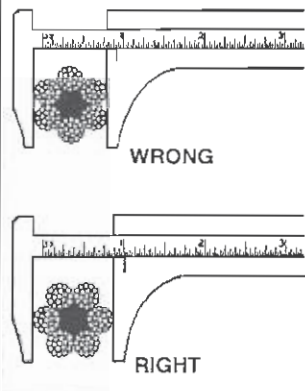


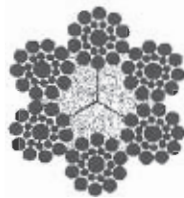
## HOW TO MEASURE WIRE ROPE

Wire rope is usually manufactured slightly larger than the nominal diameter. This is to allow for stretch factors after installation to insure the proper diameter when in use.



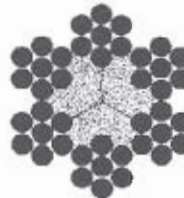
# WIRE ROPE

## FOR THE WATER WELL AND OIL WELL DRILLER



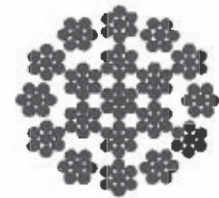
**6 X 21 CABLE TOOL DRILLING LINE**  
Left Reg. Lay  
Polypropylene Core IPS grade

Size (Diameter)	Breaking Strength (In Tons)	Weight per Ft. (In Pounds)
1/2"	10.7	.42
5/8"	16.7	.66
3/4"	23.8	.95
7/8"	32.2	1.29
1"	41.8	1.68



**6 X 7 SANDLINE**  
(Swabbing Line/Bailing Line)  
Bright Finish - Right Reg. Lay  
Polypropylene Core IPS grade

Size (Diameter)	Breaking Strength (In Tons)	Weight per Ft. (In Pounds)
5/16"	4.1	.15
3/8"	5.86	.21
7/16"	7.93	.29
1/2"	10.3	.38
9/16"	13.0	.48
5/8"	15.9	.59



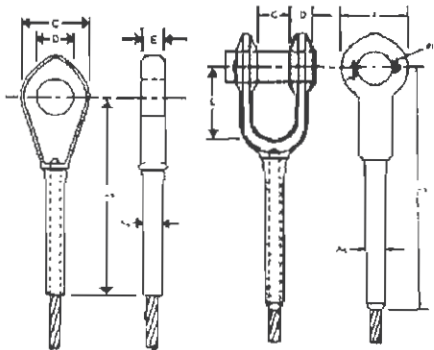
**19 X 7 ROTATION RESISTANT Non-Spin Independent Wire Rope Core EIPS grade**

Size (Diameter)	Breaking Strength (In Tons)	Weight per Ft. (In Pounds)
5/16"	4.3	.177
3/8"	6.15	.25
7/16"	8.33	.35
1/2"	10.8	.45
9/16"	13.6	.58
5/8"	16.8	.71
3/4"	24.	1.02
7/8"	32.5	1.39

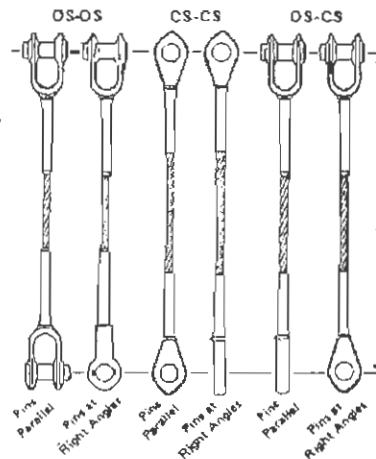
## No. 15 Swaged Socket

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.



### Rated Capacity - Tons\*

Rope Dia.	6 x 19 & 6 x 37 IWRC	
	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

### OPEN SOCKET

Rope Dia.	C	D	E	F	PIN	A <sub>s</sub>	L <sub>s</sub> (Approx.)
1/4	11/16	5/16	1-1/2	1-3/8	.688	.438	4-7/16
5/16	13/16	13/32	1-3/4	1-5/8	.812	.688	5-15/16
3/8	13/16	13/32	1-3/4	1-5/8	.812	.688	5-15/16
7/16	1	1/2	2	2	1.00	.875	7-5/8
1/2	1	1/2	2	2	1.00	.875	7-5/8
9/16	1-1/4	5/8	2-1/4	2-1/2	1.19	1.125	9-3/16
5/8	1-1/4	5/8	2-1/4	2-1/2	1.19	1.125	9-3/16
3/4	1-1/2	3/4	2-3/4	3	1.38	1.375	11-1/4
7/8	1-3/4	15/16	3-1/4	3-3/8	1.63	1.50	13-1/8
1	2	1-1/32	3-3/4	4	2.00	1.75	15-1/16
1-1/8	2-1/4	1-3/16	4-1/4	4-1/2	2.25	2.00	16-15/16
1-1/4	2-1/2	1-3/16	4-3/4	5	2.50	2.25	18-5/8
1-3/8	2-1/2	1-5/16	5-1/4	5-1/4	2.50	2.50	20-1/2
1-1/2	3	1-7/16	5-3/4	5-3/4	2.75	2.75	22-5/16
1-3/4	3-1/2	1-11/16	6-3/4	7	3.50	3.00	26
2	4	1-13/16	8	8	3.75	3.50	30-1/8
2-1/4*	4-1/4	2-1/8	6-3/4	8-3/4	4.25	4.00	31-1/4
2-1/2*	4-1/4	2-1/8	6-3/4	8-3/4	4.25	4.40	33-3/8

### CLOSED SOCKET

Rope Dia.	C	D	E	A <sub>s</sub>	L <sub>s</sub> (Approx.)
1/4	1-7/16	.750	1/2	.438	3-15/16
5/16	1-11/16	.875	11/16	.688	5-1/8
3/8	1-11/16	.875	11/16	.688	5-1/8
7/16	2	1.063	7/8	.875	6-5/8
1/2	2	1.063	7/8	.875	6-5/8
9/16	2-1/2	1.250	1-1/8	1.125	8-5/16
5/8	2-1/2	1.250	1-1/8	1.125	8-5/16
3/4	3	1.438	1-5/16	1.375	9-15/16
7/8	3-1/2	1.688	1-1/2	1.50	11-5/8
1	4	2.063	1-3/4	1.75	13-3/16
1-1/8	4-1/2	2.313	2	2.00	14-11/16
1-1/4	5	2.563	2-1/4	2.25	16-1/2
1-3/8	5-1/4	2.563	2-1/4	2.50	18-1/8
1-1/2	5-1/2	2.813	2-1/2	2.75	19-9/16
1-3/4	6-3/4	3.563	3	3.00	23
2	7-3/4	3.813	3-1/4	3.50	26-7/16
2-1/4*	8-3/4	4.312	4	4.00	28-1/2
2-1/2*	8-3/4	4.312	4	4.40	30-1/4