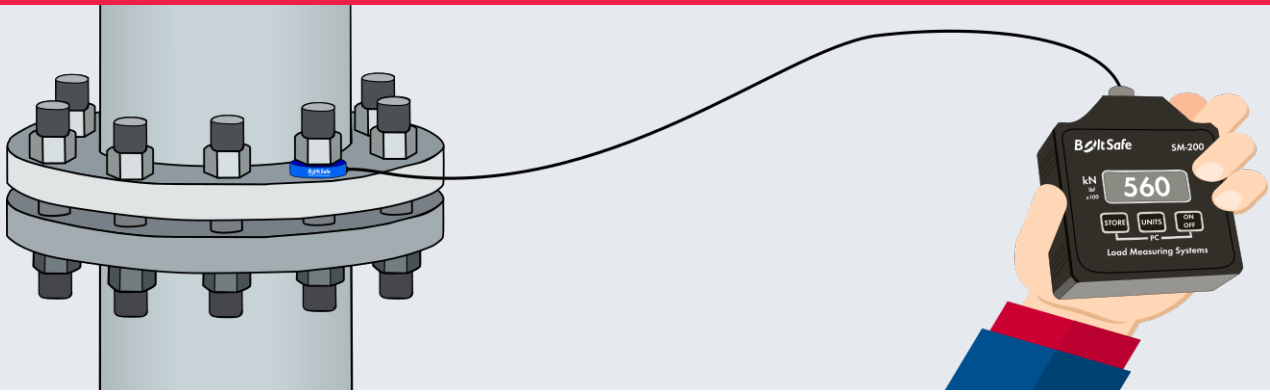


# BoltSafe Sensor CMS



## BoltSafe Sensor CMS

BoltSafe Sensor CMS (Continuous Monitoring System) is a specially designed sensor to monitor the residual bolt load in bolted joints. In this way the uncertainty in achieving the desired residual bolt load can be removed. This will result in enhanced safety, dependable joints, better control and improved cost benefit both during installation and throughout the joint's service life.

### The sensor

BoltSafe Sensor CMS is shaped and used as a regular washer, and is available in standard sizes. The design is rugged and able to withstand tough environments.

BoltSafe Sensor CMS employs an ASIC (Application Specific Integrated Circuit) in each unit, which performs all the signal conditioning and digital communication for each unit. This means that each BoltSafe Sensor will have its unique serial number for identification and traceability. The digital monitoring system measures both the residual bolt load and the sensor temperature.

The calibration of the sensors is done once, and there is no need for re-calibration throughout the lifetime of the sensor when used within the specification.

The BoltSafe Sensor CMS can be read one by one using the handheld instrument SM-200 BoltSafe Reader, or directly from a PC through the CM-1000 Network Adapter, or directly from a PDI-NT or a RS-232 and Analog converter. The PDI-NT optionally provides different output signals.

BoltSafe Sensors CMS have a cable installed for the purpose of interconnecting several sensors into a network and hence monitor the residual bolt load in a continuous manner from one connecting point.

Monitor the residual bolt load in a continuous manner from one connecting point.

Interconnect several sensors into a network.

