



Ohrdrufer SchlauchWeberei
Eschbach GmbH



Informative video
SmartPROTECT



SmartPROTECT – The smart protective sleeve New. Convenient. Innovative.

INNOVATION RFID TECHNOLOGY

- integrated RFID tags facilitating inventory management
- no time-intensive attachment of barcodes
- RFID tags protected in the sleeve
- reusable
- legal security through digital documentation



SAFETY DURING DEPLOYMENT

- complies with sleeve standards for the L2/L3 sleeve
- complete protection of the binding
- very good edge glide effect
- prevents the coupling from getting caught
- works with any Storz coupling
- available in various sizes: C/42 mm, C/52 mm, B/75 mm
- available as original equipment or as a retrofit kit

It goes without saying that it is also
available as an extremely practical
protective sleeve without RFID function



THE CHALLENGE

Inventory management of equipment carried by firefighting vehicle and during hose maintenance work

- efficient and automated inventory management of equipment
- completeness check on all mandatory items that must be loaded onto firefighting vehicles
- when required to furnish proof of completion of cleaning processes – including hose cleaning

Hoses are extremely important. Each brigade deployed must be able to rely on the quality of the hoses used for firefighting. What could be worse than an accident attributable to bad maintenance or faulty checks? This is why the DGUV (German Social Accident Insurance) lays down testing principles which must be adhered to. Equipment supervisors and employees charged with maintaining hoses bear a huge responsibility, because they must see to it that all the test results are documented in a legally secure manner. Inventory management, but also proof of completion of maintenance and cleaning procedures, are mostly performed using time-intensive and labour-intensive methods.

THE SOLUTION FROM OSW

One step ahead with SmartPROTECT

- integrated RFID tags as the technically most sensible solution
- 2 sleeves per hose – 2 RFID tags per sleeve opposite each other
- ensures stable and accurate readings – regardless of the hose's condition
- the tags can also be detected if they are positioned on the back of the hose
- synchronous information on all the RFID tags attached to the hose – reliable recordings


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The pioneering solution for efficient hose and vehicle inventory management

RFID for all the equipment carried by a vehicle

- rapid detection of the vehicle's entire equipment load
- immediate documentation of any missing items of equipment
- enormous savings in time through the elimination of manual data acquisition tasks

„Wiki“ What is 

RFID stands for **Radio Frequency Identification**. RFID is a widely used technology enabling (identification) data to be transmitted in a contactless manner using electro-magnetic radio waves from one device to another. Essentially, RFID technology consists of a transponder and a reader device.

tagItron

Strong partnership

OSW Eschbach GmbH is a partner of tagItron. tagItron is one of the leaders in the development and implementation of RFID technologies. They specialise in dedicated solutions for RFID identification in firefighting and rescue. The solutions offered by tagItron mean that management of all of the equipment loaded onto firefighting vehicles is no longer just a vision but already a reality.

CERTIFICATION

- certification of the functioning of the RFID transponders fitted to the sleeve
- 10-fold flashover simulation – tested under the most challenging working conditions
- static and dynamic frequency and performance measurements complying with ESKA 202010
- heated up to 600°C for a few seconds – then shock cooled down to –30°C for 15 min.

All the test items in the 'smartPROTECT' sleeve passed the test without any impairment of their functional capabilities.