



# Hydraulic & Offshore Supplies

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## Plastic Hose Guards



# PLASTIC HOSE GUARDS

## SAFE-SPIRAL

Safe-Spirals, our standard plastic hose protectors, protect hydraulic and pneumatic hoses from abrasion, shocks and general wearing, and prolong the life of your hoses this way. Yellow spirals make hoses more visible and prevent possible accidents beforehand.

These hose guards are easy to install either before or after hose assembly and offer an economical and high-quality choice for hose protection.

We also offer tools to help the mounting work.

Safe-Spirals are manufactured by extrusion of the raw material HDPE. Thanks to this production method our spirals have extremely durable construction and naturally round edges which do not cause damage to hoses.

### Safe-Spirals:

- are resistant to acids, oils and solvents
- are flexible
- are UV-protected
- include antistatic additive to reject dust and dirt
- have operative at temperature range from -50°C up to +80°C (continuous) / 100°C (short time)
- are recyclable



### For which machines?

Forest machines  
Agricultural machines  
Mining machines  
Bulldozers / Earthmovers  
Tractors  
Excavators  
Trucks, trains, forklifts  
Construction machines, big or small  
Airplane ground cables  
Basically any machine with hydraulic hoses!



### Nominal Outer Diameters

12mm, 16mm, 20mm, 25mm, 32mm, 40mm, 50mm  
63mm, 75mm, 90mm, 110mm, 125mm, 140mm  
See Technical Data for more details.

### Lengths

In coils: see table below

Pre-cut lengths up to 6 meters according to order. Pre-cut Safe-Spirals are equipped with a hole to join several spiral pieces together in order to achieve the desired length or to fix the protector at its location. The end of the spiral piece is also rounded.

### Colours

Standard colours: black and yellow, other colours available on request (MOQ 600m per colour)

**Coils:**

Diameter	Length
12-20mm	25m
23 / 32 / 50mm	25m and 50m
40 / 63mm	25m
75 / 90mm	20m
110mm	15m
125mm	12m
140mm	10m



\*\*\* diameters 12mm, 16mm, 40mm, 63mm and 125mm and special colours are available only in coils, not in pre-cuts.

# FLEX SPIRAL

Flex-Spirals are produced by the same method (extrusion) and of the same raw material (HD PE) as Safe-Spirals. This gives Flex-Spirals equally high quality features and the same profile with naturally round edges and durable construction. This product is developed to protect different types of hoses and electric cables and it offers a more flexible and easy-to-install option for hose protection.

The Flex-Spirals have a thinner wall and narrower pitch than Safe-Spirals. Thanks to these features the mounting of Flex-Spiral is easier and it can be recommended for applications where easy installation is more important than heavy protection.

## **Flex-Spirals are:**

- resistant to acids, oils and solvents
- UV-protected
- are made from HDPE plastic
- recommended temperature range is from -50°C up to +80°C (continuous) / 100°C (short time)
- recyclable

## **Nominal Outer Diameters**

20 mm, 25 mm, 32 mm, 50 mm, 75 mm  
See technical details

## **Lengths**

Available only in coils:  
20 – 50mm 25m  
75mm 20m

## **Colours**

Standard colours are yellow and black.



**Please notice that Flex-Spirals are special products which are produced only after order (not stock items).**

# SAFE-SPIRAL ASTA

Safe-Spiral ASTA is our 2-coloured **permanently antistatic spiral** which is designed for explosive surroundings, like underground mines and other special environments that demand conductivity. Safe-Spiral ASTA conforms with PN-EN 13463-1 which is the ATEX -related standard for “Non-Electrical Equipment for potentially Explosive Atmospheres”.

**Diameters** OD 20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 75mm, 90mm and 110mm

<b>Length</b>	Available only in coils (25m / 20m / 15m)
<b>Colours</b>	Black surface, green interior
<b>Delivery Time</b>	4-6 weeks from order
<b>Material</b>	HD polyethylene (double extruded) + conductive thermoplastic compound



Surface resistivity is average 8.0 k $\Omega$  / sq. Test report / certificate of conformity are available on request.

\*\*\* Due to the conductive compounds the above mentioned measurements are normative as the product tends to shrink a bit after cooling.



# SAFE-SPIRAL ABRA

Safe-Spiral Abra is a 2-coloured wear indicator –spiral. Safe-Spiral Abra helps you identify the spots that need more careful observation: once the black top layer wears off and you can see the yellow colour, you know the spiral needs to be replaced soon. This product can be used in environments where the spirals encounter uneven abrasion, such as when hoses need to be dragged on asphalt, or if exposed to lot of hits, like in forest industry.

Abrasion of this spiral is very minimal, even though the thickness of the top layer is only 0.5mm. It would take approximately 1000km or 415 hours to wear off, at 1.9 MPa surface pressure (pin-on-disk tester).

**Diameters**                    20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 75mm, 90mm and 110mm

<b>Length</b>	Available only in coils (25m / 20m)
<b>Colours</b>	Black surface, yellow interior
<b>Delivery Time</b>	4-6 weeks from order
<b>Material</b>	HD polyethylene (double extruded)



Safe-Spiral ABRA is not a stock item but produced after order.

<b>Length</b>	Available only in coils (25m / 20m / 15m)
<b>Colours</b>	Dark grey
<b>Delivery Time</b>	4-5 weeks from order
<b>Material</b>	HD polyethylene, flame resistivity has been improved further with different ingredients to decelerate ignitability and burning.



**Please notice that Safe-Spiral Mine is special product which is produced only after order (not stock items).**

# SAFE-SPIRAL MINE+

Safe-Spiral MINE is designed to protect hydraulic (or equivalent) hoses against mechanical abrasion in environments that demand **flame resistance**, especially in mining machinery and mining appliances. Safe-Spiral MINE is accepted as a “Flame-Resistant Solid Product taken into Mines” with acceptance No. **MSHA IC-271** by the Mine Safety and Health Administration.

Flammability of Safe-Spiral MINE is tested according to **UL-94** standard. The test results are very good and Safe Spiral MINE fills the criteria for **V-0** classification.

<b>Diameters</b>	OD, 16mm 20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 75mm, 90mm and 110mm
<b>Length</b>	Available only in coils (25m / 20m / 15m)
<b>Colours</b>	Dark grey
<b>Delivery Time</b>	4-5 weeks from order
<b>Material</b>	HD polyethylene, flame resistivity has been improved further with different ingredients to decelerate ignitability and burning.



Please notice that Safe-Spiral Mine is special product which is produced only after order (not stock items).





# Contact Us

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