

# MULTIPURPOSESEAT

MINE PROTECTION FOR VEHICLE CREWS

PASSION FOR TECHNOLOGY.

 RHEINMETALL



Rheinmetall's Multipurpose Seat (MPS) is a development to counter the increasing threat scenarios of crew members inside their vehicles during mine and IED incidents.

MPS is an integral part of Rheinmetall's mine protection systems for land based vehicles.

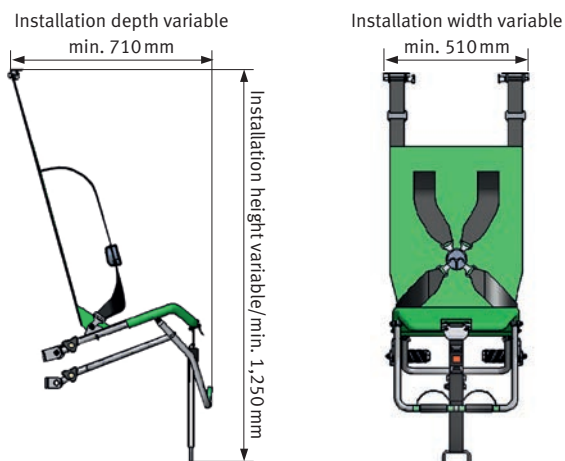
The seating system can be integrated either into new or in service vehicles as a retrofit system. It has proven extremely effective, both in tracked and wheeled vehicles.

The system is ceiling mounted, therefore acceleration forces decrease significantly on impact, hence mitigating the forces. Further damping elements are also mounted onto

side or rear wall to further mitigate these forces into the seat. As the floor acceleration and floor bulging is recognised, special attention was given to the foot rest system.

Restraining seat belts (4 points) that prevent crew members from receiving head injuries through acceleration are mandatory. Headrests to protect the spine and neck prevent the head from being jerked backwards.

The MPS has been first introduced in the year 2000 and has since then been installed into several user vehicle types and classes, i.e. M113, VAB, CV90 and others. The mine protection systems and MPS have been successfully tested in accordance to STANAG 4569, levels 3a–3b and 4.



#### TECHNICAL DATA

##### Measurements installation

|        |               |
|--------|---------------|
| Height | min. 1,250 mm |
| Depth  | min. 710 mm   |
| Width  | min. 510 mm   |

##### Measurements folded state

|  |        |
|--|--------|
| Length                                   | 700 mm |
| Depth                                    | 250 mm |
| Width                                    | 460 mm |
| Seat weight                              | 15 kg  |
| Designed for user weight incl. equipment | 130 kg |

In addition to the crew seat we offer the following options:

- Crew seat edge-gated with additional footrest
- Commander seat – MPS

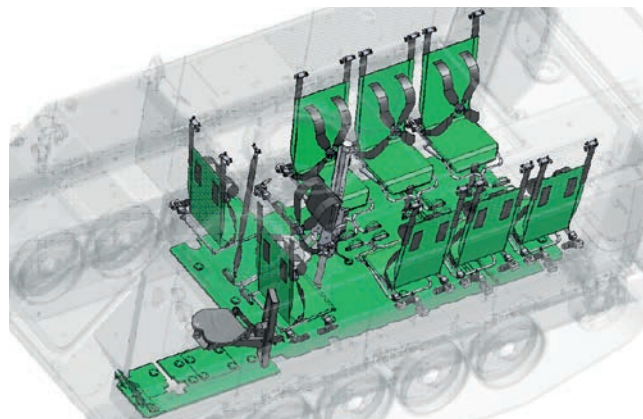
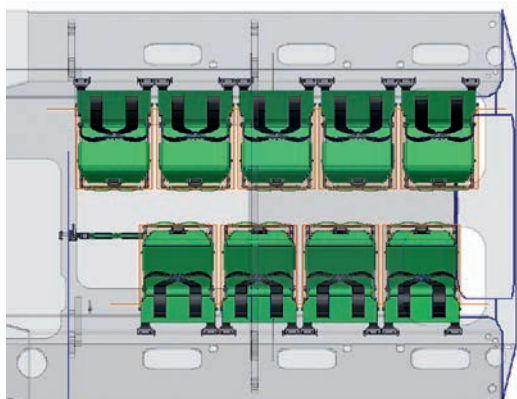


- Driver seats – variants depending on vehicles



Examples of seat arrangements on different types of vehicles

- Wheeled vehicles
- Tracked vehicles



**Rheinmetall Protection Systems GmbH**

Pützchens Chaussee 58 a  
53227 Bonn, Germany  
info-rps@rheinmetall.com  
www.rheinmetall.com