

## PIEZOELECTRIC STRAIN SENSOR FOR DETECTING COLLISION EVENTS IN MACHINE TOOLS

### Properties

- Piezoelectric strain sensor with very high sensitivity for measuring the surface strain of structures
- Optimal for collision monitoring with the system GEMCMS
- Two protective tube variants available
- Different cable lengths available
- Degree of protection IP65

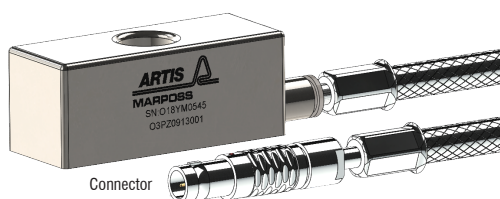
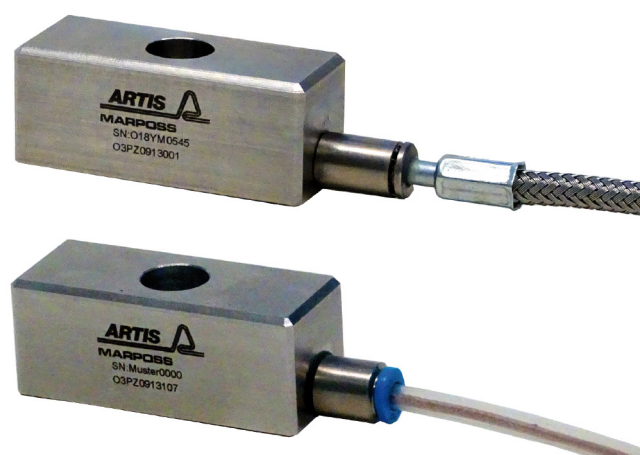
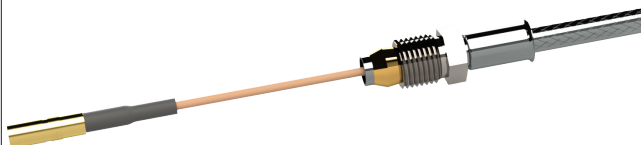


Illustration similar

#### Strain sensor DA for GEMCMS

- with steel netting mesh tube
- with ODU 3 pole plug, mounted
- installation kit included



- or or Mini Coax connector (for external amplifier), ready mounted

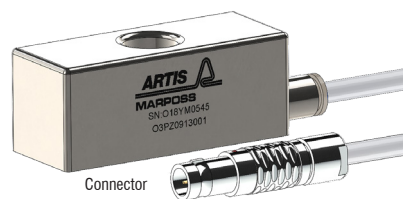


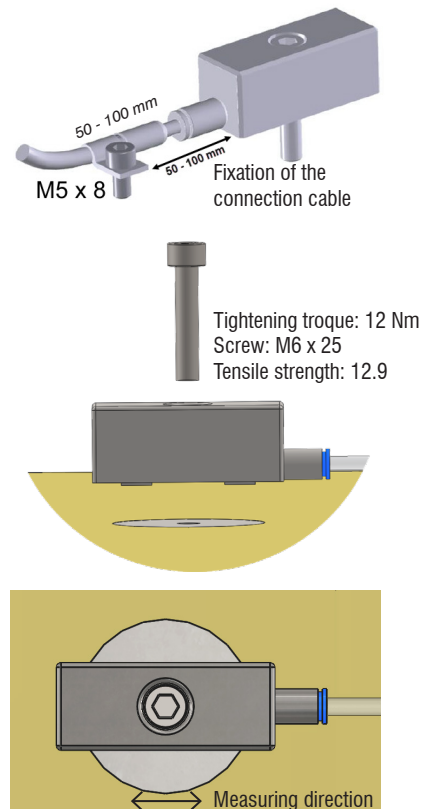
Illustration similar

#### Strain sensor DA for GEMCMS

- cable with PUR sheathing
- with ODU 3 pole plug, mounted
- installation kit included



- or Mini Coax connector (for external amplifier), ready mounted



DIMENSIONS	
DIMENSIONS	(L x W x H)
SENSOR ONLY	50 x 20 x 21 mm
SENSOR WITH CONNECTOR	83 x 20 x 21 mm

CABLE DIAMETER	
Ø CABLE WITH STEEL NETTING MESH	< 5.25 mm
Ø CABLE WITH PUR SHEATING	4 mm

BENDING RADIUS	
STATIC	10 x outer diameter
DYNAMIC	15 x outer diameter

INSTALLATION AND OPERATION	
CONTACTING	Plug connection
SURFACE REQUIREMENTS	Ra 1,6 , flatness 0,05
TIGHTENING TORQUE	12 Nm (M6 x 25)
OPERATING TEMPERATURE	0 °C ... + 60 °C
DEGREE OF PROTECTION	IP65 <i>(only if correctly assembled acc. to ARTIS guidelines)</i>
MEASURING RANGE	+/- 300 µε (typical)
SENSITIVITY	2000 pC/µε (typical)
CONFORMITY	CE, UKCA



*Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification.*

