

WIRE ROPE (Slings)

WIRE ROPE SLING (GENERAL CONSTRUCTION AND INFORMATION)

6X25 EIP RRL IWRC AND 6X25 FIBER CORE WIRE ROPE

6 x 25 Extra Improved Plow Steel Right Regular Lay Independent Wire Rope Center (EIP RRL IWRC) and 6 x 25 Fiber Core wire rope are the most widely used ropes and are found in many variations throughout most industries.

With their good combination of flexibility and wear-resistance, rope in this class can be suited to the specific needs of diverse kinds of machinery and equipment.

Rope Dia. (IN.)	EIP RRL IWRC			Fiber Core		
	working Load Limit (Lbs.)	Nominal Breaking Strength (Lbs.)	Approx. Weight lb. Per ft.	working Load Limit (Lbs.)	Nominal Breaking Strength (Lbs.)	Approx. Weight lb. Per ft.
3/8"	3,020 *	15,100	0.26	2,684	13,420	0.236
1/2"	5,320 *	26,600	0.46	4,720	23,600	0.42
5/8"	8,240 *	41,200	0.72	7,320	36,600	0.60
3/4"	11,760 *	58,800	1.04	10,480	52,400	0.95
7/8"	15,920 *	79,600	1.42	NA	NA	NA
1"	20,680 *	103,400	1.85	NA	NA	NA

*Working Load Limits are approximations only, based on 1/5 th of the normal breaking strength.

6X37 EIP RRL IWRC

Rope Diameter		EIP RRL IWRC		
(IN)	(MM)	working Load Limit (Lbs.)	Nominal Breaking Strength (Lbs.)	Approx. Weight (lb. Per ft.)
1/4"	6.5	1,360 *	6,800	0.116
5/16"	8	2,108 *	10,540	0.18
3/8"	9.5	3,020 *	15,100	0.26
7/16"	11	4,080 *	20,400	0.35
1/2"	13	5,320 *	26,600	0.46
9/16"	14.5	6,720 *	33,600	0.59
5/8"	16	8,240 *	41,200	0.72
3/4"	19	11,760 *	58,800	1.04
7/8"	22	15,920 *	79,600	1.42
1"	26	20,680 *	103,400	1.85
1-1/8"	29	26,000 *	130,000	2.34
1-1/4"	32	31,960 *	159,800	2.89

6 x 37 Extra Improved Plow Steel Right Regular Lay Independent Wire Rope Center (EIP RRL IWRC) offers greater flexibility because of the greater number of wires in its construction. However, its resistance to abrasion is less than the 6 x 25 class. The 6 x 37 construction is normally found in ropes of larger diameters or in situations where small sheave or drum diameters exist.

*Working Load Limits are approximations only, based on 1/5 th of the normal breaking strength.

7X19 GALVANIZED AIRCRAFT CABLE

Rope Diameter (IN.)	EIP RRL IWRC		
	working Load Limit (Lbs.)	Nominal Breaking Strength (Lbs.)	Approx. Weight (lb/ ft.)
1/8"	400 *	2,000	0.029
3/16"	840 *	4,200	0.065
1/4"	1,400 *	7,000	0.11
3/8"	2,880 *	14,400	0.243

7 x 19 Galvanized Aircraft cable offers good flexibility, resistance to corrosion and an economic price.

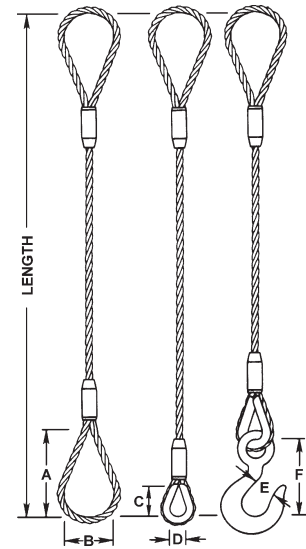
*Working Load Limits are approximations only, based on 1/5 th of the normal breaking strength.

WIRE ROPE (Slings)

SWAGED WIRE ROPE SLING (6X25 & 6X37 EIP RRL IWRC)

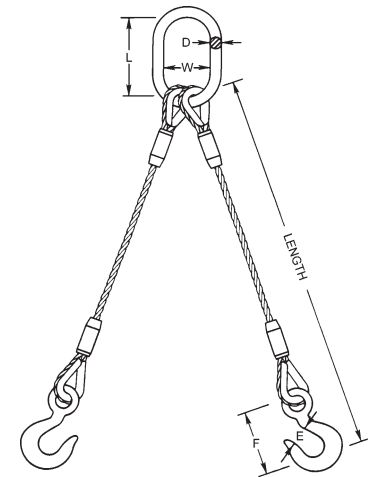
SINGLE LEG SLING SPECIFICATIONS

Rope Dia.	Working Load Limit (lbs.)			Eye Dim.		Thimble Eye		Hook		Working Load (Ton)
	Vertical	Choker Hitch	Basket Hitch	A	B	C	D	E	F	
1/4"	1,120	820	2,200	6"	3"	1-5/8"	7/8"	15/16"	3-7/32"	3/4
5/16"	1,740	1,280	3,400	6"	3"	1-7/8"	1-1/16"	1-1/32"	3-21/32"	1
3/8"	2,400	1,840	4,800	6"	3"	2-1/8"	1-1/8"	1-1/16"	4-3/32"	1-1/2
7/16"	3,400	2,400	6,800	6"	3"	2-1/4"	1-1/4"	1-7/32"	4-11/16"	2
1/2"	4,400	3,200	8,800	8"	4"	2-3/4"	1-1/2"	1-1/2"	5-3/4"	3
9/16"	5,600	4,000	11,200	10"	5"	2-3/4"	1-1/2"	1-1/2"	5-3/4"	3
5/8"	6,800	5,000	13,600	10"	5"	3-1/4"	1-3/4"	1-7/8"	7-3/8"	5
3/4"	9,800	7,200	19,600	10"	5"	3-3/4"	2"	1-7/8"	7-3/8"	5
7/8"	13,200	9,600	26,000	12"	6"	4-1/4"	2-1/4"	2-1/4"	9-1/16"	7-1/2
1"	17,000	12,600	34,000	16"	8"	4-1/2"	2-1/2"	2-1/2"	10-1/16"	10
1-1/8"	20,000	15,800	40,000	18"	9"	5-1/8"	2-7/8"	2-1/2"	10-1/16"	10
1-1/4"	26,000	19,400	52,000	18"	9"	5-1/8"	2-7/8"	3-3/8"	12-1/2"	15



TWO LEG SLING SPECIFICATIONS

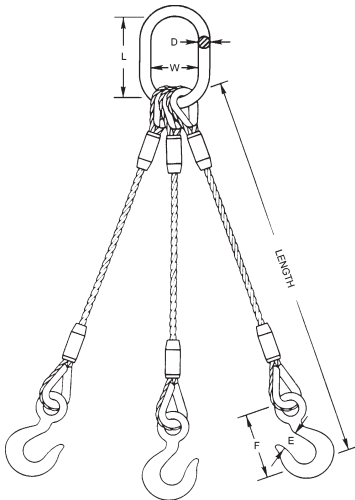
Rope Dia.	Working Load Limit (lbs.)			Oblong Ring			Hook		Working Load (Ton)
	30°	60°	90°	D	L	W	E	F	
1/4"	2,200	1,940	1,580	1/2"	4-23/32"	2-3/4"	15/16"	3-7/32"	3/4
5/16"	3,400	3,000	2,400	1/2"	4-23/32"	2-3/4"	1-1/32"	3-21/32"	1
3/8"	4,600	4,200	3,400	1/2"	4-23/32"	2-3/4"	1-1/16"	4-3/32"	1-1/2
7/16"	6,600	5,800	4,800	3/4"	6-19/64"	3-35/64"	1-7/32"	4-11/16"	2
1/2"	8,600	7,600	6,200	3/4"	6-19/64"	3-35/64"	1-1/2"	5-3/4"	3
9/16"	10,800	9,600	8,000	1"	7-7/8"	4-21/64"	1-1/2"	5-3/4"	3
5/8"	13,200	11,800	9,600	1"	7-7/8"	4-21/64"	1-7/8"	7-3/8"	5
3/4"	19,000	17,000	13,800	1"	7-7/8"	4-21/64"	1-7/8"	7-3/8"	5
7/8"	26,000	22,000	18,600	1-1/4"	9-1/16"	5-1/8"	2-1/4"	9-1/16"	7-1/2
1"	32,000	30,000	24,000	1-1/4"	9-1/16"	5-1/8"	2-1/2"	10-1/16"	10
1-1/8"	38,000	34,000	28,000	1-1/2"	11-1/64"	5-29/32"	2-1/2"	10-1/16"	10
1-1/4"	50,000	46,000	36,000	1-3/4"	13-25/64"	7-3/32"	3-3/8"	12-1/2"	15



WIRE ROPE (Slings)

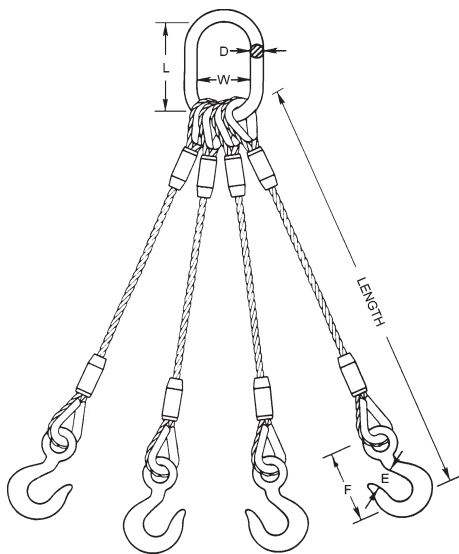
SWAGED WIRE ROPE SLING (6X25 & 6X37 EIP RRL IWRC)

THREE LEG SLING SPECIFICATIONS



Rope Dia.	Working Load Limit (lbs.)			Oblong Ring			Hook		
	30°	60°	90°	D	L	W	E	F	Working Load (Ton)
1/4"	3,200	2,800	2,400	3/4"	6-19/64"	3-35/64"	15/16"	3-7/32"	3/4
5/16"	5,000	4,600	3,600	3/4"	6-19/64"	3-35/64"	1-1/32"	3-21/32"	1
3/8"	7,000	6,200	5,000	1"	7-7/8"	4-21/64"	1-1/16"	4-3/32"	1-1/2
7/16"	9,800	8,800	7,200	1"	7-7/8"	4-21/64"	1-7/32"	4-11/16"	2
1/2"	12,800	11,400	9,400	1"	7-7/8"	4-21/64"	1-1/2"	5-3/4"	3
9/16"	16,200	14,600	11,800	1-1/4"	9-1/16"	5-1/8"	1-1/2"	5-3/4"	3
5/8"	19,800	17,600	14,400	1-1/4"	9-1/16"	5-1/8"	1-7/8"	7-3/8"	5
3/4"	28,000	26,000	20,000	1-3/4"	13-25/64"	7-3/32"	1-7/8"	7-3/8"	5
7/8"	38,000	34,000	28,000	1-3/4"	13-25/64"	7-3/32"	2-1/4"	9-1/16"	7-1/2
1"	50,000	44,000	36,000	1-3/4"	13-25/64"	7-3/32"	2-1/2"	10-1/16"	10
1-1/8"	58,000	52,000	42,000	2"	13-25/32"	7-31/64"	2-1/2"	10-1/16"	10
1-1/4"	76,000	68,000	56,000	2-1/4"	15-3/4"	7-7/8"	3-3/8"	12-1/2"	15

FOUR LEG SLING SPECIFICATIONS



Rope Dia.	Working Load Limit (lbs.)			Oblong Ring			Hook		
	30°	60°	90°	D	L	W	E	F	Working Load (Ton)
1/4"	4,400	3,800	3,200	3/4"	6-19/64"	3-35/64"	15/16"	3-7/32"	3/4
5/16"	6,800	6,000	5,000	3/4"	6-19/64"	3-35/64"	1-1/32"	3-21/32"	1
3/8"	9,200	8,400	6,800	1"	7-7/8"	4-21/64"	1-1/16"	4-3/32"	1-1/2
7/16"	13,200	11,800	9,600	1"	7-7/8"	4-21/64"	1-7/32"	4-11/16"	2
1/2"	17,000	15,200	12,400	1-1/4"	9-1/16"	5-1/8"	1-1/2"	5-3/4"	3
9/16"	22,000	19,400	15,800	1-1/2"	11-1/64"	5-29/32"	1-1/2"	5-3/4"	3
5/8"	26,000	24,000	19,200	1-1/2"	11-1/64"	5-29/32"	1-7/8"	7-3/8"	5
3/4"	38,000	34,000	28,000	1-3/4"	13-25/64"	7-3/32"	1-7/8"	7-3/8"	5
7/8"	52,000	46,000	38,000	1-3/4"	13-25/64"	7-3/32"	2-1/4"	9-1/16"	7-1/2
1"	66,000	58,000	48,000	2"	13-25/32"	7-31/64"	2-1/2"	10-1/16"	10
1-1/8"	78,000	70,000	56,000	2-1/4"	15-3/4"	7-7/8"	2-1/2"	10-1/16"	10
1-1/4"	100,000	90,000	74,000	2-1/4"	15-3/4"	7-7/8"	3-3/8"	12-1/2"	15