







STSPHERE LOCKT

EDITION 0719



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Series Index

SLA-45EL14	SLB-FLM8
SLA-90EL13	SLB-FMR9
SLA-BUNA12	SLB-FP7
SLA-FH12	SLB-FPLG8
SLA-FLF	SLB-LR6
SLA-FLM	SLB-LV 11
SLA-FPLG14	SLB-MH6
SLA-LV14	SLB-MP7
SLA-MH13	SLB-MPLG7
SLA-MPLG14	SLB-MRHS10
SLA-SP12	SLB-MSHS10
SLB-45EL9	SLB-SP11
SLB-90EL9	SLB-TMFM11
SLB-BUNA12	SLB-TMFF11
SLB-FH6	SLB-YFMM10
SLB-FLF	SLB-YMFF10





Sphere Lock[™] Advantages

General Applications: Transfer of freshwater or wastewater in agricultural, construction, septic, mining and other industrial applications.

Construction: High-grade, high-tensile, hot dipped galvanized steel

Service Temperature Range: -40°F (-40°C) to +250°F (+121°C)

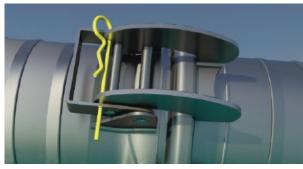
Sphere Lock[™] couplings, also referred to as ball and socket couplings, consist of male (ball) and female (socket) ends. The rounded male end nests in the concave female end, which contains a Buna gasket for sealing. The connection is tightened by pushing down on a lever or bar.

Sphere Lock[™] couplings are highly durable, with excellent resistance to impacts and vibration, making them ideal for highly demanding outdoor applications. They're able to handle full vacuum and higher pressures than standard cam-lock couplings.

Sphere Lock[™] couplings allow greater ease when connecting than most other coupling types. Whereas most other couplings must be aligned perfectly straight, Sphere Lock[™] couplings can connect at angles of up to 30°, which is beneficial when conditions make a perfectly straight connection difficult.



Safety pins are available for Sphere Lock[™] couplings to prevent an accidental opening while in service, which can lead to unwanted product spillage.



The Sphere Lock[™] coupling's safety pin securely prevents unwanted opening.



Non Sphere Lock[™] handles tied down with rope, susceptable to unwanted opening.

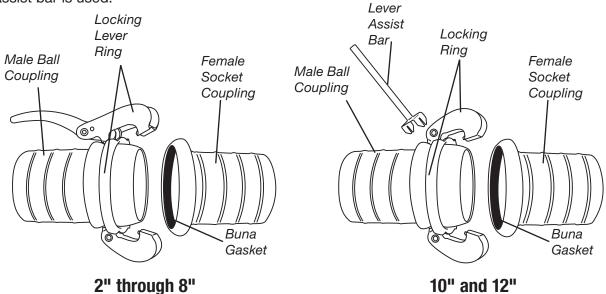




Sphere Lock[™] Connection Types

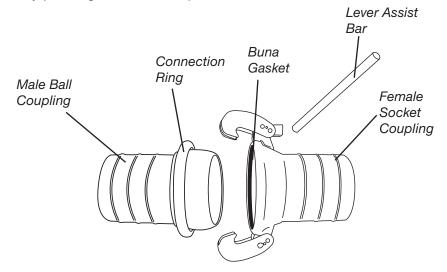
TYPE B CONNECTION

The type B connection is the most popular, consisting of a male ball coupling, female socket coupling and either a locking lever ring (2" through 8") or locking ring (10" and 12"), which fits over the male ball coupling's shank. The latches on the locking rings hook onto the female coupling and are tightened by either pushing down on the locking lever ring's handle, or in the case of the locking ring, a separate lever assist bar is used.



TYPE A CONNECTION

The type A connection is less common than type B and generally only available in larger sizes. It consists of the male ball coupling, the female socket coupling and a connection ring, which fits over the male ball coupling's shank. Instead of using a separate locking lever ring on the male ball coupling, the latches are attached directly to the female socket coupling and hook over the connection ring on the male. The connection is tightened by pushing down on a separate lever assist bar.





Female Socket x Hose Shank (Type B) (Includes Buna Gasket)

Nominal Specifications							
Part Number Size (in) Number Size (in) Vorking Pressure (psi) (lbs)							
SLB-FH200	2	290	0.81	1			
SLB-FH300	3	290	1.56	1			
SLB-FH400	4	217	3.81	1			
SLB-FH600	6	175	6.34	1			
SLB-FH800	8	175	11.66	1			
SLB-FH1000	10	175	20.26	1			
SLB-FH1200	12	175	21.82	1			

Male Ball x Hose Shank (Type B)

Nominal Specifications					
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton	
SLB-MH200	2	290	0.79	1	
SLB-MH300	3	290	1.50	1	
SLB-MH400	4	217	3.53	1	
SLB-MH600	6	175	5.58	1	
SLB-MH800	8	175	10.25	1	
SLB-MH1000	10	175	21.05	1	
SLB-MH1200	12	175	22.11	1	

Locking Lever Ring (Type B)

Nominal Specifications					
Part Number	Size (in)	Standard Carton			
SLB-LR200	2	290	1.01	1	
SLB-LR300	3	290	2.31	1	
SLB-LR400	4	217	4.45	1	
SLB-LR600	6	175	9.30	1	
SLB-LR800	8	175	13.49	1	

Locking Ring (Type B)*

Nominal Specifications					
Part Number	Weight Each (Ibs)	Standard Carton			
SLB-LR1000	10	175	24.27	1	
SLB-LR1200	12	175	35.05	1	

* Requires Lever Assist Bar (Type B) to couple (SLB-LV) page 11.











Female Socket x Male NPT (Type B) (Includes Buna Gasket)

Nominal Specifications						
Part Number	Size (in)	Standard Carton				
SLB-FP200	2	290	0.97	1		
SLB-FP300	3	290	1.78	1		
SLB-FP400	4	217	3.59	1		
SLB-FP600	6	175	7.12	1		
SLB-FP800	8	175	13.57	1		

Male Ball x Male NPT (Type B) (Includes Locking Lever Ring)

Nominal Specifications						
Part Number	Standard Carton					
SLB-MP200	2	290	3.04	1		
SLB-MP300	3	290	6.18	1		
SLB-MP400	4	217	10.62	1		
SLB-MP600	6	175	22.61	1		
SLB-MP800	8	175	38.18	1		

Male Ball Plug (Type B) (Includes Locking Lever Ring)*

Nominal Specifications					
Part Number	Weight Each (Ibs)	Standard Carton			
SLB-MPLG200	2	290	1.52	1	
SLB-MPLG300	3	290	2.98	1	
SLB-MPLG400	4	217	6.33	1	
SLB-MPLG600	6	175	12.66	1	
SLB-MPLG800	8	175	19.88	1	
SLB-MPLG1200	12	175	48.72	1	

* 12" size includes Locking Ring, requires Lever Assist Bar (Type A) to couple (SLA-LV) page 14.







Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

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Female Socket Plug (Type B)

(Includes Buna Gasket)

Nominal Specifications					
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton	
SLB-FPLG200	2	290	0.39	1	
SLB-FPLG300	3	290	0.75	1	
SLB-FPLG400	4	217	2.20	1	
SLB-FPLG600	6	175	4.03	1	
SLB-FPLG800	8	175	7.65	1	
SLB-FPLG1200	12	175	19.18	1	



Male Ball x 150# ASA Flange (Type B)

(Includes Locking Lever Ring)

Nominal Specifications					
Part Number	Size (in)	Working Pressure (psi)	Flange Bolt Holes (number)	Weight Each (Ibs)	Standard Carton
SLB-FLM400	4	217	8	14.33	1
SLB-FLM600	6	175	8	23.48	1
SLB-FLM800	8	175	8	37.37	1
SLB-FLM1000	10	175	12	58.89	1
SLB-FLM1200	12	175	12	80.10	1

Female Socket x 150# ASA Flange (Type B)

(Includes Buna Gasket)

Nominal Specifications					
Part Number	Size (in)	Working Pressure (psi)	Flange Bolt Holes (number)	Weight Each (Ibs)	Standard Carton
SLB-FLF400	4	217	8	9.34	1
SLB-FLF600	6	175	8	13.16	1
SLB-FLF800	8	175	8	20.27	1
SLB-FLF1000	10	175	12	30.84	1
SLB-FLF1200	12	175	12	46.85	1

Denotes non-stock item. Contact Kuriyama customer service for price and availability.







SPHERE LOCK

90 Degree Elbow Female Socket x Male Ball (Type B)

(Includes Buna Gasket and Locking Lever Ring)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLB-90EL400	4	217	12.05	1
SLB-90EL600	6	175	26.09	1
SLB-90EL800	8	175	32.76	1
SLB-90EL1200	12	175	79.71	1



45 Degree Elbow Female Socket x Male Ball (Type B)

(Includes Buna Gasket and Locking Lever Ring)

Nominal Specifications					
Part Number Size (in) Working Weight Pressure Each (psi) (lbs) Cartor					
SLB-45EL400	4	217	10.06	1	
SLB-45EL600	6	175	20.10	1	
SLB-45EL800	8	175	28.46	1	
SLB-45EL1200	12	175	70.11	1	

Female Socket x Male Ball Reducer (Type B)

(Includes Buna Gasket and Locking Lever Ring)

Nominal Specifications					
Part Number	Female Socket Size (in)	Male Ball Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLB-FMR6040	6	4	175	10.75	1
SLB-FMR8060	8	6	175	22.15	1
SLB-FMR4060	4	6	175	15.30	1
SLB-FMR6080	6	8	175	25.74	1





Denotes non-stock item. Contact Kuriyama customer service for price and availability.



Male Ball x Round Hole Strainer (Type B)

(Includes Locking Lever Ring)

Nominal Specifications					
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton	
SLB-MRHS400	4	217	10.95	1	
SLB-MRHS600	6	175	20.83	1	
SLB-MRHS800	8	175	42.88	1	
SLB-MRHS1200	12	175	74.29	1	

Male Ball x Square Hole Strainer (Type B) (Includes Locking Lever Ring)

Nominal Specifications

Part Number	- Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLB-MSHS400	4	217	12.96	1
SLB-MSHS600	6	175	23.58	1
SLB-MSHS800	8	175	35.27	1

Male Ball Outlet Y

(Includes Buna Gaskets and Locking Lever Ring)

Nominal Specifications					
Part Number	Size (in)	Standard Carton			
SLB-YMFF400	4	217	13.00	1	
SLB-YMFF600	6	175	32.40	1	
SLB-YMMF800	8	175	42.00	1	
SLB-YMMF1200	12	175	129.00	1	

Female Socket Outlet Y (Type B) (Includes Buna Gasket and Locking Lever Rings)

Nominal Specifications						
Part Number	Size (in) Working Weight Standar Pressure Each Carton (psi) (lbs)					
SLB-YFMM400	4	217	18.00	1		
SLB-YFMM600	6	175	35.00	1		
SLB-YFMM800	8	175	57.00	1		
SLB-YFMM1200	12	175	165.00	1		

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Male Ball Outlet Tee (Type B) (Includes Buna Gasket and Locking Lever Rings)

Nominal Specifications						
Part Number	Size (in) Working Weight Pressure Each (psi) (lbs)					
SLB-TMFM400	4	217	19.97	1		
SLB-TMFM600	6	175	36.39	1		
SLB-TMFM800	8	175	55.86	1		
SLB-TMFM1200	12	175	138.44	1		



Female Socket Outlet Tee (Type B) (Includes Buna Gaskets and Locking Lever Ring)

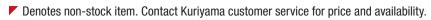
Nominal Specifications							
Part Number	Size (in) Working Weight Pressure Each (psi) (lbs) Carton						
SLB-TMFF400	4	217	14.43	1			
SLB-TMFF600	6	175	25.16	1			
SLB-TMFF800	8	175	43.02	1			
SLB-TMFF1200	12	175	106.03	1			

Safety Pin (Type B)

Nominal Specifications				
Part Number	Size (in)	Weight Each (Ibs)	Standard Carton	
SLB-SP200	2	0.03	25	
SLB-SP300	3	0.03	25	
SLB-SP400	4	0.06	25	
SLB-SP600	6 & 8	0.09	25	
SLB-SP1000	10 & 12	0.15	10	

Lever Assist Bar (Type B)

Nominal Specifications				
Part Size (in) Weight Each Standard Number Carton				
SLB-LV1000	10 & 12	2.23	1	











SPHERE LOCK



Buna Gasket (Type B)

Nominal Specifications				
Part Number	Size (in)	Weight Each (lbs)	Standard Carton	
SLB-BUNA200	2	0.04	1	
SLB-BUNA300	3	0.13	1	
SLB-BUNA400	4	0.24	1	
SLB-BUNA600	6	0.48	1	
SLB-BUNA800	8	0.57	1	
SLB-BUNA1000	10	1.10	1	
SLB-BUNA1200	12	1.76	1	

Safety Pin (Type A)

Nominal Specifications				
Part Number	Size (in)	Weight Each (lbs)	Standard Carton	
SLA-SP1000	10	0.08	10	
SLA-SP1200	12	0.19	10	

Buna Gasket (Type A)

Nominal Specifications				
Part Number	Size (in)	Weight Each (Ibs)	Standard Carton	
SLA-BUNA1000	10	1.08	1	
SLA-BUNA1200	12	1.50	1	

Female Socket x Hose Shank (Type A)

(Includes Buna Gasket)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLA-FH1000	10	72	25.00	1
SLA-FH1200	12	72	43.00	1

Note: Other sizes available upon request. Contact Kuriyama Customer Service for details.

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Male Ball x Hose Shank (Type A)

(Includes Connection Ring)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLA-MH1000	10	72	29.00	1
SLA-MH1200	12	72	43.85	1

Note: Other sizes available upon request. Contact Kuriyama Customer Service for details.

Male Ball x 150 # ASA Flange (Type A)

(Includes Connection Ring)

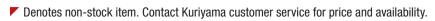
Nominal Specifications					
Part Number	Size (in)	Working Pressure (psi)	Flange Bolt Holes (number)	Weight Each (lbs)	Standard Carton
SLA-FLM1000	10	72	12	42.00	1
SLA-FLM1200	12	72	12	60.41	1

Female Socket x 150# ASA Flange (Type A) (Includes Buna Gasket)

Nominal Specifications					
Part Number	Size (in) Working Flange Weight Pressure Bolt Holes Each (psi) (number) (lbs)				
SLA-FLF1000	10	72	12	41.00	1
SLA-FLF1200	12	72	12	63.23	1

90 Degree Elbow Female Socket x Male Ball (Type A) (Includes Buna Gasket)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (lbs)	Standard Carton
SLA-90EL1200	12	72	15.00	1















45 Degree Elbow Female Socket x Male

Ball (Type A)

(Includes Buna Gasket)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLA-45EL1200	12	72	18.00	1



Female Socket Plug (Type A)

(Includes Buna Gasket)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (Ibs)	Standard Carton
SLA-FPLG1200	12	72	35.02	1



Male Ball Plug (Type A)

Nominal Specifications				
Part Number	Size (in)	Working Pressure (psi)	Weight Each (lbs)	Standard Carton
SLA-MPLG1200	12	72	34.73	1



Lever Assist Bar (Type A)

Nominal Specifications				
Part Number	Size (in)	Weight Each (Ibs)	Standard Carton	
SLA-LV1200	12	4.00	1	



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Notes

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