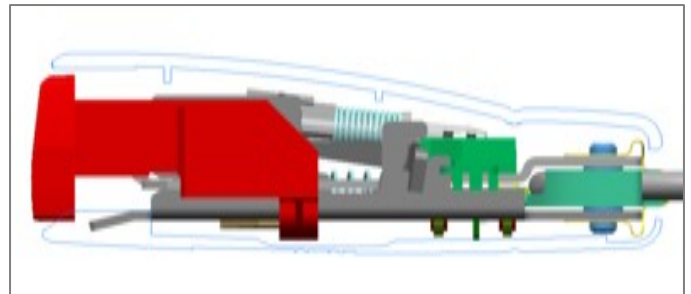


Buckle Tension Sensor Family - BTS



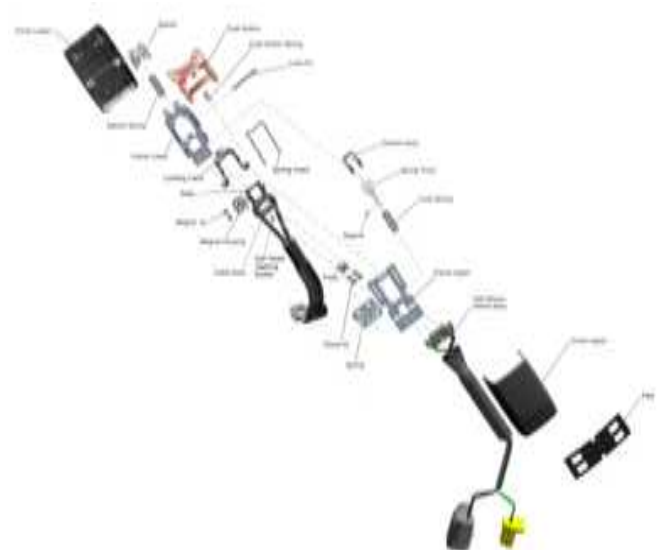
For Occupant sensing



Characteristics:

Performance Buckle Tension Sensor

- Hall Effect sensor designed to detect belt tension (of different passengers) by sensing changes in magnetic field caused by movement of magnet(s) due to compression of a coil spring (BTS) or of a leaf spring (BBS2.1) by seatbelt tension.
- Simultaneously provides the measurement of belt tension.
- Tensile Strength: > 22.0 KN
- Size : 97 mm X 50 mm X 29.5 mm
- Weight: 135 g (BTS) - 265g (BBS2.1)
- Output:
 - Belt-Tension**
 - Hall Sensor
 - Functional through a regulated source voltage range of 5 V
 - Output Voltage range of 1 V to 4 V over 0 N through 80 N tension
 - 3 wire harness connection with ratio-metric voltage output
 - Airbagschwellenumschaltung**
 - ON/OFF Type Output Device (Reed-Switch)
 - Seatbelt-Warning**
- Optional: switching of an **additional Comfort-Cassette** in Retractor
 - optional ON/OFF Type Output Device
 - Hall-Sensor (300-500 mA)



Main Features

- Slim Package (Buckle integrated)
- FRM of FMVSS 208 compliant
- MY 2004 platforms