



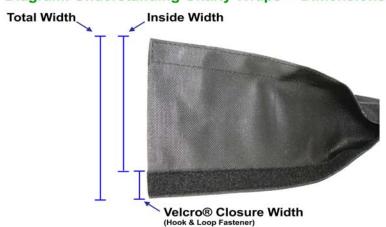
INDUSTRIAL PROTECTIVE PRODUCTS

Gnarly Wraps™ Hose & Cable Sleeve Specifications

Column 1	Column 2			
ID / Reference Size Order this size Gnarly Wrap™ Based on Bundle Circumference	Inside Width / MAXIMUM Bundle Circumference	Hook & Loop Closure Width	Total Width (Including hook & Loop) Measured Laying Flat	Webbing Trim Option (number of 1_1/2" webbing strips that are able to be sewn length-wise onto the sleeve
Found in the column to the right	Round UP to nearest size		, 3	for content identification or visibility purposes.)
0.75"	3.49"	1.0"	4.50"	1
1.0"	4.49"	1.0"	5.50"	1
1.5"	5.99"	1.0"	7.00"	1
2.0"	7.49"	1.0"	8.50"	2
2.5"	9.24"	1.0"	10.25"	2
3.0"	10.99"	1.0"	12.00"	3
3.5"	11.99"	1.5"	13.50"	3
4.0"	13.99"	1.5"	15.50"	3
4.5"	15.49"	1.5"	17.00"	3
5.0"	16.99"	1.5"	18.50"	3
5.5"	17.99"	2.0"	20.00"	3
6.0"	19.99"	2.0"	22.00"	4
6.5"	21.74"	2.0"	23.75"	4
7.0"	23.49"	2.0"	25.50"	4
7.5"	25.24"	2.0"	27.25"	4
8.0"	26.99"	2.0"	29.00"	4
8.5"	26.49"	4.0"	30.50"	4
9.0"	27.99"	4.0"	32.00"	4
10.0"	31.99"	4.0"	36.00"	5
12.0"	35.50"	4.0"	41.50"	6
14.0"	44.00"	4.0"	48.00"	8
16.0"	50.00"	4.0"	54.00"	8
18.0"	56.00"	4.0"	60.00"	9

Note: Specifications are subject to change without notice. All measurements are approximate within 0.150" + -

Diagram: Understanding Gnarly Wraps™ Dimensions



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Purchasing Information: Gnarly Wraps ** Reusable Hose	Gilai	ose & Cable Sleeve	
& Cable Protector Sleeves - Made from 1050 Denier Ballistic Nylon Fabric	Column 1	Column 2	Measuring to Fit Gnarly Wraps™ to Hose Bundle / Cable Bundle
Sleeve Length: (Feet) (up to 150 ft. long) Call Us If you need a length that is not listed	ID / Reference Size Order this size Gnarly Wrap™	Inside Width /	6.12"+-
Select Length	Based on Bundle Circumference	Bundle Circumference	Company of the second
Sleeve Inner Diameter: (Inches) (up to 8 inches ID) Call Us if you need a Width that is not listed. See Specifications below	Found in the column to the right 0.75"	Round UP to nearest size 3.49"	177
	1.0"	4.49"	
	1.5"	5.99"	
Color Coding Trim: \$\$ (Optional Feature) elect type & color of 1_1/2" webbing trim you want even the full lendth of you Gnatri Wran™ (I leed for	2.0"	7.49"	Nasa
	2.5"	9.24"	Sev-
	3.0"	10.99"	Maha
	3 E.,	11 QQ"	EXAMPLE

Determining the Correct WIDTH for a Gnarly Wrap™

If covering a bundle of more than one hose or cable with a single Gnarly Wrap™, then attention must be given to the shape of the hose / cable bundle, as this will affect the circumference of the bundle and thus the sizing of the Gnarly Wrap™

It is recommended to bundle the hoses and cables into a configuration that is as close to circular as possible, this is usually considered good practice. Engineering specifications for your particular application may call for hoses and cables to be bundled in a different configuration. Always adhere to the particular engineering specifications of your application.

Keep in mind: We reference and sell all Gnarly Wraps™ by INNER DIAMETER. (Column 1 on the specification chart) You must calculate this INNER DIAMETER from the specification chart according to these directions.

Always round up to the next larger size of Gnarly Wrap™ based on your circumference measurement, in order to allow for the bend radius of the cable bundle, especially with the larger sizes.

Directions:

- 1. Use a tape measure or a string to measure the Maximum Bundle Circumference of the whole hose / cable bundle you are trying to fit with a single Gnarly Wrap™
- 2. Consult the Gnarly Wraps™ specification chart, and compare the measurement you took, in the Maximum Bundle Circumferences listed in Column 2 "Inside Width / MAXIMUM Bundle Circumference"
- 3. Select correct Gnarly Wrap $^{\text{TM}}$ size in from the corresponding row in Column 1 "ID / Reference size" based on the nearest larger size from Column 2.

Example: if the measured maximum circumference of your hose / cable bundle is 6 inches or slightly larger, the corresponding Reference Size (from column 1) is 2.0 inches ID/ Reference Size, this 2.0 Gnarly Wrap™ size will properly accommodate hose / cable bundles up to 7.49 inches in circumference.

Determining the Correct Length for a Gnarly Wrap™

Determining the correct length for Gnarly Wrap™ is pretty straight forward, it is typically the same measurement of the straight length of the run of hose(s) / cable(s) that you intend to cover.

Example: if your hose / cable run is 50 feet, you need a Gnarly Wrap[™] 50 feet long.

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