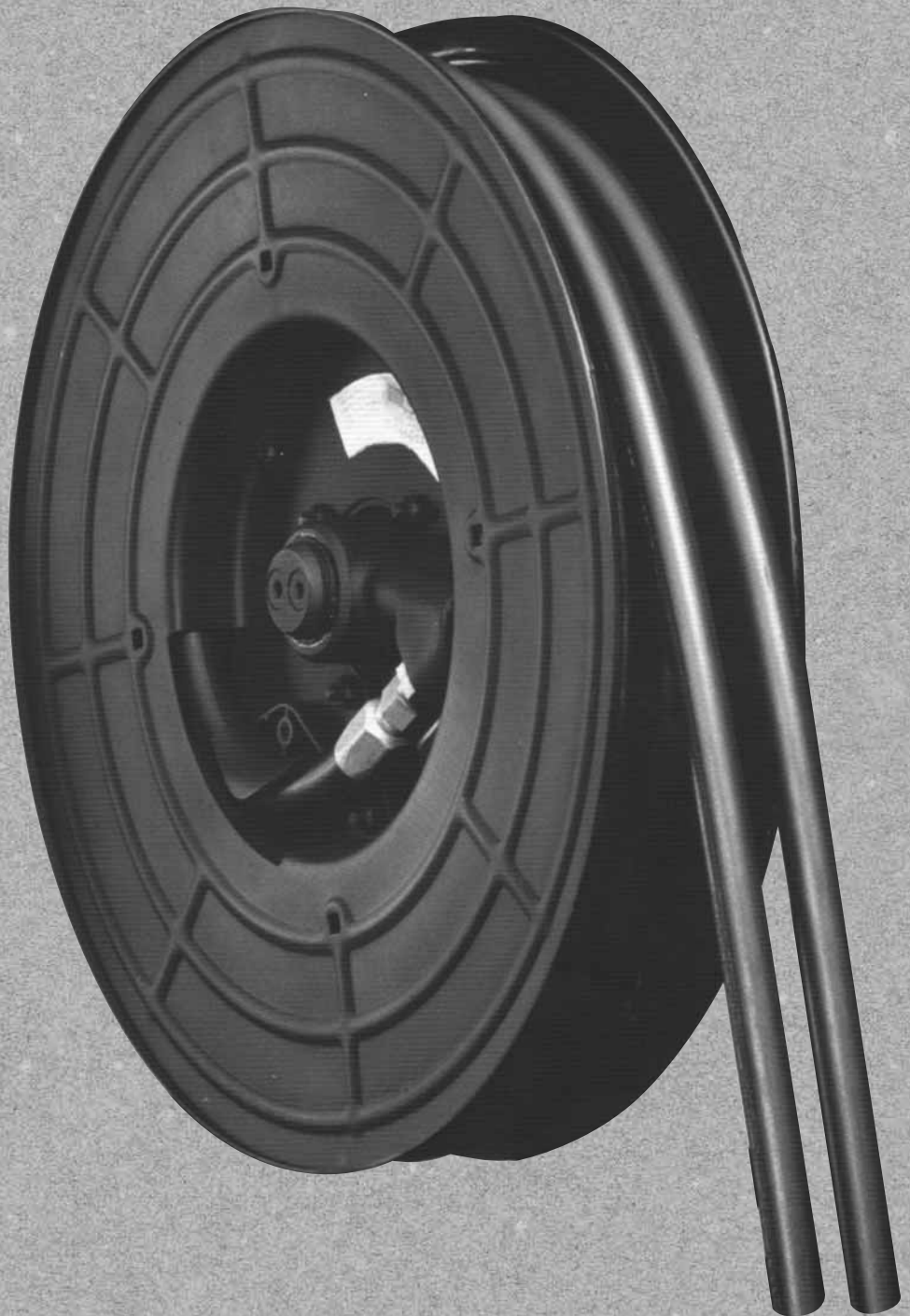




*Single function hydraulic supply for a wide variety of mobile applications*



## Features

### Dramatically Improved Sealing

O-rings and continuous back-up rings, located in the hub, provide a well sealed rotary joint with dramatically improved seal life.



### Patented Accessibility

Hose fittings are readily accessible, permitting hoses to be easily installed or removed without the need to disassemble the reel.



### Full Hose Support

Fully contoured metal flanges, hub and center divider provide support and protect the hoses from chafing. An exclusive hose guide supports the hose at the minimum bend radius to prevent hose kinking.

### Interchangeability

Cascade Single Line Hose reels are directly interchangeable with older Cascade metal and plastic flange reels. The reels mount in exactly the same location. When supplied with fittings, they can be connected directly to existing hoses or tubing.

### Center Divider

A center divider prevents hose cross-over winding.

### Excellent Performance

Good spring torque and low friction seals result in excellent hose wind and rewind capability.

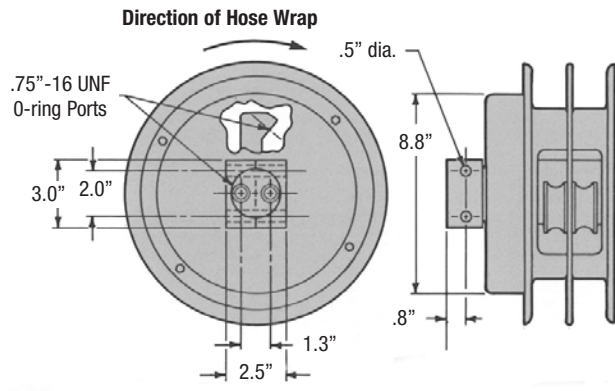
### Automatic Spring Declutching

A Spring declutching device eliminates spring damage when the spring is wound backwards. The spring is wound about a large diameter shaft, resulting in lower spring stresses and longer life.

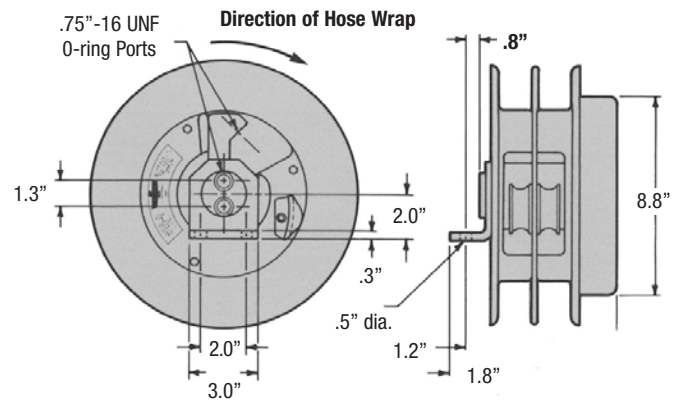
### Low Pressure Loss

Large, unrestricted passages minimize pressure loss through the reel.





Inboard Spring Reel



Outboard Spring Reel

**Inboard Spring Reels**

Catalog Order No.	Mounting Location	Model	Diameter	Usable Hose Length ①									Weight without hoses	
				SAE 100-R1			SAE 100-R2			SAE 100-R5				
				#5	#6	#8	#6	#5	#6	#8	#5	#6	lbs.	kg.
<b>Narrow Width</b>														
679532	RH	H2R	11.5"	130"	75"	45"	45"	135"	75"	50"	140"	75"	25	11
679533	LH	H2L	11.5"	130"	75"	45"	45"	135"	75"	50"	140"	75"	25	11
679534	RH	H8R	14.5"	270"	180"	120"	115"	275"	180"	140"	285"	175"	26	12
679535	LH	H8L	14.5"	270"	180"	120"	115"	275"	180"	140"	285"	175"	26	12
679536	RH	H6R	16.5"	365"	240"	170"	160"	375"	240"	190"	400"	235"	27	12
679537	LH	H6L	16.5"	365"	240"	170"	160"	375"	240"	190"	400"	235"	27	12
<b>Medium Width</b>														
679538	RH	H4R	11.5"	185"	120"	70"	70"	195"	120"	85"	205"	115"	29	13
679539	LH	H4L	11.5"	185"	120"	70"	70"	195"	120"	85"	205"	115"	29	13
<b>Wide Width</b>														
679540	RH	H1R	11.5"	310"	210"	145"	135"	320"	210"	165"	335"	205"	30	14
679541	LH	H1L	11.5"	310"	210"	145"	135"	320"	210"	165"	335"	205"	30	14

**Outboard Spring Reels**

Catalog Order No.	Mounting Location	Model	Diameter	Usable Hose Length ①									Weight	
				SAE 100-R1			SAE 100-R2			SAE 100-R5				
				#5	#6	#8	#6	#5	#6	#8	#5	#6	lbs.	kg.
<b>Medium Width</b>														
679542	RH	H3R	11.5"	185"	120"	70"	70"	195"	120"	85"	205"	115"	29	13
679543	LH	H3L	11.5"	185"	120"	70"	70"	195"	120"	85"	205"	115"	29	13
<b>Wide Width</b>														
679544	RH	H5R	11.5"	310"	210"	145"	135"	320"	210"	165"	335"	205"	30	14
679545	LH	H5L	11.5"	310"	210"	145"	135"	320"	210"	165"	335"	205"	30	14

Notes: ① Add 20 inches to usable length for prewrap.

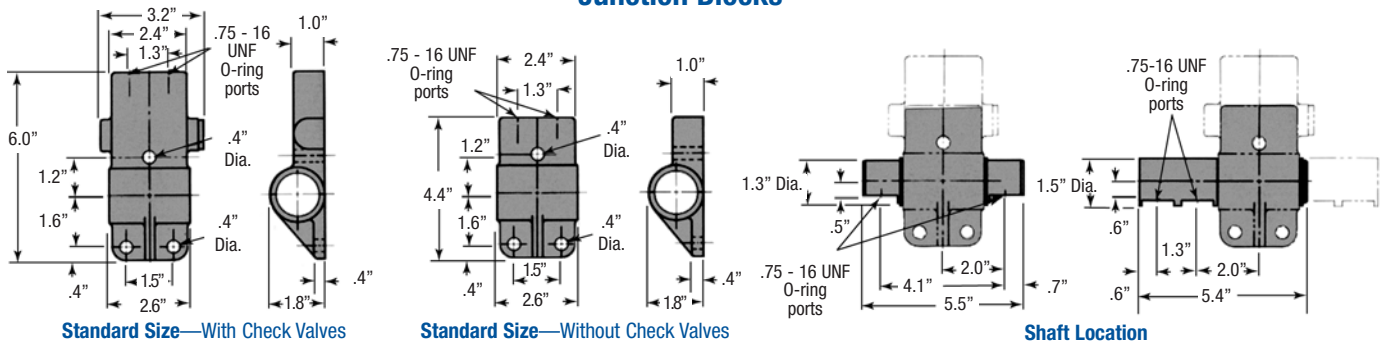
**HOSE TYPES:**

- SAE 100-R1—Rubber covered single wire braid hose.
- SAE 100-R5—Cloth covered single wire braid hose.
- SAE 100-R2—Rubber covered double wire braid hose.
- SAE 100-R7—Thermoplastic hydraulic hose.

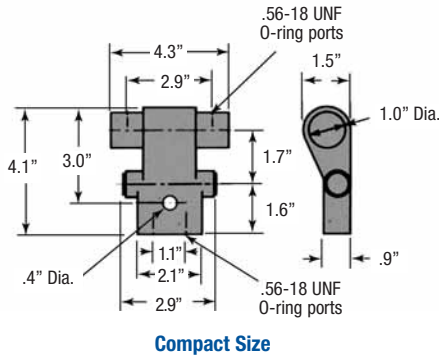
**HYDRAULICS:**

- Pressure—3000 PSI Maximum
- Flow—Dependent on hose (refer to hose manufacturer for specs)
- Temp—Ambient temperature range -20°F (-7°C) to +100°F (+38°C)

**Junction Blocks**



**Junction Blocks (continued)**



**Junction Blocks**

Hose reel junction blocks provide a hose swivel connection at the truck carriage.

Type	Model	Catalog Order No.	Shaft Location	Size
Without Check Valves	J3R	679997	Right	Standard
Check Valves	J3L	679998	Left	
	J3C	679999	Center	
With Check Valves	J1C	680116	Center	Compact
	J2R	679994	Right	Standard
	J2L	679995	Left	
	J2C	679996	Center	

**Junction Block Fittings**

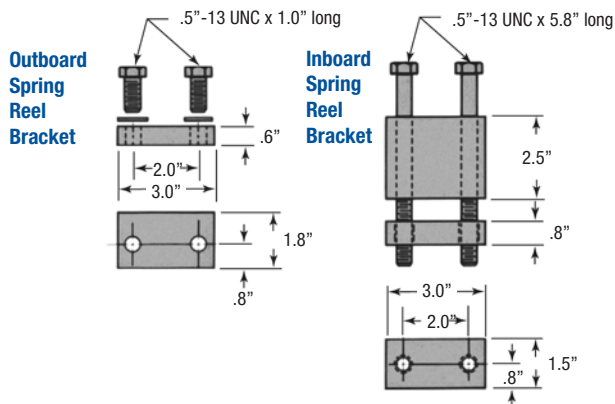
Hose Size	Model	Catalog Order No.
#5	J1	646375
#6		646374
#8		646376
#5	J2 & J3	646319
#6		646318
#8		646317

**Mounting Brackets**

	Mast Type	Catalog Order No.
<b>Inboard Spring</b>	All Masts	629330
<b>Outboard Spring</b>	All Masts	615492

**Hose Reel Fitting Group**

Hose Size	Model	Catalog Order No.
#5	Inboard Spring	646063
#6		646062
#8		646061
#5	Outboard Spring	646308
#6		646307
#8		646306



**To Calculate Hose Lengths**

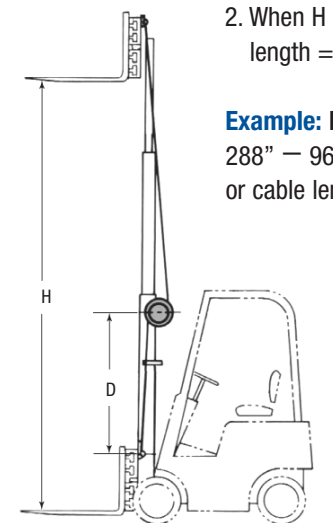
**H** = Total lift height

**D** = Distance from centerline of reel to junction block

1. When **H** is equal to, or greater than,  $2 \times D$  then line length =  $H - D + 20$  inches.

2. When **H** is less than  $2 \times D$  then line length =  $D + 32$  inches.

**Example:**  $H = 288''$      $D = 96''$   
 $288'' - 96'' + 20'' = 212''$  reel hose or cable length.



**Note:** It is essential that 20 inches of hose be prewrapped on the reel at all times. This amount is included when using this formula for calculating line length.