

# Dräger firefighter's helmets, HPS 7000 series

## Damage assessment and recommended actions



### Scratches on the helmet shell



Minor abrasions or scores not exceeding a depth of 0.25 mm and a diameter of 20 mm. Use the repair kit for paint repair (part number depends on colour).

Repair damage



Helmets with abrasions or scores reaching down to the black helmet shell material must be classified as unusable (this includes breaks on the edges).

Unusable – Do not use anymore!

### Impact effects on the helmet shell



Damage to the outer paint layer. The helmet shell material is not damaged and visible as black spot. Use the paint repair kit for paint repair (part number for paint repair kit depends on colour).

Repair damage



Helmets showing paint chippings and material abrasion from the helmet shell or cracks and tears in the helmet shell material must be classified as unusable.

Unusable – Do not use anymore!

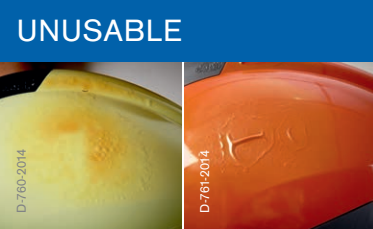
### Extensive material abrasion



Helmets with extensive material abrasion reaching down to the black helmet shell material must be classified as unusable.

Unusable – Do not use anymore!

### Heat/flame damage to the helmet shell



In case of blistering on the surface due to exposure to flames or high thermal stress the helmet shell must be classified as unusable.

Unusable – Do not use anymore!

### Heavy contamination



Contamination by smoke gases or other deposits: Cleaning required in order to carry out a thorough visual inspection. In case of particles burnt into the helmet shell the latter must be classified as unusable.

Cleaning required



Contamination by chemicals: Cleaning required. All components should thoroughly be checked by visual inspection to prevent chemical deposits on other parts of the helmet. If damage to the mounted parts is still visible after cleaning they should be replaced.

Cleaning and visual inspection required

### Damage to visor



Minor scratches in the field of view without impairment of visual perception, as well as scratches of all kinds, blind spots, blisters and slight deformations outside the field of view.

The visor can still be used



In case of considerable scratches, blind spots, blisters and deformations in the field of view the visor should be replaced.

Replace visor

### Damage to mounted parts



Mounted parts showing clearly visible damage due to exposure to flames, thermal or mechanical stress (such as, for example, burns on the edges) must be replaced.

Replace adapter or adapter bag



In case of damage due to exposure to flames or thermal stress the adjacent mounted parts as well as the helmet shell must be checked thoroughly for damage (see inspection note "Heat/flame damage to the helmet shell").

Replace front plate or reflective labels

### Textiles



Neck guard or harness showing visible discolouration due to exposure to flames or high thermal stress must be replaced.

Replace neck guard



Neck guard or harness showing damage due to mechanical abrasion, thermal stress or chemical substances must be replaced.

Replace neck guard

### Product labelling

1	Certification body	8	European standard for firefighter's helmets
2	Manufacturer code Dräger Safety	9/10	European standard for marine equipment with indication of the issuing authority and the validity date
3	Type: Full-shell helmet with integrated face protector	11	Product name
4	Head size range in cm	12	Helmet size
5	Helmet material (polyamide, fibre-glass reinforced)	13	Manufacturing date (month/year)
6	E2E3: Electrical insulation strength according to EN 443	14	Production site
C:	Resistance to contact with liquid chemicals	15	Year and month
****:	Usage of the helmet for temperatures of up to -40 °C	16	Consecutive production number from beginning of month
7	CE mark		

