

Acceleration transducer mod. TA18S



FUNCTIONING

The TA18S transducer picks up seismically the absolute vibrations of the machine by being fitted directly to the supports of the vibrating part; it supplies an output signal directly proportional to the vibration of the point to which it is fastened. Such signal should subsequently be processed by one of the measuring channel of a CEMB serial "T" or "N" processing unit.

TECHNICAL CHARACTERISTICS

Type of measurement	: seismic (absolute vibrations)
Dynamic range	: ± 50 g
Frequency response	: ± 3 dB 0,5 ÷ 15000 Hz ± 10 % 0,8 ÷ 6000 Hz ± 5 % 1 ÷ 4000 Hz
Direction of vibrations	: any
Sensitivity	: 100 mV/g
Transverse sensitivity	: < 5 %
Resonance frequency	: 25 kHz
Protection against shocks	: 5000 g pk
Power supply	: 2÷20 mA - 18÷28 Vdc
Outlet impedance	: < 150 ohm
Temperature range	: -54°C ÷ +121°C
External casing material	: stainless steel AISI 316-L
Mounting screws	: standard = ¼"-28UNF-2B or to be specified along with the order among those shown on dwg 58608-P
Weight	: 88 g
Protection against external	: IP65 EN60529/10.91
Connection	: 2 pin connector MIL-C-5015 serie 3106/10, supplied as standard

ASSEMBLY

Make a threaded hole on the support to be tested. The surface where the transducer rests must be perfectly smooth and flat. It is advised to provide a film of silicon between the resting surface and the sensor.

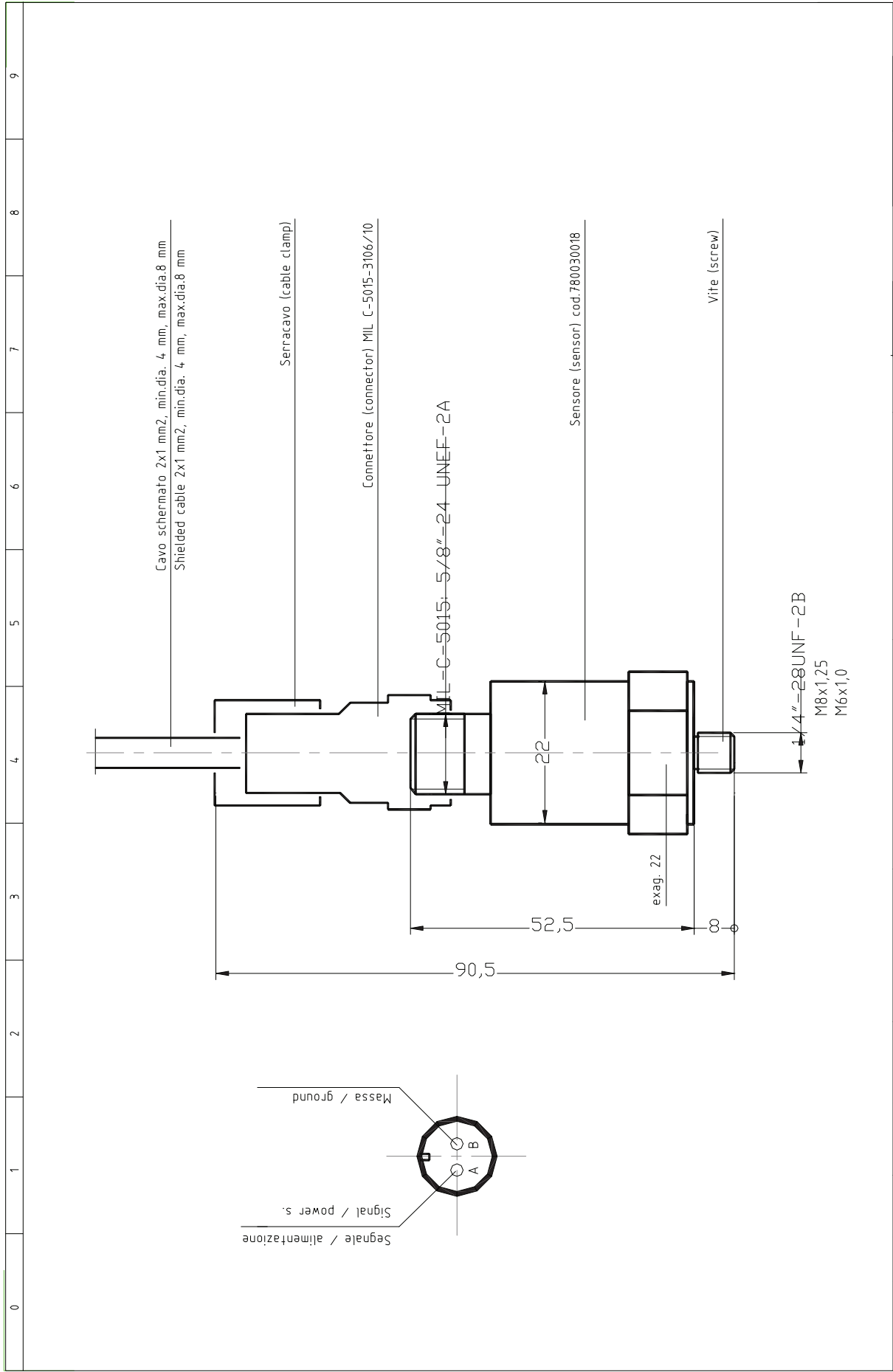
NOTE : avoid hitting violently the transducer housing, the closure couple must be 2,7÷6,8 Nm.

MAINTENANCE

Any.

DIMENSIONS, FIXTURE AND CONNECTIONS

As per enclosed dwg. n° 58608-P.



0	1	2	3	4	5	6	7	8	9
<p>Tipo di macchina: INGOMBRO, LAYOUT, CONNESSIONI</p> <p>Sensore TA-18/S</p> <p>Disegno: 58608-P</p> <p>Foglio N. 391N58608</p> <p>N. Fg.</p>									
<p>CLIENTE: CEMB</p> <p>ORDINE: Sostituito da:</p>									
<p>03/02/03</p> <p>Disegnatore: PASSONI</p> <p>Nome: Passoni</p> <p>Normaliva:</p> <p>Sostituisce il:</p>									
<p>31/05/99</p> <p>Modifica:</p>									