

SPW-SGX (Spiralguard®) Spiral Wrap

Spiralguard® is a very popular product used for protecting hoses against abrasion and bundling hoses together. A key benefit is that it can be applied to the hose after assembly and can be easily removed for inspection (unlike products such as spring guards or sleeving).

Advantages:

- Can easily be fitted / removed on site for inspection, without needing to disconnect the hoses
- U.V. Resistant
- Exceptional anti-crushing and abrasion resistance
- Suitable for single or multiple hose bundles
- Rounded edges for safe and easy installation

Spiral Guard comes in 2 primary material types:

Standard product:

- Product code SPW-SGX-**XX** (XX=nominal external diameter in mm) If coloured, this is indicated at the end of the part number.
- Material: Medium-weight high density polyurethane (HDPE).
 - Excellent abrasion resistance but offers little resistance to flame.
 - Does not offer any electrical conductivity properties (it would create static electricity rather than dissipate it).
 - **Should NOT be used in underground coal mines.**
- Operating temperature: -50°C to +100°C

Fire Resistant Anti-Static (FRAS):

- Product code SPW-SGX-FRAS-**XX** (XX=nominal external diameter (OD) in mm)
- Fire resistant (ISO 8030)
- Electrically conductive (*anti-static*) (ISO 8031).
- Meets the requirements of the US Mine Safety and Health Administration (MSHA), under the Interim Fire Criteria (MSHA approval No. IC-213/2).
- **Suitable for underground coal mines:** Meets the requirements of AS 2660 / ISO 6805 for use in underground coal mines.
- Also suitable for gaseous or flammable environments.
- Operating temperature: -100°C to +100°C

Other Variants:

Other variants are available on request such as Fire Resistant (non-conductive), and colour options including: Green, Yellow, Red, Blue, Orange, Brown, Silver and White.

SPW-SGX (Spiralguard®) Spiral Wrap Technical Specifications

Part Code	Standard Box Quantity	Nominal Internal Diameter (ID)	Wrapping Range ¹	Colour Alternatives ² (Default colour: black)					FRAS ³ Alternative (MSHA)
	metres	mm	mm	Red	Yellow	Orange	Green	Blue	
SPW-SGX-12	20	9	9 – 12	✓	✓				✓
SPW-SGX-16	20	13	12 - 17	✓	✓		✓		✓
SPW-SGX-20	20	15	16 – 22	✓	✓	✓			✓
SPW-SGX-25	20	18.5	22 – 28	✓					✓
SPW-SGX-32	20	27	27 – 33	✓			✓	✓	✓
SPW-SGX-40	20	33	33 – 42	✓	✓			✓	✓
SPW-SGX-50	20	44	42 – 55						✓
SPW-SGX-63	20	47	52 – 65		✓				✓
SPW-SGX-75	20	65	65 – 80						✓
SPW-SGX-90	20	80	80-150						✓
SPW-SGX-110	10	135	150+						✓

¹ The wrapping range is intended as a guide. Please check the fit of the spiral wrap to ensure it is the correct one for your application.

² The colour alternatives given above are the common options available in stock. For other colour options, please contact us.

³ The normal "SPW-SGX" spiral wrap is **NOT** MSHA approved. Please see our "SPW-SGX-FRAS" range for the MSHA approved alternative.

**Spiral Wrap Length
Calculation Formula:**
(estimation)

$$\text{length of spiral wrap (m)} = \frac{\text{OD of hose}}{\text{Nominal ID of spiral wrap}} \times \text{length of hose (m)}$$