

# Nylite™ Assemblies

Spool, shield, and shackle



## Description

Easily installed into or removed from a premade soft eye. Nylite spool is only 1/7th the weight of steel. Connectors will not deform or rupture from repeated loadings. The shackle takes advantage of the high-strength Nylite connector and synthetic rope.

## Working Details

- Working loads, as given, are based on pin-bore relationships provided by use of the Nylite Shackle. When using a non-standard pin, the working load as given DOES NOT APPLY.
- The HP aluminum spool is available for use with high-performance Class II ropes in sizes -1 through -5.
- Aluminum spools are not recommended for continuous use in submerged marine environments.
- All working load values are based on a 4:1 safety factor.
- Assembly ratings are based on the use of designated spools and shackles. Spools used in conjunction with other hardware are not rated by Samson.

# Class I Assembly with Nylon Spool

Class I Assembly with Nylon Spool, Class II Assembly Nylite Assembly with HP Aluminum Spool Specifications

Shackle Type	Product Code	Size	Shield Color	Fits Rope Diameter (min)		Fits Rope Circumference (max)		Minimum Eye Size	Assembly Working Load	Weight Each
Zinc Plated	964-0320	-1	Blue	3/8"	1/2"	1-1/8"	1-1/2"	2-3/16"	1.1 tons	0.50 lb
Zinc Plated	964-0400	-2	Red	9/16"	5/8"	1-3/4"	2"	2-3/4"	1.6 tons	1.0 lb
Galvanized	964-0520	-3	Green	3/4"	13/16"	2-1/4"	2-1/2"	3-3/4"	2.5 tons	1.6 lb
Galvanized	964-0680	-4	Orange	7/8"	1-1/16"	2-3/4"	3-1/4"	4-7/8"	4.5 tons	3.8 lb
Galvanized	964-0840	-5	Black	1-1/8"	1-5/16"	3-1/2"	4"	6-1/8"	7.5 tons	6.2 lb
Galvanized	964-1120	-6	Yellow	1-1/2"	1-3/4"	4-1/2"	5-1/2"	7-5/8"	12.5 tons	19.0 lb
Galvanized	964-1440	-7	Black	2"	2-1/4"	6"	7"	9-3/4"	20.0 tons	24.0 lb
Galvanized	964-1680	-8	Black	2-1/2"	2-5/8"	7-1/2"	8"	11-1/4"	25.0 tons	38.0 lb
Galvanized	964-2080	-9	Black	2-3/4"	3 1/4"	8-1/2"	10"	14"	35.0 tons	64.0 lb

\*-1 and -2 shackles are Electrolytic Zinc coated per ASTM B633-07 SC2 Type III. Sizes -3 through -9 shackles are hot-dip galvanized per ASTM A123.

# Class II Nylite Assembly with HP Aluminum Spool

Class I Assembly with Nylon Spool, Class II Assembly Nylite Assembly with HP Aluminum Spool Specifications

Shackle Type	Product Code	Size	Shield Color	Fits Rope Diameter (min)		Fits Rope Circumference (max)		Minimum Eye Size	Assembly Working Load	Weight Each
Zinc Plated	964-0321	-1	Blue	3/8"	1/2"	1-1/8"	1-1/2"	2-3/16"	2.7 tons	0.53 lb
Zinc Plated	964-0401	-2	Red	9/16"	5/8"	1-3/4"	2"	2-3/4"	4.8 tons	1.1 lb
Galvanized	964-0521	-3	Green	3/4"	13/16"	2-1/4"	2-1/2"	3-3/4"	5.8 tons	1.8 lb
Galvanized	964-0681	-4	Orange	7/8"	1-1/16"	2-3/4"	3-1/4"	4-7/8"	11.5 tons	4.1 lb
Galvanized	964-0841	-5	Black	1-1/8"	1-5/16"	3-1/2"	4"	6-1/8"	14.0 tons	6.8 lb

\* -1 and -2 shackles are Electrolytic Zinc coated per ASTM B633-07 SC2 Type III. Sizes -3 through -5 shackles are hot-dip galvanized per ASTM A123.

Shackle Type	Product Code	Size	Shield Color	Fits Rope Diameter (min)		Fits Rope Circumference (max)		Minimum Eye Size	Assembly Working Load
-10.46"	1.50"	0.44"	0.88"	1.08"	1.11"	2.41"	0.38"	1.99"	2.34"
-2 0.58"	1.75"	0.56"	1.13"	1.21"	1.38"	3.11"	0.50"	2.38"	2.88"
-3 0.64"	2.25"	0.63"	1.38"	1.61"	1.77"	3.54"	0.56"	3.02"	3.70"
-4 0.89"	3.00"	0.88"	1.75"	1.90"	2.29"	4.70"	0.75"	3.79"	4.71"
-5 1.02"	3.75"	1.00"	2.13"	2.15"	2.85"	5.55"	0.88"	4.85"	5.95"
-6 1.54"	5.00"	1.50"	2.63"	3.14"	3.80"	7.75"	1.37"	6.30"	7.85"
-7 1.75"	6.25"	1.63"	3.25"	3.75"	4.80"	8.90"	1.50"	7.93"	9.89"
-8 2.00"	7.25"	1.75"	3.75"	4.13"	5.61"	10.13"	1.75"	9.24"	11.47"
-9 2.25"	9.00"	2.00"	4.63"	5.06"	6.95"	12.15"	2.00"	11.45"	14.28"

\* Sizes -1 to -5 are supplied with jam nuts and cotter pins. Larger sizes have cotter pins and standard nuts.

