

Wire Rope Assembly & Fittings

Swaged Sockets

Swaged Sockets Assemblies

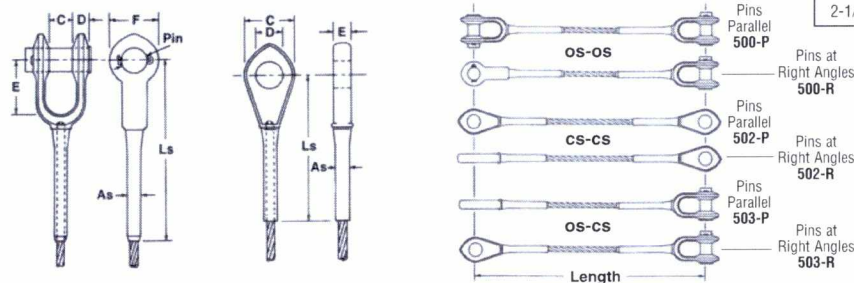
Indicate choice of end fittings on purchase orders by the suffixes "OS" or "CS" after the stock number, for open or closed type fittings, but assemblies may be specified without pins. Pins and cotters are supplied as standard on open fittings, but assemblies may be specified without pins. Fittings will be assembled in the same plane unless specified otherwise on the order.

In mechanically swaged fittings, high pressure presses and precision dies cause metal of the socket to flow around wires and strands to offer the ultimate in compactness and strength with minimum weight. Material is weldless, drop-forged steel. Normally, only regular lay rope is used. Swaged assemblies are interchangeable with poured sockets up through 2" rope diameters. Assembly length is measured from centerline of pins for both open and closed sockets.

* These sockets are not interchangeable with zinc poured sockets.

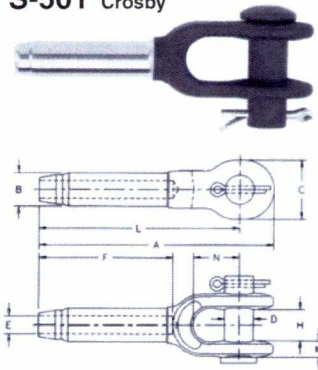
Rope Dia.	Open Socket Diameter (in)						Closed Socket Diameter (in)					Capacity (Tons*)			
	C	D	E	F	PIN	A _s	L _s (Approx.)	C	D	E	A _s	L _s (Approx.)	6 x 19 & 6 x 37 IWRC	IPS	XIP
1/4	11/16	5/16	1-1/2	1-3/8	.688	.438	4-7/16	1-7/16	.750	1/2	.438	3-15/16			
5/16	13/16	13/32	1-3/4	1-5/8	.812	.688	5-15/16	1-11/16	.875	11/16	.688	5-1/8			
3/8	13/16	13/32	1-3/4	1-5/8	.812	.688	5-15/16	1-11/16	.875	11/16	.688	5-1/8			
7/16	1	1/2	2	2	1.00	.875	7-5/8	2	1.063	7/8	.875	6-5/8			
1/2	1	1/2	2	2	1.00	.875	7-5/8	2	1.063	7/8	.875	6-5/8			
9/16	1-1/4	5/8	2-1/4	2-1/2	1.19	1.125	9-3/16	2-1/2	1.250	1-1/8	1.125	8-5/16			
5/8	1-1/4	5/8	2-1/4	2-1/2	1.19	1.125	9-3/16	2-1/2	1.250	1-1/8	1.125	8-5/16			
3/4	1-1/2	3/4	2-3/4	3	1.38	1.375	11-1/4	3	1.438	1-5/16	1.375	9-15/16			
7/8	1-3/4	15/16	3-1/4	3-3/8	1.63	1.50	13-1/8	3-1/2	1.688	1-1/2	1.50	11-5/8			
1	2	1-1/32	3-3/4	4	2.00	1.75	15-1/16	4	2.063	1-3/4	1.75	13-3/16			
1-1/8	2-1/4	1-3/16	4-1/4	4-1/2	2.25	2.00	16-15/16	4-1/2	2.313	2	2.00	14-11/16			
1-1/4	2-1/2	1-3/16	4-3/4	5	2.50	2.25	18-5/8	5	2.563	2-1/4	2.25	16-1/2			
1-3/8	2-1/2	1-5/16	5-1/4	5-1/4	2.50	2.50	20-1/2	5-1/4	2.563	2-1/4	2.50	18-1/8			
1-1/2	3	1-7/16	5-3/4	5-3/4	2.75	2.75	22-5/16	5-1/2	2.813	2-1/2	2.75	19-9/16			
1-3/4	3-1/2	1-11/16	6-3/4	7	3.50	3.00	26	6-3/4	3.563	3	3.00	23			
2	4	1-13/16	8	8	3.75	3.50	30-1/8	7-3/4	3.813	3-1/4	3.50	26-7/16			
2-1/4*	4-1/4	2-1/8	6-3/4	8-3/4	4.25	4.00	31-1/4	8-3/4	4.312	4	4.00	28-1/2			
2-1/2*	4-1/4	2-1/8	6-3/4	8-3/4	4.25	4.40	33-3/8	8-3/4	4.312	4	4.40	30-1/4			

Rope Dia.	Capacity (Tons*)	
	IPS	XIP
1/4	.588	.69
5/16	.916	1.05
3/8	1.3	1.5
7/16	1.778	2.04
1/2	2.3	2.66
9/16	2.9	3.36
5/8	3.58	4.12
3/4	5.12	5.88
7/8	6.92	7.96
1	8.98	10.34
1-1/8	11.3	13.
1-1/4	13.88	15.98
1-3/8	16.7	19.2
1-1/2	19.78	22.8
1-3/4	26.6	30.6
2	34.4	39.6
2-1/4	43.	49.4
2-1/2	52.4	60.4



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Wire Rope Assembly and Fittings

Open Swage Sockets S-501 Crosby



- Forged from special bar quality carbon steel, suitable for cold forming.
- Hardness controlled by spheroidize annealing.
- Swage Socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Stamp for identification after swaging without concern for fractures (as per directions in National Swaging Brochure).

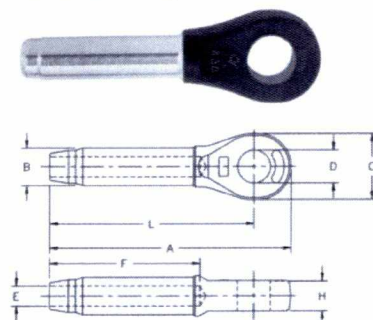
Stock No.	Rope Size (in.)	Wt. Each (lbs.)	Before Swage Dimensions										Max. After Swage Dim. (in.)
			A	B	C	D	E	F	H	M	N		
1039021	1/4	.52	4.81	.50	1.38	.69	.27	2.13	.69	4.00	.38	1.50	.46
1039049	5/16	1.12	6.25	.77	1.62	.81	.34	3.19	.81	5.31	.47	1.75	.71
1039067	3/8	1.30	6.25	.77	1.62	.81	.41	3.19	.81	5.31	.47	1.75	.71
1039085	7/16	2.08	7.81	.98	2.00	1.00	.48	4.25	1.00	6.69	.56	2.00	.91
1039101	1/2	2.08	7.81	.98	2.00	1.00	.55	4.25	1.00	6.69	.56	2.00	.91
1039129	9/16	4.67	9.50	1.25	2.38	1.19	.61	5.31	1.25	8.13	.68	2.25	1.16
1039147	5/8	4.51	9.50	1.25	2.38	1.19	.67	5.31	1.25	8.13	.68	2.25	1.16
1039165	3/4	7.97	11.56	1.55	2.75	1.38	.80	6.38	1.50	10.00	.78	2.75	1.42
1039183	7/8	11.52	13.41	1.70	3.13	1.62	.94	7.44	1.75	11.63	.94	3.25	1.55
1039209	1	17.80	15.47	1.98	3.69	2.00	1.06	8.50	2.00	13.38	1.06	3.75	1.80
1039227	1-1/8	25.25	17.31	2.25	4.06	2.25	1.19	9.56	2.25	15.00	1.19	4.25	2.05
1039245	1-1/4	35.56	19.06	2.53	4.50	2.50	1.33	10.63	2.50	16.50	1.22	4.75	2.30
1039263	1-3/8	43.75	20.94	2.80	5.00	2.50	1.45	11.69	2.50	18.13	1.38	5.25	2.56
1039281	1-1/2	58.50	22.88	3.08	5.50	2.75	1.58	12.75	3.00	19.75	1.69	5.75	2.81
1039307	1-3/4	88.75	26.63	3.39	6.69	3.50	1.86	14.88	3.50	23.00	2.11	6.75	3.06
1042767	2	146.25	31.44	3.94	8.00	3.75	2.11	17.00	4.00	26.88	2.37	8.00	3.56

Maximum Proof Load shall not exceed 40% of XXIP rope catalog breaking strength.

NOTE: S-501 Swage Sockets are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.

In accordance with ANSI B30.9, all slings terminated with swage sockets shall be proof loaded.*

Closed Swage Sockets S-502 Crosby



- Forged from special bar quality carbon steel, suitable for cold forming.
- Hardness controlled by spheroidize annealing.
- Swage Socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Stamp for identification after swaging without concern for fractures (as per directions in National Swaging Brochure).

Stock No.	Rope Size (in.)	Wt. Each (lbs.)	Before Swage Dimensions										Max. After Swage Dim. (in.)
			A	B	C	D	E	F	H	L			
1039325	1/4	.33	4.31	.50	1.38	.75	.27	2.12	.50	3.50	.46		
1039343	5/16	.75	5.44	.77	1.62	.88	.34	3.19	.67	4.50	.71		
1039361	3/8	.72	5.44	.77	1.62	.88	.41	3.19	.67	4.50	.71		
1039389	7/16	1.42	6.91	.98	2.00	1.06	.48	4.25	.86	5.75	.91		
1039405	1/2	1.42	6.91	.98	2.00	1.06	.55	4.25	.86	5.75	.91		
1039423	9/16	2.92	8.66	1.25	2.38	1.25	.61	5.31	1.13	7.25	1.16		
1039441	5/8	2.85	8.66	1.25	2.38	1.25	.67	5.31	1.13	7.25	1.16		
1039469	3/4	5.00	10.28	1.55	2.88	1.44	.80	6.38	1.31	8.63	1.42		
1039487	7/8	6.80	11.94	1.70	3.12	1.69	.94	7.44	1.50	10.13	1.55		
1039502	1	10.40	13.56	1.98	3.63	2.06	1.06	8.50	1.75	11.50	1.80		
1039520	1-1/8	14.82	15.03	2.25	4.00	2.31	1.19	9.56	2.00	12.75	2.05		
1039548	1-1/4	21.57	16.94	2.53	4.50	2.56	1.33	10.63	2.25	14.38	2.30		
1039566	1-3/8	28.54	18.63	2.80	5.00	2.56	1.45	11.69	2.25	15.75	2.56		
1039584	1-1/2	38.06	20.12	3.08	5.50	2.81	1.58	12.75	2.50	17.00	2.81		
1039600	1-3/4	51.00	23.56	3.39	6.25	3.56	1.86	14.88	3.00	20.00	3.06		
1042589	2	89.25	27.62	3.94	7.25	3.81	2.11	17.00	3.25	23.00	3.56		

Maximum Proof Load shall not exceed 40% of XXIP rope catalog breaking strength.

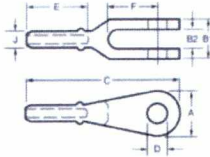
NOTE: S-502 Swage Sockets are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.

In accordance with ANSI B30.9, all slings terminated with swage sockets shall be proof loaded.*

Wire Rope Assembly & Fittings

Swaged Sockets & Fittings

Open Swage Sockets
Cast Stainless Steel

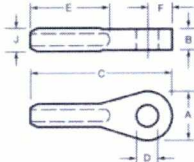


Rope Size (in.)	Socket Wt. (lbs)	Pin Wt. (lbs)	Pin Dia. (in)	A (in)	B1 (in)	B2 (in)	Overall Length C (in)	Pin Hole D (in)	E* (in)	F (in)	Die Descrip. (in)
5/16	1-1/8	1/2	13/16	1-11/16	1-5/8	13/16	6	7/8	2-1/2	1-3/4	3/8 OC
3/8	1-1/8	1/2	13/16	1-11/16	1-5/8	13/16	6	7/8	2-1/2	1-3/4	3/8 OC
7/16	2-1/4	3/4	1	2	2	1	7-5/16	1-1/16	3-5/16	2	1/2 OC
1/2	2-1/4	3/4	1	2	2	1	7-5/16	1-1/16	3-5/16	2	1/2 OC
9/16	4	1	1-3/16	2-1/2	2-3/8	1-1/4	8-5/8	1-1/4	4-1/8	2-1/4	5/8 OC
5/8	4	1	1-3/16	2-1/2	2-3/8	1-1/4	8-5/8	1-1/4	4-1/8	2-1/4	5/8 OC
3/4	7-1/4	1-1/2	1-3/8	3	2-3/4	1-7/16	10-3/8	1-7/16	4-5/8	2-3/4	3/4 OC
7/8	9	2-1/2	1-5/8	3-1/2	3-1/4	1-3/4	12-1/2	1-11/16	5-3/4	3-1/4	3/4 OC
1	14-1/4	4-1/2	2	4	3-3/4	2	14-1/4	2-1/16	6-3/4	3-3/4	7/8 OC
1-1/8	20	6	2-1/4	4-1/2	4-1/4	2-1/4	17-7/8	2-5/16	9	4-1/4	1 OC

*E-Recommended rope insertion length. OC = open channel die.

NOTE: "Before" and "After" swage dimensions (J) are identical to the dimensions shown in the Closed Socket chart (shown below).

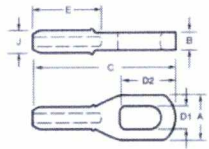
Closed Swage Sockets
Cast Stainless Steel



Rope Size (in)	Wt. Each (lbs)	A (in)	B (in)	Overall Length C (in)	Pin Hole D (in)	E* (in)	F (in)	Shank Dia.		Die Descrip. (in)
								Before J (in)	After J (in)	
5/16	1	1-11/16	11/16	4-5/8	7/8	2-1/2	7/8	0.88	0.759	3/8 OC
3/8	1	1-11/16	11/16	4-5/8	7/8	2-1/2	7/8	0.88	0.759	3/8 OC
7/16	1-1/2	2	13/16	5-7/8	1-1/16	3-5/16	1-1/8	1.12	1.009	1/2 OC
1/2	1-1/2	2	13/16	5-7/8	1-1/16	3-5/16	1-1/8	1.12	1.009	1/2 OC
9/16	2-1/2	2-1/2	1-1/8	7-1/4	1-1/4	4-1/8	1-3/8	1.44	1.273	5/8 OC
5/8	2-1/2	2-1/2	1-1/8	7-1/4	1-1/4	4-1/8	1-3/8	1.44	1.273	5/8 OC
3/4	3	3	1-5/16	8-3/8	1-7/16	4-5/8	1-5/8	1.72	1.530	3/4 OC
7/8	6	3-1/2	1-1/2	10-1/8	1-11/16	5-3/4	1-7/8	1.72	1.530	3/4 OC
1	10	4	1-3/4	11-9/16	2-1/16	6-3/4	2-3/16	1.97	1.760	7/8 OC
1-1/8	16	4-1/2	2	14-3/4	2-5/16	9	2-7/16	2.25	2.036	1 OC

*E-Recommended rope insertion length. OC = open channel die.

Bail Sockets
Cast Stainless Steel Swage Sockets



Rope Size	Wt. Each (lbs)	A	B	Length C	Hole D1	Hole D2	E*	Shank Dia.		Die Descrip.
								Before J	After J	
3/8	1	1-11/16	5/8	6-1/16	15/16	2-1/8	2-1/2	0.88	0.759	3/8 OC
7/16	1-3/4	2	7/8	7-3/8	1-1/8	2-3/8	3-5/16	1.12	1.009	1/2 OC
1/2	1-3/4	2	7/8	7-3/8	1-1/8	2-3/8	3-5/16	1.12	1.009	1/2 OC

*E-Recommended rope insertion length. OC = open channel die.

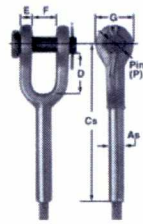
SWAGED FITTINGS

S-319 SWG Swageable Shank Hook

Wire Rope Size (in)	Hook Frame I.D. Code	S-319 SWG Stock No.	Wt. Ea. (lbs)
3/16	D	1053002	0.55
1/4	F	1053011	0.77
5/16	G	1053020	1.26
5/16	H	1053039	1.83
3/8	H	1053048	1.80
7/16	I	1053057	3.63
1/2	I	1053066	3.58
9/16	J	1053075	7.37
5/8	J	1053084	7.30
3/4	K	1053093	12.73
7/8	L	1053100	17.58
1	N	1053119	31.46
1-1/8	O	1053128	53.73



Jaw SW-704



Dash No.	Rope dia.	Dimensions (in)						After Swage Approx Cs
		D	E	F	G	P	As	
3	3/32	5/8	7/32	7/16	5/8	1/4	7/32	1-15/16
4	1/8	5/8	7/32	7/16	5/8	1/4	7/32	2-1/4
5	5/32	3/4	1/4	1/2	11/16	1/4	1/4	2-13/16
6	3/16	13/16	5/16	1/2	13/16	5/16	5/16	3-1/8
7	7/32	1	3/8	5/8	1	7/16	7/16	3-3/4
8	1/4	1	3/8	5/8	1	7/16	7/16	4-1/16
9	9/32	1-5/16	7/16	3/4	1-5/16	1/2	9/16	4-3/4
10	5/16	1-5/16	7/16	3/4	1-5/16	1/2	9/16	5-1/16
12	3/8	1-1/2	7/16	15/16	1-5/8	5/8	5/8	6
14	7/16	1-3/4	1/2	1-1/16	1-3/4	3/4	3/4	7
16	1/2	2	5/8	1-3/16	2-1/8	1	7/8	8-1/16
18	9/16	2	5/8	1-3/16	2-1/8	1	7/8	8-5/8
20	5/8	2-7/16	7/8	1-3/4	2-7/8	1-1/8	1-1/8	10-3/8
24	3/4	2-13/16	1-1/16	2-3/16	3-1/8	1-3/8	1-1/4	11-3/4

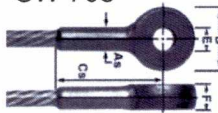
You can use the Tuf-Grip SW-704 Jaw two ways. One, with the Tuf-Grip SW-703 Pineye when you

need multiple lengths of assemblies. And two, for single lug attachment of a wire rope assembly.

Our Jaw offers excellent pin bearing surface for your applications. You can also depend on long life with its rugged, one-piece, drop-forged steel construction. Measure the length of the assembly from the center of the pin.

We supply the Tuf-Grip Jaw without a pin or a nut and bolt, but we can provide either if you specify on your order.

Pineye SW-703

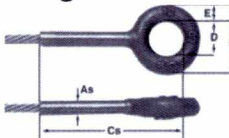


Dash No.	Rope dia.	Dimensions (in)				After Swage Approx Cs
		D	E	F	As	
3	3/32	1/2	17/64	9/32	7/32	1-3/16
4	1/8	1/2	17/64	9/32	7/32	1-7/16
5	5/32	5/8	17/64	11/32	1/4	1-7/8
6	3/16	3/4	11/32	7/16	5/16	2-3/16
7	7/32	1	13/32	9/16	7/16	2-19/32
8	1/4	1	13/32	9/16	7/16	2-13/16
9	9/32	1-1/4	17/32	11/16	9/16	3-9/32
10	5/16	1-1/4	17/32	11/16	9/16	3-17/32
12	3/8	1-1/2	21/32	13/16	5/8	4-7/16
14	7/16	1-3/4	25/32	15/16	3/4	5-3/32
16	1/2	2	29/32	1-1/16	7/8	5-25/32
18	9/16	2	29/32	1-1/16	7/8	6-5/16
20	5/8	3	1-5/32	1-1/4	1-1/8	7-1/16
24	3/4	3-5/8	1-7/16	1-1/2	1-1/4	8-1/2

Ideal for clevis-type attachments. The Tuf-Grip SW-703 gives you a large pin bearing area with a durable, weldless, drop-forged steel construction. Measure the length of the assembly from the center of the pin hole.

You may specify a custom-made pin hole diameter if you wish. We can make these pineye assemblies to your custom dimensions which can be fully machined to your specific application. Please contact us with your special requirements.

Large Eye Ring SW-706



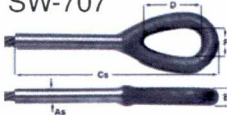
Dash No.	Rope dia.	Dimensions (in)				Approx Cs
		D	E	F	As	
3	3/32	1/2	1/4	1	7/32	1-11/16
4	1/8	1/2	1/4	1	7/32	1-15/16
5	5/32	5/8	5/16	1-1/4	1/4	2-7/16
6	3/16	3/4	3/8	1-1/2	5/16	2-15/16
7	7/32	1	1/2	2	7/16	3-5/8
8	1/4	1	1/2	2	7/16	3-15/16
9	9/32	1-1/4	5/8	2-1/2	9/16	4-5/8
10	5/16	1-1/4	5/8	2-1/2	9/16	4-7/8
12	3/8	1-1/2	3/4	3	5/8	5-7/8
14	7/16	1-3/4	7/8	3-1/2	3/4	6-7/8
16	1/2	2	1	4	7/8	7-13/16
18	9/16	2	1	4	7/8	8-7/16
20	5/8	2-1/2	1-1/4	5	1-1/8	9-3/4

Tuf-Grip large ring eyes offer many advantages for hanger-type applications. They feature a large eye opening to make attachment easy and provide a large internal bearing surface. They're made of one-piece, dropforged steel construction. To measure the assembly length, use the distance from the bearing of the eye to the appropriate point at the other end of the assembly.

Swaged Fittings

Wire Rope Assembly & Fittings

Oval Eye SW-707



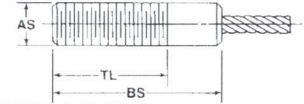
For hanger-type applications that require smaller diameter pins and a narrower profile than large ring eyes, the Tuf-Grip SW-707 Oval Eye is your best choice. These are made with one-piece, drop-forged steel for dependable service.

Measure the length from the bearing of the eye.

Dash No.	Rope dia.	Dimensions (in)					Approx Cs
		D	E	F	As		
3	3/32	25/32	7/32	11/32	7/32	2-1/8	
4	1/8	25/32	7/32	11/32	7/32	2-7/16	
5	5/32	15/16	9/32	7/16	1/4	3	
6	3/16	1-1/8	11/32	17/32	5/16	3-5/8	
7	7/32	1-7/16	7/16	23/32	7/16	4-7/16	
8	1/4	1-7/16	7/16	23/32	7/16	4-23/32	
9	9/32	1-3/4	1/2	7/8	9/16	5-15/32	
10	5/16	1-3/4	1/2	7/8	9/16	5-3/4	
12	3/8	2-1/8	5/8	1	5/8	7	
14	7/16	2-3/8	3/4	1-1/4	3/4	8-3/32	
16	1/2	3	7/8	1-7/16	7/8	9-9/16	
18	9/16	3	7/8	1-7/16	7/8	10-5/32	

Standard Swaged Steel Threaded Stud - SS

Style SS Standard Swaged Steel Thread Stud (Sleeves) are machined from carbon steel specially selected for swaging. Alloy and stainless steel available upon request.



Item No. (in)	Rope Dia. (in)	AFTER SWAGE DIMENSION				
		(AS) Dia. (in)	BS (in)	TL (lbs)	Wt. (lbs)	
SS-6	3/16	3/8 +.00 -.010	1-3/4	1	+1/16 -0	.050
SS-7	7/32	7/16	2	1-1/4		.087
SS-8	1/4	1/2	2	1-1/4		.175
SS-10	5/16	5/8 +.00	2-1/2	1-1/2	+1/8	.313
SS-12	3/8	3/4	3	1-3/4	-0	.506
SS-14	7/16	7/8	3-1/2	2		.731
SS-16	1/2	1	4	2-1/4		1.075
SS-18	9/16	1-1/8	4-1/2	2-1/2		1.475
SS-20	5/8	1-1/4	5	2-3/4		2.506
SS-24	3/4	1-1/2	6	3		3.981
SS-28	7/8	1-3/4	7	4		6.000
SS-32	1	2	8	5	+3/16	8.538
SS-36	1-1/8	2-1/4	9	6	-0	11.725
SS-40	1-1/4	2-1/2	10	7		20.250
SS-44	1-3/8	2-3/4	11	8		
SS-48	1-1/2	3	12	9		

3
Wire Rope Assembly and Fittings

Threaded Studs - TTS

Style TTS Threaded Studs are machined from carbon steel specially selected for swaging. Alloy and stainless steel available upon request.

Item No.	Rope Dia. (in)	A After Swage (in)	B Approx. (in)	C (in)	E			Wt. (lbs)
					Size (in)	NC (in)	NF (in)	
TTS-8-A	1/4	1/2	4-23/32	1-1/2	1/2	13	20	213
TTS-8	1/4	9/16	4-23/32	1-1/2	9/16	12	18	281
TTS-10	5/16	5/8	5-23/32	1-3/4	5/8	11	18	413
TTS-12	3/8	3/4	6-3/4	2	3/4	10	16	.719
TTS-14	7/16	7/8	7-21/32	2-1/4	7/8	9	14	1.125
TTS-16	1/2	1	8-9/16	2-1/2	1	8	14	1.644
TTS-18	9/16	1-1/8	9-5/8	2-3/4	1-1/8	7	12	2.325
TTS-20	5/8	1-1/4	10-21/32	3-1/8	1-1/4	7	12	3.231
TTS-24	3/4	1-1/2	12-11/16	3-3/4	1-1/2	6	12	5.513
TTS-28	7/8	1-3/4	14-5/8	4-3/8	1-3/4	5	12	8.575
TTS-32	1	2	16-21/32	5	2	4-1/2	12	12.600
TTS-36	1-1/8	2-1/4	18-5/8	5-5/8	2-1/4	4-1/2	12	18.000
TTS-40	1-1/4	2-1/2	20-21/32	6-1/4	2-1/2	4	12	24.687
TTS-44	1-3/8	2-3/4	22-17/32	6-7/8	2-3/4	4	12	33.062
TTS-48	1-1/2	3	24-1/2	7-1/2	3	4	12	49.300

Note: Sizes for larger diameter ropes can be supplied. All Studs supplied without wrench grips unless requested. Right hand N.C. threads supplied unless otherwise specified.

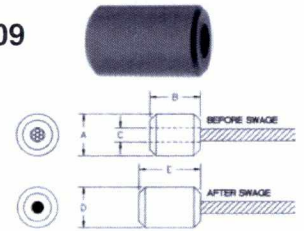
Threaded Studs - STS

Item No.	Rope Dia. (in)	A After Swage (in)	B (in)	C (in)	N.C. THD (in)	N.F. THD (in)	Items No.	Wt. (lbs)
STS-4	1/8	7/32	2-3/8	1	1/4 - 20	1/4 - 28	STS-4	.025
STS-6	3/16	5/16	3	1-1/8	3/8 - 16	3/8 - 24	STS-6	.069
STS-8	1/4	7/16	4-1/16	1-1/2	1/2 - 13	1/2 - 20	STS-8	.162
STS-10	5/16	9/16	5-1/16	1-7/8	5/8 - 11	5/8 - 18	STS-10	.331
STS-12	3/8	5/8	6-1/4	2-1/4	3/4 - 10	3/4 - 16	STS-12	.575
STS-14	7/16	3/4	7-5/16	2-5/8	7/8 - 9	7/8 - 14	STS-14	.900
STS-16	1/2	7/8	8-1/4	3	1 - 8	1 - 14	STS-16	1.362
STS-18	9/16	1	9-1/4	3-3/8	1-1/8 - 7	1-1/8 - 12	STS-18	1.931
STS-20	5/8	1-1/8	10-1/8	3-3/4	1-1/4 - 7	1-1/4 - 12	STS-20	2.662
STS-24	3/4	1-1/4	12-13/16	4-1/2	1-1/2 - 6	1-1/2 - 12	STS-24	4.556
STS-28	7/8	1-1/2	14-9/16	5-1/4	1-3/4 - 5	1-3/4 - 12	STS-28	7.137
STS-32	1	1-3/4	16-1/4	6	2 - 4-1/2	2 - 12	STS-32	10.662
STS-36	1-1/8	2	18-1/4	6-3/4	2-1/4 - 4-1/2	2-1/4 - 12	STS-36	15.625
STS-40	1-1/4	2-1/4	20-1/4	7-1/2	2-1/2 - 4	2-1/2 - 12	STS-40	21.000
STS-44	1-3/8	2-3/8	22-7/8	8-1/4	2-3/4 - 4	2-3/4 - 12	STS-44	30.500
STS-48	1-1/2	2-5/8	24-3/4	9	3 - 4	3 - 12	STS-48	41.100

Swage Fittings

"Cold Tuff" Button S-409

- Special processed, low carbon steel.
- "Cold Tuff" for better swageability.
- Swage Button terminations have an efficiency rating of 98% based on the catalog strength of wire rope.
- Stamp for identification after swaging without concern for fractures (as per directions in National Swaging Brochure).



NOTE: S-409 Buttons are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), RRL, FC or IWRC wire rope.

Size No.	Stock No.	Rope (in.)	Wt. Per 100 Pcs. (lbs.)	Before Swage Dim.			After Swage Dim.	
				A	B	C	D Max. After Swage Dim.	E Length
1 SB	1040171	1/8	2	.44	.50	.14	.40	.61
3 SB	1040215	3/16	4	.56	.70	.20	.52	.84
5 SB	1040251	1/4	8	.63	1.06	.30	.58	1.20
7 SB	1040297	5/16	16	.88	1.13	.36	.77	1.33
8 SB	1040313	3/8	15	.88	1.48	.42	.77	1.69
9 SB	1040331	7/16	30	1.13	1.63	.48	1.03	1.94
10 SB	1040359	1/2	50	1.31	1.89	.55	1.16	2.17
11 SB	1040377	9/16	70	1.44	2.02	.61	1.29	2.41
12 SB	1040395	5/8	100	1.56	2.42	.67	1.42	2.89
13 SB	1040411	3/4	131	1.69	2.73	.79	1.55	3.25
14 SB	1040439	7/8	220	2.00	3.27	.94	1.80	3.86
15 SB	1040457	1	310	2.25	3.67	1.06	2.05	4.36
16 SB	1040475	1-1/8	450	2.56	4.05	1.19	2.30	4.81
17 SB	1040493	1-1/4	650	2.81	4.58	1.33	2.56	5.42

NOTE: Length is measured from outside end of termination.