# **King Safety Whipsock**

High-pressure hose restraint designed to secure hose-to-hose and hose-torigid anchor points to minimize uncontrolled movement in the event of hose connection failure or separation

## Application

• Ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic, and slurry

#### **Features**

- King safety whipsocks keep the hose under control in the event of a highpressure hose assembly failure
- · Dual anchor points secured beyond the fittings eliminate hose whip
- Be sure the anchoring points are rated for the application
- Galvanized steel woven stockings extend down the hose to grip securely over a larger area preventing whip, abrasion, and wear
- Securing both eye-to-rigid or eye-to-eye anchor points reduce whip in the event of a hose connection failure
- Contact Dixon<sup>®</sup> with questions regarding working pressure, available options, or custom configurations

### Materials

- Wire rope: galvanized carbon steel
- Ferrules: aluminum

Size	O.D. Range	Length	Maximum Working Pressure PSI	Part #
3/8"	.315"5512"	15.75"	5,000	KSW06
1/2"	.5512"7874"	21.65"	3,000	KSW08
3/4"	.7874" - 1.181"	25.20"	2,000	KSW12
1"	1.181" - 1.575"	34.25"	1,500	KSW16
1-1/4"	1.575" - 1.969"	38.19"	1,000	KSW20
1-1/2"	1.969" - 2.362"	49.21"	700	KSW24
2"	2.362" - 2.756"	51.18"	1,300	KSW32
2-1/2"	2.756" - 3.346"	53.15"	800	KSW40
3"	3.346" - 3.937"	72.44"	750	KSW48
3-1/2"	3.937" - 4.724"	72.05"	550	KSW56
4"	4.724" - 5.512"	86.61"	550	KSW64
6"	5.512" - 7.087"	93.31"	250	KSW96



Shackles sold separately see product details on back

# **Dixon Specialty Products**

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# **King Safety Shackles**



## Applications

- Two shackles are used to anchor the King safety whipsock
- Secure both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure

### Sizes

• 1/4", 3/8", and 1/2"

## Features

- Recommended bolt, nut, and cotter pin style shackle
- · Caution: working load must be rated for the application

### Material

Micro alloy steel

Size	Working Load	Fit KSW Eye	Part #
5/16"	3/4 ton (1000lbs)	KSW06-KSW12	KSS04
7/16"	1-1/2 ton (3000lbs)	KSW16-KSW40	KSS06
5/8"	3-1/4 ton (6000lbs)	KSW48-KSW96	KSS08

# Instructions for Properly Installing, Securing, and Maintaining King Safety Whipsock

High pressure hose restraint designed to secure hose-to-hose and hose-to-rigid anchor points to minimize uncontrolled movement in the event of hose connection failure or separation.

Note: For ease of installation, it's recommended to attach prior to installing the coupling assembly.

- Step 1: Select the appropriate King Safety Whipsock based on the hose O.D. and working pressure of the hose. For shorter assemblies a custom double ended, 4-eye Whipsock, must be used. Note: Only use custom Whipsocks on the specific length and diameter it is labeled for.
- Step 2: Always inspect the entire King Safety Whipsock for frayed wire and corrosion before each use and installation. Replace immediately if damaged or worn.
- Step 3: It is necessary that the hose is clean and free from oil and dirt before use.
- Step 4: Compress the tail end of the King Safety Whipsock to open the I.D., and work the stocking to slide the grip down the length of the hose. Run your hands down the grip from the coupling end to the tail to smooth out any gaps or loose wires in the grip to ensure contact with the hose.
- Step 5: After coupling, slide the King Safety Whipsock up the hose into secured position just behind the fitting, ensuring the eyes have enough length to reach the anchoring points. Avoid overlapping the stockings if King Safety Whipsocks are on each end of the hose.
- Step 6: Using a King Safety Shackle or bolt, nut, and pin style clasp, rated above the breaking strength of the hose, secure the hose restraint at two horizontally opposed, rigid anchor points rated for the application.
- Step 7: Slight slack in the legs is preferred. This will allow a travel distance for coupling in disconnection and greatly reduce the load applied to the hose restraint. A travel distance of up to 1" 2" (40-50mm) is recommended.

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