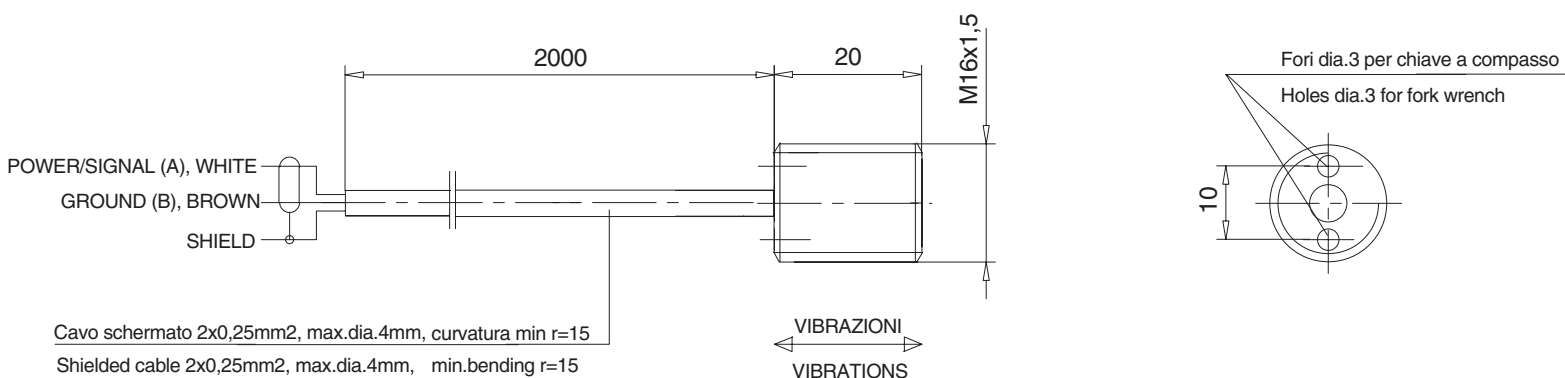


INTEGRATED EQUIPMENT



M16

Acceleration transducer



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Functioning

The M16 transducer picks up seismically the absolute vibrations of the machine by being fitted directly to the vibrating part.

Technical characteristics

Type of measurement :	seismic (absolute vibrations)
Dynamic range :	$\pm 50 \text{ g} - 0.1 \text{ Hz} \div 10.0 \text{ KHz} (\pm 3 \text{ db})$
Direction of vibrations :	any
Sensitivity :	100 mV/g
Transverse sensitivity :	< 5%
Accuracy :	0,0003 g
Resonance frequency :	> 25 KHz
Protection against shocks :	$\pm 7000 \text{ g-pk}$
Power supply :	$2 \div 20 \text{ mA} - 18 \div 28 \text{ V}$
Outlet impedance :	< 100 ohm
Temperature range :	$- 48^{\circ}\text{C} \div + 121^{\circ}\text{C}$
External casing material :	316-L stainless steel
Mounting screws :	M16 x 1.5
Weight :	20 g
Protection against external agents :	CEI 70-1 standard, IP66 class
Connection :	two wires shielded cable

Assembly

Make a threaded hole M16 x 1.5 the surface to be tested.

Maintenance

Zero.

Dimensions, fixture and connections

as per front page drawing.

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