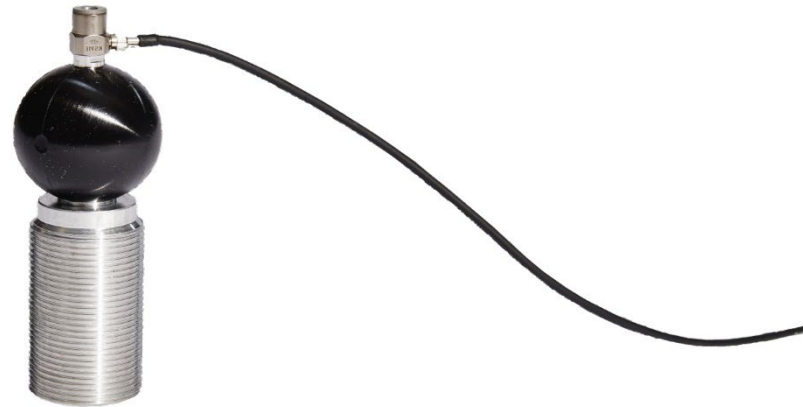


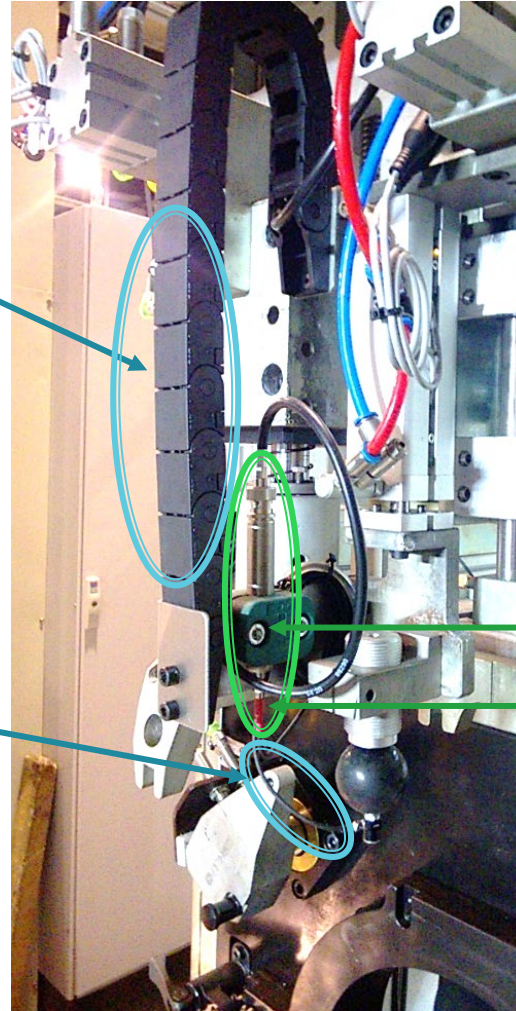
BKS03 MOUNTING BEST PRACTICES



BKS03 Sensor Cable Routing Good Practices

Cable guide for large movements of sensor mounting

At least 5 cm free slack of sensor cable



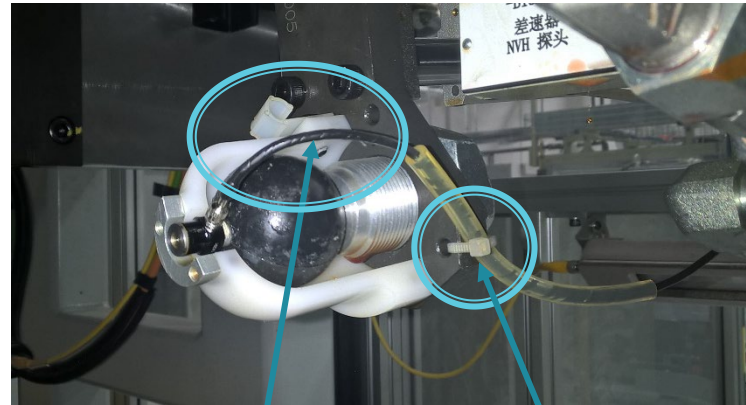
Isolation for IEPE Amplifier

Easy access to terminals to check the tightness of connectors

Sensor cable routing



Good: free movement of sensor cable

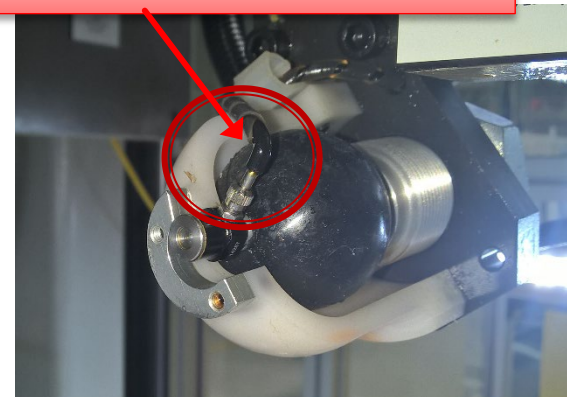


The silicon tube protects cable against cable ties

Bad: Silicone covers screw connector at sensor.



Bad: High strain on cable and connector.



These mountings will lead to cable break!

Preload of BKS03

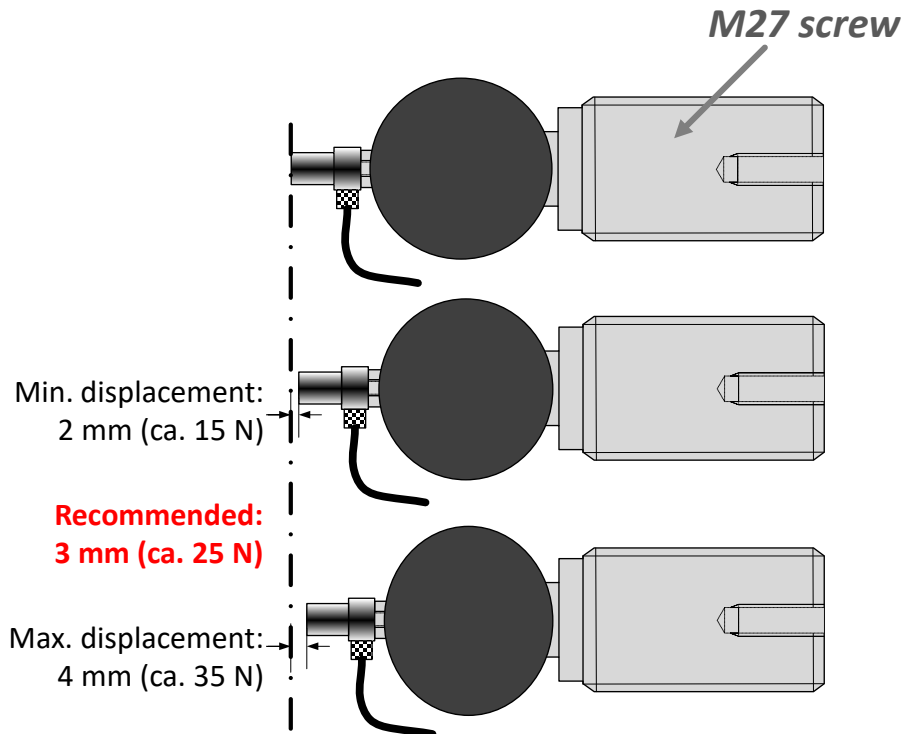
Pressure of BKS03 on surface:

Recommended pressure: 25 N corresponding to **3 mm displacement**

Minimum force 15 N corresponding to 2 mm displacement

Maximum force 35 N corresponding to 4 mm displacement

Tightening moment of sensor on elastic element: min 0.3 Nm, max 1 Nm. Screw on by hand.



Mechanical method for getting the correct preload:

- Place test object in test stand at final position.
- Use M27 screw to adjust BKS03 position so that the sensor *just barely* touches the surface.
- Remove test object.
- Turn M27 screw 3 turns outward.
- Fix M27 screw.

Isolation for ICP Amplifier, Moving together with Sensor
Cable guide for large movement of sensor position



The silicon tube protects the cable against cable ties



Preload(Displacement): 3mm



free movement of sensor cable



Isolation for ICP Amplifier, Moving together with Sensor
Cable guide for large movement of sensor position

The silicon tube protects the cable against cable ties

free movement of
sensor cable



Preload(Displacement): 3mm

Isolation for ICP Amplifier, moving together with Sensor

The silicon tube protects the cable against cable ties

free movement of sensor cable

Preload(Displacement): 3mm

