

SAFE-SPIRAL hose protectors

- our standard plastic hose guards
- protect hydraulic and pneumatic hoses against abrasion, shocks, weather and general wearing and therefore prolong the life of your hoses
- offer an economical and quality choice for hose protection
- colour spirals make hoses more visible and prevent any possible accidents beforehand
- are easy to install and one size can be used to a large range of hose sizes thanks to the flexibility of Safe-Spirals

SAFE-SPIRALS are produced by extrusion from High Density Polyethylene. The advantages gained by using this method are superior breaking strength compared to spirals which are produced by cutting, and naturally rounded edges of the spiral.

SAFE-SPIRALS

- resistant to acids, oils and solvents
- contain antistatic additive
- flexible and easy-to-install
- UV-tolerant
- tolerate both frost and heat
- are recyclable



Abrasion resistance of Safe-Spirals is excellent and wearing minimal.



Recommended temperature range is from -50°C up to +80°C (continuous) and +100°C (shortly).

Outer diameters are available from 12 mm to 140 mm which equals to approximate usage range from hose OD 9 mm to 155 mm.

Colours:

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



Coils:

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



Pre-cut lengths:

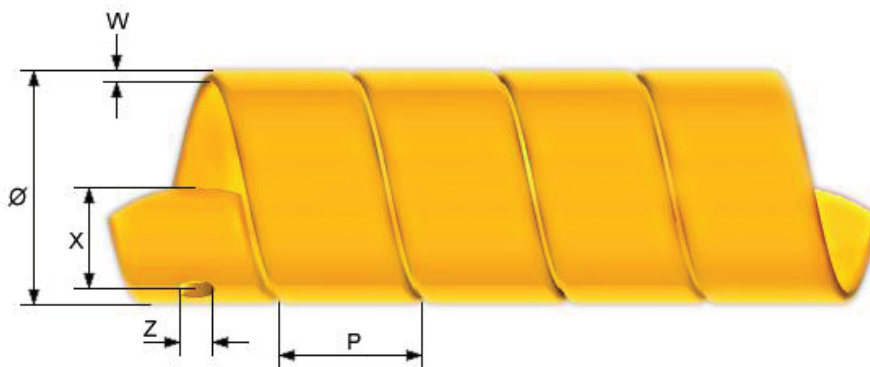
OD 12 – 50 mm	minimum length 500 mm,
OD 75 – 140 mm	minimum length 1000 mm

Maximum length for all diameters 6000 mm,
MOQ apply to all pre-cuts.

All pre-cut lengths are equipped with a rounded end and
a drill hole for lengthening and fastening purposes.



SAFE-SPIRAL – TECHNICAL INFORMATION



Material: High Density Polyethylene

Spirals open during storing and transportation but will return to the original shape once installed.

Coils do not have a hole at the ends.

Nominal outer / inner Ø	Recommended usage range Hose diameter mm / inch	Safeplast article no. for coils black / yellow	Coil length	Weight average kg / m	Wall W mm	Pitch P mm	Hole Ø Z mm
12 / 9.6 mm (ID ~0.38")	9 – 13 0.35 – 0.51"	012R25MU / 012R25KE	25 m	0.04	1.2	10	-
16 / 13.4 mm (ID ~0.52")	13 – 18 0.51 – 0.71"	016R25MU / 016R25KE	25 m	0.06	1.3	12	-
20 / 16.0 mm (ID ~0.63")	16 – 22 0.63 – 0.87"	020R25MU / 020R25KE	25 m	0.11	2.0	20	7
25 / 20.6 mm (ID ~0.81")	20 – 27 0.78 – 1.06"	025R25MU / 025R25KE	25 m	0.17	2.2	21	7
32 / 27.0 mm (ID ~1.06")	27 – 36 1.06 – 1.42"	032R25MU / 032R25KE	25 m	0.23	2.5	22	7
40 / 34.6 mm (ID ~1.36")	34 – 44 1.34 – 1.73"	040R25MU / 040R25KE	25 m	0.29	2.7	24	-
50 / 43.2 mm (ID ~1.70")	43 – 55 1.69 – 2.16"	050R25MU / 050R25KE	25 m	0.41	3.4	30	7
63 / 55.6 mm (ID ~2.19")	55 – 67 2.16 – 2.64"	063R25MU / 063R25KE	25 m	0.55	3.7	37	-
75 / 66.2 mm (ID ~2.60")	66 – 80 2.60 – 3.15"	075R20MU / 075R20KE	20 m	0.88	4.4	42	10
90 / 80.2 mm (ID ~3.16")	80 – 98 3.15 – 3.86"	090R20MU / 090R20KE	20 m	1.20	4.9	45	10
110 / 99.0 mm (ID ~3.90")	99 – 115 3.90 – 4.53"	110R15MU / 110R15KE	15 m	1.61	5.5	50	10
125 / 113.2 mm (ID ~4.46")	113 – 130 4.45 – 5.12"	125R12MU / 125R12KE	12 m	2.05	5.9	52	-
140 / 127.0 mm (ID ~5.00")	125 – 155 4.92 – 6.10"	140R10MU / 140R10KE	10 m	2.38	6.5	55	10

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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	60 x 40 x 15 cm
25 mm	50 m	60 x 40 x 25 cm
32 mm	25 m	60 x 40 x 25 cm
32 mm	50 m	60 x 40 x 38 cm
40 mm	25 m	60 x 40 x 38 cm
50 mm	25 m	80 x 60 x 28 cm
50 mm	50 m	80 x 60 x 43 cm
63 mm	25 m	80 x 60 x 43 cm
75 mm	20 m	80 x 60 x 43 cm
90 mm	20 m	80 x 60 x 63 cm
110 mm	15 m	80 x 60 x 63 cm
125 mm	12 m	80 x 60 x 63 cm
140 mm	10 m	80 x 60 x 63 cm



6 m pieces

Diameter	Pieces	Package
20 mm	4 pcs 25 pcs	40 x 40 x 15 cm 80 x 60 x 28 cm
25 mm	4 pcs 25 pcs	40 x 60 x 15 cm 80 x 60 x 43 cm
32 mm	4 pcs 10 pcs	40 x 60 x 25 cm 80 x 60 x 28 cm
50 mm	10 pcs	80 x 60 x 43 cm
75 mm	5 pcs	80 x 60 x 63 cm
90 mm	4 pcs	80 x 60 x 63 cm
110 mm	3 pcs	80 x 60 x 63 cm
140 mm	2 pcs	80 x 60 x 63 cm

Pieces up to 1.2 m

Diameter	Pcs / Package
20 mm	50 pcs
25 mm	50 pcs
32 mm	50 pcs
40 mm	25 pcs
50 mm	25 pcs
63 mm	20 pcs
75 mm	10 pcs
90 mm	10 pcs
110 mm	10 pcs
140 mm	5 pcs

TOLERANCES FOR OD, WALL AND PITCH

Product	Ø Outer mm	Tolerance mm	Wall mm	Tolerance mm	Pitch mm	Tolerance mm
Safe-Spiral	12	± 0.6	1.2	± 0.3	10.0	± 1.0
Safe-Spiral	16	± 0.8	1.3	± 0.3	12.0	± 1.2
Safe-Spiral	20	± 1.0	2.0	± 0.3	20.0	± 1.3
Safe-Spiral	25	± 1.5	2.2	± 0.3	21.0	± 1.5
Safe-Spiral	32	± 2.0	2.5	± 0.4	22.0	± 1.5
Safe-Spiral	40	± 2.0	2.7	± 0.4	24.0	± 2.0
Safe-Spiral	50	± 2.5	3.4	± 0.4	30.0	± 2.0
Safe-Spiral	63	± 3.5	3.7	± 0.4	37.0	± 2.0
Safe-Spiral	75	± 3.5	4.4	± 0.6	42.0	± 2.0
Safe-Spiral	90	± 4.5	4.9	± 1.0	45.0	± 2.0
Safe-Spiral	110	± 5.5	5.5	± 1.0	50.0	± 2.0
Safe-Spiral	125	± 6.5	5.9	± 1.0	52.0	± 2.0
Safe-Spiral	140	± 7.0	6.5	± 1.0	55.0	± 2.0
ECO-FLEX ECO-FLAT	16	± 1.3	1.5	± 0.3	11	± 1.0
ECO-FLEX ECO-FLAT	20	± 1.5	1.9	± 0.4	16	± 1.5
ECO-FLEX ECO-FLAT	25	± 2.0	2.2	± 0.4	18	± 1.0
ECO-FLEX ECO-FLAT	32	± 2.0	2.6	± 0.4	23	± 1.5
ECO-FLEX ECO-FLAT	40	± 3.0	2.7	± 0.5	24	± 1.0