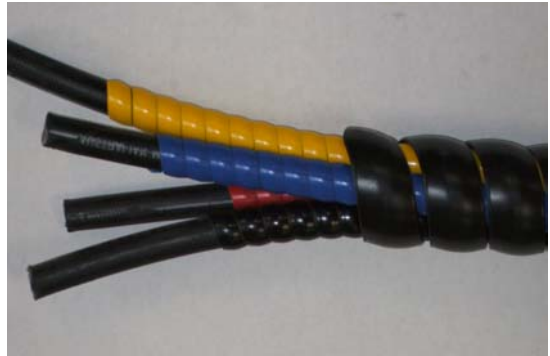


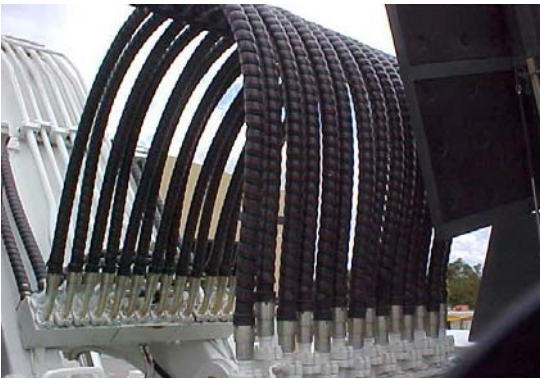
# Spiral Guard™

The world leader in hose guard technology



Spiral Guard is available in a wide range of sizes. From SGX12 (12mm) for use on electrical looms through to SGX110 (110mm) for use on hydraulic hose looms.

Colours include Black and Yellow on all sizes and Red and Blue are available as a stock item up to SGX40.



Spiral Guard resins are medium molecular weight, high density polyethylene copolymers that offer excellent combination of toughness, stress cracking resistance, load bearing strength and processability characteristics.

The other applications of these resins include; household and industrial containers for chemicals, automotive supplies, foodstuffs, toiletries and cosmetics.

With this in mind, you can see that this product is safe to handle and poses no risk to persons handling this product.

Spiral Guard is a light weight product that is a cost effective way of protecting your hoses and cables from abrasion and impact.

Because of the expanding nature of the product it is possible to wrap individual hoses as well as bundles of hoses in a loom.

The product has been designed with rounded edges for ease of fitment and no sharp edges means no chance of cutting the hose.

Along with the standard product we offer two MSHA approved alternatives of spiral guard. These are Flame Retardant (FR) and Flame Retardant anti static (FRAS). The product specifications for these are the same as our standard product.

The FRAS product was developed with the underground coal mines in mind, but its anti static capacity is welcomed by the oil and gas producers and distributors.

International Compliance include standards required in underground coal mines (EN ISO 6805) with tests 8030 and 8031.



# SPIRAL GUARD PRODUCT FITTING CHARTS

Part Number	Hose OD Range
SGX12	9mm-12mm
SGX16	12mm-17mm
SGX20	16mm-22mm
SGX25	22mm-28mm
SGX32	27mm-33mm
SGX40	33mm-42mm
SGX50	42mm-55mm
SGX63	52mm-65mm
SGX75	65mm-80mm
SGX90	80mm-150mm
SGX110	150mm +

PART NUMBER	ID (MM)		WALL THICKNESS (MM)		BAND WIDTH (MM)	
SGX 12	9	+ OR - 0.5	2	+ OR - 0.25	11	+ OR - 0.5
SGX 16	12	+ OR - 0.5	2.25	+ OR - 0.25	13	+ OR - 0.5
SGX 20	15	+ OR - 0.5	2.5	+ OR - 0.25	15.5	+ OR - 0.5
SGX 25	19	+ OR - 0.5	2.75	+ OR - 0.25	19	+ OR - 0.5
SGX 32	23	+ OR - 0.5	3.5	+ OR - 0.25	23	+ OR - 0.5
SGX 40	30.5	+ OR - 1.0	4.25	+ OR - 0.25	29	+ OR - 1.0
SGX 50	38	+ OR - 1.0	4.25	+ OR - 0.25	36	+ OR - 1.0
SGX 63	47	+ OR - 1.0	5.5	+ OR - 0.25	39.5	+ OR - 1.0
SGX 75	61	+ OR - 1.0	6	+ OR - 0.25	44	+ OR - 1.0
SGX 90	70.5	+ OR - 1.0	7	+ OR - 0.25	51	+ OR - 1.0
SGX 110	84	+ OR - 1.0	7.5	+ OR - 0.25	56	+ OR - 1.0

## SPIRAL GUARD SELECTION

- Layout hoses that need to be wrapped
- Measure length X and Y
- Find nominal diameter of hoses using formula  $\frac{1}{2}(X+Y) = Z$
- Refer to sizing chart to select correct size of Spiral Guard
- Find ID of the selected Spiral Guard ( S )
- Divide S by Z to determine ratio ( R )
- Measure the length of the hoses to be wrapped ( Q )
- Multiply Q x R to give you the approximate length of spiral guard required to cover the hoses.

