

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	
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.

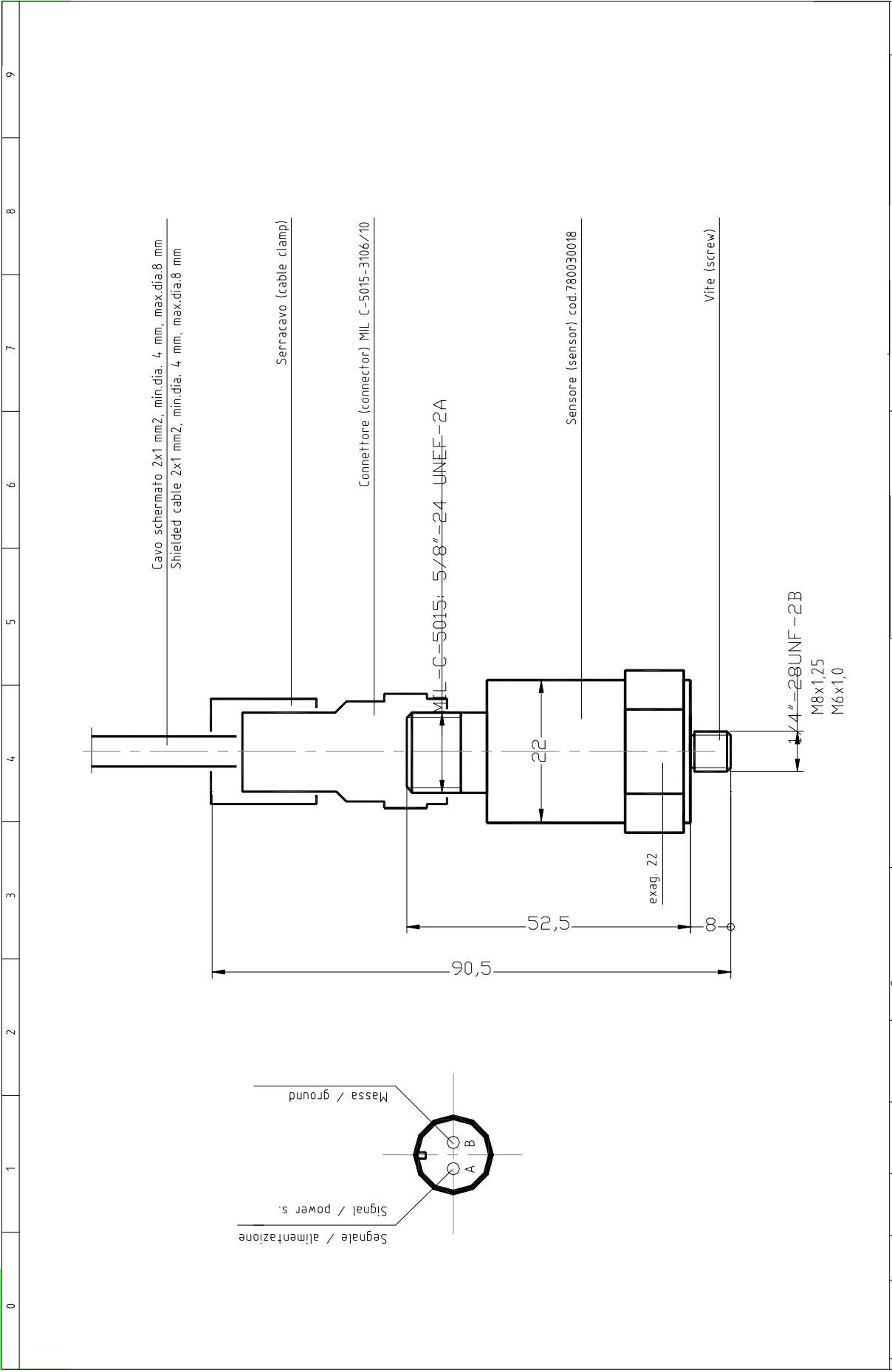
NOTE : avoid hitting violently the transducer housing, the closure couple must be 2,7÷6,8 Nm.

MAINTENANCE

Any.

DIMENSIONS, FIXTURE AND CONNECTIONS

As per enclosed dwg. n° 58608-P.



0	1	2	3	4	5	6	7	8	9
Tipo di macchina: Sensore TA-18/S									
INGOMBRO, LAYOUT, CONNESSIONI									
Disegno: 58608-P								39IN58608	
Foglio N N Fg.									

c	Data:	03/02/03	CLIENTE:	CEMB		ORDINE:				
b	Disegnatore:	PASSONI	Sostituito da:							
a	Aggiornam.:	31/05/99	Nome:	Passoni	Normativa:					
	Modifica:		Nome:							