region for radial load covers a sector of ±45° from the load direction. For axial load the region is 360°. Since the transfer of shock pulses to the bearing housing is limited by the width of the bearing, direct radiation of pulses will be restricted to a sector of ±60° from the perpendicular to the rolling surface. The measuring points should be clearly marked for consistent measurements.

To maintain a steady pressure on the tip, press the probe tip against the measuring point until the rubber sleeve is in contact with the surface. Avoid pressing the probe tip against cavities and fillets which are smaller than the probe tip.





Technical specifications

Coaxial cable:	PVC
Measuring range:	Max. 85 dBsv
Temp. range:	–30° to +70 °C
Connector:	Mini coax
Dimensions:	260 x 25 mm (10.2 x 1 in)
Weight:	275 g (9.7 oz)

Part numbers

TRA78-XX	Shock pulse transd. with probe. XX = cable length 1.5, 3, 5 or 10 m
BEX20	Center drill
BEX21	Rotary file

Spare parts

TRA15	Transducer with probe
16626	Probe handle
CAB79	Cable for TRA78, mini coax connector, 1.5 m (5 ft)
13108	Sleeve for probe tip

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