



## Safety Seat SDS

3-D Adjustable Suspended Dynamic Seat for  
Medium and Heavy Armoured Vehicles



THINKING SAFETY

## Safety Seat SDS



Mines and IEDs (Improvised Explosive Devices) with high blast forces represent an enormous threat to the crews of armoured land vehicles in theatre. To provide crews with improved protection against explosions in addition to armour-plating of vehicles, effective safety seat systems are mandatory.

The principle behind the AUTOFLUG safety seat systems is consistent breakage of the rigid connection between the vehicle and its occupants by means of textile seat structures.

The AUTOFLUG Suspended Dynamic Seat (SDS) allows crews to adjust the position of the seat according to the specific situation and mission.

### SDS: Performance Benefits

- Capable to withstand multiple blasts
- "Multi-directional" functionality
- Protection potential > level 4b (STANAG 4569)
- Accommodates 5th to 95th percentile
- High attenuation of vibration, shock and vehicle movements
- Occupant protection in crash/rollover
- Spall protection inlay (optional)
- Height and inclination can be adjusted steplessly (up to position above hatch and including quick lowering)
- Weight starts at 15 kg / 33 lbs.



Optional hand-operated pump for adjustable lumbar support

### SDS: Design Benefits

- Easy 3-D adjustment (horizontal and vertical)
- Suspended, lightweight textile seat
- Minimum space claim required
- Mechanical retractor adjustment via control box
- 4/5-point harness with quick release buckle
- Integrated head rest and lumbar support
- Integration and qualification engineering support available
- Further options on request



Control box for seat adjustment (independent mechanical control)

### SDS: Configuration Benefits

- Ergonomic and comfort package
- Flexible range for interface points
- Usable for new vehicle designs as well as vehicle retrofits

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