



# King Safety Whipsock and Shackles

The Right Connection®

*Introducing the new high pressure KSW hose restraint*



Shackles sold separately

## King Safety Whipsocks

### Applications:

- in the event of a high-pressure hose assembly failure, King Safety Whipsocks provide stand-by safety and minimize uncontrolled whipping
- used in high pressure air, water, hydraulic, and slurry applications

### Features:

- dual anchor points secure hose-to-hose and hose-to-rigid anchor points
- woven cable grips the hose securely over a large area while protecting it from everyday abrasion and wear
- contact Dixon Specialty Products for questions regarding working pressure, custom configurations and other available options
- be sure the anchoring points are rated for the application



### Materials:

- galvanized steel wire
- stainless steel options available upon request
- spiral guard to prevent cable wear caused coupling vibrations

### Sizes:

- from 3/8" hose up to 6" hose, larger sizes available upon request

Size	OD	Length	Recommended Working Pressure	Part #
3/8"	.315 - .5512	15.75"	5000	<b>KSW06</b>
1/2"	.5512 - .7874	21.65"	3000	<b>KSW08</b>
3/4"	.7874 - 1.181	25.20"	2000	<b>KSW12</b>
1"	1.181 - 1.575	34.25"	1500	<b>KSW16</b>
1 1/4"	1.575 - 1.969	38.19"	1000	<b>KSW20</b>
1 1/2"	1.969 - 2.362	49.21"	700	<b>KSW24</b>
2"	2.362 - 2.756	51.18"	1300	<b>KSW32</b>
2 1/2"	2.756 - 3.346	53.15"	800	<b>KSW40</b>
3"	3.346 - 3.937	72.44"	750	<b>KSW48</b>
3 1/2"	3.937 - 4.724	72.05"	550	<b>KSW56</b>
4"	4.724 - 5.512	86.61"	550	<b>KSW64</b>
6"	5.512 - 7.087	93.31"	250	<b>KSW96</b>

## King Safety Shackles



### Applications:

- 2 shackles are used to anchor the King Safety Whipsock
- Securing both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure

### Features:

- recommended bolt, nut, and cotter pin style shackle
- Caution working load must be rated for the application.

### Materials:

- micro alloy steel

### Sizes:

- ¼", ⅜", and ½"



Size	Working Load	Fit KSW Eye	Part #
¼"	½ ton (1000lbs)	KSW06-KSW12	<b>KSS04</b>
⅜"	1½ ton (3000lbs)	KSW16-KSW40	<b>KSS06</b>
½"	3 ton (6000lbs)	KSW48-KSW96	<b>KSS08</b>

## 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 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 labelled for.*
- Step 2:** Always ensure to inspect 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 ID, 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 & 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.

### Dixon Specialty Products

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