

See our NEW PRODUCTS:
Bend Restrictors (p19) & RHINO FireSleeve (p25)

IT'S NOT TOUGH, UNLESS IT'S **RHINO TOUGH!**

SRM INDUSTRIES INC.

THE TOUGHEST HOSE PROTECTION PRODUCTS ON THE PLANET... **PERIOD!**

RHINO Sleeve™ HT



RHINO Sleeve™ Dispenser



RHINO Blue Vinyl Wrap™



RHINO Wrap™



RHINO Spring Guard™



RHINO Guard™ HD



RHINO Bend Restrictor™



RHINO Orange Drip Proof Plugs™



RHINO Cinch Strap™



RHINO Hanging Strap™



RHINO Grip™



RHINO Hide™



RHINO Shield™



RHINO Drip Proof Plugs™



RHINO Firesleeve™



RHINO FRAC Pad™





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

INDUSTRIAL APPLICATIONS FOR SRM PRODUCTS

THE TOUGHEST HOSE PROTECTION PRODUCTS ON THE PLANET...
PERIOD!

www.rhinosleeve.com



Agriculture



Chemical Plants



Coal Mining



Strip Mining



Railway



Robotics



Transportation



Waste Management



Welding



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

INDUSTRIAL APPLICATIONS FOR SRM PRODUCTS

IT'S NOT TOUGH, UNLESS IT'S **RHINO TOUGH!**



Construction



Energy / Utilities



Fracking



Forestry / Logging



Manufacturing



Marinas



Oil / Gas Extraction



Petroleum



Quarrying



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

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SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

LETTER FROM THE PRESIDENT

A Letter From the President....



SRM Industries Inc. was established in 2005 and has been growing steadily every year since its inception.

The members of SRM Industries Inc. staff have 120+ years of combined experience in the Hydraulic Hose and Accessory Industry and manufacturing background.

We at SRM Industries Inc. customize solutions to meet the needs of our customer/partner's applications thereby helping our customer/partner's achieve their own successes.

Our **RHINOSLEEVE HT**, **RHINO CINCH STRAP** and **RHINO HANGING STRAP** products can be private labeled for our customer/partners and their customer's requirements at an additional charge.

SRM INDUSTRIES INC.:

- Is a 100% woman owned business.
- Was established in 2005 with our first office in Lake Forest, Illinois.
- In 2011 we added our 2nd office and warehouse in Houston, Texas.
- In 2012 we doubled our warehouse space at our Houston distribution center.
- In 2014 we tripled our warehouse space at our Houston distribution center to better service our customers needs.
- In March 2016 we opened our joint shared warehouse in Santa Fe Springs, CA with our new rep agency D&D Sales.
- On January 3, 2018, we quadrupled our warehouse space at our Houston Distribution center.
- In April 2019 with our continued growth we have again expanded our Houston distribution location for the 5th time to serve our valued distributor and OEM partners.

Please contact us for additional information and learn how we can do business together.

Sincerely,
Mary Jacobsen
Owner/President





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SLEEVE™ HT

**Toughest Hose Protection...
Anything Else is a Compromise**



PART #	Min. Inside Dia.		Max. Inside Dia.	
	In.	Mm.	In.	Mm.
RS-68HT	0.68	17	0.84	21
RS-79HT	0.79	20	0.95	24
RS-91HT	0.91	23	1.03	26
RS-98HT	0.98	25	1.10	28
RS-106HT	1.06	27	1.18	30
RS-122HT	1.22	31	1.34	34
RS-142HT	1.42	36	1.54	39
RS-157HT	1.57	40	1.73	44
RS-163HT	1.63	41	1.79	45
RS-173HT	1.73	44	1.89	48
RS-185HT	1.85	47	2.01	51
RS-209HT	2.09	53	2.25	57
RS-219HT	2.19	55	2.35	60
RS-238HT	2.38	60	2.54	65
RS-262HT	2.62	66	2.78	70
RS-288HT	2.88	73	3.04	77
RS-315HT	3.15	80	3.31	84
RS-366HT*	3.66	93	3.82	97
RS-394HT*	3.94	100	4.10	105
RS-441HT*	4.41	112	4.57	116
RS-494HT*	4.94	125	5.10	130
RS-550HT*	5.50	140	5.66	144

See Cross Reference Chart on page 5
Sold in 300FT (91.44 Meters) Rolls • Standard Roll is 3 pieces maximum
* These sizes are available in cut lengths

Chemical Compatibility

Meets RoHS • Meets California Prop 65

Gasoline	Very Good
Oil	Very Good
Mineral & Vegetable Oil	Very Good
Ionic Metallic Solutions	Very Good
Alcohols	Very Good
Diluted Bases	Very Good
Diluted Acids	Good
Benzene	Very Good
Acetone	Very Good
Ether	Very Good
Carbon Tetrachloride	Very Good
Chlorine Based Solvents	Very Good
Mold, Bacteria, Moths	Very Good
Strong & Concentrated Acids	May Have Some Corrosive Action

MATERIAL SPECIFICATIONS

Melting Point: 480°F/248°C
Denier: 1300
Material: Proprietary Engineered Fabric
Dim. Stability: Great resistance to sun, atmospheric agents and aging
Toxicity: Non-Toxic

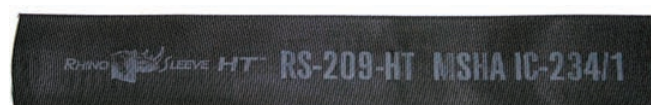
FEATURES & BENEFITS

- Meets new line of sight operator specification EN982 ISO norm 833 EN414
- Meets Australian MDG41 specifications for mining applications
- Meets California Prop 65
- Meets RoHS
- Ultra tight construction contains oil spillage from pin hole leaks
- Tight, smooth surface to resist water
- 50% less bulky than Cordura
- Densely twisted proprietary engineered fabric offers optimum UV & abrasion protection
- MSHA# IC-234/1
- Meets abrasion standard ISO 6945
- Meets Fed-STD191-Test Method 5309 for abrasion
- Meets ASTM D6770 for abrasion resistance of textile webbing
- Meets conductivity requirements of ISO 8031
- Cut to length

Manufactured in the USA for SRM Industries Inc.

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

Proper use of product is the sole responsibility of the user.





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SLEEVE™ HT

Protecting people and your product from the effects of hose failure.

SRM's **RHINO SLEEVE™ HT SLEEVING** is designed to provide protection against hydraulic hose failure by containing pressure and fluids that may escape during a hose burst or pinhole leak. With this new line of sight sleeving which meets industry standards, both equipment operators and the environment are guarded from the effects of hose failures.

Benefits when sized properly through 1 inch I.D. hydraulic hose:

BURST PRESSURE: Capable to contain hose burst up to 20,000 p.s.i.

PIN HOLE LEAK: Handles a 1mm pin hole leak up to 4,000 p.s.i.

ABRASION TESTING: Tested to over 250,000 abrasion cycles using ISO Testing 6945



See Cross Reference Chart on page 5 for proper sizing

RHINO SLEEVE™ HT Sleeve Selection as per Hose Dash Size*

1. Select the correct sleeve I.D. for the hose, refer to table for sleeve I.D. to Hose O.D.. ratio per hose dash size.
For example:
Selecting -8 hydraulic hose (1/2" I.D.)
2. The Sleeve I.D. to use from the chart on the right is: 1.50, then multiply your selected Hose O.D. times the number from the chart to equal (=) the Selected Sleeve I.D.
3. Then select the RHINOSLEEVE HT part number whose I.D. is closest to the calculated I.D.

* Sleeve should be cut 2-3 inches longer than hose length.

* Proper use of product is the sole responsibility of the user

Hose Dash Size	Sleeve I.D. to Hose O.D. Ratio
-4	1.44
-6	1.45
-8	1.50
-10	1.55
-12	1.55
-16	1.55
-20	1.60
-24	1.63
-32	1.65



Actual picture of pin hole burst dispersion pattern at 4,000 P.S.I.



Close up of **RHINO SLEEVE™ HT** sleeving after pin hole burst



INDUSTRIES USING OUR PRODUCTS

- Agriculture
- Coal Mining and Processing
- Construction
- Energy / Utilities
- Forestry / Logging
- Fracking
- Machinery Manufacturing
- Manufacturing General
- Marinas
- Mining Quarrying
- Oil / Gas Extraction
- Petroleum
- Railway
- Transportation
- Waste Management



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SLEEVE™ DISPENSER

FEATURES & BENEFITS

RHINO SLEEVE™ DISPENSER will hold up to five 300FT (91.44 meter) rolls of RHINOSLEEVE HT
RHINO SLEEVE Dispenser Part Number 102277

- Keep Tubular sleeve organized & tangle free
- Easily mounted to a wall or set on a shelf
- Cut sleeve to length without getting the spiral effect
- A must for hose assembly shops & parts departments
- Includes all hardware to adjust dividers

Manufactured in the USA for SRM Industries Inc.



Proper use of product is the sole responsibility of the user.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SLEEVE® HT

CROSS REFERENCE CHART

Meets CA Prop 65
↓ Meets RoHS ↓

Meets CA Prop 65
↓ Meets RoHS ↓

SRM P/N	I.D.	Aeroquip P/N:	I.D.	Atlantex P/N:	I.D.	Dixon P/N:	I.D.	Gates P/N	I.D.	Parker P/N	I.D.	Southern Weave	I.D.	Tompkins P/N	I.D.	Weather Head P/N	I.D.	SRM P/N	I.D.
RS-68HT	0.68			TF11800-30	0.69			HG-10	.68	AS-B-11	0.69	1236ZN106	0.71	NHS-071	0.71			RS-68HT	0.68
		FC425-12	0.71																
RS-79HT	0.79			TF12800-30	0.75									NHS-077	0.77			RS-79HT	0.79
										AS-B-13 & PS-B-13	0.86	1236ZN108	0.82						
RS-91HT	0.91	FC425-15	0.92	TF14800-30	0.88	DHS-90-300	0.90	HG-14	.90			1236ZN116	0.92	NHS-090	0.90	A4900	0.90	RS-91HT	0.91
RS-98HT	0.98	FC425-16	1.00	TF16800-30	1.00	DHS-100-300	1.00					1236ZN121	1.00	NHS-100	1.00			RS-98HT	0.98
RS-106HT	1.06							HG-16	1.06	AS-B-15 & PS-B-15	1.06					A4901	1.06	RS-106HT	1.06
		FC425-18	1.13	TF18800-30	1.12	DHS-106-300	1.13					1236ZN128	1.13	NHS-114	1.14				
RS-122HT	1.22	FC425-20	1.25					HG-20	1.22	AS-B-17 & PS-B-17	1.22	1236ZN204	1.21			A4902	1.22	RS-122HT	1.22
				TF20800-30	1.25	DHS-122-300	1.25			AS-B-19	1.35	1236ZN201	1.25	NHS-125	1.25	A4903	1.35		
												1236ZN206	1.33	NHS-130	1.30				
						DHS-138-300	1.42												
RS-142HT	1.42			TF22800-30	1.37	DHS-142-300	1.46	HG-24	1.42	AS-B-22 & PS-B-22	1.42	1236ZN208	1.46	NHS-138	1.38			RS-142HT	1.42
												1236ZN216	1.42						
RS-157HT	1.57	FC425-24	1.59	TF24800-30	1.50			HG-26	1.59			1236ZN218	1.58	NHS-153	1.53			RS-157HT	1.57
RS-163HT	1.63					DHS-159-300	1.58			AS-B-27	1.63			NHS-159	1.59	A4904	1.66	RS-163HT	1.63
RS-173HT	1.73	FC425-28	1.75	TF28800-30	1.75	DHS-175-300	1.78							NHS-175	1.75			RS-173HT	1.73
RS-185HT	1.85			TF30800-30	1.88	DHS-181-300	1.91	HG-28	1.81	AS-B-33 & PS-B-33	1.81	1236ZN226	1.78	NHS-185	1.85	A4905	1.81	RS-185HT	1.85
												1236ZN300	1.91						
RS-209HT	2.09	FC425-32	2.07	TF32800-30	2.00							1236ZN310	2.06	NHS-207	2.07			RS-209HT	2.09
RS-219HT	2.19			TF35800-30	2.19	DHS-219-300	2.18	HG-32	2.19	PS-B-35	2.19	1236ZN320	2.18			A4906	2.19	RS-219HT	2.19
				TF36800-30	2.25									NHS-225	2.25				
RS-238HT	2.38	FC425-38	2.38			DHS-238-300	2.38	HG-38	2.38	AS-B-37 & PS-B-37	2.38	1236ZN326	2.38	NHS-238	2.38			RS-238HT	2.38
		FC425-40	2.54	TF-40800-30	2.50							1236ZN402	2.54	NHS-254	2.54				
RS-262HT	2.62			TF42800-30	2.62	DHS-263-300	2.65	HG-42	2.62	PS-B-39	2.63	1236ZN408	2.65	NHS-264	2.64	A4907	2.62	RS-262HT	2.62
																A4908	2.80		
RS-288HT	2.88	FC425-46	2.86	TF44800-30	2.75	DHS-288-300	2.86	HG-46	2.88	PS-B-45	2.88	1236ZN418	2.86	NHS-286	2.86			RS-288HT	2.88
												1236ZN424	2.93	NHS-296	2.96				
RS-315HT	3.15			TF48800-30	3.00					PS-B-47	3.13							RS-315HT	3.15
		FC425-54	3.34	TF52800-30	3.25							1236ZN510	3.34	NHS-334	3.34				
RS-366HT	3.66	FC425-59	3.66	TF58800-30	3.62	DHS-366-300	3.65			AS-B-58	3.63	1236ZN526	3.65	NHS-366	3.66			RS-366HT	3.66
RS-394HT	3.94									AS-B-64	4.00							RS-394HT	3.94
RS-441HT	4.41							HG-64	4.40			1236ZN700	4.40					RS-441HT	4.41
RS-494HT	4.94											1236ZN801	5.06					RS-494HT	4.94
RS-550HT	5.50											1236ZN904	5.76					RS-550HT	5.50



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SPIRAL GUARD™ HD

MATERIAL

- High Density Polyethylene

FEATURES

- Easy to install on loose or mounted hose & cables
- Strong, Flexible, Light Weight
- UV Resistant
- Beveled Edges for Safety
- **Temperature Range:** -40°F to +280°F (-40°C to +137°C)
- Meets California Prop 65
- Meets RoHS

USES

- Preventing hose wear due to friction & abrasion
- Protecting hoses from external forces & harsh environments
- Bundling hoses, cables
- Colors for providing "HIGH" visibility
- Tree Sapling Hose Cover Protection

INDUSTRIES USING OUR PRODUCTS

- | | |
|------------------------------|------------------------|
| • Chemical Plants | • Marinas |
| • Coal Mining and Processing | • Mining / Quarrying |
| • Construction | • Oil / Gas Extraction |
| • Energy / Utilities | • Petroleum |
| • Forestry / Logging | • Railway |
| • Machinery Manufacturing | • Robotics |
| • Manufacturing General | • Transportation |
| | • Waste Management |



Manufactured in the USA for SRM Industries Inc.

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

Proper use of product is the sole responsibility of the user.





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SPIRAL GUARD™ HD

Meets California Prop 65 & RoHS

SRM Part Number	I.D. Inches	Hose O.D. Range Opening	
		In.	Mm.
RSG-38HD	0.380	0.39 - 0.66	10 - 17
RSG-50HD	0.500	0.47 - 0.86	12 - 22
RSG-62HD	0.620	0.62 - 1.06	16 - 27
RSG-95HD	0.875	0.86 - 1.37	22 - 35
RSG-1.125HD	1.000	1.06 - 1.69	27 - 43
RSG-1.50HD	1.500	1.30 - 2.17	33 - 55
RSG-1.75HD	1.750	1.75 - 2.52	42 - 64
RSG-2.25HD	2.000	2.05 - 2.95	52 - 75
RSG-2.62HD	2.625	2.56 - 3.80	65 - 97
RSG-3.00HD	3.000	3.15 - 4.30	80 - 110
RSG-4.00HD	4.000	3.80 - 4.90	94 - 125
RSG-5.00HD	5.000	4.80 - 6.00	122 - 152
RSG-6.00HD	6.000	5.70 - 7.00+	145 - 178

See Cross Reference Chart on page 9

Add Color suffix after Part Number:
Y=Yellow, R=Red,
BL=Blue: i.e.:
RSG-1.50HDBL is for Blue Spiral Wrap

Manufactured in the USA for SRM Industries Inc.

Formula for determining length of RHINO SPIRAL GUARD HD

If you have a 35 foot hose with an O.D. of 1.57 inches you would use RSG-1.50HD with an I.D. of 1.50 inches and you would need 42.27 ft

Formula: Hose O.D. divided by RHINO SPIRAL GUARD HD X hose length

Equals: 1.57 divided by 1.50 x 35 feet = 42.27 inches

Nominal Dimensions for RHINO SPIRAL GUARD HD:

SRM Part Number	I.D.		Wall Thickness		Helix Width		Box Footage	
	In.	Mm.	In.	Mm.	In.	Mm.	Ft.	M.
RSG-38HD	0.38	10	0.040	1.00	0.40	10	20 & 27	6.096-8.23
RSG-50HD	0.50	12.7	0.040	1.00	0.48	12	66 & 100	20.1 & 30.48
RSG-62HD	0.62	15.7	0.050	1.27	0.57	14.5	66 & 100	20.1 & 30.48
RSG-95HD	0.875	22.2	0.067	1.70	0.82	21	66 & 100	20.1 & 30.48
RSG-1.125HD	1.00	25	0.090	2.3	0.94	24	66 & 100	20.1 & 30.48
RSG-1.50HD	1.50	38	0.090	2.3	1.18	30	66 & 100	20.1 & 30.48
RSG-1.75HD	1.75	44.5	0.120	3.0	1.38	35	66 & 100	20.1 & 30.48
RSG-2.25HD	2.00	50	0.140	3.5	1.57	40	66 & 100	20.1 & 30.48
RSG-2.62HD	2.63	67	0.150	3.8	1.60	40	66	20.1
RSG-3.00HD	3.00	76	0.180	4.6	1.78	45	66	20.1
RSG-4.00HD	4.00	102	0.220	5.6	2.17	55	40	12.19
RSG-5.00HD	5.00	127	0.220	5.6	2.17	55	27	8.23
RSG-6.00HD	6.00	152	0.220	5.6	2.36	60	20	6.096



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SPIRAL GUARD™ LIGHT DUTY

MATERIAL

Made with virgin low density polyethylene

Color: Black

PACKAGING

Available in 50ft boxes

FEATURES

- **RHINO SPIRAL GUARD LIGHT DUTY** is designed to wrap around bundles to make neat looms and protect the conductors
- **RHINO SPIRAL GUARD LIGHT DUTY** will accommodate a large range of diameters and allows break outs at any point
- Meets California Prop 65
- Meets RoHS



SRM P/N:	Internal Dimensions		External Dimensions		Wall Thickness	
	ID In.	ID Mm.	OD In.	OD Mm.	In.	Mm.
RSG-38LD	0.40	11	0.50	12.70	0.040	1.00
RSG-50LD	0.55	14	0.63	16.02	0.040	1.00
RSG-62LD	0.69	17.5	0.79	20.07	0.050	1.27
RSG-95LD	0.95	24.2	1.00	25.40	0.067	1.78

Standard Box size: 100 feet



Manufactured in the USA for SRM Industries Inc.

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

Proper use of product is the sole responsibility of the user.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SPIRAL GUARD™ HD

Meets CA Prop 65
↓ Meets RoHS ↓

CROSS REFERENCE CHART

Meets CA Prop 65
↓ Meets RoHS ↓

SRM P/N:	ID	Opening Range in Inches	Available Lengths in Feet	Aeroquip P/N:	I.D.	Dixon P/N:	I.D.	F & R P/N:	I.D.	Gates P/N:	I.D.	SRM P/N:
				900952-4	0.24							
RSG-38HD	0.38	.38-.66	165	900952-6	0.37					1174	0.38	RSG-38HD
RSG-50HD	0.50	.47-.86	66/100	900952-8	0.49	NFSGX16	0.45	93050	0.50	1175	0.50	RSG-50HD
RSG-62HD	0.63	.62-1.06	66/100	900952-10	0.63	NFSGX20	0.55	93063	0.63	1176	0.63	RSG-62HD
RSG-95HD	0.75	.86-1.37	66/100	900952-12	0.83	NFSGX25	0.80	93075	0.75	1177	0.84	RSG-95HD
RSG-1.125HD	1.13	1.06-1.69	66/100	900952-27	1.06	NFSGX32	1.00	93100	1.00	1178	1.06	RSG-1.125HD
RSG-1.50HD	1.50	1.30-2.17	66/100	900952-22	1.34	NFSGX40	1.25	93125	1.25	1179	1.34	RSG-1.50HD
RSG-1.50HD	1.50	1.30-2.17	66/100	900952-30	1.58	NFSGX50	1.50	93150	1.50			RSG-1.50HD
RSG-1.75HD	1.75	1.65-2.52	66/100			NFSGX63	2.00	93200	2.00	1180	1.73	RSG-1.75HD
RSG-2.25HD	2.25	2.05-2.95	66			NFSGX75	2.40	93250	2.50	1181	2.17	RSG-2.25HD
RSG-2.62HD	2.63	2.56-3.80	66			NFSGX90	2.83	93300	3.00	1182	2.60	RSG-2.62HD
RSG-3.00HD	3.00	3.15-4.30	66			NFSGX110	3.43	93350	3.50	1183	3.10	RSG-3.00HD
RSG-4.00HD	3.90	3.80-4.90	40					93400	4.00	1184	3.90	RSG-4.00HD
RSG-5.00HD	5.00	4.80-6.00	27					93500	5.00			RSG-5.00HD
RSG-6.00HD	6.00	5.70-7.00+	20					93600	6.00			RSG-6.00HD

Meets CA Prop 65
↓ Meets RoHS ↓

Meets CA Prop 65
↓ Meets RoHS ↓

SRM P/N:	ID	Opening Range in Inches	Available Lengths in Feet	Parker P/N:	ID.	Pigs Tail P/N:	I.D.	Tompkins ProWrap Plus Extreme Duty P/N:	ID	Weather Head P/N:	I.D.	SRM P/N:
RSG-38HD	0.38	.38-.66	165			R12SSG	0.40	PWP-12	0.375			RSG-38HD
RSG-50HD	0.50	.47-.86	66/100			R16SSG	0.45	PWP-16	0.500	A9900	0.492	RSG-50HD
RSG-62HD	0.63	.62-1.06	66/100	HG-075	0.75	R20SSG	0.55	PWP-20	0.625	A9901	0.668	RSG-62HD
RSG-95HD	0.75	.86-1.37	66/100	HG-100	1.00	R25SSG	0.80	PWP-25	0.830			RSG-95HD
RSG-1.125HD	1.13	1.06-1.69	66/100	HG-125	1.25	R32SSG	1.00	PWP-32	1.060	A9902	1.014	RSG-1.125HD
RSG-1.50HD	1.50	1.30-2.17	66/100	HG-150	1.50	R40SSG	1.26	PWP-40	1.340	A9903	1.600	RSG-1.50HD
RSG-1.75HD	1.75	1.65-2.52	66/100	HG-200	2.00	R50SSG	1.50	PWP-50	1.730			RSG-1.75HD
RSG-2.25HD	2.25	2.05-2.95	66			R63SSG	2.00	PWP-63	2.170			RSG-2.25HD
RSG-2.62HD	2.63	2.56-3.80	66			R75SSG	2.40	PWP-75	2.600	A9904	2.457	RSG-2.62HD
RSG-3.00HD	3.00	3.15-4.30	66	HG-350	3.50	R90SSG	2.83	PWP-90	3.110	A9905	3.065	RSG-3.00HD
RSG-4.00HD	3.90	3.80-4.90	40			R110SSG	3.43	PWP-110	3.900			RSG-4.00HD
RSG-5.00HD	5.00	4.80-6.00	27			R140SSG	5.07	PWP-140	5.070			RSG-5.00HD
RSG-6.00HD	6.00	5.70-7.00+	20			R160SSG	5.87	PWP-160	6.000			RSG-6.00HD



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO GRIP™ RHINO SPRING GUARD™



FEATURES & BENEFITS

- Pre-cut **RHINO GRIP** shrink tubing with adhesive lining for permanent sleeve attachment
- Eliminate sharp edges from clamps & cable ties
- Meets California Prop 65
- Meets RoHS

SRM P/N	Pre Shrink I.D.		Stock Length	
	In.	Mm.	In.	Mm.
RG-11	1.10	28	6	152.4
RG-17	1.73	44	6	152.4
RG-27	2.70	69	6	152.4
RG-35	3.50	89	6	152.4
RG-11 X 4 FT	1.10"x4'	28mm x 1.22M	4ft	1.22M
RG-17 X 4 FT	1.73"x4'	44mm x 1.22M	4ft	1.22M
RG-27 X 4 FT	2.70"x4'	69mm x 1.22M	4ft	1.22M
RG-35 X 4 FT	3.50"x4'	89mm x 1.22M	4ft	1.22M

Shrink Ratio: 3:1
 Color: Black
 Available in cut lengths
 Available in longer lengths



Manufactured in the USA for SRM Industries Inc.

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

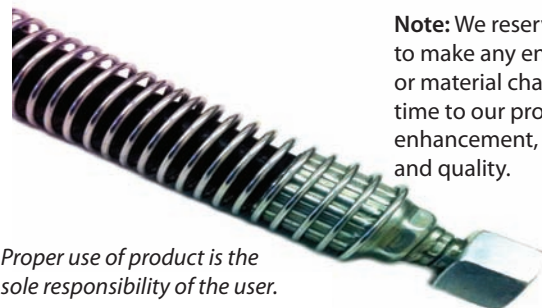
Proper use of product is the sole responsibility of the user.



Meets California Prop 65 • Meets RoHS

SRM P/N	Min. Inside Dia.		Stock Length	
	In.	Mm.	Ft.	M.
RSP-53	0.53	13	20	6.10
RSP-61	0.61	15	20	6.10
RSP-66	0.66	17	20	6.10
RSP-75	0.75	19	20	6.10
RSP-84	0.84	21	20	6.10
RSP-91	0.91	23	20	6.10
RSP-99	0.99	25	20	6.10
RSP-105	1.05	26	20	6.10
RSP-134	1.34	34	20	6.10
RSP-164	1.64	41	20	6.10
RSP-188	1.88	48	20	6.10
RSP-212	2.12	54	20	6.10
RSP-230	2.30	58	20	6.10

See Cross Reference Chart on page 11



Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

Proper use of product is the sole responsibility of the user.

Manufactured in the USA for SRM Industries Inc.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SPRING GUARD™

CROSS REFERENCE CHART

Meets CA Prop 65
↓ Meets RoHS ↓

Meets CA Prop 65
↓ Meets RoHS ↓

SRM P/N:	I.D.	Aeroquip P/N: 900564 Dash-	I.D.	Couplamatic P/N:	I.D.	Dixon P/N:	I.D.	Gates P/N:	I.D.	Parker P/N:	I.D.	Weather Head P/N:	I.D.	SRM P/N:	I.D.
RSP-53	0.53			SG-550	0.550			7277-0521	0.550	SG-050	0.50	A1900-20	0.53	RSP-53	0.53
RSP-61	0.61	-1S	0.60	SG-610	0.610					SG-060	0.60	A1902-20	0.61	RSP-61	0.61
RSP-66	0.66	-12S	0.66	SG-650	0.650			7277-0510	0.676	SG-066	0.66	A1903-20	0.66	RSP-66	0.66
								7277-0535	0.682						
RSP-75	0.75	-2S	0.72	SG-750	0.750	CWG-C-0.75-25	.75"	7277-0511	0.738	SG-072	0.72	A1904-20	0.75	RSP-75	0.75
		-15S	0.81												
RSP-84	0.84	-14S	0.84	SG-835	0.835			7277-0512	0.852	SG-084	0.84	A1905-20	0.84	RSP-84	0.84
RSP-91	0.91	-3S	0.91	SG900	0.900			7277-0513	0.915			A1906-20	0.91	RSP-91	0.91
RSP-99	0.99			SG-990	0.990	CWG-C-1.00-25	1"	7277-0514	0.977			A1907-20	0.99	RSP-99	0.99
RSP-1.05	1.05	-4S	1.06	SG-1055	1.055			7277-0515	1.040	SG-106	1.06	A1908-20	1.05	RSP-1.05	1.05
		-5S	1.13			CWG-C-1.25-25	1.25"	7277-0522	1.122	SG-113	1.13				
				SG-1240	1.240					SG-122	1.22				
								7277-0516	1.278						
RSP-1.34	1.34	-6S	1.31	SG-1300	1.300			7277-0517	1.340	SG-131	1.31	A1912	1.34	RSP-1.34	1.34
						CWG-C-1.50-25	1.50"	7277-0518	1.578	SG-155	1.55				
RSP-1.64	1.64	-7S	1.66	SG-1630	1.600	CWG-C-1.75-25	1.75"	7277-0519	1.625	SG-166	1.66	A1913	1.64	RSP-1.64	1.64
RSP-1.88	1.88	-9S	1.82					7277-0524	1.847	SG-182	1.82	A1916	1.88	RSP-1.88	1.88
						CWG-C-2.00-25	2"	7277-0523	2.112						
RSP-2.12	2.12	-8S	2.13	SG-2125	2.125			7277-0548	2.120			A1917	2.12	RSP-2.12	2.12
RSP-2.30	2.30					CWG-C-2.50-25	2.5"			SG-232	2.32	A1919	2.30	RSP-2.30	2.30
		-10S	2.38												
		-13S	2.75												
		-11S	2.88			CWG-C-3.00-25	3"								



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO WRAP™ 1050



1050 Ballistic Nylon

Size 1" – 16" I.D. (25.30 mm to 406.4 mm)

FEATURES

- Mil-Spec 1050 Ballistic Nylon, 1.7 mil, urethane coating
- **Temperature Range:** -60° F to +250° F (-51°C to +121°C)
- **Abrasion:** Very Good, meets ISO 6945 specifications
- Meets: Line of Sight Operator specification EN982 ISO norm 833 EN
- **Puncture and Tear resistance:** Good
- **UV Protection:** Very Good, meets EN13758-1
- **Chemicals:** Very good resistance to water and petroleum
- Meets California Prop 65
- Meets RoHS

BENEFITS

- Lightweight, tough, highly flexible
- Fast OEM & field service
- Easy to retrofit to existing applications
- Post assembly installation prevents hydraulic system contamination
- Provides Cylinder Rod Protection
- Installation: Fast and easy
- Wicking: Very good; sheds surface moisture
- Proprietary bonding process allows cutting without fraying
- Easy to cut to length



Manufactured in the USA for SRM Industries Inc.

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

Proper use of product is the sole responsibility of the user.

See Cross Reference Chart on page 15



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO WRAP™ 1050

1050 Ballistic Nylon

Bundling of Hoses & Abrasion Protection

RHINO WRAP™ 1050 can be cut to length for bundling groups of hoses together in minutes for ease of assembly & for abrasion protection. When a hose breaks there is no need to take all the hoses out of a sleeve to remove a bad hose, just open it up, remove the bad hose, insert the new hose and you're back in business without any disassembly.



Cylinder Rod Protection

Damaged cylinder rods & seals are ongoing problems on hydraulic equipment. Dents & gouges on rods reduce seal & gland life and allow contaminants into the system. Research has shown that the cost of damaged cylinders is ten times the cost of prevention.



Cylinder Rod Installation

RHINO WRAP™ 1050 can be cut to length & clamped & installed in minutes at a fraction of the cost of custom bellows.



INDUSTRIES USING OUR PRODUCTS

- Chemical Plants
- Coal Mining and Processing
- Construction
- Energy / Utilities
- Forestry / Logging
- Fracking
- Machinery Manufacturing
- Manufacturing General
- Marinas
- Mining / Quarrying
- Oil / Gas Extraction
- Petroleum
- Railway
- Robotics
- Transportation
- Waste Management

Manufactured in the USA for SRM Industries Inc.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO WRAP™ SIZING CHART

Meets California Prop 65 & RoHS

RHINO WRAP™ 1050: THE STANDARD FOR YOUR BUNDLING AND ABRASION NEEDS

SRM Part Number	Wrap Inside Diameter		Wrap Flat Width	
	In.	Mm.	In.	Mm.
RW-1.00	1.00	25.40	3.89	98.81
RW-1.50	1.50	38.10	5.46	138.64
RW-1.75	1.75	44.45	7.00	177.80
RW-2.00	2.00	50.80	7.78	197.61
RW-2.50	2.50	63.50	9.35	237.49
RW-3.00	3.00	76.20	10.92	277.37
RW-3.50	3.50	88.90	12.49	317.25
RW-4.00	4.00	101.60	14.06	357.12
RW-4.50	4.50	114.30	15.63	397.00
RW-5.00	5.00	127.00	17.20	436.88
RW-6.00	6.00	152.40	20.34	516.64
RW-7.00	7.00	177.80	23.48	596.39
RW-8.00	8.00	203.20	26.62	676.15
RW-9.00*	9.00	228.60	29.77	756.16
RW-9.50*	9.50	241.30	31.34	796.04
RW-10.00*	10.00	254.00	32.91	835.91
RW-11.00*	11.00	279.40	35.85	910.59
RW-12.00*	12.00	304.80	39.19	995.43
RW-13.00*	13.00	330.20	42.34	1075.44
RW-13.50*	13.50	342.90	43.91	1115.31
RW-14.50*	14.50	368.30	47.05	1195.07
RW-15.00*	15.00	381.00	48.62	1234.95
RW-16.00*	16.00	406.40	51.76	1314.70

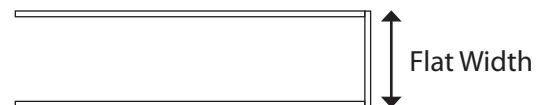
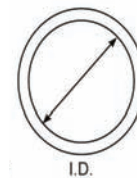
* These sizes are Made to Order and require a Minimum of One (1) 150 Ft. roll per size

See Cross Reference Chart on page 9

Standard Roll Length is 150 FT. / 45.72 Meters Per Roll

How to Determine Size

1. Extend cylinder
2. Measure rod length & cylinder Barrel O.D.
3. Use sleeve slightly larger than Barrel O.D.
4. Cut length 3"-4" (76.20mm-101.60mm) longer than extended length
5. Install sleeve over extended rod
6. Secure end on barrel with screw clamp
7. Fold sleeve around rod behind clevis, secure with clamp
8. Extend & retract cylinder to confirm fit





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO WRAP™ 1050

CROSS REFERENCE CHART

Meets CA Prop 65
↓ Meets RoHS ↓

Meets CA Prop 65
↓ Meets RoHS ↓

RHINO WRAP 1050 NYLON P/N:	Wrap I.D.	Wrap Flat Width	Aeroquip P/N: FC676 -	O.D.	Atlantex P/N:	O.D.	Parker P/N:	O.D.	Weather head P/N:	O.D.	RHINO WRAP 1050 NYLON P/N:	Wrap I.D.	Wrap Flat Width
RW-1.00	1.00	3.89			TFHLC16-30	1.00	PS-BV-100	1.00			RW-1.00	1.00	3.89
RW-1.50	1.50	5.46									RW-1.50	1.50	5.46
RW-1.75	1.75	7.00									RW-1.75	1.75	7.00
RW-2.00	2.00	7.78	2000	2.00	TFHLC32-30	2.00	PS-BV-200	2.00	A4926	2.00	RW-2.00	2.00	7.78
RW-2.50	2.50	9.35									RW-2.50	2.50	9.35
RW-3.00	3.00	10.92	3000	3.00	TFHLC48-30	3.00	PS-BV-300	3.00	A4927	3.00	RW-3.00	3.00	10.92
RW-3.50	3.50	12.49									RW-3.50	3.50	12.49
RW-4.00	4.00	14.06	4000	4.00	TFHLC64-30	4.00	PS-BV-400	4.00	A4928	4.00	RW-4.00	4.00	14.06
RW-4.50	4.50	15.63									RW-4.50	4.50	15.63
RW-5.00	5.00	17.20	5000	5.00	TFHLC80-30	5.00	PS-BV-500	5.00	A4929	5.00	RW-5.00	5.00	17.20
RW-6.00	6.00	20.34	6000	6.00	TFHLC96-30	6.00			A4930	6.00	RW-6.00	6.00	20.34
RW-7.00	7.00	23.48			TFHLC112-30	7.00	PS-BV-700	7.00			RW-7.00	7.00	23.48
RW-8.00	8.00	26.62			TFHLC128-30	8.00					RW-8.00	8.00	26.62
RW-9.00*	9.00	29.77									RW-9.00*	9.00	29.77
RW-9.50*	9.50	31.34									RW-9.50*	9.50	31.34
RW-10.00*	10.00	32.91									RW-10.00*	10.00	32.91
RW-11.00*	11.00	35.85									RW-11.00*	11.00	35.85
RW-12.00*	12.00	39.19									RW-12.00*	12.00	39.19
RW-13.00*	13.00	42.34									RW-13.00*	13.00	42.34
RW-13.50*	13.50	43.91									RW-13.50*	13.50	43.91
RW-14.50*	14.50	47.05									RW-14.50*	14.50	47.05
RW-15.00*	15.00	48.62									RW-15.00*	15.00	48.62
RW-16.00*	16.00	51.76									RW-16.00*	16.00	51.76

* These sizes are Made to Order and require a Minimum of One (1) 150 t. roll per size

Colors available - Special Order - Minimum Run by size



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

NEW! RHINO BLUE VINYL WRAP™

MATERIAL

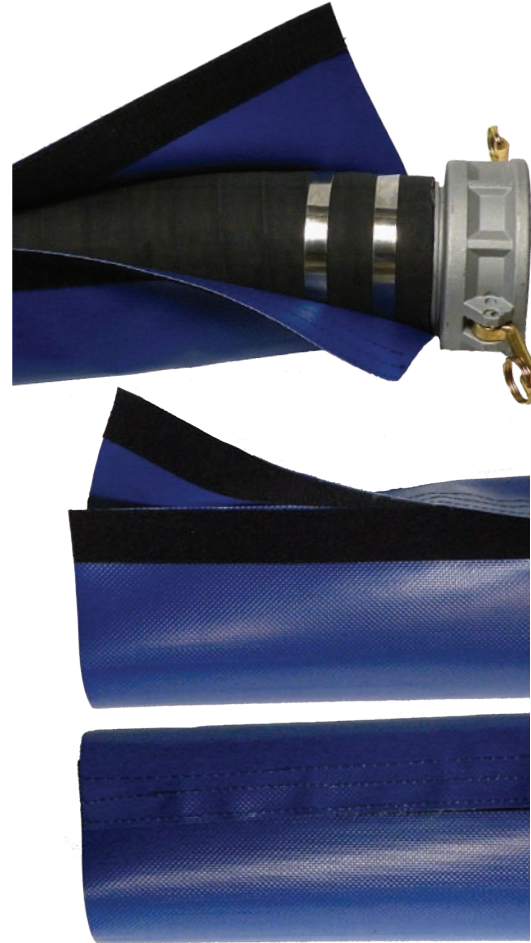
- 35 oz. Vinyl Coated Polyester
- Coating: Poly Vinyl Chloride
- Construction: Woven
- Coating Distribution: 60% Front / 40% Back

FEATURES

- Sealing Properties: Dielectric, Thermal
- Mildew and UV Resistant

MECHANICAL PROPERTIES

- **Grab Tensile:** Meets ASTM D5034
Results: 696-741 Lbs.
- **Strip Tensile:** Meets ASTM D5035
Results: 356-530 Lbs.
- **Tongue Tear:** Meets ASTM D2261
Results: 84-111 Lbs.
- **Adhesion:** Meets ASTM D751
Results: 33 Lbs.
- **Temperature:** Meets ASTM D751
- **Temperature Range:** + 180°F
Continuous to -41°F
- Meets RoHS
- This product can expose you to chemicals including di(2-ethylhexyl)phthalate (DEHP), which are known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov



BENEFITS

- Lightweight, tough, highly flexible
- Fast OEM & field service
- Easy to retrofit
- Fast and easy installation
- Proprietary bonding process allows cutting without fraying
- Easy to cut to length

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.

Proper use of product is the sole responsibility of the user.

SRM Part #	Wrap I.D. (In.)	Wrap I.D. (Mm.)	Flat Width (In.)	Flat Width (Mm.)
RW-2.00-BLV	2.00	50.80	7.75	196
RW-3.00-BLV	3.00	76.20	11.00	279
RW-4.00-BLV	4.00	101.60	14.00	355
RW-5.00-BLV	5.00	127.00	17.25	438
RW-6.00-BLV	6.00	152.40	20.38	517
RW-7.00-BLV	7.00	177.80	23.58	599
RW-8.00-BLV	8.00	203.20	26.62	676.15

* Other Sizes available – minimum 1 – 150 foot roll required
Contact us for pricing

Manufactured in the USA for SRM Industries Inc.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

NEW! RHINO BLUE VINYL WRAP™

INDUSTRIES USING OUR PRODUCTS

- Agriculture
- Energy / Utilities
- Manufacturing General
- Petroleum
- Chemical Plants
- Forestry / Logging
- Marinas
- Railway
- Coal Mining and Processing
- Fracking
- Mining / Quarrying
- Robotics
- Construction
- Machinery Manufacturing
- Oil / Gas Extraction
- Transportation
- Waste Management

Also available in Green, Yellow or Black



Meets RoHS

CHEMICAL RESISTANCE CHART					
Chemical	PVC	Chemical	PVC	Chemical	PVC
Acetaldehyde	G	Diethyl Benzene	N	Methoxyethyl Oleate	N
Acetamide	N	Diethyl Ether	F	Methyl Ethyl Ketone	N
Acetic Acid, 5%	E	Diethyl Ketone	N	Methyl Isobutyl Ketone	N
Acetic Acid, 50%	E	Diethyl Malonate	G	Methyl Propyl Ketone	N
Acetone	E	Dimethyl Formamide	F	Methylene Chloride	N
Aluminum Hydroxide	E	Ether	F	Nitric Acid, 50%	G
Ammonia	E	Ethyl Acetate	F	Nitric Acid, 70%	F
Ammonium Hydroxide	E	Ethyl Benzene	N	Nitrobenzene	N
Ammonium Oxalate	E	Ethyl Benzoate	N	n-Octane	F
n-Amyl Acetate	F	Ethyl Butyrate	N	Orange Oil	F
Amyl Chloride	N	Ethyl Chloride, Liquid	N	Perchloric Acid	G
Aniline	N	Ethyl Cyanoacetate	N	Perchloroethylene	N
Benzaldehyde	N	Ethyl Lactate	F	Phenol, Crystals	F
Benzene	N	Ethylene Chloride	N	Phosphoric Acid, 1-5%	E
Benzoic Acid, Sat.	E	Ethylene Glycol	E	Phosphoric Acid, 85%	E
Benzyl Acetate	F	Ethylene Oxide	F	Potassium Hydroxide	E
Boric Acid	E	Fluorine	N	Propane Gas	E
Bromine	G	Formic Acid, 50%	G	Propylene Glycol	F
Bromobenzene	F	Formic Acid, 90-100%	F	Propylene Oxide	F
n-Butyl Acetate	N	Fuel Oil	E	Resorcinol	F
sec-Butyl Alcohol	G	Gasoline	G	Salicylaldehyde	F
Butyric Acid	G	Glycerine	E	Sulfuric Acid, 1-6%	E
Calcium Hypochlorite	G	n-Heptane	F	Sulfuric Acid, 20%	E
Carbazole	N	Hexane	G	Sulfuric Acid, 60%	E
Carbon Disulfide	N	Hydrochloric Acid, 1-5%	E	Sulfuric Acid, 98%	N
Carbon Tetrachloride	G	Hydrochloric Acid, 35%	G	Sulfur Dioxide, Liq.	F
Chlorine	E	Hydrofluoric Acid, 4%	G	Sulfur Salts	N
Chloroacetic Acid	F	Hydrofluoric Acid, 48%	G	Tartaric Acid	E
Chloroform	N	Hydrogen	E	Tetrahydrofuran	N
Chromic Acid	E	Hydrogen Peroxide	E	Thionyl Chloride	N
Citric Acid	G	Isopropyl Acetate	N	Toluene	F
Cresol	N	Isopropyl Benzene	N	Trichloroethane	N
Cyclohexane	G	Kerosene	E	Trichloroethylene	N
Decalin	E	Lactic Acid, 3%	G	Turpentine	G
o-Dichlorobenzene	G	Lactic Acid, 85%	G	Vinylidene Chloride	N
p-Dichlorobenzene	N	Magnesium Salts	E	Xylene	N
				Zinc Salts/Stearate	E

Resistance

E = Excellent G = Good F = Fair N = Not Recommended

This information is based on experience to date and is believed to be reliable.

It is intended as a guide for use at your own discretion and risk. All indications refer to room temperature



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO HIDE™ HOSE PROTECTOR

RHINO HIDE Hose Protectors protect hoses against point of contact wear with abrasive services. It is a very durable material with a high wear factor and the molded grooves are designed to fit with cable ties. All of our Part Numbers work on hoses ½-inch diameter through 2-inch diameter.

Easy to assemble and remove, and is typically used on hydraulic hoses, fuel and oil lines, brake systems, wiring harnesses and battery cables.



- Meets RoHS
- According to the State of California's Prop 65, this product can expose you to chemicals including Poly Vinyl Chloride which the State of California has determined could cause cancer. For more information go to: www.P65Warnings.ca.gov

SRM Part #	Length	
	In.	Mm.
RHP04-X	4	101.6
RHP06-X	6"	152.3
RHP08-X	8"	203.2
RHP10-X	10"	254.0
RHP12-X	12"	304.8

Replace "X" with the following code to the end of the part number:
B – Black
O – Orange
Y – Yellow



DIAMETER: Covers hose sizes 1/2" to 2" diameter
TEMPERATURE RANGE: -20°F (-28°C) to +300°F (+149°C)
MATERIAL: PVC Blend

RHINOHIDE ZIP TIE:

SRM Part #	Size	
	In.	Mm.
RZT-11	11-7/8"	302

Color: Black, Length: 11-7/8", Tensile: 50Lbs.
 Max bundle OD (inches) 3.35"

Proper use of product is the sole responsibility of the user.
 Manufactured for SRM Industries Inc.

INDUSTRIES USING OUR PRODUCTS

- Agriculture
- Chemical Plants
- Coal Mining and Processing
- Construction
- Energy / Utilities
- Ground Maintenance
- Machinery Manufacturing
- Manufacturing General
- Marinas
- Mining / Quarrying
- Oil / Gas Extraction
- Petroleum
- Railway
- Transportation
- Waste Management



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO BEND RESTRICTOR

FEATURES & BENEFITS

RHINO BEND RESTRICTORs reduce bending stress near the hose-coupling junction.

- Meets RoHS
- Added protection prevents damage to the hose and extends its life cycle
- Upper lip firmly attaches to the coupling, holding the restrictor in place, eliminating the need for costly adhesives or clamps
- Tapered for easy installation
- Works with variety of hydraulic and pressure-wash hoses
- **RHINO BEND RESTRICTOR**s preserve expensive equipment and extends hydraulic hose life.
- **RHINO BEND RESTRICTOR**s feature UV resistant material additives for maximum performance without environmental degradation.
- Our easy-to-install hose guard will provide ample cushioning, full protection and complete flexibility, all while saving you valuable time and money

INDUSTRIES USING OUR PRODUCTS

- Agriculture
- Chemical Plants
- Coal Mining and Processing
- Construction
- Energy / Utilities
- Machinery
- Manufacturing
- Manufacturing General
- Marinas
- Mining / Quarrying
- Oil / Gas Extraction
- Petroleum
- Railway
- Transportation
- Waste Management

Standard Color: Black,

**other colors require minimum production run*

Material: Vinyl

Warning: This product can expose you to diisononyl phthalate, which is known to the State of California to cause Cancer. For more information go to www.P65Warnings.ca.gov



SRM Part Number:	DIM A		DIM B		DIM C		DIM D	
	In.	Mm.	In.	Mm.	In.	Mm.	In.	Mm.
RBR-20	0.616	15.65	0.699	17.75	5.29	134.37	0.625	15.88
RBR-40	0.668	16.97	0.758	19.25	5.74	145.80	0.678	17.22
RBR-60	0.750	19.05	0.852	21.64	6.43	163.32	0.761	19.33

* Other Sizes Available, Call for Information

Manufactured in the USA for SRM Industries Inc. Proper use of product is the sole responsibility of the user.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

NEW! RHINO SAFETY ORANGE DRIP PROOF PLUGS™

MATERIAL SPECIFICATIONS

Nitrile-NBR; does not contain silicone

FEATURES

- **New Hex Head Design for "Better Grip"**
- High quality oil resistant rubber
- Strong, reusable
- Protects the environment
- Meets California Prop 65
- Meets RoHS

USES

- Use **RHINO SAFETY ORANGE DRIP PROOF PLUGS** anywhere hydraulics are in use.
- **RHINO SAFETY ORANGE DRIP PROOF PLUGS** are a handy tool for emergency leaks. One plug covers many sizes.

MARKETS

- Hydraulics
- Vehicle Repair and Maintenance
- Forestry
- Marine
- Agriculture
- Industrial
- Mining
- Rescue
- Construction
- Building Maintenance
- Lifting
- Displays
- Demolition

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.



1 INSERT



2 PUSH



3 PUSH & TWIST

Proper use of product is the sole responsibility of the user.

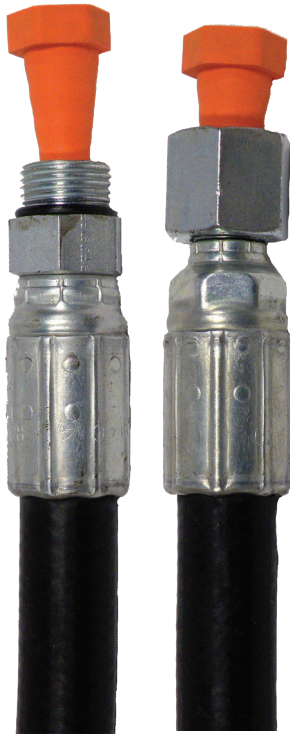


SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

NEW! RHINO SAFETY ORANGE DRIP PROOF PLUGS™



SRM INDUSTRIES INC. ORANGE RHINO DRIP PROOF PLUG™
 Designed to plug hoses or pipe ends to prevent costly and environmentally damaging leakage during maintenance on equipment.
www.RHINOSLEEVE.com

RHINO TOUGH

1 INSERT
2 PUSH
3 PUSH & TWIST

STOP LEAKS FAST!

PRODUCT: RPLUG
 □ **ROPLUG-1: MINI**
 Quantity: 16
 Fits fitting size -4 through -8
 Quantity: 10
 □ **ROPLUG-2: SMALL**
 Fits fitting size -4 through -12
 Quantity: 6
 Fits fitting size -16 through -20
 □ **ROPLUG-3: MEDIUM**
 Quantity: 4
 Fits fitting size -20 through -32
 □ **ROPLUG-4: LARGE**
 Quantity: 4
 Fits fitting size -20 through -32
 □ **ROPLUG-K: KIT**
 Quantity:
 4 of #1 and 2 of #3
 4 of #2 and 2 of #4

Only for industrial use. Keep out of reach of children. Not for use on gas cylinders. Always clean before reuse. Do not use on air lines. TEMP. RANGE: -119° to +195° (-20° to +393°)

RHINO ORANGE DRIP PROOF PLUGS™

SRM Part #	Size	Package Quantity Ea	Size Range
ROPLUG-1	Mini	16	Fitting size -4 through -8
ROPLUG-2	Small	10	Fitting size -4 through -12
ROPLUG-3	Medium	6	Fitting size -16 through -20
ROPLUG-4	Large	4	Fitting size -24 through -32
ROPLUG-K	Mixed Kit	4-Mini, 4-Small, 2-Medium, 2-Large	

Manufactured for SRM Industries Inc.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

NEW! RHINO SAFETY ORANGE DRIP PROOF PLUGS™

INDUSTRIES USING OUR PRODUCTS

- Agriculture
- Energy / Utilities
- Manufacturing
- Petroleum
- Chemical Plants
- Ground Maintenance
- General
- Railway
- Coal Mining and Processing
- Airports
- Marinas
- Transportation
- Construction
- Machinery Manufacturing
- Mining / Quarrying
- Waste Management
- Oil / Gas Extraction

Meets California Prop 65 • Meets RoHS

Physical & Mechanical Properties

Durometer	50
Tensile Strength Range	200–3,500 PSI
Elongation (Range %)	350 %–650 %
Abrasion Resistance	Good to Excellent
Adhesion to Metal	Excellent
Adhesion to Rigid Materials	Good to Excellent
Compression Set	Good to Excellent
Flex Cracking Resistance	Fair to Good
Impact Resistance	Fair to Good
Resilience/Rebound	Good
Tear Resistance	Good to Excellent
Vibration Dampening	Fair to Good

Chemical Resistance

Acids, Dilute	Good
Acids, Concentrated	Poor to Fair
Acids, Organic (Dilute)	Good
Acids, Organic (Concentrated)	Poor
Acids, Inorganic	Fair to Good
Alcohol's	Fair to Good
Aldehydes	Poor to Fair
Alkalies, Dilute	Good
Alkalies, Concentrated	Poor to Good
Amines	Poor
Animal & Vegetable Oils	Good to Excellent
Brake Fluids, Non-Petroleum Based	Poor
Diester Oils	Fair to Good
Esters, Alkyl Phosphate	Poor
Esters, Aryl Phosphate	Poor to Fair
Ethers	Poor
Fuel, Aliphatic Hydrocarbon	Good to Excellent
Fuel, Aromatic Hydrocarbon	Fair to Good
Fuel, Extended (Oxygenated)	Fair to Good

Fuel, Gasoline (all grades)	Good to Excellent
Fuel, Diesel	Good to Excellent
Halogenated Solvents	Poor
Hydrocarbon, Halogenated	Poor to Fair
Ketones	Poor
Lacquer Solvents	Fair
LP Gases & Fuel Oils	Excellent

Chemical Resistance

Mineral Oils	Excellent
Oil Resistance	Good to Excellent
Petroleum Aromatic	Good
Petroleum Non-Aromatic	Excellent
Refrigerant Ammonia	Good
Silicone Oil	Good
Solvent Resistance	Good to Excellent

Thermal Properties

Low Temperature Range	-70°F / -57°C
Minimum for Continuous Use (Static)	-40°F / -40°C
Brittle Point	-60°F / -51°C
High Temperature Range	250°F / 121°C
Maximum for Continuous Use (Static)	250°F / 121°C

Environmental Performance

Colorability	Excellent
Flame Resistance	Poor
Gas Permeability	Fair to Excellent
Ozone Resistance	Fair to Good
Oxidation Resistance	Good
Radiation Resistance	Fair to Good
Steam Resistance	Fair to Good
Sunlight Resistance	Poor to Good
Weather Resistance	Fair to Good
Water Resistance	Good to Excellent

Note: We reserve the right to make any engineering or material changes at any time to our products for enhancement, performance and quality.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SAFETY ORANGE DRIP PROOF PLUGS™ Counter Display

SRM INDUSTRIES INC.

RHINO  **ORANGE DRIP PROOF PLUGS**

SRM Part #	Size	Package Quantity Ea	Size Range
ROPLUG-1	Mini	16	Fitting size -4 through -8
ROPLUG-2	Small	10	Fitting size -4 through -12
ROPLUG-3	Medium	6	Fitting size -16 through -20
ROPLUG-4	Large	4	Fitting size -24 through -32
ROPLUG-K	Mixed Kit	4-Mini, 4-Small, 2-Medium, 2-Large	

Meets California Prop 65 & RoHS




SRM INDUSTRIES INC.

RHINO  **ORANGE DRIP PROOF PLUGS**

SRM Part #	Size	Package Quantity Ea	Size Range
ROPLUG-1	Mini	16	Fitting size -4 through -8
ROPLUG-2	Small	10	Fitting size -4 through -12
ROPLUG-3	Medium	6	Fitting size -16 through -20
ROPLUG-4	Large	4	Fitting size -24 through -32
ROPLUG-K	Mixed Kit	4-Mini, 4-Small, 2-Medium, 2-Large	

Meets California Prop 65 & RoHS





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO DRIP PROOF PLUGS™

FEATURES & BENEFITS

- High quality oil resistant rubber
- Strong, reusable
- Protects the environment



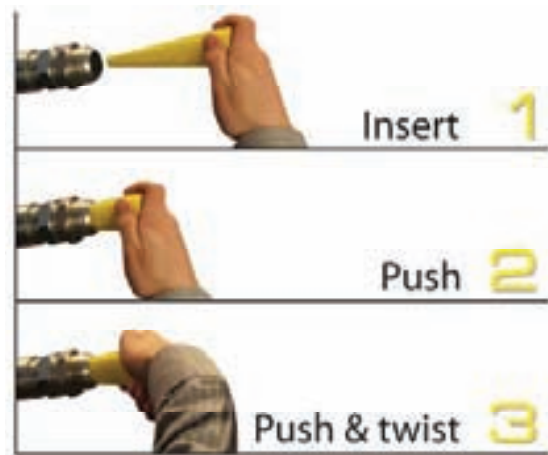
USES

- Use RHINO DRIP PROOF PLUGS anywhere hydraulics are in use.
- RHINO DRIP PROOF PLUGS are a handy tool for emergency leaks. One plug covers many sizes.



MARKETS

- Hydraulics
- Vehicle Repair and Maintenance
- Forestry
- Marine
- Agriculture
- Industrial
- Mining
- Rescue
- Construction
- Building Maintenance
- Lifting
- Displays
- Demolition



RHINO DRIP PROOF PLUGS™ mixed kit:
Packaged in Plastic Bags

SRM Part #	Size	Bag Quantity Ea	Size Range
RPLUG-S	Small	20	-4 thru -6
RPLUG-M	Medium	10	-8 thru -16 Male Pipe (MP)
RPLUG-L	Large	4	-16 Female JIC (FJX) thru -24
RPLUG-K	Mixed Kit	4 Sm, 4 Med, 2 Lg	

Proper use of product is the sole responsibility of the user.

Manufactured for SRM Industries Inc.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO FIRESLEEVE



FEATURES & BENEFITS

RHINO FIRESLEEVE is designed to protect hoses, wire and cables from the hazards of high heat and occasional flame. Rated for 500°F (260°C) continuous exposure, up to 2000°F (1093°C) for 15-20 minutes and up to 3000°F (1650°C) for 15-30 seconds. Made of knitted construction fiberglass yarns in a flexible substrate, it is then coated with a high-grade silicone rubber.

Resistant to hydraulic fluids, lubricating oils, and fuels, **RHINO FIRESLEEVE** insulates against energy loss in piping and hosing, protects employees from burns and allows, "bundling" of wires, hoses and cables.

- Color:** Orange
- Material:** Type E Fiberglass
Silicone Elastomer Coating
- Construction:** Knitted (Industrial)
- Maximum Continuous Temperature:** 500°F (260°C)
- Size Range:** 1/4" (6.4mm) - 5" (127mm)
- Molten splash resistance:** Outstanding
- Flame resistance:** Very Good
- Flexibility:** Outstanding
- Water and Oil resistance:** Outstanding

SRM P/N:	In.	Mm.
RFS-038	3/8	9.6
RFS-050	1/2	12
RFS-062	5/8	15
RFS-075	3/4	19
RFS-100	1.00	25.4
RFS-125	1-1/4	32
RFS-138	1-3/8	35
RFS-150	1-1/2	38
RFS-175	1-3/4	44
RFS-200	2.00	51
RFS-250	2-1/2	64
RFS-275	2-3/4	70
RFS-300	3.00	76
RFS-350	3-1/2	89
RFS-375	3-3/4	95
RFS-400	4.00	102
RFS-450	4-1/2	114
RFS-500	5.00	127

AVAILABLE OPTIONS

Other colors (Blue, Green, Yellow, Red, Black/Grey) may be available, call for availability

TYPICAL INDUSTRIES:

Hose Fabrication, Oil & Gas, OEM, Locomotive, Metals

Proper use of product is the sole responsibility of the user.

Manufactured for SRM Industries Inc.

* Other sizes and pricing available upon request

Available in 50' and 100' boxes, Standard package is a 100' box, putting a -50 after part number = 50' box



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SHIELD™ BLOW OUT PROTECTIVE COVER



RHINO SHIELD™ BLOW OUT PROTECTOR

Applications: RHINO SHIELD™ is designed to retain the burst pressure of a blown concrete elbow on the pumper line. This is a "must have" safety product for all jobsites.

Material: Industrial grade ballistic nylon and reinforced with heavy duty hook and loop nylon straps.

RHINO SHIELD™ handles 1100 PSI concrete burst equalling over 3,800 PSI in hydraulic pressure caused by a casting failure.

- Meets RoHS
- **1050 Ballistic Nylon Material:** Meets California Prop 65 & RoHS
- **Heavy Duty Cinch Strap:** Material Meets California Prop 65 & RoHS.
- This product includes a buckle that is Nickel plated and that according to the State of California Prop 65, chemicals in the nickel-plating process may expose you to Cancer. For more information go to: www.P65Warnings.ca.gov.





SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO SHIELD™ BLOW OUT PROTECTIVE COVER



RHINO SHIELD™ Blow Out Protector



RHINO SHIELD™ Coupling Cover



RHINO SHIELD™ Pipe Cover

SRM Part Number:	Description:	Dimensions:	
		In.	Mm.
RS-E-5	Blow Out Protector: Reducing Elbow 5" x 4"	5" x 4"	127 mm. x 101.60 mm
RS-E-4	Blow Out Protector: Reducing Elbow 4" x 3"	4" x 3"	102 mm x 76.20 mm
RS-CC	3 & 4 inch Coupling Cover	3" - 4"	102 mm
RS-S-325-33	Pipe Cover Straight: 3" x 2.5" x 33"	3" x 2.5" x 33"	76.2 mm x 63.5 mm x 832.2 mm
RS-S-43-33	Pipe Cover Straight: 4" x 3.0" x 33"	4" x 3.0" x 33"	102 mm x 76.2 mm x 832.2 mm

Manufactured in the USA for SRM Industries Inc. Proper use of product is the sole responsibility of the user.



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO CINCH STRAPS™ RHINO SAFETY STRAP™



RHINO CINCH STRAP LIGHT DUTY

- Meets California Prop 65
- Meets RoHS



RHINO CINCH STRAP HEAVY DUTY

- Material meets California Prop 65
- Meets RoHS
- This product includes a buckle that is Nickel plated and that according to the State of California Prop 65, chemicals in the nickel-plating process may expose you to Cancer. For more information go to: www.P65Warnings.ca.gov

- Allows natural hose expansion & application movement without damage
- Eliminates cable tie damage
- Fast, dependable containment
- Cuts install time by 50%
- Mil-Spec Hook & Loop
- Excellent U.V. & weather resistance
- Available in Light Duty (Delrin Buckle) & Heavy Duty (Nickel Plated Buckle)



STANDARD DUTY SRM Part Number	Circumference Of Bundle		HEAVY DUTY SRM Part Number:	Circumference Of Bundle	
	In.	Mm.		In.	Mm.
RCS-404	4	102	RCS-404H	4	102
RCS-406	6	152	RCS-406H	6	152
RCS-408	8	203	RCS-408H	8	203
RCS-412	12	305	RCS-412H	12	305
RCS-418	18	457	RCS-416H	16	406
RCS-420	20	508	RCS-418H	18	457
RCS-424	24	610	RCS-420H	20	508
			RCS-424H	24	610
			RCS-430H	30	762
			RCS-436H	36	914
			RCS-440H	40	1016

* Special Sizes Available Upon Request. Min. production run required

** Private Labeling available at additional cost

Manufactured in the USA for SRM Industries Inc.

Proper use of product is the sole responsibility of the user.

ORANGE CAMLOCK SAFETY STRAP

High strength hook and loop strap with excellent U.V. and weather resistance.



SRM Part #	Camlock Size	
	In.	Mm.
RSS-16	1-1/2 to 3	38.1 to 76.2
RSS-20	4 to 8	101.6 to 203.2

Manufactured in the USA for SRM Industries Inc.

Proper use of product is the sole responsibility of the user.

- Meets RoHS
- Material meets California Prop 65
- This product includes a buckle that is Nickel Plated and that according to the State of California Prop 65, chemicals in the nickel-plating process may expose you to Cancer. For more information go to: www.P65Warnings.ca.gov



Private Brand Label Available on Heavy Duty RHINO CINCH STRAP™



SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO HANGING STRAPS™



RHINO HANGING STRAP

- Material meets California Prop 65
- This product includes a nickel-plated grommet and that according to the State of California Prop 65, chemicals in the nickel-plating process may expose you to Cancer. For more information go to: www.P65Warnings.ca.gov



RHINO HANGING STRAP HEAVY DUTY

- Material meets California Prop 65
- This product includes a nickel-plated grommet and buckle and that according to the State of California Prop 65, chemicals in the nickel-plating process may expose you to Cancer. For more information go to: www.P65Warnings.ca.gov

RHINO HANGING STRAPS™ are held in place by the 3/8" (9.5mm) grommet. Mounting can be vertical or horizontal. The hook & loop used in our hanging straps are a special product designed for military and industrial applications.

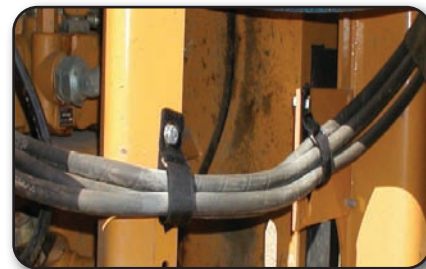
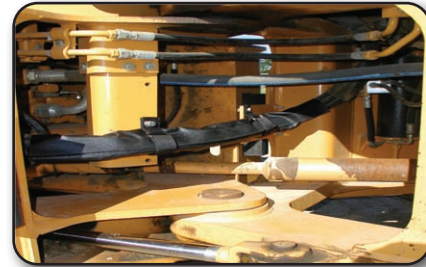
FEATURES & BENEFITS

- Meets RoHS
- Allows for natural hose expansion & application movement without damage
- Eliminate rigid mounting damage
- Fast, dependable containment
- Installation time is drastically reduced
- Military Spec Hook & Loop
- Excellent UV & weather resistance

Manufactured in the USA for SRM Industries Inc.

Proper use of product is the sole responsibility of the user.

SRM Part Number	Circumference of Bundle		SRM Part Number	Circumference of Bundle	
	In.	Mm.		In.	Mm.
RHS-406	6	152	RHS-406H	6	152
RHS-408	8	203	RHS-408H	8	203
RHS-412	12	305	RHS-412H	12	305
RHS-416	16	406	RHS-416H	16	406
RHS-418	18	457	RHS-418H	18	457
RHS-420	20	508	RHS-420H	20	508
			RHS-426H	26	660
			RHS-436H	36	914



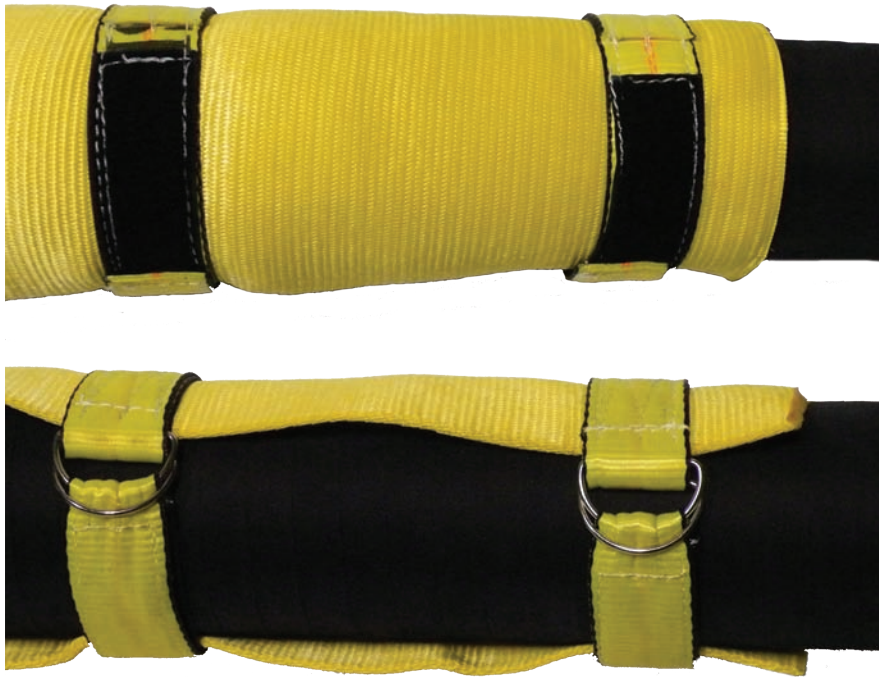


SRM INDUSTRIES INC.



The Toughest Hose Protection Products on the Planet...Period!

RHINO FRAC PAD™



Extra heavy nylon abrasion pad for extra protection in high abrasion applications.

This product is designed for use on Frac Mud Pump hoses where it comes in contact with the pump unit.

RFP4X3-HD is a 1/4" abrasion pad with 4 heavy duty buckles.

Custom lengths are available upon request.

SRM Part Number	Size	
	Length x Width x Thickness In.	Length x Width x Thickness Mm.
RFP4X3-HD	36 x 12 x 1/4	914.4 x 304.8 x 6.35

- Material meets California Prop 65
- Meets RoHS
- This product includes a buckle that is Nickel plated and that according to the State of California Prop 65, chemicals in the nickel-plating process may expose you to Cancer. For more information go to: www.P65Warnings.ca.gov

Manufactured in the USA for SRM Industries Inc.

Proper use of product is the sole responsibility of the user.

AUGUST 2020

SRM INDUSTRIES INC.

THE TOUGHEST HOSE PROTECTION PRODUCTS ON THE PLANET... **PERIOD!**



IT'S NOT TOUGH, UNLESS IT'S RHINO TOUGH!



MADE IN USA

Sales & Distribution Office:

14915 Stuebner Airline Road, Suite D
Houston, Texas 77069-2120

Phone: 1-877-744-6602 (1-877-RHINO 02)

Fax: 1-877-744-6680 (1-877-RHINO 80)

Email: sales@srmindustries.us



West Coast Warehouse:

14535 Valley View Avenue, Suite D
Santa Fe Springs, CA 90670

Phone: 1-562-926-7599

Fax: 1-562-926-8870

Email: Dale.Hughes5@hotmail.com



MADE IN USA

www.rhinosleeve.com

