

STAUFF ANGLIA LIMITED | Unit 405 Coppersmith Way | Wymondham | Norfolk NR18 0WY  
T: 01953 857 158 | F: 01953 857 159 | E: [sales@stauffanglia.co.uk](mailto:sales@stauffanglia.co.uk)

## SAFEPLAST HOSE PROTECTION AND SAFETY SYSTEMS



## SAFE-SPIRAL HOSE PROTECTOR

Protects hydraulic and pneumatic hoses from abrasion, shocks and general rubbing  
 Makes hoses more visible, helping to prevent possible accidents  
 Is easy to install either before or after assembly of the hose

### SAFE-SPIRAL

Is made by directly compressing the raw material, High Density Polyethylene.  
 The advantages gained by using this method are:

- ◆ Greater strength of the spiral
- ◆ Round edge profile of the spiral

### SAFE-SPIRAL

- ◆ Is resistant to acids, oils and solvents
- ◆ Contains antistatic additive
- ◆ Is flexible
- ◆ Is UV-protected
- ◆ Ø 75mm to 140mm pre-cuts have a hole for lengthening purposes
- ◆ Resists frost and heat (temperature range from -50°C up to +100°C)
- ◆ Is recyclable

OUTER DIAMETERS (nominal) Millimetres:

12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 140

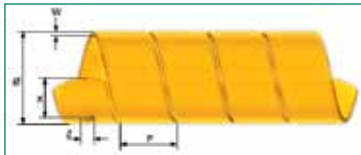
COLOURS: yellow and black

PRE-CUT LENGTHS: up to 6m

COILS:

12 – 20mm - 25m | 25 – 50mm - 25m and 50m | 40mm, 63mm - 25m | 75mm, 90mm - 20m  
 110mm - 15m | 125mm - 12m | 140mm - 10m

Diameters 12mm, 16mm, 40mm, 63mm and 125mm available only in coils!



### TECHNICAL INFORMATION

Nominal Outer Dia.	Nominal Inner dia.	Weight ca.kg/m	Wall W mm	Pitch P mm	Hole Distance X mm	Hole diameter Z mm	Recommended usage range Hose Dia. mm
12mm	9.6mm	0.04	1.2	10,5	-	-	9 – 13
16mm	13.4mm	0.06	1.3	12	-	-	13 – 18
20mm	16.0mm	0.09	2	20	-	-	16 – 22
25mm	20.6mm	0.15	2.2	25	-	-	20 – 27
32mm	27.0mm	0.19	2.5	22	-	-	27 – 36
40mm	34.6mm	0.3	2.7	24	-	-	34 – 44
50mm	43.2mm	0.4	3.4	30	-	-	43 – 55
63mm	55.6mm	0.65	3.7	27	-	-	55 – 67
75mm	66.2mm	0.73	4.4	42	35	10	66 – 80
90mm	80.2mm	1.2	4.9	45	35	10	80 – 98
110mm	99.0mm	1.76	5.5	50	35	10	99 – 115
125mm	113.2mm	2.05	5.9	52	35	10	113 - 130
140mm	127.0mm	2.5	6.5	55	35	10	125 – 155

## FLEX-SPIRAL HOSE PROTECTOR

Flex-Spiral is produced in the same way and of the same raw material (HD PE) as Safe-Spiral which equates to the same profile and rounded edge finish and quality features.

The **Safeplast Flex-Spiral** is more flexible than Safe-Spiral because

- ◆ It has narrower pitch than Safe-Spiral
- ◆ Its wall is thinner than Safe-Spiral

With these properties, the installation of Flex-Spiral is easier. This makes it eminently suitable for use with the new generation of compact and super flexible wire braid and wire spiral hose assemblies. It is also suitable for additional protection on high performance thermoplastic hoses

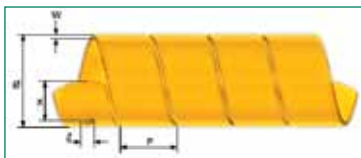
Flex-Spiral supply is currently available to order in the following sizes

OUTER DIAMETERS (Nominal) Millimetres

20 | 25 | 32 | 50 | 75

COLOURS: yellow or black

COILS ONLY: 25 m (75mm in 20m coils)



### TECHNICAL INFORMATION

Nominal outer / inner	Weight ca.kg/m	Wall W mm	Pitch P mm	Length only in coils
20 / 16.8 mm	0.08	1.6	16	25m
25 / 21.6 mm	0.1	1.7	19	25m
32 / 28 mm	0.18	2	22	25m
50 / 44.8 mm	0.35	2.6	24	25m
75 / 68.6 mm	0.65	3.2	35	20m

Material: High Density Polyethylene

The hose protector contracts during storage and transportation, but will return its original size when installed.

Please note that this product **does not** contain a hole at each end.

## SAFEPLAST BINDING SPIRAL

This product has been developed to protect electric cables and wires from stress caused by abrasion and shocks and to make the installation and maintenance of electrical cables easier

SAFEPLAST Binding Spiral is produced from frost and heat resistant PE by cutting from plastic pipe.

### SAFEPLAST BINDING SPIRAL

- ◆ Tolerates acids, oils and solvents
- ◆ Is flexible
- ◆ Is UV-protected
- ◆ Is usable from -30°C up to + 80°C
- ◆ Is recyclable

OUTER DIAMETERS (nominal) Millimetres

6 | 8 | 10 | 12 | 15 | 20 | 25 | 32

LENGTHS:

6mm 100m | 8 - 15 mm 50m | 20 – 32 mm 25m

COLOUR: black



### TECHNICAL INFORMATION

Nominal outer / inner dia.	Wall mm	Pitch mm	Colour	Length
6 / 4 mm	1	5.5	black	100m
8 / 6 mm	1	5.5	black	50m
10 / 8 mm	1	8	black	50m
12 / 10 mm	1	8	black	50m
15 / 12.5 mm	1.25	10	black	50m
20 / 16.6 mm	1.7	12.5	black	25m
25 / 21 mm	2	12.5	black	25m
32 / 28 mm	2	15	black	25m

Material: Polyethylene

## SAFEPLAST MINING SPIRAL

Safeplast mining spiral has been developed especially for the mining industry. The product is made by compressing raw material containing an antistatic additive, preventing the forming of static electricity. These properties make the product suitable for mining conditions.

### SAFEPLAST MINING SPIRAL

- ◆ Contains antistatic additive
- ◆ Is resistant to acids, oils and solvents
- ◆ Is possible to have with a hole which helps the lengthening of the product
- ◆ Is made from PE plastic which withstands frost and heat from  $-50^{\circ}\text{C}$  up to  $+100^{\circ}\text{C}$
- ◆ Is UV-protected
- ◆ Is recyclable

### COLOUR:

Black

### DIAMETERS:

60 mm and 110 mm

### LENGTHS:

2m

### TECHNICAL INFORMATION

Nominal outer	Weight ca.kg/m	Wall W mm	Pitch P mm	Hole distance X mm	Hole diameter Z mm	Recommended usage rate hose diameter mm
60 mm	0.49	3	33	35	15	50 – 60
110 mm	1.28	4	42	35	15	80 – 100

## SAFE SLEEVE MSHA

Easy to install, textile MSHA-approved SAFE SLEEVE is produced from polyester which is recyclable material.

SAFE SLEEVE MSHA has excellent pressure resistance and protects people in close proximity to a hose failure and meets the requirements of standards EN ISO 3457 and EN 12999.

The recommended temperature range is -40...- +120°C. SAFE-SLEEVE MSHA is UV-protected and has very low electrical conductivity.

Abrasion resistance of SAFE-SLEEVE MSHA is excellent.

Test reports are available on request.

Colour black with white printing.

Customised printing is available

Length 50m / roll.



## ORDERING INFORMATION

SAFE-SLEEVE MSHA Product code	Inner diameter (mm) tolerance +/- 0.5mm
MSHA-RD17M	17
MSHA-RD23M	23
MSHA-RD27M	27
MSHA-RD30M	30
MSHA-RD36M	36
MSHA-RD39M	39
MSHA-RD46M	46
MSHA-RD55M	55
MSHA-RD62M	62
MSHA-RD78M	78
MSHA-RD109M	109
MSHA-RD125M	125

## SAFE SLEEVE PP

Easy to install, textile SAFE-SLEEVE is produced from polypropylene which is very hard-wearing and recyclable. Polypropylene is generally acid and alkali resistant.

SAFE-SLEEVE has excellent pressure resistance and protects people in close proximity to a hose failure. It meets the requirements of EN 12999 and EN ISO3457 standards.

The recommended temperature range is -40...- +80°C. SAFE-SLEEVE is UV-protected and has a very low electrical conductivity.

Abrasion resistance of SAFE-SLEEVE is excellent: when tested (standard SFS-EN ISO 12947-3) the SAFE SLEEVE performance was 10 times greater than a similar competitive product.

### COLOUR:

Black with **no** printing/identification.

### LENGTH

50m / roll.



### ORDERING INFORMATION

SAFE-SLEEVE product code	Inner diameter (mm) Tolerance +/- 0.5mm
SL-XRD 17	17
SL-XRD 23	23
SL-XRD 27	27
SL-XRD 30	30
SL-XRD 36	36
SL-XRD 39	39
SL-XRD 46	46
SL-XRD 55	55
SL-XRD 62	62
SL-XRD 78	78
SL-XRD 109	109
SL-XRD 125	125



Aluminium rings for clamping the sleeve on the hose are also available!

## SAFE WRAP

SAFE-WRAP is produced from 100 % polyamide 6.6 with PU coating and Velcro® -brand fasteners which make it very easy to install on hose lines after assembly/installation and repeatedly when required.

Its tensile strength is excellent (EN ISO 13934-1) and water repellence of the fabric is 100% (EN 24920).

This product is available on request in the following sizes

INSIDE DIAMETERS AVAILABLE:

40mm, 60mm, 80mm, 100mm, 120mm



**SAFE-WRAP**





## SAFE STRIP

SAFE-STRIP bundles hose lines again and again.

It is produced from polypropylene and has Velcro® -brand fasteners. Maximum force of Safe-Strip is average of 1500 Nm

The buckle is stainless steel and this product is available in three versions

1. Velcro Fastener
2. Buckle Fastener
3. With or without fixing/mounting eyelet.

AVAILABLE FOR BUNDLES OF DIAMETER  
max: 70mm, 100mm, 125mm, 155mm, 180mm

White woven Safe-Strip logo.

Sales unit 10 pcs/ size.



SAFE-STRIP



## SAFE PLAST PRODUCTS | Standard Packages

### Coils

Diameter	Length	Package
12 mm	25 m	40 x 40 x 10 cm
16 mm	25 m	40 x 40 x 10 cm
20 mm	25 m	40 x 40 x 15 cm
25 mm	25 m	40 x 60 x 15 cm
25 mm	50 m	40 x 60 x 25 cm
32 mm	25 m	40 x 60 x 25 cm
32 mm	50 m	40 x 60 x 37 cm
40 mm	25 m	40 x 60 x 37 cm
50 mm	25 m	60 x 80 x 27 cm
50 mm	50 m	60 x 80 x 40 cm
63 mm	25 m	60 x 80 x 40 cm
75 mm	20 m	60 x 80 x 40 cm
90 mm	20 m	60 x 80 x 63 cm
110 mm	15 m	60 x 80 x 63 cm
140 mm	10 m	60 x 80 x 63 cm



### 6m long pieces

Diameter	Pieces	Package
20 mm	25 pcs	60 x 80 x 27 cm
25 mm	25 pcs	60 x 80 x 40 cm
32 mm	10 pcs	60 x 80 x 27 cm
32 mm	30 pcs	60 x 80 x 63 cm
50 mm	10 pcs	60 x 80 x 40 cm
75 mm	5 pcs	60 x 80 x 63 cm
90 mm	4 pcs	60 x 80 x 63 cm
110 mm	3 pcs	60 x 80 x 63 cm
140 mm	2 pcs	60 x 80 x 63 cm

### Plastic packages Pieces up to 2m

Diameter	Pieces
20 mm	25 pcs
20 mm	50 pcs
25 mm	25 pcs
25 mm	50 pcs
32 mm	25 pcs
32 mm	50 pcs
50 mm	25 pcs
50 mm	50 pcs
75 mm	20 pcs
90 mm	10 pcs
110 mm	10 pcs
140 mm	5 pcs

## SAFE TOOL For Easier Installation



Start by rotating the spiral 1-2 rounds onto the hose / hose bundle (if the spiral is long it is better to start from the middle).

Lift the spiral on top of the pin, the pin towards the mounting direction. Holding spring follows the hose. Turn the tool by its handle.

## Tolerance for Wall and Pitch | Material HDPE

Product	Ø Outer mm	Weight kg/m	Wall mm	Tolerance mm	Pitch mm	Tolerance mm
<b>Safe-Spiral</b>	20	0.09	2	± 0.3	20	± 1.3
<i>Flex-Spiral</i>	20	0.08	1.6	± 0.3	16	± 1.3
<b>Safe-Spiral</b>	25	0.15	2.2	± 0.3	25	± 1.3
<i>Flex-Spiral</i>	25	0.1	1.7	± 0.3	19	± 1.3
<b>Safe-Spiral</b>	32	0.19	2.5	± 0.4	22	± 1.5
<i>Flex-Spiral</i>	32	0.18	2	± 0.4	22	± 1.5
<b>Safe-Spiral</b>	40	0.3	2.7	± 0.4	24	± 1.7
<b>Safe-Spiral</b>	50	0.4	3.4	± 0.4	30	± 2.0
<i>Flex-Spiral</i>	50	0.35	2.6	± 0.4	24	± 2.0
<b>Mining spiral</b>	60	0.49	3	± 0.3	33	± 2.0
<b>Safe-Spiral</b>	63	0.65	3.7	± 0.4	37	± 2.0
<b>Safe-Spiral</b>	75	0.73	4.4	± 0.4	42	± 2.0
<i>Flex-Spiral</i>	75	0.65	3.2	± 0.4	35	± 2.0
<b>Safe-Spiral</b>	90	1.2	4.9	± 0.4	45	± 2.0
<b>Mining spiral</b>	110	1.28	4	± 0.4	42	± 2.0
<b>Safe-Spiral</b>	110	1.76	5.5	± 0.5	50	± 2.0
<b>Safe-Spiral</b>	140	2.5	6.5	± 0.6	50	± 2.0

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and  
Safety Systems

