

Magnetoelastic sensors DSCS

Characteristic and usage

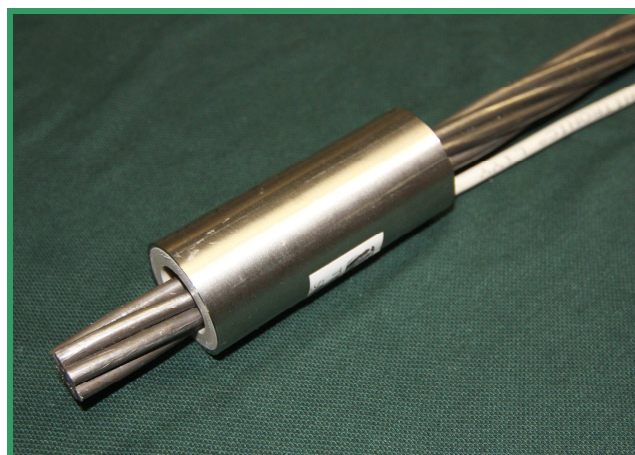
Magnetoelastic sensors DSCS have the shape of a hollow cylinder with the measured element (steel strands, cables, rods) passing through. They are equipped with an electronic identifier and an accurate thermometer. They enable measuring of mechanical stress in harsh industrial environment. They can be placed on the free parts of prestressed elements or sealed in concrete. They have high durability and lifespan. They are typically produced in dimensions of 20, 28, 33, 40, 50, 65 and 80 mm but also different dimensions are possible.



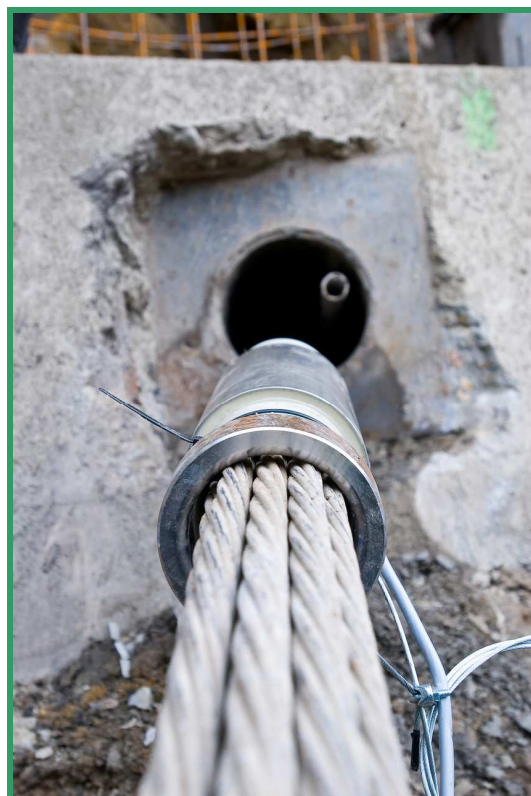
*DSCS sensors range:
20, 28, 33, 40, 50, 80 mm*

Technical parameters

Internal diameter	Length/ external diameter	Range of measurement
20 mm	121 mm / 35 mm	max. 300 kN
28 mm	182 mm / 44,5 mm	max. 600 kN
33 mm	182 mm / 54 mm	max. 800 kN
40 mm	220 mm / 63,5 mm	max. 1200 kN
50 mm	220 mm / 76,1 mm	max. 1900 kN
65 mm	260 mm / 88,9 mm	max. 3300 kN
80 mm	260 mm / 108 mm	max. 5000 kN



20 mm sensor installed on the monostrand 15,6 mm



80 mm sensor installed in the ground anchor with 8 strands