



Ball and Shanks



Used on wire halyards to provide a point of attachment for halyard locks. Specify direction of installed shank if ordering an assembly. Will not develop the full breaking strength of the original cable so user must determine its suitability. Call for quantity pricing.



Part No.	Wire Size
SWBS02	1/16"
SWBS03	3/32"
SWBS04	1/8"
SWBS05	5/32"
SWBS06	3/16"
SWBS07	7/32"
SWBS08	1/4"
SWBS09	9/32"
SWBS10	5/16"

Oval Sleeves

Zinc Plated Copper. Must be installed with properly adjusted tool to develop full rated holding strength. Call for quantity price.



Part No.	Wire Size
OS02	1/16"
OS03	3/32"
OS04	1/8"
OS05	5/32"
OS06	3/16"
OS07	7/32"
OS08	1/4"
OS10	5/16"
OS12	3/8"
OS16	1/2"

Stop Sleeves

Copper when properly installed on 3x7, 7x7, 7x19 and 6x19 wire, stop sleeves are capable of holding only 1/3 to 1/2 of the rated breaking strength of the cable to which they are attached.



Part No.	Wire Size
SS02	1/16"
SS03	3/32"
SS04	1/8"
SS05	5/32"
SS06	3/16"
SS07	7/32"
SS08	1/4"

Thimbles, Cast



Precision cast 304SS. Also known as Sailmaker's Thimbles, used with hi-tech ropes for running backs or luff lines in asymmetrical sails. Also used with 7x19 wire for high-load applications. 304SS



Part No.	Wire Size
TC08	1/4"
TC10	5/16"
TC12	3/8"
TC16	1/2"
TC20	5/8"
TC24	3/4"
TC32	1"

Thimbles



Stamped 304SS. Also known as a split thimble, can be pried open to fit over rings or shackles. Often used in conjunction with 7x19 wire and oval sleeves.



Part No.	Wire/ Rope Diameter
T02	1/16"-3/32"
T04	1/8"
T05	5/32"
T06	3/16"-7/32"
T08	1/4"
T10	5/16"
T12	3/8"
T16	1/2"
T20	5/8"
T24	3/4"
T28	7/8"
T32	1"
T36	1 1/8"
T40	1 1/4"

Clevis Pins



Part numbers with * are correct length for corresponding aircraft fork pin hole. Grip length is measured from inside of head to inside of cotter pin hole. Part numbers are dimensions in 32nds of an inch. 316SS

Part No.	Diameter	Grip Length
CP0609-1*	3/16"	9/32"
CP0613-1*	3/16"	13/32"
CP0814-1*	1/4"	7/16"
CP0816-1	1/4"	1/2"
CP0820-1	1/4"	5/8"
CP0826-1	1/4"	13/16"
CP1018-1*	5/16"	9/16"
CP1020-1	5/16"	5/8"
CP1021-1*	5/16"	21/32"
CP1022-1	5/16"	11/16"
CP1032-1	5/16"	1"
CP1222-1	3/8"	11/16"
CP1223-1*	3/8"	23/32"
CP1226-1	3/8"	13/16"
CP1240-1	3/8"	1 1/4"
CP1424-1	7/16"	3/4"
CP1425-1*	7/16"	25/32"
CP1428-1	7/16"	7/8"
CP1627-1*	1/2"	27/32"
CP1630-1	1/2"	15/16"
CP1636-1	1/2"	1 1/8"
CP1650-1	1/2"	1 9/16"
CP1827-1*	9/16"	27/32"
CP1832-1	9/16"	1"
CP2034-1	5/8"	1 1/16"
CP2036-1	5/8"	1 1/8"
CP2042-1	5/8"	1 5/16"
CP2056-1	5/8"	1 3/4"
CP2068-1	5/8"	2 1/8"
CP2440-1	3/4"	1 1/4"
CP2450-1	3/4"	1 9/16"
CP2468-1	3/4"	2 1/8"
CP2854-1	7/8"	1 11/16"
CP2890-1	7/8"	2 13/16"
CP3254-1	1"	1 11/16"

Cotter Pins

Stainless steel cotter pins. Buy an assortment, as many clevis pins of the same diameter have different size holes for cotter rings. Check website for wider variety and package pricing of cotter pints. Bronze available by special order. 18-8 SS



Part No.	Grip	Diameter
COTP0224	3/4"	1/16"
COTP0324	3/4"	3/32"
COTP0332	1"	3/32"
COTP0348	1 1/2"	3/32"
COTP0432	1"	1/8"
COTP0540	1 1/4"	5/32"
COTP0648	1 1/2"	3/16"
COTP0864	2"	1/4"

Cotter Rings



Cotter rings, in our opinion, should not be used in standing rigging applications, and are more commonly used on life-line pins and turnbuckles where they can be checked more often for secure engagement. 316 SS



Part No.	For Pin Dia.	ID Ring
COTR12-2	3/16"	3/8"
COTR20-2	3/16-1/4"	5/8"
COTR20PT-2*	3/16-1/4"	5/8"
COTR24-2	1/4-3/8"	3/4"
COTR28-2**	5/16-3/8"	7/8"
COTR38-2	1/2-5/8"	1-3/16"

* Pigtail
** Heavy Duty for Pelican Hook Pin

Rigging Pins



Rigging pins with a cotter pin in each end are used where a longer pin is needed. Grip is measured from the inside of the cotter pin holes. Cotter pins not included. Stainless steel. Other sizes available by special order. 316 SS

Part No.	Grip	Description
RP0848-3	1/4"	1 1/2"
RP0864-3	1/4"	2"
RP0880-3	1/4"	2 1/2"
RP1064-3	5/16"	2"
RP10112-3	5/16"	3 1/2"
RP1256-3	3/8"	1 3/4"
RP1264-3	3/8"	2"
RP12112-3	3/8"	3 1/2"
RP1432-3	7/16"	1"
RP1440-3	7/16"	1 1/4"
RP1448-3	7/16"	1 1/2"
RP1464-3	7/16"	2"
RP1664-3	1/2"	2"
RP1672-3	1/2"	2 1/4"
RP1680-3	1/2"	2 1/2"
RP1696-3	1/2"	3"
RP16112-3	1/2"	3 1/2"
RP16208-3	1/2"	6 1/2"
RP2064-3	5/8"	2"
RP2080-3	5/8"	2 1/2"
RP20112-3	5/8"	3 1/2"
RP20206-3	5/8"	6 1/2"



Adjusters

Johnson Stay Adjusters

Stay Adjuster - Quick Release
Developed for dry sailed one-design dinghies. When the Quick Release pin is pulled, easy adjustment and unrigging can be obtained.

Part No.	Upper Pin	Lower Pin	SWL
J15-212	3/16"	1/4"	400 lbs



Johnson Shroud Adjusters - Single Row Hole

Single row hole adjusters are good for applications where precise tuning is not required.

Part No.	Total ADJ.	Pin Dia.	SWL
J15-203	3 1/4"	3/16"	400 lbs
J15-205*	2 5/8"	1/4"	1,000 lbs

* Calibrated.



Johnson Shroud Adjusters - Double Row Hole

These double row hole adjusters offer more precise tuning for stays and shrouds.

Part No.	Total ADJ.	Pin Diameter		SWL
		Upper	Lower	
J15-204-1*	2 1/2"	3/16"	1/4"	400 lbs
J15-204	2 1/2"	3/16"	3/16"	400 lbs

* Calibrated.



Wichard Inner Forestay Tang

Easy way to add an inner forestay. Cut 3/8" x 4" slot in mast, insert each half, bolt together, and rivet in place. 18mm Pin.

Part No.
W9150



Johnson Quick Release Levers

Trailerable boats up to 30' feet find that a lever on the forestay greatly facilitates stepping and unstepping the mast. See Johnson Marine or our website for more details.

Part No.	Wire Size	Pin Dia.	SWL	Pin-to-Pin
J14-205	to 1/8"	1/4"	1,000 lbs	8-3/8" max. 7-3/8 min.
J14-206	to 5/32"	5/16"	1,000 lbs	8-3/8" max. 6-7/8 min.
J14-210	5/32", 3/16"	5/16"	1,600 lbs	10-7/8" max. 9-3/8 min.
J14-211	5/32"	5/16"	1,600 lbs	Depending on wire size
J14-212	3/16"	5/16"	1,600 lbs	Depending on wire size



Johnson Inner Forestay Levers - 316 SS

Part No.	Pin Size	SWL	Thread Size	Weight
J54-800	1/2"	4,300 lbs.	1/2" x 20	3.5 lbs
J54-850	5/8"	5,800 lbs.	5/8" x 18	3.5 lbs

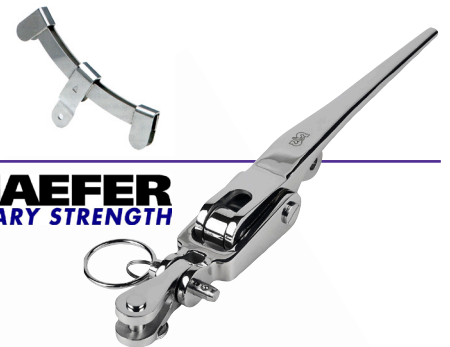
Threaded stud not included.



Johnson Inner Forestay Storage Bridle

12" long overall, welded type 316 SS. Keeps inner forestay secure while stowed. Center bracket eyelet measures 3/8". For use with up to 1/2" inner forestays.

Part No.
J49-250



Schaefer Inner Forestay Lever

Schaefer's new SRL-500 is similar in look and function to the old ABI forestay release levers but miles ahead in quality and finish. Made from highly polished cast 316 Stainless Steel.

Part No.	Pin Dia.	Length Open	Length Closed
SCHSRL-500	1/2"	13 3/4"	9 3/4"

Harken Single-Acting Integral Hydraulic Backstay Adjusters

Harken's integral hydraulic backstay adjuster provides the power to optimize sail shape quickly for racers and adjust mast tension for smoother furling for cruisers. The cylinder features a built-in, single acting pump. An appropriately sized strap toggle is recommended with installation. See page 32 for strap toggles.

Part No.	Max Wire	Stroke	Weight	Gap/Pin Ø
HCI006BCC	7/32"	14.17"	8.36 lbs.	7/16"
HCI010BCC	9/32"	14.17"	8.36 lbs.	1/2"
HCI012BCC	5/16"	14.17"	9.72 lbs.	5/8"
HCI017BCC	3/8"	14.17"	9.72 lbs.	5/8"

Strap Toggle recommended - See page 32 for Stainless Steel strap toggles.



SLEEVES, PINS & ADJUSTERS