

Winchline 'n a box

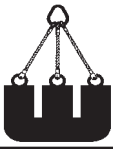
all-grip® Wire Rope Winchlines are superior to most other winchlines found in the market place due to the hand splice and swage sleeve (Flemish eye) end terminations. Each eye is protected by a steel liner (thimble) to guard against premature bearing point eye wear. Each winchline is supplied with a drop forged eye hook on one end. Spring loaded safety latches are standard equipment on our winchlines. All lines are right Regular lay. Both fiber core and steel core winch lines are available. **Each line is packaged in a heavy duty box which makes handling and shipping by UPS very convenient.



WINCH LINE SELECTION GUIDE

PART #	DESCRIPTION	HOOK SIZE	*MIN-BREAK STRENGTH	WEIGHT
6 x 19 CLASS FIBER CORE WIRE ROPE				
WL06035F	3/8" X 35'	3 Ton	13,440 lbs.	10.4 lbs.
WL06050F	3/8" X 50'	3 Ton	13,440 lbs.	13.9 lbs.
WL06065F	3/8" X 65'	3 Ton	13,440 lbs.	17.4 lbs.
WL06100F	3/8" X 100'	3 Ton	13,440 lbs.	25.6 lbs.
WL06150F	3/8" X 150'	3 Ton	13,440 lbs.	37.5 lbs.
WL07050F	7/16" X 50'	3 Ton	18,200 lbs.	18.3 lbs.
WL07050FZ	7/16" X 50'	4 1/2 Ton	18,200 lbs.	19.9 lbs.
WL07100F	7/16" X 100'	3 Ton	18,200 lbs.	34.3 lbs.
WL07100FZ	7/16" X 100'	4 1/2 Ton	18,200 lbs.	35.9 lbs.
WL07150F	7/16" X 150'	3 Ton	18,200 lbs.	50.3 lbs.
WL07150FZ	7/16" X 150'	4 1/2 Ton	18,200 lbs.	51.9 lbs.
WL07200F	7/16" X 200'	3 Ton	18,200 lbs.	66.3 lbs.
WL08050F	1/2" X 50'	4 1/2 Ton	23,600 lbs.	25.4 lbs.
WL08100F	1/2" X 100'	4 1/2 Ton	23,600 lbs.	46.4 lbs.
WL08150F	1/2" X 150'	4 1/2 Ton	23,600 lbs.	67.4 lbs.
WL08200F	1/2" X 200'	4 1/2 Ton	23,600 lbs.	88.4 lbs.
WL09100F	9/16" X 100'	7 Ton	29,800 lbs.	68.2 lbs.
WL09150F	9/16" X 150'	7 Ton	29,800 lbs.	94.7 lbs.
WL09200F	9/16" X 200'	7 Ton	29,800 lbs.	121.2 lbs.
WL10100F	5/8" X 100'	7 Ton	36,600 lbs.	75.2 lbs.
WL10150F	5/8" X 150'	7 Ton	36,600 lbs.	112.7 lbs.
WL10200F	5/8" X 200'	7 Ton	36,600 lbs.	142.8 lbs.
WL10250F	5/8" X 250'	7 Ton	36,600 lbs.	175.1 lbs.
6 x 19 CLASS STEEL CORE WIRE ROPE (IWRC)				
WL05050S	5/16" X 50'	1 1/2 Ton	9,800 lbs.	9.9 lbs.
WL06050S	3/8" X 50'	3 Ton	15,100 lbs.	15.1 lbs.
WL06100S	3/8" X 100'	3 Ton	15,100 lbs.	28.1 lbs.
WL06150S	3/8" X 150'	3 Ton	15,100 lbs.	41.0 lbs.
WL07050S	7/16" X 50'	3 Ton	20,400 lbs.	19.8 lbs.
WL07100S	7/16" X 100'	3 Ton	20,400 lbs.	37.3 lbs.
WL07150S	7/16" X 150'	3 Ton	20,400 lbs.	54.8 lbs.
WL08100S	1/2" X 100'	4 1/2 Ton	26,600 lbs.	50.4 lbs.
WL08150S	1/2" X 150'	4 1/2 Ton	26,600 lbs.	73.4 lbs.
WL08200S	1/2" X 200'	4 1/2 Ton	26,600 lbs.	96.4 lbs.
WL09100S	9/16" X 100'	7 Ton	33,600 lbs.	63.6 lbs.
WL09150S	9/16" X 150'	7 Ton	33,600 lbs.	93.0 lbs.
WL09200S	9/16" X 200'	7 Ton	33,600 lbs.	122.5 lbs.
WL09250S	9/16" X 250'	7 Ton	33,600 lbs.	152.0 lbs.
WL10100S	5/8" X 100'	7 Ton	41,200 lbs.	80.4 lbs.
WL10150S	5/8" X 150'	7 Ton	41,200 lbs.	116.5 lbs.
WL10200S	5/8" X 200'	7 Ton	41,200 lbs.	152.4 lbs.
WL10250S	5/8" X 250'	7 Ton	41,200 lbs.	188.5 lbs.
WL12200S	3/4" X 200'	11 Ton	58,800 lbs.	230.0 lbs.
WL12250S	3/4" X 250'	11 Ton	58,800 lbs.	282.0 lbs.
WL12300S	3/4" X 300'	11 Ton	58,800 lbs.	334.0 lbs.

***Minimum Break Strength** - apply to new unused wire rope assemblies. Always use the size and type of wire rope specified by the wrecker or winch manufacturer. See page 8 for definition of minimum break strength. All other sizes are available. Bulk wire rope is in stock. Boom support cables are also available! **Larger winchlines are supplied on reels.



Winchline 'n a box (swivel hook)

Swivel Hook Winchlines

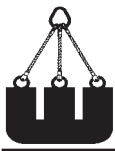
These winchlines are made to the same rigid standards that our fixed hook winchlines are. They too are shipped in the convenient and storage friendly box.



WINCH LINE SELECTION GUIDE				
PART #	DESCRIPTION	HOOK SIZE	*MIN-BREAK STRENGTH	WEIGHT
6 x 19 CLASS FIBER CORE WIRE ROPE				
WL06035FS	3/8" X 35'	3 Ton	13,440 lbs.	10.4 lbs.
WL06050FS	3/8" X 50'	3 Ton	13,440 lbs.	13.9 lbs.
WL06065FS	3/8" X 65'	3 Ton	13,440 lbs.	17.4 lbs.
WL06100FS	3/8" X 100'	3 Ton	13,440 lbs.	25.6 lbs.
WL06150FS	3/8" X 150'	3 Ton	13,440 lbs.	37.5 lbs.
WL07050FS	7/16" X 50'	3 Ton	18,200 lbs.	18.3 lbs.
WL07050FZS	7/16" X 50'	4 1/2 Ton	18,200 lbs.	19.9 lbs.
WL07100FS	7/16" X 100'	3 Ton	18,200 lbs.	34.3 lbs.
WL07100FZS	7/16" X 100'	4 1/2 Ton	18,200 lbs.	35.9 lbs.
WL07150FS	7/16" X 150'	3 Ton	18,200 lbs.	50.3 lbs.
WL07150FZS	7/16" X 150'	4 1/2 Ton	18,200 lbs.	51.9 lbs.
WL07200FS	7/16" X 200'	3 Ton	18,200 lbs.	66.3 lbs.
WL08050FS	1/2" X 50'	4 1/2 Ton	23,600 lbs.	25.4 lbs.
WL08100FS	1/2" X 100'	4 1/2 Ton	23,600 lbs.	46.4 lbs.
WL08150FS	1/2" X 150'	4 1/2 Ton	23,600 lbs.	67.4 lbs.
WL08200FS	1/2" X 200'	4 1/2 Ton	23,600 lbs.	88.4 lbs.
WL09100FS	9/16" X 100'	7 Ton	29,800 lbs.	69.3 lbs.
WL09150FS	9/16" X 150'	7 Ton	29,800 lbs.	95.8 lbs.
WL09200FS	9/16" X 200'	7 Ton	29,800 lbs.	122.3 lbs.
WL10100FS	5/8" X 100'	7 Ton	36,600 lbs.	75.2 lbs.
WL10150FS	5/8" X 150'	7 Ton	36,600 lbs.	112.7 lbs.
WL10200FS	5/8" X 200'	7 Ton	36,600 lbs.	142.8 lbs.
WL10250FS	5/8" X 250'	7 Ton	36,600 lbs.	175.1 lbs.
6 x 19 CLASS STEEL CORE WIRE ROPE (IWRC)				
WL06050SS	3/8" X 50'	3 Ton	15,100 lbs.	15.1 lbs.
WL06100SS	3/8" X 100'	3 Ton	15,100 lbs.	28.1 lbs.
WL06150SS	3/8" X 150'	3 Ton	15,100 lbs.	41.0 lbs.
WL07050SS	7/16" X 50'	3 Ton	20,400 lbs.	19.8 lbs.
WL07100SS	7/16" X 100'	3 Ton	20,400 lbs.	37.3 lbs.
WL07150SS	7/16" X 150'	3 Ton	20,400 lbs.	54.8 lbs.
WL08100SS	1/2" X 100'	4 1/2 Ton	26,600 lbs.	50.4 lbs.
WL08150SS	1/2" X 150'	4 1/2 Ton	26,600 lbs.	73.4 lbs.
WL08200SS	1/2" X 200'	4 1/2 Ton	26,600 lbs.	96.4 lbs.
WL09100SS	9/16" X 100'	7 Ton	33,600 lbs.	63.6 lbs.
WL09150SS	9/16" X 150'	7 Ton	33,600 lbs.	93.0 lbs.
WL09200SS	9/16" X 200'	7 Ton	33,600 lbs.	122.5 lbs.
WL09250SS	9/16" X 250'	7 Ton	33,600 lbs.	152.0 lbs.
WL10100SS	5/8" X 100'	7 Ton	41,200 lbs.	80.4 lbs.
WL10150SS	5/8" X 150'	7 Ton	41,200 lbs.	116.5 lbs.
WL10200SS	5/8" X 200'	7 Ton	41,200 lbs.	152.4 lbs.
WL10250SS	5/8" X 250'	7 Ton	41,200 lbs.	188.5 lbs.
WL12200SS	3/4" X 200'	11 Ton	58,800 lbs.	228.0 lbs.
WL12250SS	3/4" X 250'	11 Ton	58,800 lbs.	280.0 lbs.
WL12300SS	3/4" X 300'	11 Ton	58,800 lbs.	332.0 lbs.

***Minimum Break Strength** - apply to new unused wire rope assemblies. Always use the size and type of wire rope specified by the wrecker or winch manufacturer. See page 8 for definition of minimum break strength. All other sizes are available.

**Larger winchlines are supplied on reels.



Winchline 'n a box (Self-Locking Eye Hooks)

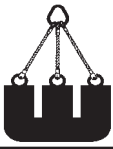
Self-Locking Eye Hook Winch Lines

all-grip® continues to offer the broadest and most complete line of winch lines for the towing professional with our newest offering of winch lines with Self-Locking hooks. The new hooks are operated by depressing the trigger, allowing the hook to open. When a load is applied, these hooks “self-lock” and remain locked until the load is released and the trigger once again is pressed to open. These hooks combined with our high quality wire rope make for secure and positive connections. **We use our heavy duty storage friendly box which makes for ease of storage and shipping.



WINCH LINE SELECTION GUIDE				
PART#	DESCRIPTION	HOOK SIZE <small>(See page 24)</small>	*MIN-BREAK STRENGTH	WEIGHT
6 x 19 CLASS FIBER CORE WIRE ROPE				
WL06035FL	3/8" x 35'	4020AS	13,440 lbs.	12.9 lbs.
WL06050FL	3/8" x 50'	4020AS	13,440 lbs.	14.4 lbs.
WL06065FL	3/8" x 65'	4020AS	13,440 lbs.	19.9 lbs.
WL06100FL	3/8" x 100'	4020AS	13,440 lbs.	28.1 lbs.
WL06150FL	3/8" x 150'	4020AS	13,440 lbs.	40.0 lbs.
WL07050FL	7/16" x 50'	4032AS	18,200 lbs.	20.8 lbs.
WL07100FL	7/16" x 100'	4032AS	18,200 lbs.	36.8 lbs.
WL07150FL	7/16" x 150'	4032AS	18,200 lbs.	52.8 lbs.
WL07200FL	7/16" x 200'	4032AS	18,200 lbs.	68.8 lbs.
WL08050FL	1/2" x 50'	4032AS	23,600 lbs.	28.0 lbs.
WL08100FL	1/2" x 100'	4032AS	23,600 lbs.	49.0 lbs.
WL08150FL	1/2" x 150'	4032AS	23,600 lbs.	70.0 lbs.
WL08200FL	1/2" x 200'	4032AS	23,600 lbs.	91.0 lbs.
WL09100FL	9/16" x 100'	4054AS	29,800 lbs.	73.4 lbs.
WL09150FL	9/16" x 150'	4054AS	29,800 lbs.	99.9 lbs.
WL09200FL	9/16" x 200'	4054AS	29,800 lbs.	126.4 lbs.
WL10100FL	5/8" x 100'	4054AS	36,600 lbs.	80.4 lbs.
WL10150FL	5/8" x 150'	4054AS	36,600 lbs.	117.9 lbs.
WL10200FL	5/8" x 200'	4054AS	36,600 lbs.	148.0 lbs.
WL10250FL	5/8" x 250'	4054AS	36,600 lbs.	180.3 lbs.
6 x 19 CLASS STEEL CORE WIRE ROPE (IWRC)				
WL05050SL	5/16" x 50'	4020AS	9,800 lbs.	10.5 lbs.
WL06050SL	3/8" x 50'	4020AS	15,100 lbs.	16.7 lbs.
WL06100SL	3/8" x 100'	4020AS	15,100 lbs.	29.7 lbs.
WL06150SL	3/8" x 150'	4020AS	15,100 lbs.	42.6 lbs.
WL07050SL	7/16" x 50'	4032AS	20,400 lbs.	21.4 lbs.
WL07100SL	7/16" x 100'	4032AS	20,400 lbs.	38.9 lbs.
WL07150SL	7/16" x 150'	4032AS	20,400 lbs.	56.4 lbs.
WL08100SL	1/2" x 100'	4032AS	26,600 lbs.	53.0 lbs.
WL08150SL	1/2" x 150'	4032AS	26,600 lbs.	76.0 lbs.
WL08200SL	1/2" x 200'	4032AS	26,600 lbs.	99.0 lbs.
WL09100SL	9/16" x 100'	4054AS	33,600 lbs.	68.8 lbs.
WL09150SL	9/16" x 150'	4054AS	33,600 lbs.	99.5 lbs.
WL09200SL	9/16" x 200'	4054AS	33,600 lbs.	129.0 lbs.
WL09250SL	9/16" x 250'	4054AS	33,600 lbs.	158.5 lbs.
WL10100SL	5/8" x 100'	4054AS	41,200 lbs.	86.9 lbs.
WL10150SL	5/8" x 150'	4054AS	41,200 lbs.	123.0 lbs.
WL10200SL	5/8" x 200'	4054AS	41,200 lbs.	158.9 lbs.
WL10250SL	5/8" x 250'	4054AS	41,200 lbs.	195.0 lbs.
WL12200SL	3/4" x 200'	4080AS	58,800 lbs.	236.0 lbs.
WL12250SL	3/4" x 250'	4080AS	58,800 lbs.	288.0 lbs.
WL12300SL	3/4" x 300'	4080AS	58,800 lbs.	340.0 lbs.

***Minimum Break Strength** - apply to new unused wire rope assemblies. Always use the size and type of wire rope specified by the wrecker or winch manufacturer. See page 8 for definition of minimum break strength. All other sizes are available. Bulk wire rope is in stock. Boom support cables are also available! **Larger winchlines are supplied on reels.



Winchline 'n a box (Self-Locking Swivel Hooks)

WINCH LINE SELECTION GUIDE				
PART#	DESCRIPTION	HOOK SIZE <small>(See page 24)</small>	*MIN-BREAK STRENGTH	WEIGHT
6 x 19 CLASS FIBER CORE WIRE ROPE				
WL06035FSL	3/8" x 35'	3020AS	13,440 lbs.	12.0 lbs.
WL06050FSL	3/8" x 50'	3020AS	13,440 lbs.	15.5 lbs.
WL06065FSL	3/8" x 65'	3020AS	13,440 lbs.	19.0 lbs.
WL06100FSL	3/8" x 100'	3020AS	13,440 lbs.	27.2 lbs.
WL06150FSL	3/8" x 150'	3020AS	13,440 lbs.	39.1 lbs.
WL07050FSL	7/16" x 50'	3032AS	18,200 lbs.	19.9 lbs.
WL07100FSL	7/16" x 100'	3032AS	18,200 lbs.	35.9 lbs.
WL07150FSL	7/16" x 150'	3032AS	18,200 lbs.	51.9 lbs.
WL07200FSL	7/16" x 200'	3032AS	18,200 lbs.	67.9 lbs.
WL08050FSL	1/2" x 50'	3032AS	23,600 lbs.	30.2 lbs.
WL08100FSL	1/2" x 100'	3032AS	23,600 lbs.	51.2 lbs.
WL08150FSL	1/2" x 150'	3032AS	23,600 lbs.	72.2 lbs.
WL08200FSL	1/2" x 200'	3032AS	23,600 lbs.	93.2 lbs.
WL09100FSL	9/16" x 100'	3054AS	29,800 lbs.	74.3 lbs.
WL09150FSL	9/16" x 150'	3054AS	29,800 lbs.	100.8 lbs.
WL09200FSL	9/16" x 200'	3054AS	29,800 lbs.	127.3 lbs.
WL10100FSL	5/8" x 100'	3054AS	36,600 lbs.	80.2 lbs.
WL10150FSL	5/8" x 150'	3054AS	36,600 lbs.	117.7 lbs.
WL10200FSL	5/8" x 200'	3054AS	36,600 lbs.	147.8 lbs.
WL10250FSL	5/8" x 250'	3054AS	36,600 lbs.	180.1 lbs.
6 x 19 CLASS STEEL CORE WIRE ROPE (IWRC)				
WL06050SSL	3/8" x 50'	3020AS	15,100 lbs.	16.7 lbs.
WL06100SSL	3/8" x 100'	3020AS	15,100 lbs.	29.7 lbs.
WL06150SSL	3/8" x 150'	3020AS	15,100 lbs.	42.6 lbs.
WL07050SSL	7/16" x 50'	3032AS	20,400 lbs.	21.4 lbs.
WL07100SSL	7/16" x 100'	3032AS	20,400 lbs.	38.9 lbs.
WL07150SSL	7/16" x 150'	3032AS	20,400 lbs.	56.4 lbs.
WL08100SSL	1/2" x 100'	3032AS	26,600 lbs.	54.0 lbs.
WL08150SSL	1/2" x 150'	3032AS	26,600 lbs.	77.0 lbs.
WL08200SSL	1/2" x 200'	3032AS	26,600 lbs.	100.0 lbs.
WL09100SSL	9/16" x 100'	3054AS	33,600 lbs.	67.2 lbs.
WL09150SSL	9/16" x 150'	3054AS	33,600 lbs.	96.6 lbs.
WL09200SSL	9/16" x 200'	3054AS	33,600 lbs.	126.1 lbs.
WL09250SSL	9/16" x 250'	3054AS	33,600 lbs.	155.6 lbs.
WL10100SSL	5/8" x 100'	3054AS	41,200 lbs.	84.0 lbs.
WL10150SSL	5/8" x 150'	3054AS	41,200 lbs.	120.1 lbs.
WL10200SSL	5/8" x 200'	3054AS	41,200 lbs.	156.0 lbs.
WL10250SSL	5/8" x 250'	3054AS	41,200 lbs.	192.2 lbs.
WL12200SSL	3/4" x 200'	3080AS	58,800 lbs.	251.0 lbs.
WL12250SSL	3/4" x 250'	3080AS	58,800 lbs.	303.0 lbs.
WL12300SSL	3/4" x 300'	3080AS	58,800 lbs.	355.0 lbs.

Self-Locking Swivel Hook Winch Lines

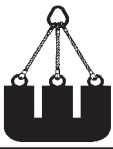
These winch lines are made of the same high quality components as our self-locking eye hook winch lines, only the hook supplied is a self-locking swivel type. These are becoming very popular on car carriers.



NEW!



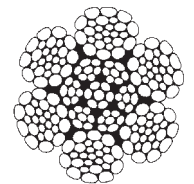
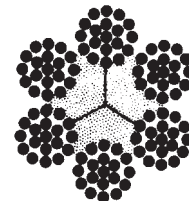
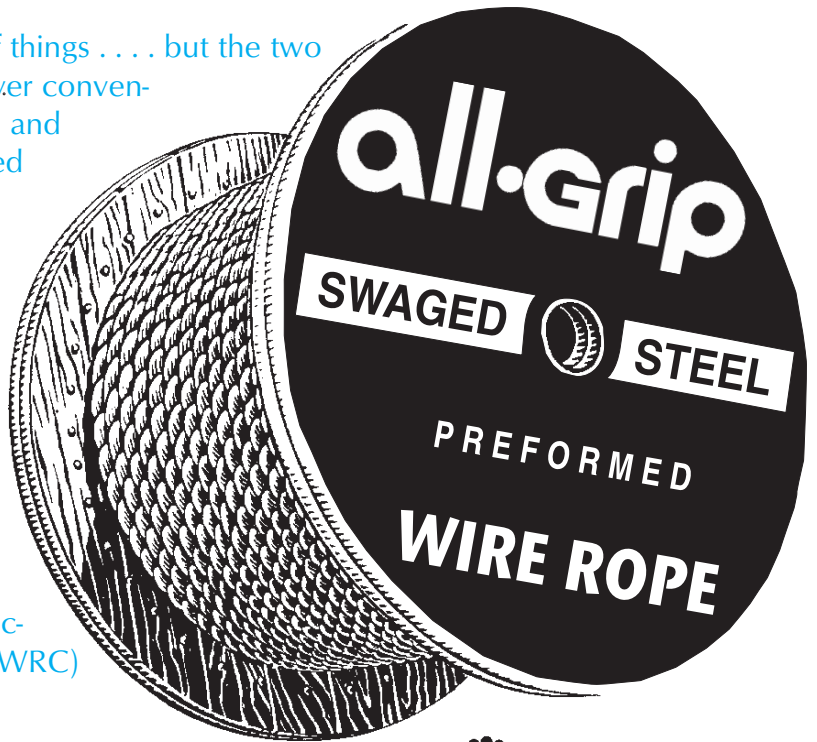
***Minimum Break Strength** - apply to new unused wire rope assemblies. Always use the size and type of wire rope specified by the wrecker or winch manufacturer. See page 8 for definition of minimum break strength. All other sizes are available. Bulk wire rope is in stock. Boom support cables are also available! **Larger winchlines are supplied on reels.



Winchline - Swaged

Super-Swaged

What's so special about the new **all-grip**[®] Super Swaged winch line? . . . Well, lots of things . . . but the two primary advantages of swaged wire rope over conventional wire rope are "higher break strength" and better resistance to crushing. This is achieved by rotary swaging, which is a process of compaction. An oversized wire rope is swaged, which reduces the voids and produces a more solid cross section of wire rope. The result is more steel within a given area which increases the break strength dramatically. These same characteristics allow for greater outer surface area contact on drums and sheaves which resists crushing and deformation. The new **all-grip**[®] swaged winch lines are specially made from 6 x 26 swaged construction with an independent wire rope core. (IWRC) Why not give some a try today!

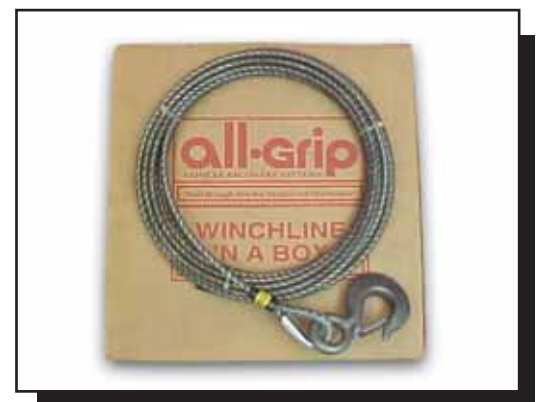


6 x 19 F/C

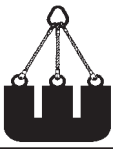
6 x 26 Swaged

The illustration above shows the cross section of our new swaged wire rope in comparison to our standard wire rope.

WINCH LINE SELECTION GUIDE				
PART #	DESCRIPTION	HOOK SIZE	*MIN-BREAK STRENGTH	WEIGHT
STEEL CORE SWAGED WIRE ROPE WITH EYE HOOK				
WL06050SW	3/8" X 50'	3 Ton	17,900 lbs.	15.1 lbs.
WL06060W	3/8" X 60'	3 Ton	17,900 lbs.	18.0 lbs.
WL06075SW	3/8" X 75'	3 Ton	17,900 lbs.	21.2 lbs.
WL06100SW	3/8" X 100'	3 Ton	17,900 lbs.	28.1 lbs.
WL06150SW	3/8" X 150'	3 Ton	17,900 lbs.	41.0 lbs.
STEEL CORE SWAGED WIRE ROPE WITH SWIVEL HOOK				
WL06050SWS	3/8" X 50'	3 Ton	17,900 lbs.	15.8 lbs.
WL06060SWS	3/8" X 60'	3 Ton	17,900 lbs.	18.7 lbs.
WL06075SWS	3/8" X 75'	3 Ton	17,900 lbs.	21.9 lbs.
WL06100SWS	3/8" X 100'	3 Ton	17,900 lbs.	28.8 lbs.
WL06150SWS	3/8" X 150'	3 Ton	17,900 lbs.	41.7 lbs.



*Minimum Break Strength - apply to new unused wire rope assemblies. Always use the size and type of wire rope specified by the wrecker or winch manufacturer. See page 8 for definition of minimum break strength. All other sizes are available.



Wire Rope Extensions



Need to lengthen your winchline? These wire rope extensions provide you that need. Place your winchline hook into the thimble eye of the extension and you've increased the length of your line by 50 ft. Steel core. (IWRC) Packed in a heavy duty cardboard box.

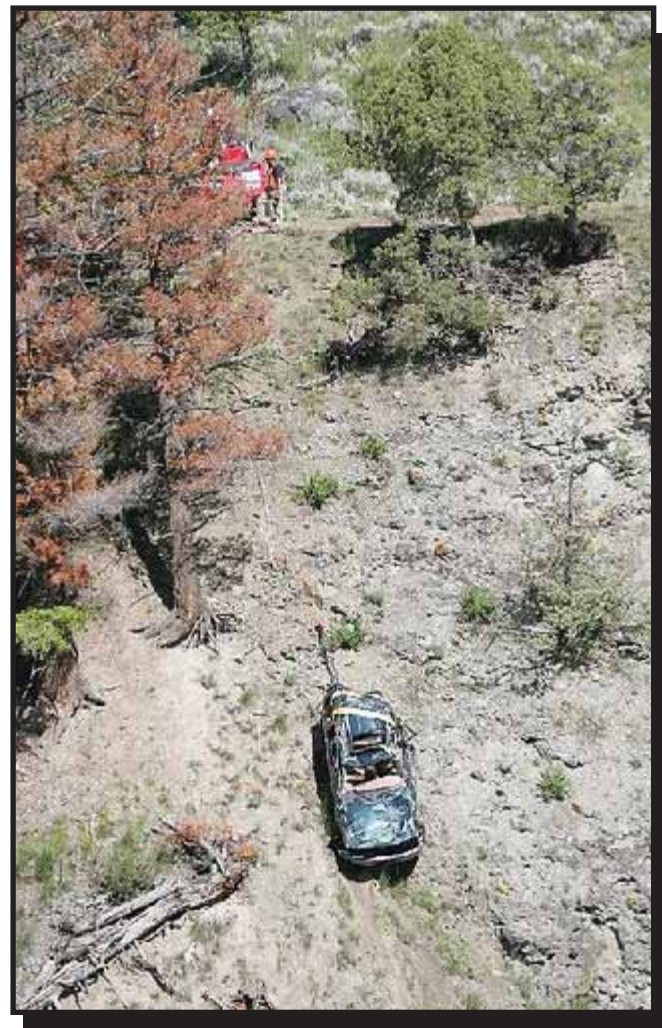
Part #	Size Length	Type	W.L.L.	Weight
WRX0650	3/8" X 50'	Thimble/Hook	2,800 lbs.	18 lbs.
WRX0850	1/2" X 50'	Thimble/Hook	5,000 lbs.	29 lbs.

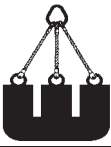
Boom Support Cables

There are wreckers and older equipment that still require the use of Boom Support lines. These are the same as factory replacements. Constructed of 6x19 Eip Fibercore wire rope with a flemished thimble eye at one end. Other end plain.



Part #	Size x Length	W.L.L.	WEIGHT
BS-94	3/8" X 38'	2,800 lbs.	9.5 lbs.
CO-77	7/16" x 20'	3,800 lbs.	7.8 lbs.
BJ-270	7/16" x 43'	3,800 lbs.	15.0 lbs.
CF-182	1/2" x 30'	5,000 lbs.	13.7 lbs.
BK-274	1/2" x 73'	5,000 lbs.	31.8 lbs.
BK-272	1/2" x 86'	5,000 lbs.	37.3 lbs.





Wire Rope Hardware

Eye Hooks

All Eye Hooks feature drop forged construction. Alloy Steel. Supplied with hook latch. Order extra latches found below.



Hook Part #	W.L.L.	WEIGHT	Latch Part #
22406P	3 Ton	1.70 lbs.	90063P
22419P	4 1/2 Ton	3.60 lbs.	90081P
22430P	7 Ton	7.08 lbs.	90107
22441P	11 Ton	13.0 lbs.	90125

Swivel Eye Hooks

Similar to the standard eye hooks, but supplied with a swivel bale to aid in hook rotation. Alloy Steel. Supplied with hook latch. Order extra latches found below.



Hook Part #	W.L.L.	WEIGHT	Latch Part #
25562P	3 Ton	2.57 lbs.	90063P
25580P	4 1/2 Ton	4.75 lbs.	90081P
25606P	7 Ton	10.29 lbs.	90107
25624P	11 Ton	16.25 lbs.	90125

Hook Latches

These are the replacement latches for our eye hooks and swivel eye hooks. Comes complete with latch, spring, bolt & nut.



PART#	HOOK SIZE	WEIGHT
90045	1 1/2 ton	.02 lbs.
90063P	2 - 3 ton	.03 lbs.
90081P	4 1/2 ton	.06 lbs.
90107	7 ton	.11 lbs.
90125	11 ton	.17 lbs.

Wire Rope Clips

Drop forged wire rope clips are galvanized finished. These are not the cheap malleable clips found in hardware stores, but the original "Crosby™" Red U Bolt™.





PART #	SIZE	WEIGHT
10097	3/8"	.47 lbs.
10113	7/16"	.76 lbs.
10131	1/2"	.80 lbs.
10159	9/16"	1.04 lbs.
10177	5/8"	1.06 lbs.
10195	3/4"	1.50 lbs.
10211	7/8"	2.12 lbs.

See page 39 for application instructions!

Self Locking Hooks

These hooks are grade 80 forged alloy steel and have a positive lock latch which is self-locking when loaded. They can be used on alloy chain as well as wire rope winch lines. The swivel model uses a bronze bushing for ease of rotation.

	PART#	W.L.L.	CHAIN G80	CABLE SIZE	TYPE	WEIGHT
	3020AS	4,500	5/16"	3/8"	Swivel	2.4 lbs.
	3032AS	7,100	3/8"	7/16"-1/2"	Swivel	4.2 lbs.
	3054AS	12,000	1/2"	9/16"-5/8"	Swivel	8.4 lbs.
	3080AS	18,100	5/8"	3/4"	Swivel	15.6 lbs.
	4020AS	4,500	5/16"	3/8"	Eye	1.7 lbs.
	4032AS	7,100	3/8"	7/16"-1/2"	Eye	3.3 lbs.
	4054AS	12,000	1/2"	9/16"-5/8"	Eye	6.2 lbs.
	4080AS	18,100	5/8"	3/4"	Eye	12.3 lbs.

See page 24 for additional self-locking hooks.
See page 23 for grade 100 self-locking hooks.

Boom Sheaves

These are replacement sheaves commonly found on tow truck booms. They are cast iron and all have bronze bushings. 3 models to choose from.



PART#	DIA.	WIDTH	BORE	WIRE SIZE	WEIGHT
7361222	6"	1"	3/4"	3/8" - 1/2"	4.0 lbs.
7361422	6"	1"	1"	3/8" - 1/2"	4.0 lbs.
7361522	6"	1"	1-1/4"	3/8" - 1/2"	4.6 lbs.



Operating Practices

PROPER UNWINDING

A wire rope can be damaged permanently even before it has gone into operation. Short lengths of wire rope often come in coils. Uncoil these lengths by rolling the coil slowly like a wheel, leaving behind a trail of *straight* rope. (Uncoiling by laying the coil flat and pulling off the top can give you hard-to-handle kinky rope.)



When spooling onto operating drums, best service will be received if the rope can be first laid out straight on the ground prior to reeving and then pulled into the system under tension.

SHEAVES AND DRUMS

When an inspector examines a rope, he may see sections showing excessive wear. By flagging the rope, he can quickly determine where the rope is rubbing or contacting parts of the equipment, and then repair, replace, or modify the condition causing the wear.

Inspection of sheaves is a relatively simple, yet vital task.

Sheaves should be checked for:

1. Correct groove diameter.
2. Roundness or contour to give proper support to the rope.
3. Small holes, cracks, uneven surfaces, or other defects which might be detrimental to the rope.
4. Extreme deep wear.

A sheave should also be checked to make sure it turns freely, is properly aligned, has no broken or cracked flanges, and has bearings that work properly.

Drums should also be inspected for signs of wear which could damage rope.

Operating with a smooth drum calls for special care. Be sure the rope is always tightly wound and thread laid on the first layer. Any loosening of the line is easily observed as the winding will be bad and the rope will be coming off with a series of "bad spots".

Other places of contact such as rollers, scrub boards, guides and end attachments should also be inspected.

FREQUENT INSPECTION

Wire rope shall be visually inspected by the person handling the wire rope each day it is used. These visual observations should be concerned with discovering gross damage, such as listed below, which may be an immediate hazard:

- (a) distortion of rope such as kinking, crushing, unstranding, bird caging, main strand displacement, or core protrusion. Loss of rope diameter in short rope lengths or unevenness of outer strands should provide evidence the rope should be replaced.
- (b) general corrosion;
- (c) broken or cut strands;
- (d) number, distribution, and type of visible broken wires.

PERIODIC INSPECTION

A periodic inspection shall be performed by a designated person on a regular basis with frequency of inspection based on:

- (a) frequency of wire rope use;
- (b) severity of service conditions;
- (c) nature of lifts being made;
- (d) experience gained on the service life of wire rope used in similar circumstances.

REMOVAL FROM SERVICE

Wire Rope shall be immediately removed from service if any of the following conditions are present:

1. Kinks, bird caging or popped core in the working section of the wire rope.
2. Discoloration due to excessive heat.
3. Corrosion with pitting of the wires.
4. More than 11 broken wires in 6 diameters of length.
5. More than 3 broken wires in any one strand.
6. More than 2 broken wires at the end connection.
7. U-bolt clip installation other than specified and illustrated on page 25.

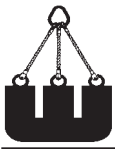
OPERATING PRACTICES

The following rules are required operating practices to be followed each time wire rope is used.



WARNING

- Failure to read, understand and follow these instructions may cause death or serious injury.
- Read and understand these instructions before using wire rope.
- The weight of load shall be within the rated load (working load limit of the wire rope).
- Wire rope shall not be shortened or lengthened by knotting, by wire rope clips, or other methods not approved by the wire rope manufacturer.
- Wire rope that appears to be damaged shall not be used unless inspected and accepted as usable.
- The wire rope shall be hitched in a manner providing control of the load.
- Never use a winch line as a tie down securement.
- Rollback winch lines are used to position the vehicle upon the deck. After this is accomplished and the vehicle has been secured with tie downs, the winch line must be removed from the vehicle prior to traveling.
- Sharp corners in contact with the wire rope shall be padded with material of sufficient strength to minimize damage to the wire rope.
- Portions of the human body should be kept from between the winch and the load.
- Personnel should stand clear of the suspended or winching load.
- Shock loading should be avoided.
- Wire rope should not be pulled from under a load when the load is resting on the wire rope.
- Twisting and kinking the legs shall be avoided.
- The load applied to the hook should be centered in the base (bowl) of the hook to prevent point loading on the hook.
- During lifting, with or without load, personnel shall be alert for possible snagging.
- Do not inspect a wire rope by passing bare hands over the wire rope body. Broken wires, if present, may puncture hands.
- Fiber core wire rope should not be subjected to degreasing or a solvent because of possible damage to the core.
- Fiber core wire rope shall not be exposed to temperatures in excess of 180°F (82 °C).
- Do not stand between disabled vehicle and recovery vehicle.



Operating Practices ■ Wire Rope Hardware

WIRE ROPE CLIPS

⚠ WARNING

- Failure to read, understand and follow these instructions may cause death or serious injury.
- Read and understand these instructions before using clips.
- Prepare wire rope end termination only as instructed.
- Do not use with plastic coated wire rope.
- Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next check and retighten nuts to recommended torque. (see Table 1)

Efficiency ratings for wire rope end terminations are based upon the catalog breaking strength of wire rope. The efficiency rating of a properly prepared loop or thimble-eye termination for clip sizes 1/8" through 7/8" is 80%.



Refer to Table 1 in following these instructions. Turn back specified amount of rope from thimble or loop. Apply first clip one base width from dead end of rope. Apply U-Bolt over dead end of wire rope live end rests in saddle. Tighten nuts evenly, alternate from one nut to the other until reaching the recommended torque.



When two clips are required, apply the second clip as near the loop or thimble as possible. Tighten nuts evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or thimble as possible, turn-nuts on second clip firmly, but do not tighten. Proceed to Step 3.



When three or more clips are required, space additional clips equally between first two - take up rope slack - tighten nuts on each U-Bolt evenly, alternating from one nut to the other until reaching recommended torque.

4. IMPORTANT

Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and retighten nuts to recommended torque. In accordance with good rigging and maintenance practices, the wire rope end termination should be inspected periodically for wear, abuse and general adequacy.

Clip Size (Inches)	Minimum No. of Clip	Amount of Rope to Turn Back in Inches	Torque in Ft. Lbs.
1/8	2	3-1/4	4.5
3/16	2	3-3/4	7.5
1/4	2	4-3/4	15
5/16	2	5-1/4	30
3/8	2	6-1/2	45
7/16	2	7	65
1/2	3	11-1/2	65
9/16	3	12	95
5/8	3	12	95
3/4	4	18	130
7/8	4	19	225

WINCH LINE AND HOIST HOOKS

⚠ WARNING

- Loads may disengage from hook if proper procedures are not followed.
- A falling load may cause serious injury or death.
- Threads may corrode and/or strip and drop the load.
- Hook must always support the load. The load must never be supported by the latch.
- Never apply more force than the hook's assigned Working Load Limit (WLL rating.)
- Never shock load a hook.
- Read and understand these instructions before using hook.
- Always visually inspect hook before using.
- Never use a hook whose throat opening has been increased, or whose tip has been bent more than 10 degrees out of plane from the hook body, or is in any other way distorted or bent. **Note: A latch will not work properly on a hook with a bent or worn tip.**
- Remove from service any hook with a crack, nick, or gouge.
- Never repair, alter, rework, or reshape a hook by welding, heating, burning, or bending.
- Never side load, back load, or tip load a hook. (see figure 2)
- Eye hooks, shank hook and swivel hooks are designed to be used with wire rope or chain.
- Do not swivel a swivel hook while it is supporting a load.
- Always make sure the hook supports the load. (see figure 3) The latch must never support the load. (see figure 4)
- See ASME B30.10 "Hooks" for additional information.
- Do not stand between disabled vehicle and recovery vehicle.

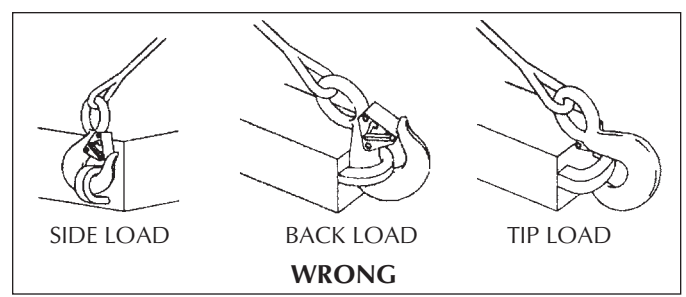


FIGURE 2

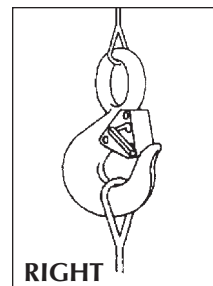


FIGURE 3

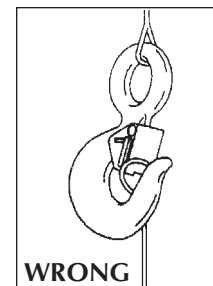


FIGURE 4

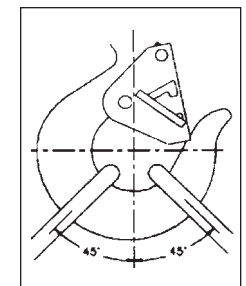


FIGURE 5