**SENSODEC**DATA SHEET
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RPT-122 PRESSURE TRANSDUCER

Sensodec RPT-122 is transducer for pressure pulsation measurements.

The transducer installation is designed to mount flush with the process wall.

The ball valve installation secures easy maintenance if needed.

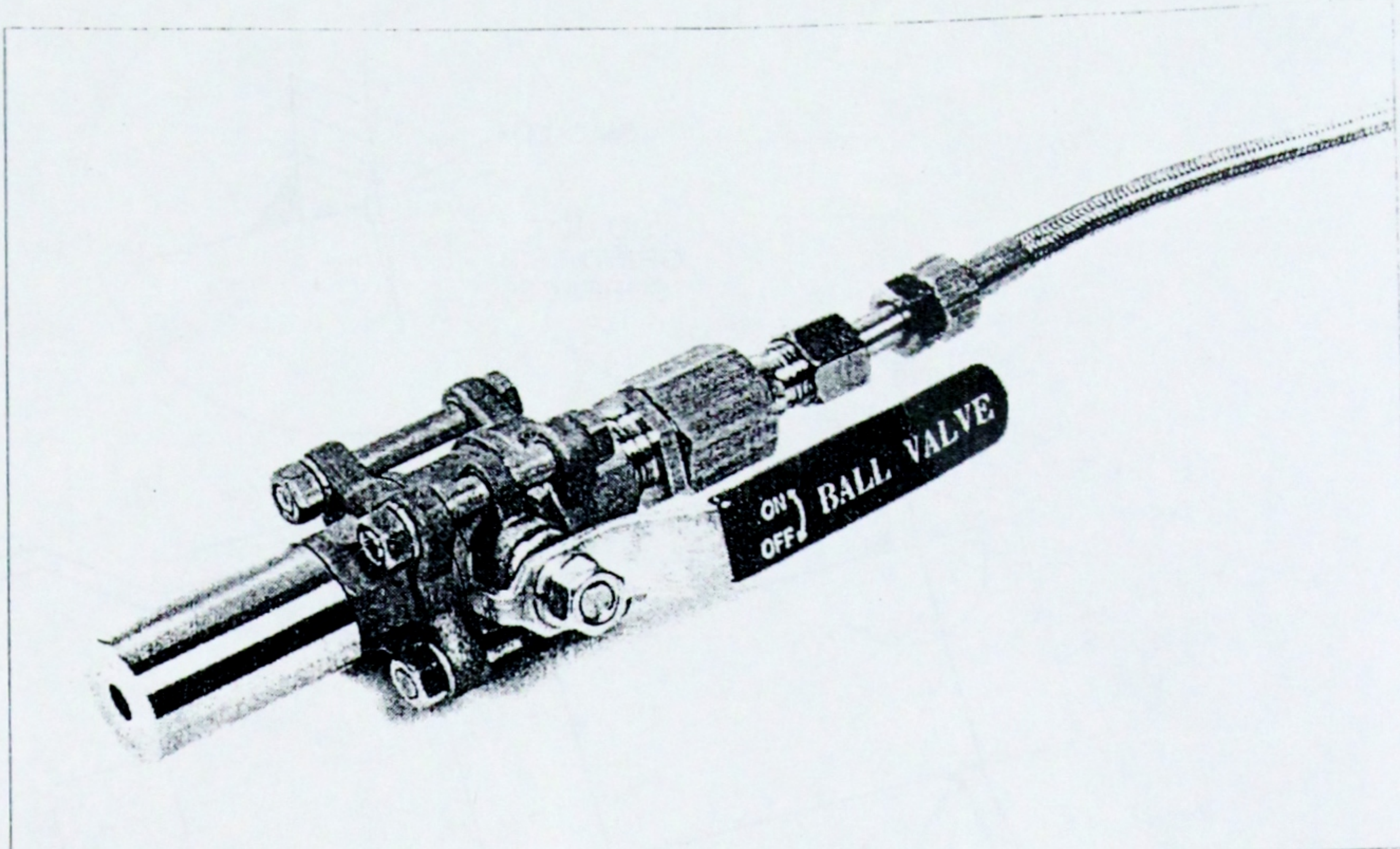


Fig. 1. SENSODEC RPT-122

Operation

Range	±7 bar	±100 psi
Frequency range	0.1 - 1000 Hz	±5 % (±0.4 dB)
Resolution	0.05 % FS	
Acceleration sensitivity	0.05 % FS/G	
Resonance frequency	>25 kHz	

Electrical operation

Output range	±5000 mV	
Sensitivity	725 mV/bar	50 mV/psi
Power	18 - 27 VDC, 2 - 20 mA	
Output impedance	< 100 Ω	
Output bias	7 to 14 +volt	

Ambient conditions

Temperature	-70 to +121 °C	-100 to +250 °F
Pressure (installation)	10 bar max.	140 psi max.
Vibration/Shock	2000/20000 G	
Pressure/Shock	70 bar	1000 psi

Construction

Material	Transducer AISI 316	
	Serving of cable PTFE/AISI 316	
Weight:	Transducer	0.53 kg 1.2 lbs
	Installation set	0.92 kg 2.1 lbs
Size:		

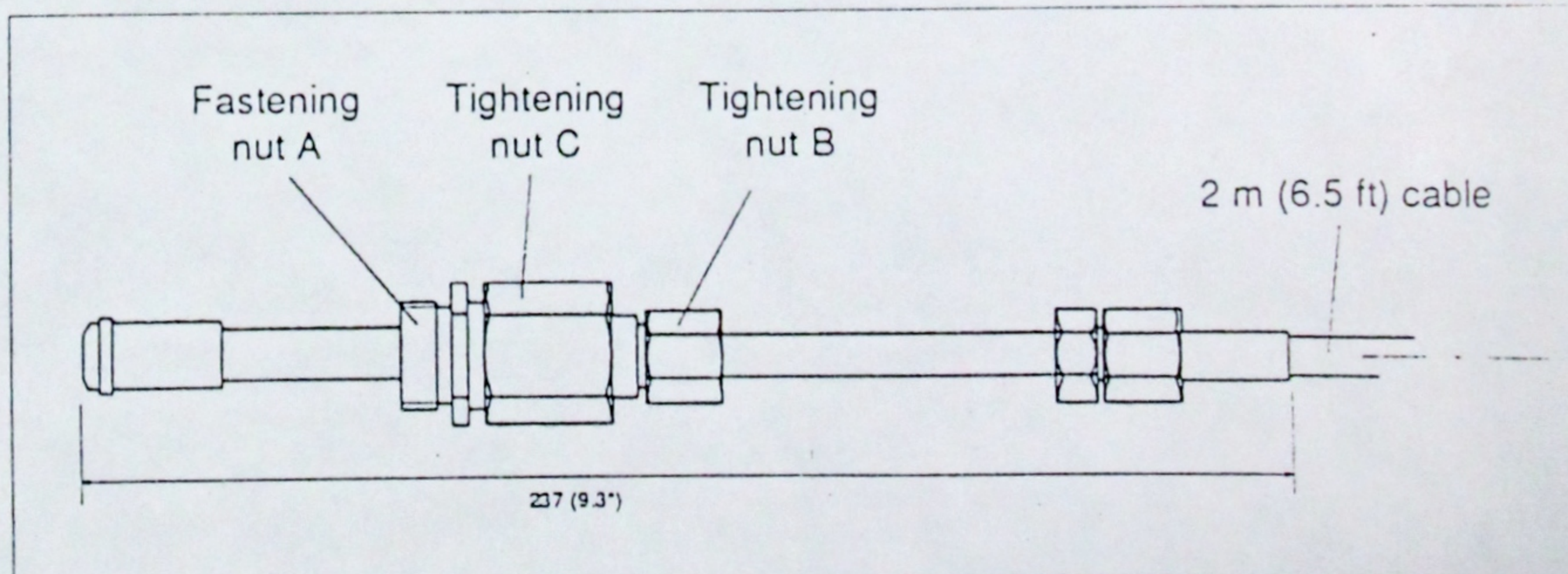


Fig. 2. RPT-122 external dimensions

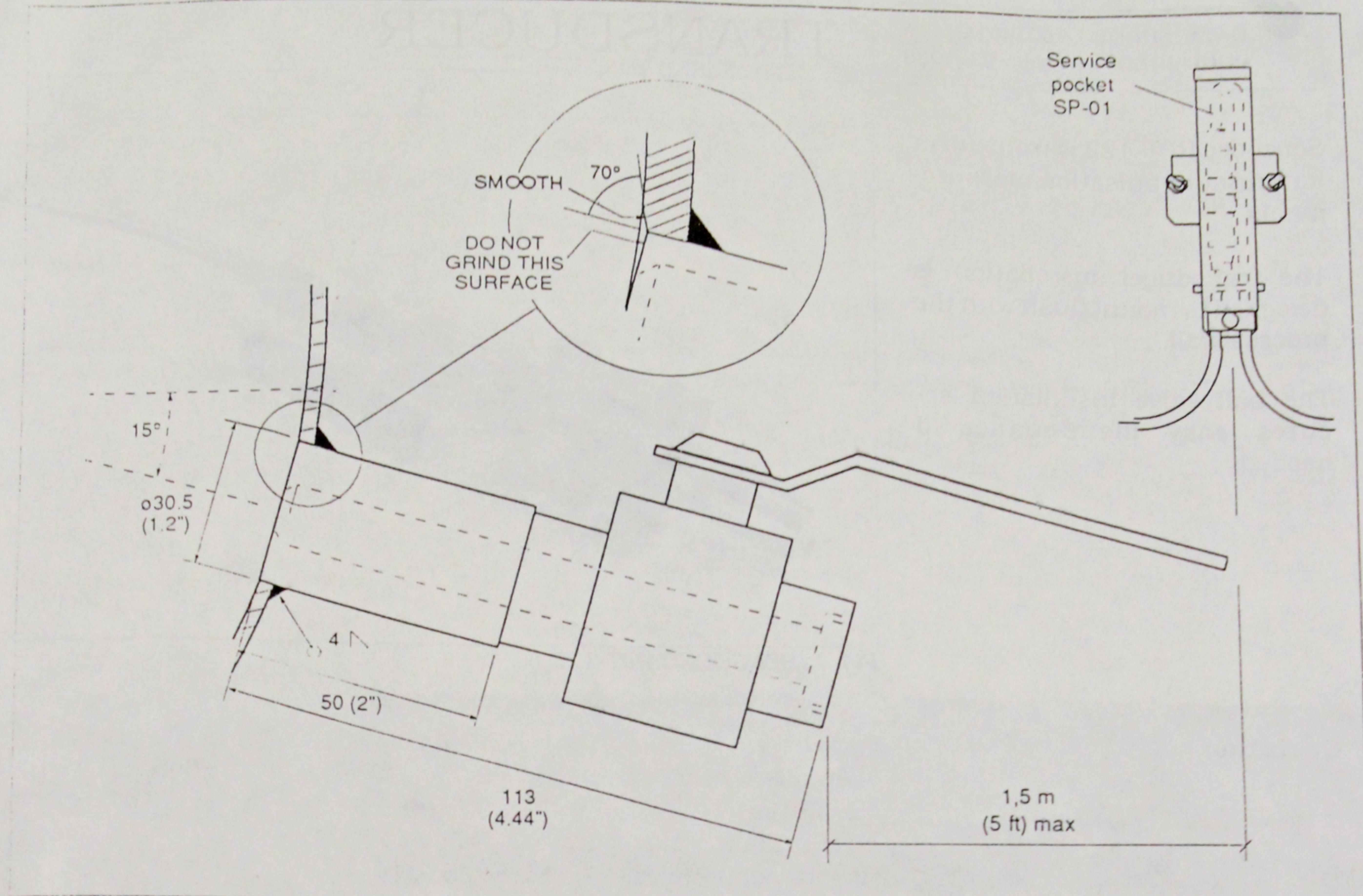


Fig. 3. Ball valve installation

Installation tool kit

- open-end wrench 15 mm
- open-end wrench 27 mm

Installing transducer in ball valve

1. Make sure the head of the sensor is clean.
2. Screw the nut A (see fig. 2) in to the ball valve.
3. Turn the ball valve completely

- open and push the transducer through valve in process.
4. Tighten nut B.
5. Tighten nut C.

Ordering items

- Transducer RPT-122
- Installation set RPW-122
- Service pocket SP-01
- RPT-122 installation tool kit