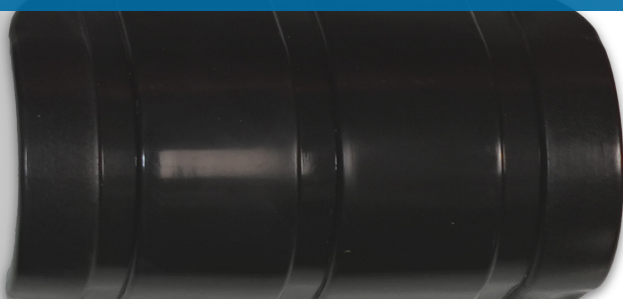


# HOSE ACCESSORIES

HOSE PROTECTION & LEAK PREVENTION PRODUCTS



# LITERATURE DELIVERED TO YOUR DOOR

[BRENNANINC.COM/REQUESTLIT](http://BRENNANINC.COM/REQUESTLIT)



SCAN HERE  
TO REQUEST  
LITERATURE



# TABLE OF CONTENTS

PRODUCT	PAGE
RHINO SLEEVE HT (HIGH TEMPERATURE).....	4-5
RHINO SLEEVE DISPENSER.....	6-7
RHINO SPIRAL GUARD HD .....	8-9
RHINO SPIRAL GUARD LIGHT DUTY .....	10-11
RHINO SPRING GUARD .....	12-13
RHINO WRAP 1050 .....	14-15
RHINO VINYL WRAP .....	16-17
RHINO HIDE HOSE PROTECTOR .....	18-19
RHINO GRIP SHRINK TUBING .....	20
RHINO BEND RESTRICTOR .....	21
RHINO SAFETY ORANGE DRIP PROOF PLUGS .....	22-23
RHINO DRIP PROOF PLUGS .....	24-25
RHINO FIRESLEEVE .....	26
RHINO PYROSIL TAPE .....	27
RHINO SHIELD BLOW OUT PROTECTIVE COVER.....	28
RHINO FRAC PAD .....	29
RHINO CINCH STRAPS.....	30
RHINO SAFETY STRAP .....	31
RHINO HANGING STRAPS .....	31
RHINO COLOR CODING SHRINK TUBING.....	32
RHINO POINT OF SALE PRODUCTS .....	33

# RHINO SLEEVE



Brennan'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.

## MATERIALS 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
- Proprietary engineered fabric for 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

## RHINO SLEEVE DISPENSERS

Holds up to five 300FT (91.44 meter) rolls of RHINOSLEEVE HT

- 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 *\*more info on page 6*



## RHINO SLEEVE HT SIZING

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

## CHEMICAL COMPATIBILITY

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

## CROSS REFERENCE CHART

RHINO SLEEVE P/N	RHINO SLEEVE RD I.D.		Gates P/N	Gates RD I.D. Inches	Aeroquip P/N: FC-	Aeroquip RD I.D. Inches	Dixon P/N	Dixon RD I.D. Inches	WeatherHead P/N	WeatherHead RD I.D. Inches	Parker P/N	Parker RD I.D. Inches	Tompkins P/N	Tompkins RD I.D. Inches
RS-68HT	0.68	17	HG10	.68				0.68			AS-B-11	0.69	NHS-071	0.71
RS-79HT	0.79	20			425-12	0.71							NHS-077	0.77
RS-91HT	0.91	23	HG14	.90	425-15	0.92	DHS90-300	0.90	A4900	0.90	AS-B-13 & PS-B-13	0.86	NHS-090	0.90
RS-98HT	0.98	25			425-16	1.00	DHS-100-300	1.00					NHS-100	1.00
RS-106HT	1.06	27	HG16	1.06					A4901	1.06	AS-B-15 & PS-B-15	1.06		
RS-122HT	1.22	31	HG20	1.22	425-18	1.13	DHS-106-300	1.13					NHS-114	1.14
RS-142HT	1.42	36	HG24	1.42	425-20	1.25	DHS-122-300	1.25	A4902	1.22	AS-B-17 & PS-B-17	1.22	NHS-125	1.25
RS-157HT	1.57	40					DHS-138-300	1.38	A4903	1.35	AS-B-19	1.35	NHS-138	1.38
RS-163HT	1.63	41									AS-B-22 & PS-B-22	1.42		
RS-173HT	1.73	44			425-24	1.59	DHS-159-300	1.58					NHS-153	1.53
RS-185HT	1.85	47	HG28	1.81					A4904	1.66	AS-B-27	1.63	NHS-159	1.59
RS-209HT	2.09	53			425-28	1.75	DHS-175-300	1.78					NHS-175	1.75
RS-219HT	2.19	55	HG32	2.19			DHS-181-300	1.91	A4905	1.81	AS-B-33 & PS-B-33	1.81	NHS-185	1.85
RS-238HT	2.38	60	HG38	2.38	425-32	2.07							NHS-207	2.07
RS-262HT	2.62	66	HG42	2.62			DHS-219-300	2.18	A4906	2.19	PS-B-35	2.19		
RS-288HT	2.88	73	HG46	2.88	425-38	2.38							NHS-225	2.25
RS-315HT	3.15	80			425-40	2.54	DHS-238-300	2.38			AS-B-37 & PS-B-37	2.38	NHS-238	2.38
RS-366HT	3.66	93							A4907	2.62	PS-B-39	2.63	NHS-254	2.54
RS-394HT	3.94	100					DHS-263-300	2.65	A4908	2.80			NHS-264	2.64
RS-441HT	4.41	112	HG64	4.40	425-46	2.86	DHS-288-300	2.86			PS-B-45	2.88		
RS-494HT	4.94	125											NHS-296	2.96
RS-550HT	5.50	140									PS-B-47	3.13		
													NHS-334	3.34
					425-59	3.66	DHS-366-300	3.65			AS-B-58	3.63	NHS-366	3.66
											AS-B-64	4.00	NHS-400	4.00
												4.41	NHS-450	4.50
												4.94		
												5.50		

# RHINO SLEEVE DISPENSER



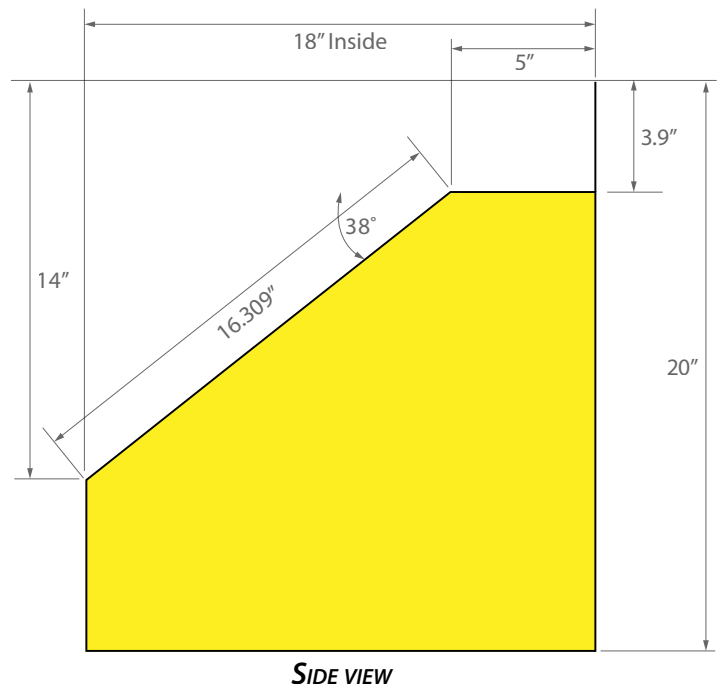
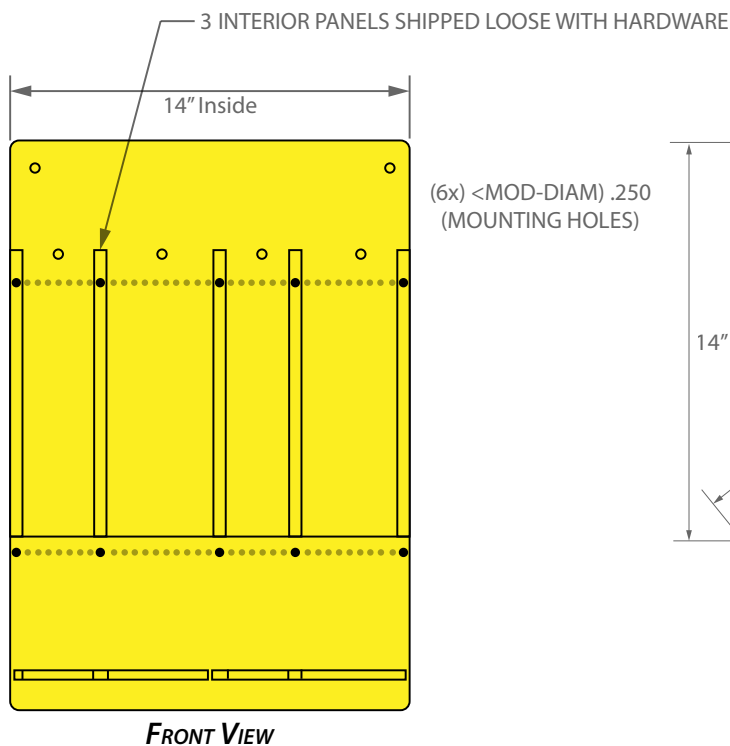
## FEATURES

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

- 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

Dispenser Inside Dimensions are:

- Width: 14 inches (left to right)
- Depth: 17-7/8 inches (front to back)
- Slot Openings (2): 6-3/4 inch wide by 5/16 inch tall
- Dividers (3): 0.05 inches thick each



## DISPENSER SIZING CHART

The following sizes will slide through either of the 6-3/4" slots in the front of the Dispenser:

Part Number	I.D. (in Inches)	Max Flat Width (in Inches)
RS-68HT	0.68	1.322
RS-79HT	0.79	1.495
RS-91HT	0.91	1.683
RS-98HT	0.98	1.793
RS-106HT	1.06	1.919
RS-122HT	1.22	2.170
RS-142HT	1.42	2.484
RS-157HT	1.57	2.782
RS-163HT	1.63	2.877
RS-173HT	1.73	3.033
RS-185HT	1.85	3.222
RS-209HT	2.09	3.598
RS-219HT	2.19	3.755
RE-238HT	2.38	4.054

The following are the additional sleeving sizes we make that may not fit in the dispenser do to their flat width dimensions:

Part Number	I.D. (in Inches)	Max Flat Width (in Inches)
RS-262HT	2.62	2.78
RS-288HT	2.88	3.04
RS-315HT	3.15	3.31
RS-366HT*	3.66	3.82
RS-394HT*	3.94	4.10
RS-441HT*	4.41	4.57
RS-494HT*	4.94	5.10
RS-550HT*	5.50	5.66

# RHINO SPIRAL GUARD HD

## MATERIAL

High Density Polyethelene

## FEATURES & BENEFITS

- 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)

## APPLICATIONS

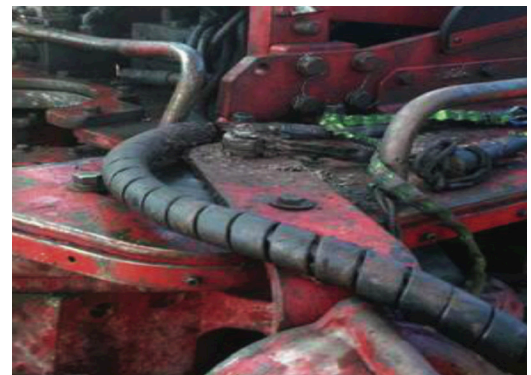
- Preventing hose wear due to friction & abrasion
- Protecting hoses from external forces-harsh environments
- Bundling hoses, cables
- Colors for providing "HIGH" visibility
- Tree Sapling Hose Cover Protection

Chemical Plants  
Coal Mining and Processing  
Construction  
Energy / Utilities  
Forestry / Logging  
Machinery Manufacturing  
Manufacturing General  
Marinas

Mining / Quarrying  
Oil / Gas Extraction  
Petroleum  
Railway  
Robotics  
Transportation  
Waste Management



Meets California Prop 65 & RoHS





## RHINO SPIRAL GUARD HD SIZING CHART

BRENNAN Part Number	I.D.		Opening Range In.	Opening Range mm.	Carton Size for Black Color		Yellow Length in Feet / Meters	Blue Length in Feet / Meters	Red Length in Feet / Meters
	In.	mm.			Feet	Meter			
RSG-28HD	0.28	7.1	0.28 - 0.51	7 - 13	495	150.8			
RSG-38HD	0.38	10	0.39 - 0.66	10 - 17	165	50.3	165 / 50.3	165 / 50.3	165 / 50.3
RSG-50HD	0.50	11	0.47 - 0.86	12 - 27	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-62HD	0.62	14	0.62 - 1.06	16 - 30	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-95HD	0.875	20	0.86 - 1.37	22 - 35	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-1.125HD	1.00	25	1.06 - 1.69	27 - 43	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-1.50HD	1.50	32	1.30 - 2.17	33 - 55	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-1.75HD	1.75	38	1.75 - 2.52	42 - 64	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-2.25HD	2.00	50	2.05 - 2.95	52 - 75	66 & 100	20.1 & 30.48	66 / 20.1	66 / 20.1	66 / 20.1
RSG-2.62HD	2.63	60	2.56 - 3.80	65 - 97	66	20.1	66 / 20.1	66 / 20.1	66 / 20.1
RSG-3.00HD	3.00	72	3.15 - 4.30	50 - 110	66	20.1	66 / 20.1	66 / 20.1	66 / 20.1
RSG-4.00HD	4.00	102	3.80 - 4.90	97 - 125	40	12.19	40 / 12.9	40 / 12.9	40 / 12.9
RSG-5.00HD	5.00	127	4.80 - 6.00	122 - 152	27	8.23	27 / 8.23	27 / 8.23	27 / 8.23

## CROSS REFERENCE CHART

BRENNAN P/N:	ID	Opening Range in Inches	Available Lengths in Feet	Aeroquip P/N:	Dixon P/N:	F & R P/N:	Gates Global P/N:	Gates P/N:	Parker P/N:	Caplugs/Pigstail P/N:	Safeplast P/N:	Tompkins ProWrap Plus Extreme Duty P/N:	Weather Head P/N:
RSG-28HD	0.28	.28-.51	495	900952-4									
RSG-38HD	0.38	.38-.66	165	900952-6			G80901-0006	7277-1174		R12SSG	012C100Bk	PWP-12	
RSG-50HD	0.50	.47-.86	66/100	900952-8	NFSGX16	93050	G80901-0008	7277-1175		R16SSG	016C100Bk	PWP-16	A9900
RSG-62HD	0.63	.62-1.06	66/100	900952-10	NFSGX20	93063	G80901-0012	7277-1176	HG-075	R20SSG	020C100Bk	PWP-20	A9901
RSG-95HD	0.75	.86-1.37	66/100	900952-12	NFSGX25	93075	G80901-0016	7277-1177	HG-100	R25SSG	025C100Bk	PWP-25	
RSG-1.125HD	1.13	1.06-1.69	66/100	900952-27	NFSGX32	93100	G80901-0020	7277-1178	HG-125	R32SSG	032C100Bk	PWP-32	A9902
RSG-1.50HD	1.50	1.30-2.17	66/100	900952-22	NFSGX40	93125	G80901-0024	7277-1179	HG-150	R40SSG	040C100Bk	PWP-40	A9903
RSG-1.75HD	1.75	1.65-2.52	66/100		NFSGX63	93200	G80901-0028	7277-1180	HG-200	R50SSG	050C100Bk	PWP-50	
RSG-2.25HD	2.25	2.05-2.95	66		NFSGX75	93250	G80901-0036	7277-1181		R63SSG	063C100Bk	PWP-63	
RSG-2.62HD	2.63	2.56-3.80	66		NFSGX90	93300	G80901-0044	7277-1182		R75SSG	075C75Bk	PWP-75	A9904
RSG-3.00HD	3.00	3.15-4.30	66		NFSGX110	93350	G80901-0048	7277-1183	HG-350	R90SSG	090C50Bk	PWP-90	A9905
RSG-4.00HD	3.90	3.80-4.90	40			93400	G80901-0056	7277-1184		R110SSG	110C50Bk	PWP-110	
RSG-4.50HD	4.50	4.50-5.50	40				G80901-0072	7277-0001			235C40Bk		
RSG-5.00HD	5.00	4.80-6.00	27			93500				R140SSG	125C40Bk	PWP-140	
RSG-6.00HD	6.00	5.70-7.00+	20			93600				R160SSG	140C30Bk	PWP-160	

# RHINO SPIRAL GUARD LD

## MATERIAL

Low Density Polyethelene

## FEATURES & BENEFITS

- 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

## APPLICATIONS

- Preventing hose wear due to friction & abrasion
- Protecting hoses from external forces-harsh environments
- Bundling hoses, cables

Meets California Prop 65 & RoHS

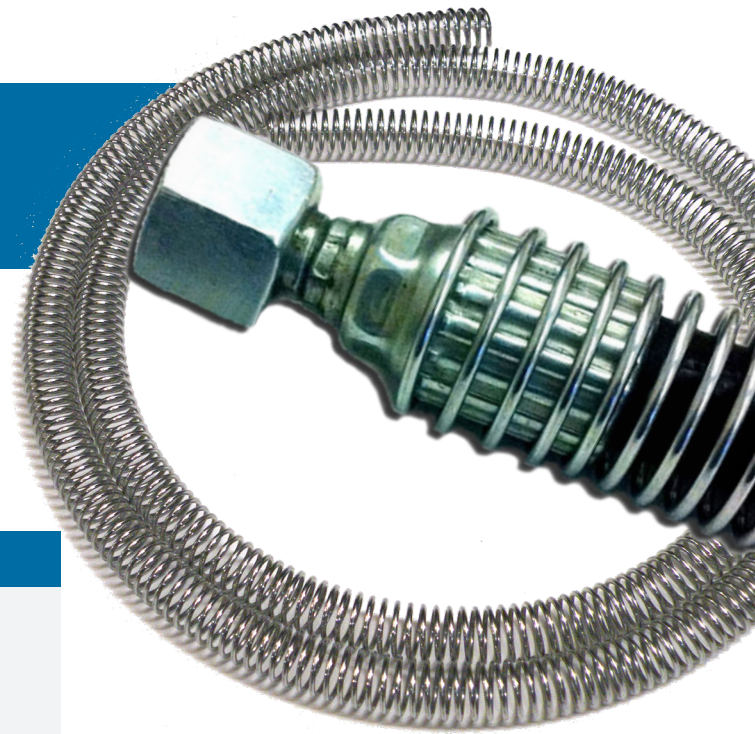
## RHINO SPIRAL GUARD HD SIZING CHART

BRENNAN 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	0.04	1.016
RSG-50LD	0.55	14	0.63	16.02	0.04	1.016
RSG-62LD	0.69	17.05	0.79	20.07	0.05	1.27
RSG-95LD	0.95	24.13	1.00	25.40	0.07	1.78

Available in 100-foot boxes



# RHINO SPRING GUARD



## FEATURES & BENEFITS

- High Strength Plated Steel
- Tight Pitched Coils For Maximum Protection
- Helps Prevent Hose Kinking
- High Impact Resistance

## APPLICATIONS

- When high cut or crush resistant hose protection is required

Construction

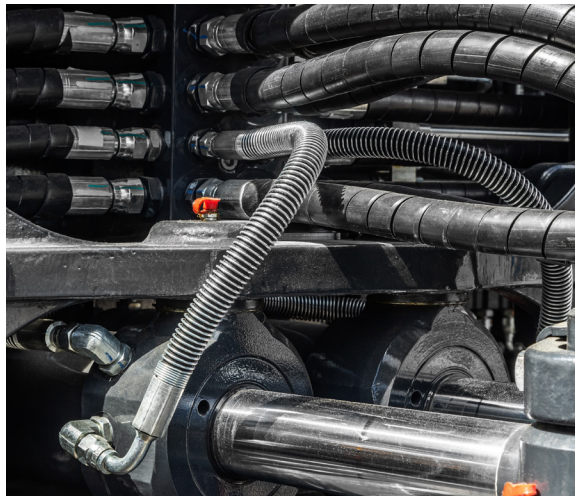
Mining

Demolition

Recycling

Forestry / Logging

Meets California Prop 65 & RoHS



## RHINO SPRING GUARD SIZING CHART

BRENNAN 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

## CROSS REFERENCE CHART

BRENNAN RHINO COIL SPRING Part Number	BRENNAN I.D. in.	BRENNAN I.D. mm.	Gates Product #	Gates I.D. Inches	Aeroquip Part Number: 900564 Dash-	Aeroquip Spring Guard I.D. Inches	Weatherhead Part Number	Weatherhead Spring I.D. Inches	Parker Part Number	Parker ID Inches	BRENNAN RHINO COIL SPRING Part Number
RSP-53	0.53	13	7277-0521	0.550			A1900-20	0.53	SG-050	0.50	RSP-53
RSP-61	0.61	15			-1S	0.610	A1902-20	0.61	SG-060	0.60	RSP-61
RSP-66	0.66	17	7277-0510	0.676	-12S	0.670	A1903-20	0.66	SG-066	0.66	RSP-66
			7277-0535	0.682							
RSP-75	0.75	19	7277-0511	0.738	-2S	0.750	A1904-20	0.75	SG-072	0.72	RSP-75
					-15S	0.810					
RSP-84	0.84	21	7277-0512	0.852	-14S	0.850	A1905-20	0.84	SG-084	0.84	RSP-84
RSP-91	0.91	23	7277-0513	0.915	-3S	0.910	A1906-20	0.91			RSP-91
RSP-99	0.99	25	7277-0514	0.977			A1907-20	0.99			RSP-99
RSP-1.05	1.05	26	7277-0515	1.040	-4S	1.040	A1908-20	1.05	SG-106	1.06	RSP-1.05
			7277-0522	1.122	-5S	1.180			SG-113	1.13	
									SG-122	1.22	
			7277-0516	1.278							
RSP-1.34	1.34	34	7277-0517	1.340	-6S	1.340	A1912	1.34	SG-131	1.31	RSP-1.34
			7277-0518	1.578					SG-155	1.55	
RSP-1.64	1.64	41	7277-0519	1.625	-7S	1.660	A1913	1.64	SG-166	1.66	RSP-1.64
RSP-1.88	1.88	48	7277-0524	1.847	-9S	1.870	A1916	1.88	SG-182	1.82	RSP-1.88
			7277-0523	2.112							
RSP-2.12	2.12	54	7277-0548	2.120	-8S	2.130	A1917	2.12			RSP-2.12
RSP-2.30	2.30	58					A1919	2.30	SG-232	2.32	RSP-2.30
					-10S	2.380					
					-13S	2.750					

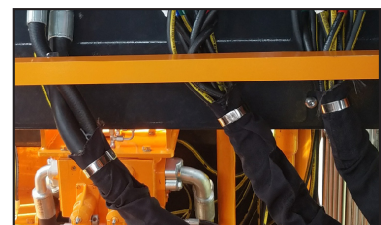
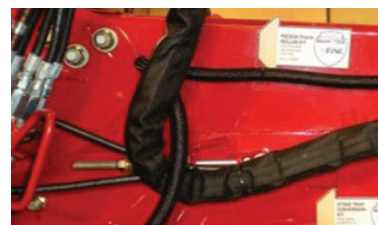
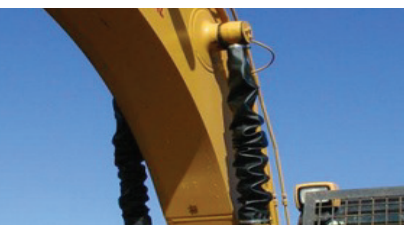
# RHINO WRAP 1050

## 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: Excellent
- UV Protection: Very Good, meets EN13758-1
- Chemicals: Very good resistance to water and petroleum

## 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



### 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

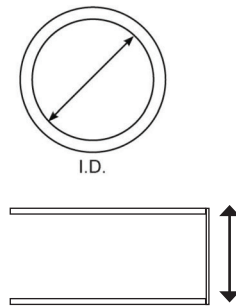
RHINO WRAP™ 1050 can be cut to length & clamped & installed in minutes at a fraction of the cost of custom bellows.

# RHINO WRAP 1050 SIZING CHART

BRENNAN Part Number	Bundle Outside Diameter		Bundle Circumference		BRENNAN Part Number	Bundle Outside Diameter		Bundle Circumference	
	In.	Mm.	In.	Mm.		In.	Mm.	In.	Mm.
RW-1.00	1.00	25.40	3.25	82	RW-4.50	4.50	114.30	14.00	355
RW-1.25	1.25	31.75	3.92	100	RW-5.00	5.99	127.00	15.75	400
RW-1.50	1.50	38.10	4.71	120	RW-6.00	6.00	152.40	18.80	477
RW-1.75	1.75	44.45	5.50	139	RW-7.00	7.00	177.80	22.00	558
RW-2.00	2.00	50.80	6.20	157	RW-8.00	8.00	203.20	25.13	638
RW-2.38	2.38	60.45	7.48	190	RW-9.00*	9.00	228.60	28.27	718
RW-2.50	2.50	63.50	7.80	198	RW-10.00*	10.00	254.00	31.41	798
RW-2.75	2.75	69.85	8.64	219	RW-11.00*	11.00	279.40	34.55	875
RW-3.00	3.00	76.20	9.40	239	RW-12.00*	12.00	304.80	37.70	957
RW-3.25	3.25	82.55	10.20	259	RW-13.00*	13.00	330.20	40.84	1037
RW-3.50	3.50	88.90	11.00	279	RW-15.00*	15.00	381.00	47.12	1197
RW-4.00	4.00	101.60	12.50	317	RW-16.00*	16.00	406.40	50.26	1276

### 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



\* These sizes are made to order and require a minimum of one (1) 150 Ft. roll required per size  
Standard roll length is 150 FT. / 45.72 meters per roll

# CROSS REFERENCE CHART

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-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-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

\* Made to Order - 1- 150 ft Roll

Colors available - Special Order - Minimum Run by size

# RHINO VINYL WRAP

## FEATURES

- 35 oz. Vinyl Coated Polyester
- Coating: Poly Vinyl Chloride
- Construction: Woven
- Coating Distribution: 60% Front / 40% Back
- Sealing Properties: Dielectric, Thermal
- Mildew and UV Resistant
- Meets RoHS

## 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

## 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

*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](http://www.P65Warnings.ca.gov)*

Also available in Green, Yellow or Black





## RHINO VINYL WRAP SIZING CHART

BRENNAN Part #	Wrap I.D. (inches)	Wrap I.D. (mm)	Flat Width (inches)	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"	598
RW-8.00-BLV	8.00"	203.20	26.62"	676

\* NON-Stock - Made To Order - min. 150ft roll per size. Additional sizes are available, contact us for information

## CHEMICAL RESISTANCE CHART

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

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

# RHINO HIDE



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.

## MATERIAL SPECIFICATIONS

Vinyl

## FEATURES & BENEFITS

- Very durable material
- High wear factor
- Molded grooves designed to fit with cable ties
- For hoses ½-inch through 2-inch diameter
- Easy to assemble and disassemble
- Meets RoHS

## APPLICATIONS

- Hydraulic Hoses
- Fuel Lines
- Oil Lines
- Brake Systems
- Wiring Harnesses
- Battery Cables.



## RHINO HIDE SIZING CHART

BRENNAN Part #	Length(inches)	Color
RHP04-B	4.00"	Black
RHP06-B	6.00"	Black
RHP08-B	8.00"	Black
RHP10-B	10.00"	Black
RHP12-B	12.00"	Black
RHP04-O	6.00"	Orange
RHP06-O	6.00"	Orange
RHP08-O	8.00"	Orange
RHP10-O	10.00"	Orange
RHP12-O	12.00"	Orange
RHP04-Y	4.00"	Yellow
RHP06-Y	6.00"	Yellow
RHP08-Y	8.00"	Yellow
RHP10-Y	10.00"	Yellow
RHP12-Y	12.00"	Yellow

**DIAMETER:** Covers hose sizes 1/2" to 2" diameter

**TEMPERATURE RANGE:** -20°F (-28°C) to +300°F (+149°C)

**MATERIAL:** PVC Blend

## RHINO HIDE ZIP TIES

BRENNAN Part #	Size (inches)
RZT-11	11-7/8"

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



# RHINO GRIP



## 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

## SIZING CHART

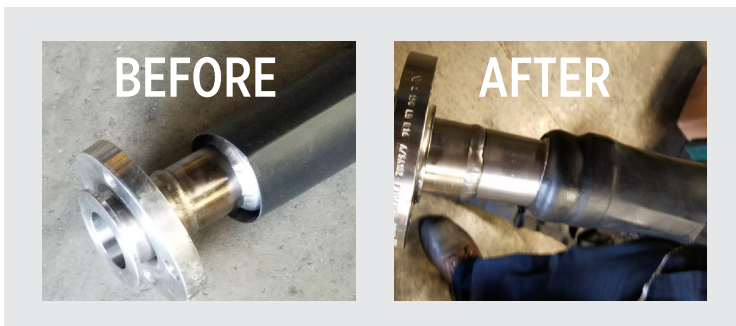
BRENNAN P/N	Pre Shrunk I.D.		Stock Length	
	In.	Mm.	In.	Mm.
RG-11	1.10	28	6	152.4
RG-17	1.73	44	6	152.4
RG-27	2.70	69	6	152.4
RG-35	3.50	89	6	152.4
RG-11 X 4 FT	1.10" x 4'	28 mm x 1.22 M	4 ft	1.22 M
RG-17 X 4 FT	1.73" x 4'	44 mm x 1.22 M	4 ft	1.22 M
RG-27 X 4 FT	2.70" x 4'	69 mm x 1.22 M	4 ft	1.22 M

Shrink Ratio: 3:1

Color: Black

Available in cut lengths

Available in longer lengths



# RHINO BEND RESTRICTOR

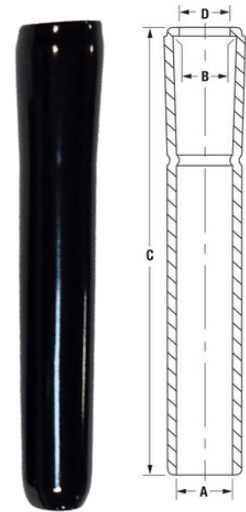


## MATERIAL SPECIFICATIONS

Vinyl

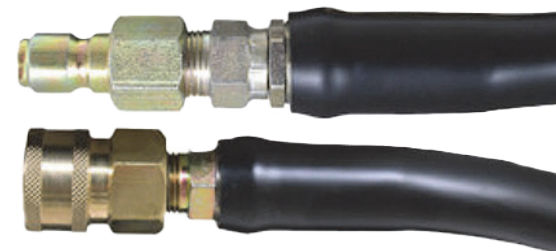
## FEATURES & BENEFITS

- 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 RESTRICTORs preserve expensive equipment and extends hydraulic hose life.
- RHINO BEND RESTRICTORs 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



## SIZING CHART

Part Number:	DIM A Bottom Inside Diameter		DIM B Top Inside Diameter		DIM C Length		DIM D TOP Outside Diameter	
	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
RBR-80	0.815	20.70	0.926	23.52	6.98	177.29	0.827	21.01
RBR-100	0.871	22.12	0.995	25.27	7.76	197.10	0.885	22.48



# RHINO ORANGE DRIP PROOF PLUGS



## MATERIAL SPECIFICATIONS

Nitrile-NBR; does not contain silicone

## FEATURES & BENEFITS

- High quality oil resistant rubber
- Strong, reusable
- Protects the environment
- Meets California Prop 65 & RoHS

## APPLICATIONS

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.

Hydraulics	Agriculture	Construction
Vehicle Repair	Industrial	Lifting
Forestry	Mining	Demolition
Marine	Rescue	& More

## INSTALLATION

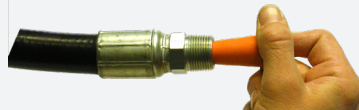
### 1. INSERT



### 2. PUSH



### 3. PUSH & TWIST



## RHINO ORANGE DRIP PROOF PLUGS SIZING CHART

BRENNAN Part #	Size	Package Quantity Each	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	

## CHEMICAL RESISTANCE CHART

Meets California Prop 65 & 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

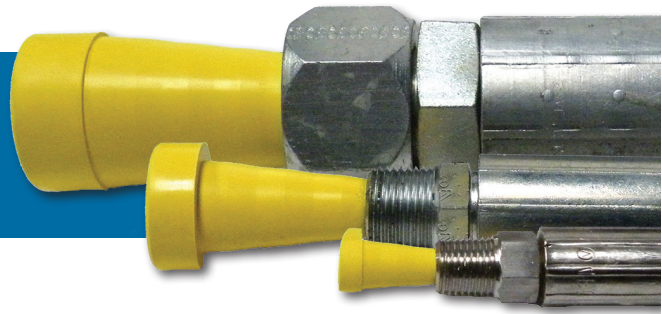
Low Temperature Range	-70°F / -57°C
Minimum for Continuous Use (Static)	-40°F / -40°C
Brittle Point	-60°F / -51°C
High Temperature Range	250°F / 121°C
Maximum for Continuous Use (Static)	250°F / 121°C

### 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 Excellent
Weather Resistance	Fair to Good
Water Resistance	Good to Excellent



# RHINO DRIP PROOF PLUGS



## MATERIAL SPECIFICATIONS

Nitrile-NBR; does not contain silicone

## FEATURES & BENEFITS

- High quality oil resistant rubber
- Strong, reusable
- Protects the environment
- Meets California Prop 65 & RoHS

## APPLICATIONS

- 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.

Hydraulics	Agriculture	Construction
Vehicle Repair	Industrial	Lifting
Forestry	Mining	Demolition
Marine	Rescue	& More

## INSTALLATION

### 1. INSERT



### 2. PUSH



### 3. PUSH & TWIST





## RHINO ORANGE DRIP PROOF PLUGS SIZING CHART

BRENNAN Part #	Size	Package Quantity Each	Size Range
RPLUG-S	Small	20	Fitting size -4 through -6
RPLUG-M	Medium	10	Fitting size -8 through -16
RPLUG-L	Large	4	Fitting size -16 through -24
RPLUG-K	Mixed	4-sm, 4-med, 2-lg.	Fitting size -4 through -24

## CHEMICAL RESISTANCE CHART

Meets California Prop 65 & 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 Excellent
Weather Resistance	Fair to Good
Water Resistance	Good to Excellent

# RHINO FIRESLEEVE



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.

## MATERIAL SPECIFICATIONS

Type E Fiberglass Silicone Elastomer Coating

## FEATURES & BENEFITS

- Industrial Knitted Construction
- Maximum Continuous Temperature 500°F (200°C)
- Outstanding Molten Splash Resistance
- Flexible and Flame Resistant
- Water and Oil Resistant

## APPLICATIONS

- Use RHINO FIRESLEEVE anywhere hydraulics, oils and fuels are in use
- RHINO FIRESLEEVE is perfect for Hose Fabrication, Oil & Gas, OEM, Locomotive & Metals

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

*\* Other sizes and pricing available upon request  
Standard package is a 50' box*

## AVAILABLE OPTIONS

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

# RHINO PYROSIL TAPE



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.

## MATERIAL SPECIFICATIONS

Iron Oxide Red Silicone rubber tape with extreme elasticity.

## FEATURES & BENEFITS

- Tape designed to provide a self-fusing inorganic rubber insulator to be used in conjunction with **RHINO FIRESLEEVE** as an end sealant to prevent moisture and hydraulic oils from wicking into the inner braid.
- Self-bonding silicone offers excellent resistance to radiant heat, corrosive atmosphere, moisture, chemicals, vibration, and electricity.
- **RHINO PYROSIL TAPE** is an excellent dielectric strength made suitable as an electrical insulator in a variety of applications.
- Cures within seconds

## APPLICATIONS

- Use Rhino Pyrosil Tape anywhere RHINO FIRESLEEVE is being used
- No recommended for exposure to molten splash and flame.

## SIZE & MATERIAL THICKNESS

- 1” (25mm) wide roll
- Material Thickness: 0.020” (0.51mm)
- Roll length: 36 feet (11m)

*\* Other size and thickness available... call for information.*

# RHINO SHIELD



RHINO SHIELD Blow Out Protective Cover

## MATERIAL SPECIFICATIONS

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

## FEATURES & BENEFITS

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](http://www.P65Warnings.ca.gov).



**RHINO SHIELD**



**CASTING**

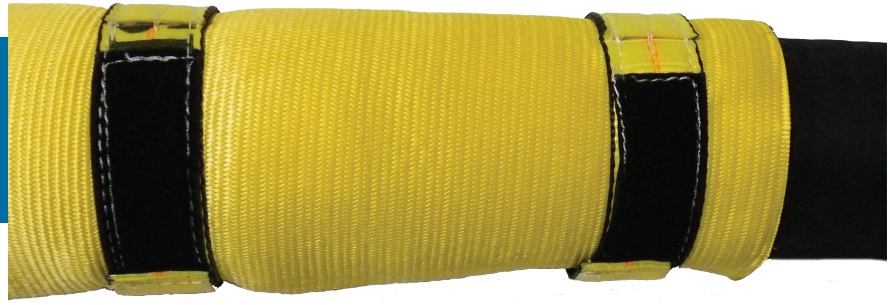


**SAFETY**

## SIZING CHART

BRENNAN 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

# 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.

## MATERIAL SPECIFICATIONS

Nylon with Nickel Plated Buckle

## FEATURES & BENEFITS

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

- Meets RoHS
- 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](http://www.P65Warnings.ca.gov).

## SIZING CHART

BRENNAN Part Number	Size	
	Length x Width x Thickness In.	Mm.
RFP4X3-HD	36 x 13 x 1/4	914.4 x 330.20 x 6.35

\* Custom lengths are available upon request



# RHINO STRAPS

## RHINO CINCH STRAPS

RHINO CINCH STRAP Heavy Duty



## FEATURES & BENEFITS

- 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
  - Allows plumbing expansion for attachments
  - Heavy Duty Nickel Plated Buckle
- 
- 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](http://www.P65Warnings.ca.gov)

## SIZING CHART

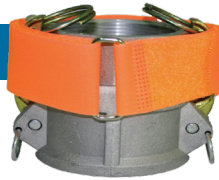
HEAVY DUTY Part Number:	Circumference Of Bundle	
	In.	Mm.
RCS-404H	4	102
RCS-406H	6	152
RCS-408H	8	203
RCS-410H	10	254
RCS-412H	12	305
RCS-416H	16	406
RCS-420H	20	508
RCS-424H	24	610
RCS-430H	30	762
RCS-436H	36	914
RCS-440H	40	1016



Private Brand Label Available on Heavy Duty RHINO CINCH STRAP™

## RHINO SAFETY STRAPS

Orange Camlock Safety Strap



### FEATURES & BENEFITS

- High Strength Hook and Loop
- Excellent UV Resistance
- Excellent Weather Resistance
- 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](http://www.P65Warnings.ca.gov)

### SIZING CHART

BRENNAN 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

## RHINO HANGING

RHINO HANGING STRAPS Heavy Duty 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

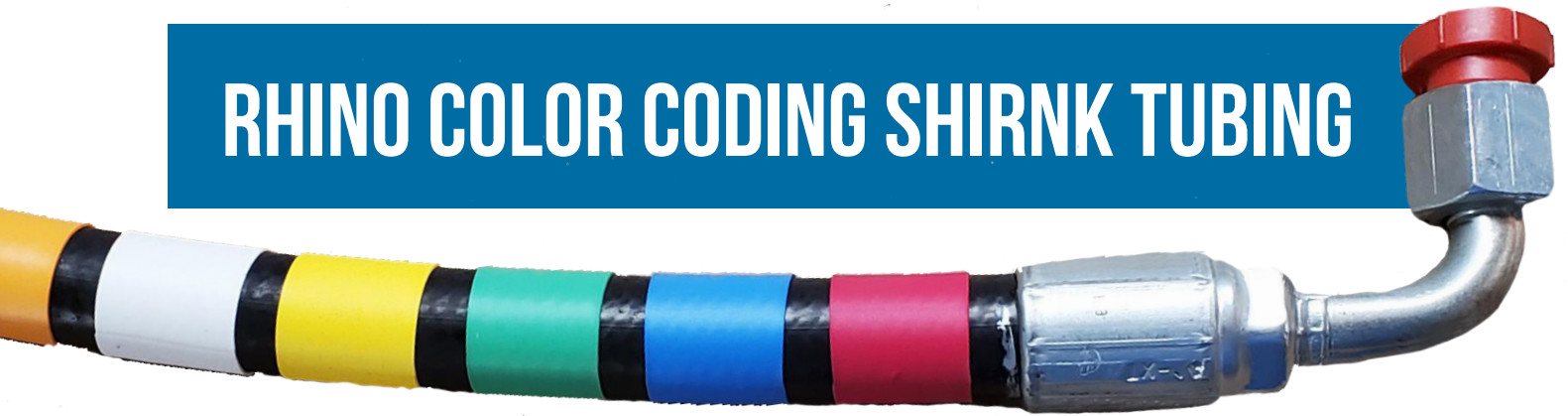
- Allows for natural hose expansion & application movement without damage
- Eliminate rigid mounting damage
- Fast, dependable containment
- Installation time is drastically reduced
- Military Spec Hook & Loop
- Excellent UV & weather resistance
- Heavy Duty Buckle is Nickel Plated
- Material meets California 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](http://www.P65Warnings.ca.gov)

### SIZING CHART

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

\* Special sizes available upon request  
 \*\* Private labeling available at addition cost

# RHINO COLOR CODING SHRINK TUBING



## FEATURES & BENEFITS

- Color coding of hoses
- Non-Adhesive lined
- Operating temperature range is -57°F to +275°F (-55°C to +135°C)
- Is recommended for use in general purpose applications such as wire marking, color coding of hose assemblies.
- Meets CA Prop 65
- Meets RoHS
- Shrink Ratio: 2:1
- RCT is a very flexible.
- Flame Resistant
- Meets all of the material and functional requirements of Military Specification AMS-DTL-23053/5, Class 1 and Class 3.
- Shrink temperature is +90°C / +194°F

## SIZING CHART

RCT-1.00 – RCT-4.00 available in the following Colors:  
Blue (BL), Green (GR), Orange (O), Red (R), White (W) & Yellow (Y)

P/N	Pre-Shrunk I.D.		Will Shrink Down to:		Available Length:*	
	In.	Mm.	In.	Mm.	Ft.	M.
RCT-1.00-	1.00	25.4	0.50	12.70	4	1.219
RCT-1.50-	1.50	38.1	0.75	19.05	4	1.219
RCT-2.00-	2.00	50.8	1.00	25.40	4	1.219
RCT-3.00-	3.00	76.2	1.50	38.10	4	1.219
RCT-4.00-	4.00	101.6	2.00	50.80	4	1.219

RCT-5.00 & RCT-6.00 available only in Clear (CL) – 50 foot rolls

P/N	Pre-Shrunk I.D.		Will Shrink Down to:		Roll Length:	
	In.	Mm.	In.	Mm.	Ft.	M.
RCT-5.00-	5.00	127.0	2.50	63.50	50	15.24
RCT-6.00-	6.00	152.4	3.00	76.20	50	15.24

Ordering Example: Order Qty-P/N-Color; 4 pcs RCT-1.50-BL

\* Part Number RCT-1.00 – RCT-4.00 available in 100-foot Reels upon request.









# PRODUCT APPLICATIONS



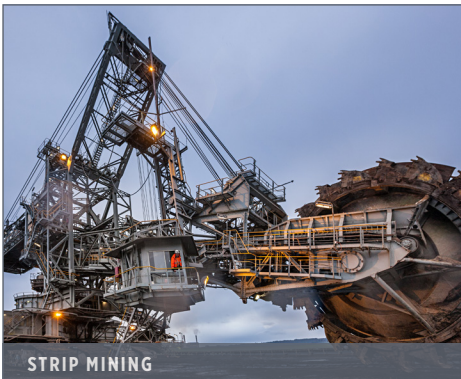
AGRICULTURE



CHEM PROCESS & REFINING



COAL MINING



STRIP MINING



RAILWAY



ROBOTICS



TRANSPORTATION



WASTE MANAGEMENT



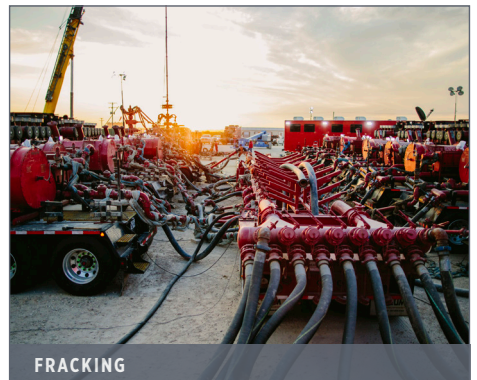
WELDING



CONSTRUCTION



ENERGY / UTILITIES



FRACKING

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



## US DISTRIBUTION CENTERS

**ATLANTA** TOLL FREE: 800.458.1988  
FAX: 770.987.0926

**CLEVELAND** TOLL FREE: 800.331.1523  
FAX: 440.248.9375

**DALLAS** TOLL FREE: 800.443.9937  
FAX: 972.660.6638

**HOUSTON** TOLL FREE: 800.443.9937  
FAX: 713.808.9477

**LOS ANGELES** TOLL FREE: 800.942.5321  
FAX: 949.595.0933

**SEATTLE** TOLL FREE: 800.445.7107  
FAX: 253.826.4884



14915 STUEBNER AIRLINE ROAD  
SUITE D  
HOUSTON, TEXAS 77069  
PHONE: 877.744.6602

## CANADIAN DISTRIBUTION CENTERS

**CALGARY** TOLL FREE: 844.379.9300  
FAX: 403.279.4583

**MONTREAL** PHONE: 514.339.1139  
FAX: 514.339.2601

**TORONTO** TOLL FREE: 855.267.9013  
FAX: 905.673.8788

**VANCOUVER** PHONE: 604.420.6540  
FAX: 604.420.6545

**WINNIPEG** PHONE: 204.694.8068  
FAX: 204.694.8113

## INT'L DISTRIBUTION CENTERS

**BIRMINGHAM, UK** PHONE: 01922 650039  
FAX: 01922 626179

**SHANGHAI, CN** PHONE: +86 21 57391155  
FAX: 86 21 57390688



**CORPORATE HEADQUARTERS**  
6701 COCHRAN ROAD  
OLON, OHIO 44139 USA

**BRENNAN MANUFACTURING GROUP**  
26420 CENTURY CORNERS PARKWAY  
CLEVELAND, OHIO 44132 USA

PHONE: 440.248.1880  
TOLL FREE: 888.331.1523  
FAX: 440.248.7282

**BRENNAN MANUFACTURING GROUP, CANADA**  
290 COURTNEYPARK DRIVE EAST  
MISSISSAUGA, ON – L5T 2S5

**BRENNAN INDUSTRIES SHANGHAI**  
NO 2, XINFENG ROAD,  
LANGXIA TOWN, JINSHAN DISTRICT, SHANGHAI, CHINA

**BRENNAN MANUFACTURING GROUP, UK**  
WIGWAM LANE  
HUCKNALL NOTTINGHAM NG15 7SZ, UK



Certified to  
ISO 9001:2015



ISO 9001  
BUREAU VERITAS  
Certification



[brennaninc.com](http://brennaninc.com)

© 2023 Brennan Industries, Inc.