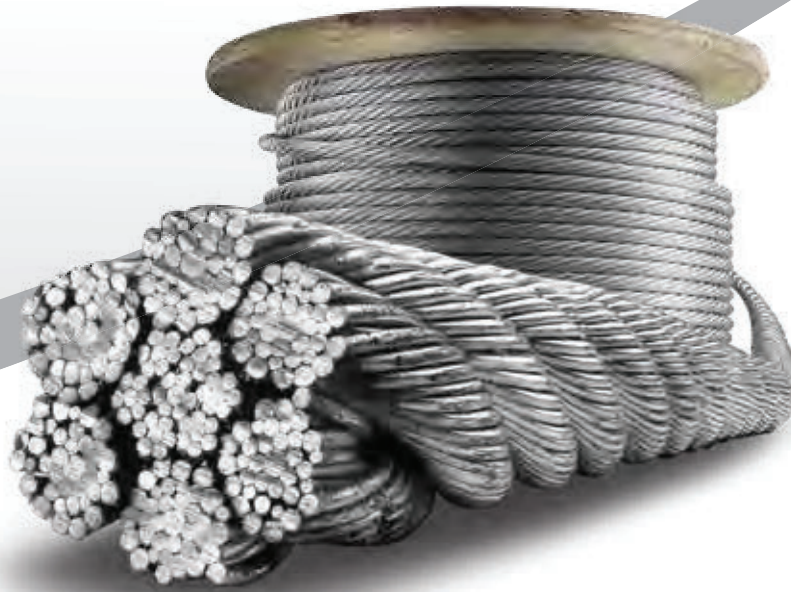


**2022/23
CATALOG**

NORTHERN  **STRANDS**
Canadian owned and operated since 1970

WIRE ROPE



BRIGHT STEEL WIRE ROPE



BRIGHT STEEL WIRE ROPE

Bright steel wire rope is fabricated from wires that are not coated.

SPECIFICATIONS:

Type: 6x26 and 6x36

Material: Extra Improved Plow Steel (EIPS)

Lay: Right hand regular lay

Finish: A-Lube

Construction: IWRC



6x26

ROPE SIZE	CONST.	M.B.S. (LBS.)
3/8"	6X26	15,100
7/16"	6X26	20,400
1/2"	6X26	26,600
9/16"	6X26	33,600
5/8"	6X26	41,200
3/4"	6X26	58,800
7/8"	6X26	79,600
1"	6X26	103,400

Custom lengths available from 1ft to 5000 ft continuous.



6x36

ROPE SIZE	CONST.	M.B.S. (LBS.)
3/8"	6X36	15,100
7/16"	6X36	20,400
1/2"	6X36	26,600
9/16"	6X36	33,600
5/8"	6X36	41,200
3/4"	6X36	58,800
7/8"	6X36	79,600
1"	6X36	103,400
1-1/8"	6X36	130,000
1-1/4"	6X36	159,800

Custom lengths available from 1ft to 5000 ft continuous.

HOT DIPPED GALVANIZED AIRCRAFT CABLE



GALVANIZED AIRCRAFT CABLE

Galvanized aircraft cable is made up of strands of galvanized wire.

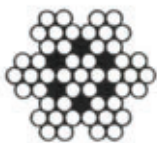
SPECIFICATIONS:

Type: 7x7 and 7x19

Material: Improved Plow Steel (IPS)

Lay: Right hand regular lay

Finish: Hot dipped galvanized



7x7

ROPE SIZE	BREAK STRENGTH (LBS.)	CONST.	LENGTH PER REEL
1/16"	480 LBS	7X7	500'
1/16"	480 LBS	7X7	1000'
1/16"	480 LBS	7X7	5000'
3/32"	920 LBS	7X7	500'
3/32"	920 LBS	7X7	1000'
3/32"	920 LBS	7X7	5000'

Custom lengths available from 1ft to 5000 ft continuous.



7x19

ROPE SIZE	BREAK STRENGTH	CONST.	LENGTH PER REEL
1/8"	2,000 LBS	7X19	1000'
1/8"	2,000 LBS	7X19	2500'
1/8"	2,000 LBS	7X19	5000'
5/32"	2,800 LBS	7X19	1000'
5/32"	2,800 LBS	7X19	2500'
5/32"	2,800 LBS	7X19	5000'
3/16"	4,200 LBS	7X19	1000'
3/16"	4,200 LBS	7X19	2500'
3/16"	4,200 LBS	7X19	5000'
1/4"	7,000 LBS	7X19	1000'
1/4"	7,000 LBS	7X19	2500'
1/4"	7,000 LBS	7X19	5000'
5/16"	9,800 LBS	7X19	500'
5/16"	9,800 LBS	7X19	1000'
5/16"	9,800 LBS	7X19	5000'
3/8"	14,400 LBS	7X19	500'
3/8"	14,400 LBS	7X19	5000'

Custom lengths available from 1ft to 5000 ft continuous.

STAINLESS STEEL AIRCRAFT CABLE



STAINLESS STEEL AIRCRAFT CABLE

Stainless steel wire rope is made up of corrosion resistant steel wires.

SPECIFICATIONS:

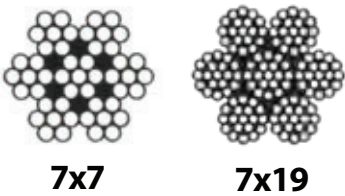
Type: 7x7 and 7x19

Material: Improved Plow Steel (IPS)

Lay: Right hand regular lay

Finish: Stainless Steel

Construction: Type 304



ROPE SIZE	BREAK STRENGTH (LBS.)	CONST.
1/16"	480	7X7
3/32"	920	7X7
1/8"	1,760	7X19
5/32"	2,400	7X19
3/16"	3,700	7X19
1/4"	6,400	7X19
5/16"	9,000	7X19
3/8"	12,000	7X19

Custom lengths available from 1ft to 5000ft continuous.

PROGRESSIONER CABLE



NORTHERN STRANDS IS A PREMIUM SUPPLIER OF PROGRESSIONER CABLES

COMPACTED DRAWN - 6 STRAND

Applications: Surface Mining, Construction, Logging, Oil Fields, Winch Lines, Car Pullers/Progressioner.

CABLE COMPOSITION AND BENEFITS

Northern Strands uses 6 x 31 Warrington Seale Compacted Strand IWRC. This cable has a smoother bearing surface at the strand crowns and an increase in minimum breaking force over round strand rope of the same diameter and classification.

GENERAL CHARACTERISTICS

Compacted cables have more load bearing capacities than the standard cables with same diameters. Abrasion is less and usage lives are longer as they contact the reel surfaces in a larger area.

- High Strength to Diameter Ratio
- High Resistance to Abrasion
- High Resistance to Crushing
- Better Fatigue Resistance
- Equals Better Service Life

WEIGHTS AND BREAKING LOADS TABLE			
DIA. INCHES	WEIGHT LBS/FT	BREAKING STRENGTH LBS	CONSTRUCTION
3/4"	1.09	64,800	6 X 31
7/8"	1.49	87,600	6 X 31
1"	1.94	113,800	6 X 31
1 1/8"	2.46	143,000	6 X 31
1 1/4"	3.03	175,800	6 X 31

HIGH PERFORMANCE CRANE ROPES



6-STRAND HOIST ROPE TO SUIT EUROPEAN OVERHEAD CRANES

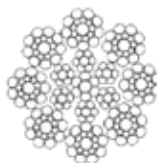


6x36

Not Dyformed
Not Galvanized

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
8	37.3	0.27
9	53.8	0.34
11	80.7	0.52
12	110.0	0.60
14	144.0	0.84
15	169.0	0.99

8-STRAND EUROPEAN STYLE HOISTING ROPE TO SUIT DEMAG OVREHEAD CRANES



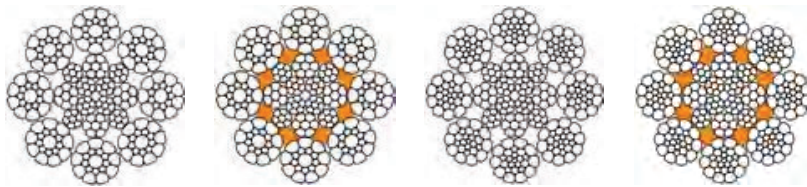
8x19

Not Dyformed
Not Galvanized

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
6.5	27.9	0.10
7.5	37.3	0.16
8	42.3	0.27
9	53.4	0.34
10	66.3	0.43
11	80.1	0.52

CRANEMAX L8PK

SPECIAL HOIST



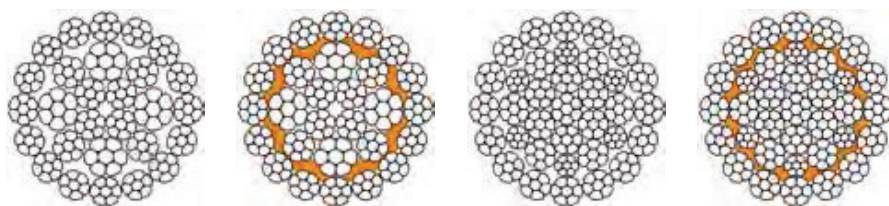
- Smoother contact surface in respect to conventional hoist ropes
- High resistance to side pressure and crushing
- Enhanced resistance to fleet angle if plastic impregnated

Diameter		Metallic area		Mass		MBF		
mm	in	mm ²	in ²	kg/m	lb/ft	kN	Tonnes	kips
13		92.1	0.143	0.761	0.511	162	16.5	36.5
14		107	0.166	0.882	0.593	188	19.2	42.3
15		123	0.190	1.01	0.680	216	22.0	48.6
16	5/8	137	0.213	1.13	0.762	242	24.7	54.4
17		140	0.216	1.15	0.774	246	25.1	55.3
17		158	0.244	1.30	0.874	277	28.3	62.4
18		177	0.274	1.46	0.980	311	31.7	70.0
19	3/4	197	0.305	1.62	1.09	347	35.3	78.0
20		218	0.338	1.80	1.21	384	39.1	86.4
22		264	0.409	2.18	1.46	465	47.4	105
22	7/8	269	0.417	2.22	1.49	474	48.3	107
24		314	0.487	2.59	1.74	553	56.4	124
25		335	0.520	2.81	1.89	594	60.5	134
25	1	346	0.537	2.90	1.95	613	62.5	138
26		363	0.562	3.04	2.04	642	65.5	145
28		421	0.652	3.53	2.37	745	75.9	168
28	1 1/8	438	0.679	3.67	2.47	776	79.1	175
30		483	0.749	4.05	2.72	855	87.2	192
30	1 1/4	541	0.839	4.54	3.05	958	97.6	215

These figures are for guidance only. Other features, such as MBF, dimensions, lay type and plastic fill can be designed on request. MBF values are referred to 2160 grade, custom values are available on demand.

CRANEMAX XL35K

ROTATION RESISTANT



- Excellent rotational properties
- Extremely high MBF
- Enhanced resistance to fleet angle if plastic impregnated

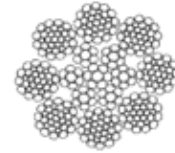
Diameter		Metallic area		Mass		MBF		
mm	in	mm ²	in ²	kg/m	lb/ft	kN	Tonnes	kips
10		56.0	0.087	0.490	0.329	100	10.2	22.5
11		67.8	0.105	0.593	0.398	121	12.3	27.2
12		80.6	0.125	0.706	0.474	144	14.7	32.4
13	1/2	90.3	0.140	0.790	0.531	161	16.4	36.3
14		94.6	0.147	0.828	0.556	169	17.2	38.0
		110	0.170	0.960	0.645	196	20.0	44.1
15	5/8	126	0.195	1.10	0.741	225	22.9	50.6
		141	0.219	1.23	0.830	252	25.7	56.7
16		143	0.222	1.25	0.843	256	26.1	57.6
17	3/4	162	0.251	1.42	0.952	289	29.5	65.0
18		181	0.281	1.59	1.07	324	33.0	72.9
19		210	0.326	1.81	1.21	361	36.8	81.2
20	7/8	233	0.361	2.00	1.34	400	40.8	90.0
22		282	0.437	2.42	1.63	484	49.3	109
		288	0.446	2.47	1.66	494	50.4	111
24	1	336	0.520	2.88	1.94	576	58.7	130
25		364	0.564	3.13	2.10	625	63.7	141
		376	0.582	3.23	2.17	645	65.8	145
26	1 1/8	394	0.610	3.38	2.27	676	68.9	152
28		457	0.708	3.92	2.63	784	79.9	176
		476	0.737	4.08	2.74	817	83.2	184
30	1 1/4	524	0.813	4.50	3.02	900	91.7	203
		587	0.910	5.04	3.39	1010	103	227
32		596	0.925	5.12	3.44	1020	104	230
34	1 3/8	673	1.04	5.78	3.88	1160	118	260
35		710	1.10	6.10	4.10	1220	124	274
36		755	1.17	6.48	4.36	1300	132	292
38	1 1/2	841	1.30	7.22	4.85	1440	147	325
40		932	1.44	8.00	5.38	1600	163	360

These figures are for guidance only. Other features, such as MBF, dimensions, lay type and plastic fill can be designed on request. MBF values are referred to 2160 grade, custom values are available on demand.

HIGH PERFORMANCE CRANE ROPES

8 X 36 IWRC

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
13	112.1	0.49
14	129.9	0.57
15	149.1	0.66
16	169.5	0.73
18	214.9	0.94
19	238.9	1.05
20	264.7	1.16



8x36

Not Dyformed
Not Galvanized

8 X 25 IWRC

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
13	165.5	0.77
14	194.8	0.90
15	221.6	1.03
16	253.9	1.17
18	320.9	1.48
19	347.7	1.62
20	396.3	1.82
22	484.0	2.22
24	568.0	2.64

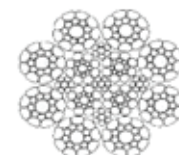


8-FIG

Not Dyformed
Galvanized

ULTRA STRENGTH 8-STRAND ORDINARY LAY - GALVANIZED (ISO CLASS B) ULTRA STRENGTH STEEL 2160 MPA

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
6.4/6.5	41.8	0.20
7.2	51.6	0.25
8	63.0	0.30
9	76.8	0.37
10	98.5	0.47
11	122.0	0.58
12	145.0	0.70



8x19

SIG
Dyformed
Galvanized

STAINLESS STEEL, MALLEABLE AND HEAVY DUTY DROP FORGED CLIPS



STAINLESS STEEL CLIPS (LIGHT DUTY)
ROPE SIZE
1/8"
3/16"
1/4"
5/16"
3/8"
1/2"
5/8"

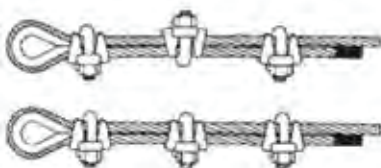
MALLEABLE CLIPS (LIGHT DUTY)
ROPE SIZE
1/8"
3/16"
1/4"
5/16"
3/8"
1/2"
5/8"
3/4"
7/8"
1"

DROP FORGED CLIPS (HEAVY DUTY)
ROPE SIZE
1/8"
3/16"
1/4"
5/16"
3/8"
1/2"
9/16"
5/8"
3/4"
7/8"
1"
1-1/8"
1-1/4"
1-1/2"
1-3/4"
2"
2-1/4"
2-1/2"
2-3/4"

The Right Way



The Wrong Way



SWAGER CUTTER

SWAGER CUTTER - 24"

Blades drop forged with high quality alloy steel body with heat treatment, cutting edges induction quenched, good cutting by 2 grade lever principal. Used to cut up to 6mm wire rope and press 1/16" to 3/16" aluminum oval sleeves.



FELCO C7 ONE-HAND CABLE CUTTER | CABLE CUTTER

Gives a clean cut without squashing thanks to the triangular cutting system / blades and centre bolt in high-quality hardened steel for exceptional performance / thumb catch designed for one-handed operation / pressed steel handles with non-slip grips.



FELCO C9 TWO-HAND WIRE AND CABLE CUTTER | STEEL CABLE CUTTER

Reliable: unbreakable hardened handles made of forged aluminium with a lifetime guarantee / blades and fastenings in high-quality hardened steel / parts subject to wear and tear can be replaced.

Efficient: clean, precise cut without crushing the cable thanks to the triangular cutting system / easy and durable cutting adjustment.

Ergonomic: lightweight handles / helpful lever effect / comfortable plastic coating.



FELCO C12 TWO-HAND WIRE AND CABLE CUTTER | STEEL CABLE CUTTER

Reliable: unbreakable hardened handles made of forged aluminium with a lifetime guarantee / blades and fastenings in high-quality hardened steel / parts subject to wear and tear can be replaced.

Efficient: clean, precise cut without crushing the cable thanks to the triangular cutting system / easy and durable cutting adjustment.

Ergonomic: lightweight handles / helpful lever effect / comfortable plastic coating.



FELCO C16 TWO-HAND WIRE AND CABLE CUTTER | STEEL CABLE CUTTER

Reliable: unbreakable hardened handles made of forged aluminium with a lifetime guarantee / blades and fastenings in high-quality hardened steel / parts subject to wear and tear can be replaced.

Efficient: clean, precise cut without crushing the cable thanks to the triangular cutting system / easy and durable cutting adjustment.

Ergonomic: lightweight handles / helpful lever effect / comfortable plastic coating.



SLEEVES



ALUMINUM DUPLEX SLEEVES - GENERALLY USED WITH GALVANIZED WIRE

CABLE SIZE	WT./100 LBS	LENGTH	DEPTH	WIDTH	O.D AFTER SWAGE
1/16"	0.10	3/8	11/64	1/4	0.187"
3/32"	0.30	1/2	9/32	13/32	0.281"
1/8"	0.66	5/8	11/32	1/2	0.312"
5/32"	0.88	11/16	3/8	9/16	0.375"
3/16"	1.61	7/16	2	1/32	0.437"
1/4"	2.8	1-1/8	17/32	13/16	0.563"
5/16"	4.6	1-1/4	11/16	1-1/32	0.687"
3/8"	5.9	1-7/16	3/4	1-5/32	0.812"
7/16"	12	1-11/16	15/16	1-7/16	1.000"
1/2"	17	2	1-1/16	1-5/8	1.120"



ALUMINUM WIRE ROPE STOPS- GENERALLY USED WITH GALVANIZED WIRE

CABLE SIZE	WT./100 LBS	LENGTH	DEPTH	WIDTH	O.D AFTER SWAGE
1/16"	0.06	1/4	3/32	0.187"	0.187"
3/32"	0.25	11/32	1/8	0.245"	0.281"
1/8"	0.24	11/32	5/32	0.245"	0.312"
5/32"	0.38	7/16	3/16	0.325"	0.375"
3/16"	0.35	7/16	7/32	0.325"	0.437"
1/4"	2.06	11/16	9/32	0.508"	0.563"
5/16"	1.74	11/16	3/8	0.508"	0.687"



COPPER OVAL SLEEVES - GENERALLY USED WITH STAINLESS STEEL WIRE

CABLE SIZE	WT./100 LBS	LENGTH	DEPTH	WIDTH	O.D AFTER SWAGE
1/16"	0.3	25/64	11/64	1/4	0.190"
3/32"	0.65	29/64	15/64	3/8	0.265"
1/8"	1.6	9/16	21/64	1/2	0.353"
5/32"	2.3	5/8	3/8	19/32	0.390"
3/16"	5.1	7/8	7/16	43/64	0.475"
1/4"	7.5	1-1/8	13/16	1/2	0.585"
5/16"	11.8	1-1/8	2 1/32	1-1/64	0.730"
3/8"	17	1-1/2	23/32	1-1/8	0.795"

SLEEVES



COPPER WIRE ROPE STOPS - GENERALLY USED WITH STAINLESS STEEL WIRE

CABLE SIZE	WT./100 LBS	LENGTH	DEPTH	WIDTH	O.D AFTER SWAGE
1/16"	0.20	13/64	5/64	0.182"	0.187"
3/32"	0.80	21/64	7/64	0.261"	0.281"
1/8"	0.80	21/64	5/32	0.261"	0.312"
5/32"	1.3	27/64	3/16	0.350"	0.375"
3/16"	1.2	27/64	7/32	0.350"	0.437"
1/4"	6	21/32	9/32	0.600"	0.563"
5/16"	9	21/32	5/16	0.600"	0.687"

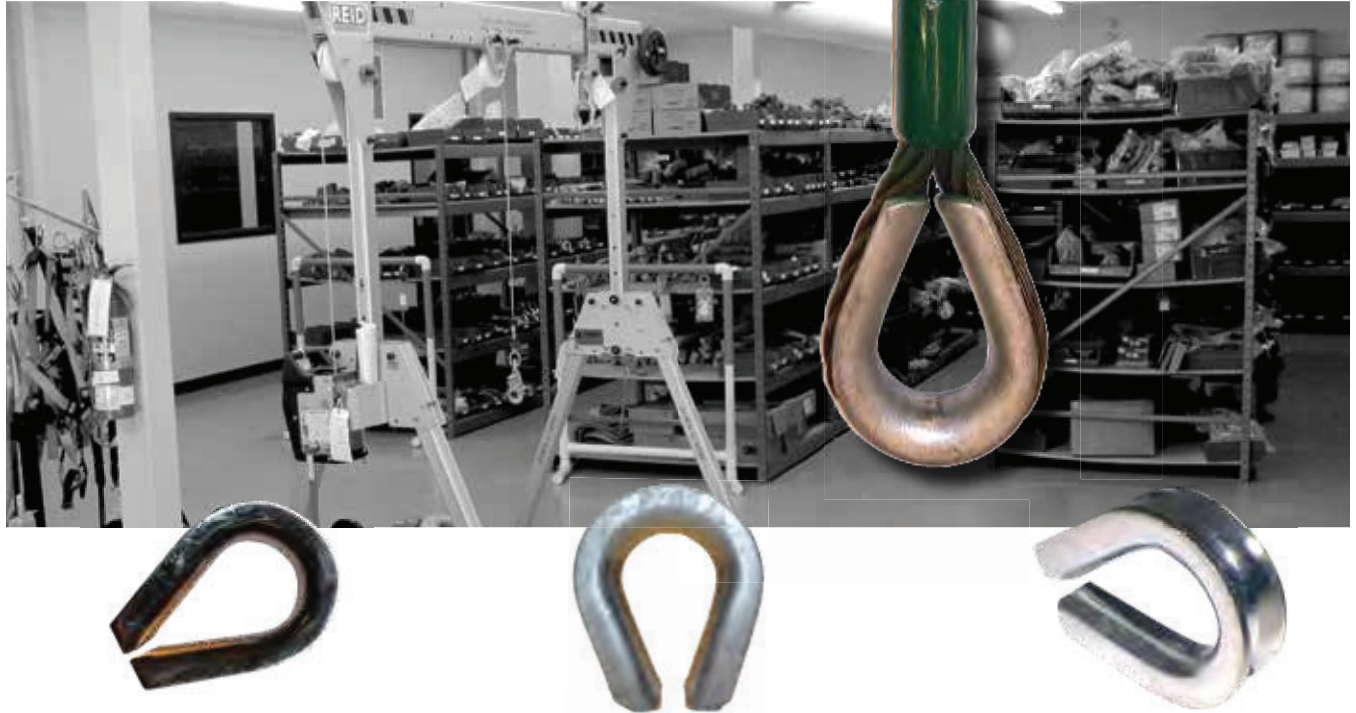


SPIRAL FERRULES

Spiral Ferrules are comprised of two rifles wedges that grip the surface of the wire rope when pulled through. Designed to quickly repair chokers and winchlines where no swaging or socketing is required. For use with 6x19 or 6x37 wire rope.

Stock	Colour	Wedge and Rope Size	Weight Each LBS.
L-797	SILVER	M4 - 7/16" - 1/2" - 9/16"	0.30
L-798	CREAM	(D) LB4 - 7/16" - 1/2" - 9/16"	0.60
L-799	PINK	(D) LB5 - 9/16" - 5/8"	0.50
L-800	BROWN	B4 - 1/2"	1.00
L-801	MAROON	B5 - 5/8"	0.90
L-802	GRAY	B6 - 3/4"	0.80
L-803	WHITE	L6 - 3/4"	1.80
L-804	BLACK	L7 - 7/8"	1.90
L-805	GREEN	L8 - 1"	1.60
L-806	RED	(LJ) J7 - 7/8"	2.40
L-807	BLUE	(LJ) J8 - 1"	2.20
L-808	YELLOW	(LJ) J9 - 1 1/8"	2.10
L-809	ORANGE	(LJ) J10 - 1 1/4"	2.00
L-810	PURPLE	S10 - 1 1/4"	3.20
L-811	GOLD	S11 - 1 3/8"	3.50

THIMBLES



LIGHT DUTY THIMBLES

ROPE SIZE	WEIGHT (100 PCS.)
1/8"	3.5 LBS
3/16"	3.5 LBS
1/4"	3.5 LBS
5/16"	4.0 LBS
3/8"	6.7 LBS
1/2"	12.5 LBS
5/8"	34.5 LBS
3/4"	47.1 LBS
7/8"	84.6 LBS
1"	97.5 LBS

HEAVY DUTY THIMBLES

ROPE SIZE	WEIGHT (100 PCS.)
1/4"	6.5 LBS
5/16"	11.8 LBS
3/8"	21.6 LBS
7/16"	34.7 LBS
1/2"	51 LBS
9/16"	51 LBS
5/8"	75.7 LBS
3/4"	158 LBS
7/8"	177 LBS
1"	313.9 LBS
1-1/8"	400 LBS
1 1/4"-1-3/8"	811 LBS
1-1/2"	1,295 LBS
1-3/4"	1,775 LBS
2"	2,775 LBS

STAINLESS STEEL THIMBLES

LIGHT DUTY	
ROPE SIZE	WEIGHT (100 PCS.)
1/16"	0.5 LBS
1/8"	0.75 LBS
3/16"	1.0 LBS

HEAVY DUTY	
ROPE SIZE	WEIGHT (100 PCS.)
1/4"	6.5 LBS
5/16"	11.8 LBS
3/8"	21.6 LBS
1/2"	51 LBS
5/8"	75.7 LBS
3/4"	158.10 LBS