Swage Sockets

Failure to follow warnings and instructions may result in serious injury or death. Make sure purchasers and end users read and understand all warnings, cautions and instructions.

All rigging products are sold with the express understanding that the purchaser is thoroughly familiar with the correct application and safe use of the product.

Responsibility for the use and application of the products rest with the user.

Any product will fail if it is abused, misapplied, worn out, or improperly maintained. Failure can cause loads to swing or fall out of control, and may result in personal injury or death, as well as property damage, therefore -

Never exceed the Rated Capacity for the product.

The Rated Capacity (RC) is the maximum load which should ever be applied to the product. Catalog RC ratings are based on usual environmental conditions.

When wire rope diameters are mentioned in this catalog, the included hardware and fittings are for those diameters only. Do not exceed the Rated Capacity stated by the rope manufacturer.

Extreme environmental conditions of heat, cold, and/or corrosion, or high-risk applications may necessitate a reduction of the RC.

Avoid shock loads.

Avoid jerking, impacting, swinging or handling loads in such a manner that the RC of the rigging can be exceeded.

Avoid irregular loading.

No rigging fitting should be loaded principally in bending, torsion or shear. Avoid these conditions by loading only in the normal, straight-line pull for which the fitting is designed.

Avoid side loading.

Inspect products regularly.

No product will last indefinitely. Corrosion, wear, deformation, gouges, misuse, abuse, alteration and other conditions will occur and will reduce the Rated Capacity of a product.

Perform periodic inspection to determine when to replace a product and avoid a rigging hazard.

Inspection frequency depends on users' specific applications and local conditions. Always, inspect prior to use.

If a part is judged defective, destroy the part - DO NOT JUST DISCARD IT!

Never permit anyone under a lifted load!

Conduct all lifting operations in such a manner that if an equipment failure should occur, no person will be injured. Keep out from under a load and keep out of a load s line of force.

Do not weld or modify fittings.

Swage fittings are designed to be mechanically attached to the wire rope using Swage Dies and Procedures. Do not weld or otherwise modify swage fittings.

Proper training is important.

Riggers should be properly trained in the design and use or rigging assemblies.

Correct rope length.

Do not use short lengths of rope between swage fittings as this reduces the strength of the assembly.

Performance is adversely affected when there are less than 20 rope diameters or a minimum of 3 feet of free rope between swaged fittings. If assemblies less than 3 feet must be used, testing should be performed to ensure adequate strength.

Swage fitting performance.

Swage fittings are designed to perform satisfactorily when new and when they are applied to the proper size new wire rope using the procedures described in the Swaging Instructions Manual.

Wear and normal use will reduce the Rated Capacity of any assembly. If you have any doubts about a new or used assembly, appropriate inspection and testing should be conducted to ensure adequate performance.

Do not use ferrules for suspending loads.

Ferrules are not intended for use in applications where loads are fully suspended overhead except in some log harvesting systems where adequate precautions are taken.

Other fittings, such as sleeves and sockets, should be used for overhead work.

Use drumline ferrules only in winchline-drum applications.

Drumline ferrules are intended only for use in holding the winchline in the winch drum pocket.

Drumline ferrules must not be used as choker ferrules or for any other purpose than intended.

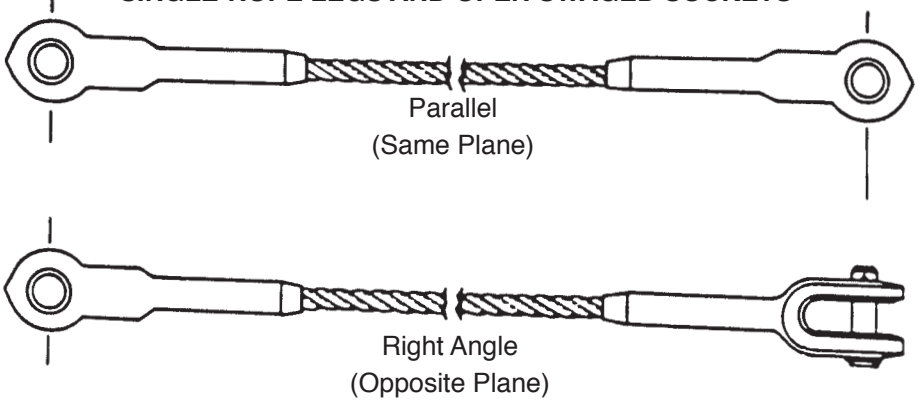
When using drumline ferrules, at least 3 windings of the winchline must remain on the winch drum to avoid direct strain on the drumline ferrules.

Wire Rope Assemblies
Swage Sockets

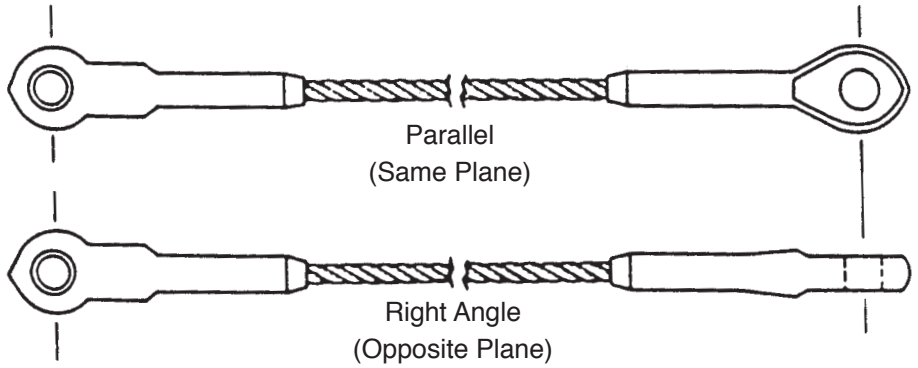
When ordering wire rope with end attachments, lengths - as shown on this page - should be specified. Additionally, the load at which this measurement is taken should be specified, i.e., at no load, at a percentage of nominal strength, etc.

PENDANTS WITH SWAGED FITTINGS

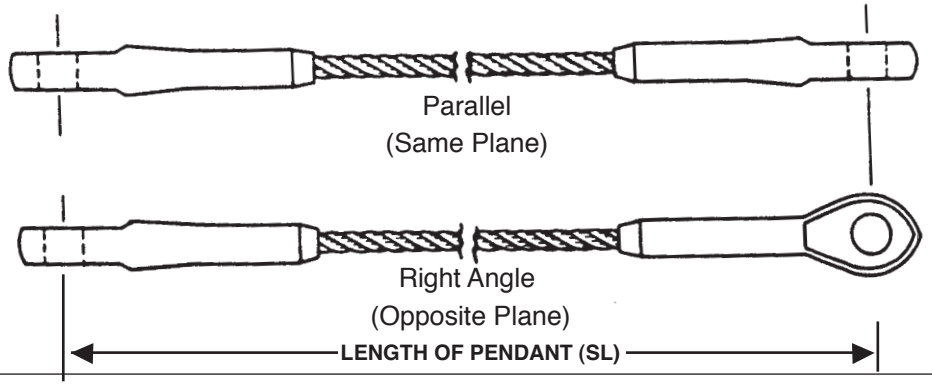
SINGLE-ROPE LEGS AND OPEN SWAGED SOCKETS



SINGLE-ROPE LEGS AND OPEN AND CLOSED SWAGED SOCKETS



SINGLE-ROPE LEGS AND CLOSED SWAGED SOCKETS



Length of Pendant is measured as indicated on sketches.

Note: When ordering, customer should specify parallel or right angle (90°) socket pins.

CLOSED SWAGE SOCKETS
OPEN SWAGE SOCKETS

Vertical or Vertical Basket

Rated capacity in tons of 2,000 lbs.

Rated capacities shown apply only to 6x19 and 6x37 class wire rope

ROPE DIA. (IN.)	IWRC			
	VERTICAL 		VERT. BASKET 	
	EIPS	EEIPS	EIPS	EEIPS
1/4	0.68	0.74	1.3	1.4
5/16	1.1	1.2	1.9	2.1
3/8	1.5	1.7	2.8	3.1
7/16	2.0	2.2	3.8	4.1
1/2	2.7	2.9	4.9	5.4
9/16	3.4	3.7	6.2	6.8
5/8	4.1	4.5	7.6	8.4
3/4	5.9	6.5	11	12
7/8	8.0	8.8	15	16
1	10	11	19	21
1 1/8	13	14	24	26
1 1/4	16	18	30	33
1 3/8	19	21	36	39
1 1/2	23	25	42	46
1 3/4	31	34	57	63
2	40	43	73	80

- **Rated capacities basket hitch based on D/d ratio of 25**
- **Rated capacities based on design factor of 5**
- **Maximum proof load shall not exceed 40% of rope catalog breaking strength**