

24x7 CONSTRUCTION HOIST ROPE

Features:

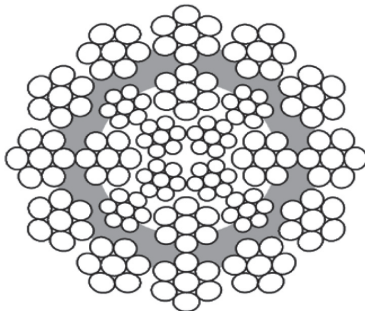
- For Use on Friction, Drum, or Blair Hoist
- Rotation Resistant
- 24x7 Construction
- Good Rotational Stability
- High Flexibility
- Good Handling Properties

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm² - Zinc Aluminum Alloy

Option:

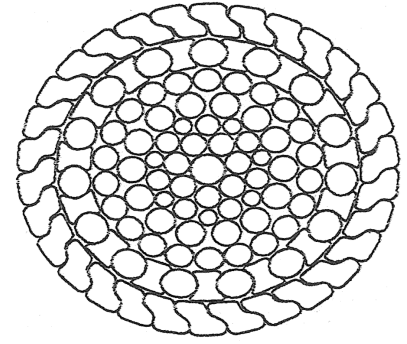
Plastic Encased Core



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
19	3/4	1.49	1.00	265	59,600
20		1.65	1.11	294	66,100
22		2.00	1.34	356	80,000
	7/8	2.04	1.37	363	81,600
24		2.38	1.60	423	95,200
25		2.58	1.73	459	103,000
	1	2.66	1.79	474	107,000
26		2.79	1.88	497	112,000
28		3.24	2.18	576	130,000
	1-1/8	3.37	2.27	600	135,000
30		3.72	2.50	662	149,000
	1-1/4	4.16	2.80	741	167,000
32		4.23	2.84	753	169,000
34		4.77	3.21	850	191,000
35	1-3/8	5.04	3.39	897	202,000
36		5.35	3.60	953	214,000
38	1-1/2	5.96	4.01	1060	239,000
40		6.61	4.44	1180	264,000
41	1-5/8	7.04	4.73	1250	281,000
42		7.29	4.90	1300	291,000
44		8.00	5.37	1420	320,000
	1-3/4	8.16	5.48	1450	326,000
46		8.74	5.87	1560	350,000
48	1-7/8	9.52	6.39	1690	381,000
50		10.3	6.94	1840	413,000
	2	10.7	7.16	1900	426,000

Minimum Breaking Strengths shown are for 1960 Grade.



FULL LOCKED COIL HOIST, SINKING, OR GUIDE ROPE

Features:

- For Use on Friction Hoist
- Use as Sinking Rope on Deep Shafts
- Can be Designed for Use as Guide Rope
- Non-rotating, Low Stretch, High Strength
- Round Smooth Outer Surface
- Z-lock Shaped Wires on Outer Layer
- Combination of Z-lock, X Lock, or Round Wires for Inner Layers
- Available in Various Grade Options

Grade Options Wire Finishes

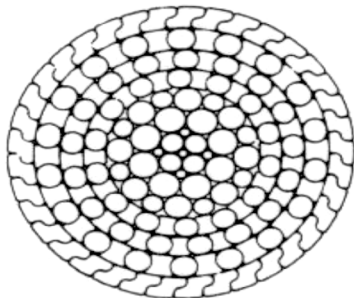
- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm²

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
22	7/8	2.85	1.92	446	100,200
26	1	4.02	2.70	697	156,700
29	1-1/8	4.95	3.33	776	174,400
32	1-1/4	5.65	3.80	875	196,700
35	1-3/8	7.24	4.87	1186	266,600
38	1-1/2	8.45	5.68	1487	334,300
42	1-5/8	10.63	7.14	1634	367,300
45	1-3/4	11.68	7.85	1930	433,800
48	1-7/8	13.45	9.04	2187	491,600
51	2	15.10	10.15	2503	562,600
54	2-1/8	16.95	11.39	2805	630,500
57	2-1/4	18.85	12.67	3125	702,500
61	2-3/8	21.75	14.62	3585	805,900

Values shown are for Full Locked Coil ropes with the following design:
Z wires in 1570 Grade, OX wires in 1660 Grade, and Round Wires in 1960 Grade

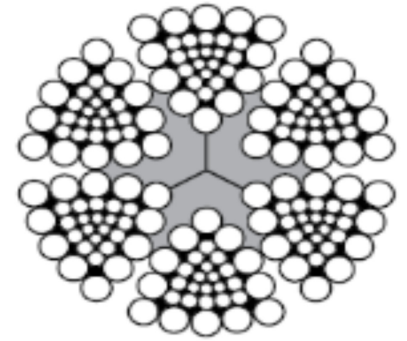
Option:

3 inner X-lock layers



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

FLATTENED STRAND HOIST OR SURFACE MINING ROPE



Features:

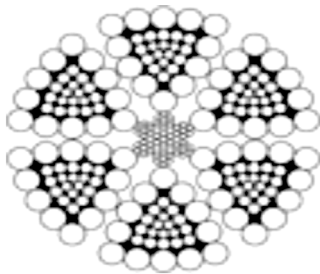
- For use on Drum, or Blair Hoist
- Use on Friction Hoist (Depth < 1000m)
- Use for Surface Mining and Drag
- Various Wire Configurations Available
- Reduces Wear on Sheaves and Drums
- Higher Breaking Strength than 6 Strand
- High Resistance to Crushing and Distortion

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm²

Option:

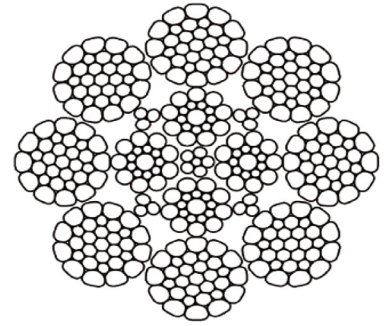
Independent Wire Rope Core (IWRC)



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
21		1.77	1.19	321	72,100
22		1.94	1.30	352	79,100
23		2.13	1.43	385	86,500
24		2.32	1.56	419	94,200
25		2.53	1.70	454	102,000
26		2.74	1.84	500	112,400
27		2.95	1.98	551	123,900
28		3.17	2.13	586	131,800
29		3.43	2.30	639	143,500
30		3.63	2.44	673	151,300
32		4.14	2.78	763	171,600
33		4.38	2.94	817	183,700
34		4.68	3.14	869	195,300
35	1-3/8	4.94	3.32	915	205,600
36		5.23	3.51	959	215,500
37		5.55	3.73	1029	231,300
38	1-1/2	5.84	3.92	1086	244,200
39		6.20	4.17	1147	257,800
40		6.40	4.30	1161	260,900
41		6.83	4.59	1237	278,100
42		7.10	4.77	1295	291,200
43		7.48	5.03	1361	305,900
44		7.81	5.25	1407	316,200
45		8.19	5.50	1464	329,000
46		8.53	5.73	1563	351,300
47		8.90	5.98	1621	364,400
48		9.30	6.25	1666	374,600
49		9.77	6.57	1737	390,500
50		10.09	6.78	1818	408,600
51	2	10.49	7.05	1882	423,000
52		10.93	7.34	1952	438,800
53		11.24	7.55	2019	453,800
54	2-1/8	11.72	7.88	2103	472,700

Minimum Breaking Strengths shown for 1960 Grade with Fiber Core.



COMPACTED 8 STRAND HOIST OR SURFACE MINING ROPE

Features:

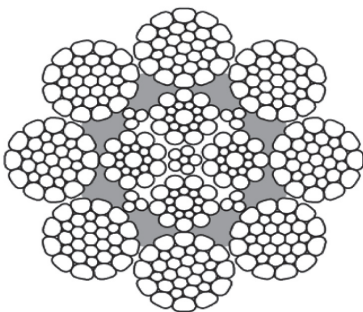
- For Use on Friction, Drum, or Blair Hoist
- Use for Surface Mining and Drag
- High Resistance to Wear
- High Resistance to Corrosion
- Available with IWRC or Special Hybrid Core
- Available with Plastic Encased IWRC
- Available with Plastic Outer cover

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm² - Zinc Aluminum Alloy

Option:

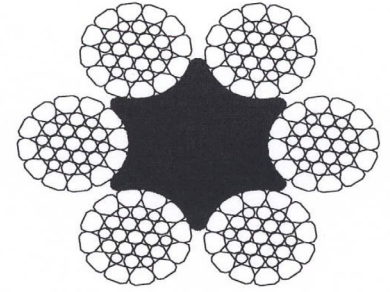
Plastic Encased IWRC



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
19	3/4	1.69	1.14	318	71,400
20		1.88	1.26	352	79,100
22		2.27	1.53	426	95,800
	7/8	2.32	1.56	435	97,700
24		2.70	1.82	507	114,000
25		2.93	1.97	550	124,000
	1	3.03	2.03	568	128,000
26		3.17	2.13	595	134,000
28		3.68	2.47	690	155,000
	1-1/8	3.83	2.57	719	162,000
30		4.22	2.84	792	178,000
	1-1/4	4.73	3.18	887	199,000
32		4.80	3.23	901	203,000
34		5.42	3.64	1020	229,000
35	1-3/8	5.72	3.84	1070	241,000
36		6.08	4.08	1140	256,000
38	1-1/2	6.77	4.55	1270	286,000
40		7.50	5.04	1410	317,000
41	1-5/8	7.99	5.37	1500	337,000
42		8.27	5.56	1550	349,000
44		9.08	6.10	1700	383,000
	1-3/4	9.27	6.23	1740	391,000
46		9.92	6.67	1860	419,000
48	1-7/8	10.8	7.26	2030	456,000
50		11.7	7.88	2200	495,000
	2	12.1	8.13	2270	511,000
52		12.7	8.52	2380	535,000
54	2-1/8	13.7	9.19	2570	577,000
56		14.7	9.88	2760	620,000
58	2-1/4	15.8	10.6	2960	666,000
60	2-3/8	17.1	11.5	3200	720,000
64	2-1/2	19.2	12.9	3600	810,000
65	2-1/8	19.8	13.3	3720	836,000

Minimum Breaking Strengths shown are for 1960 Grade with IWRC.



COMPACTED 6 STRAND HOIST OR SURFACE MINING ROPE

Features:

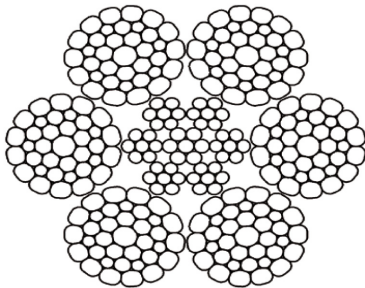
- For Use on Friction, Drum, or Blair Hoist
- Use for Surface Mining and Drag
- Good Resistance to Wear
- Good Resistance to Corrosion
- Available with Fiber Core or IWRC
- Available with Plastic Encased IWRC
- Available with Plastic Outer Cover

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm² - Zinc Aluminum Alloy

Option:

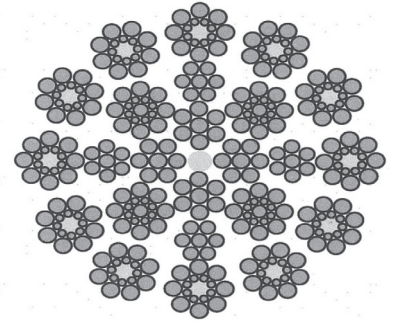
6x36 with IWRC



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
19	3/4	1.64	1.10	307	69,000
20		1.81	1.22	340	76,400
22		2.19	1.47	411	92,500
	7/8	2.24	1.50	420	94,400
24		2.61	1.75	490	110,000
25		2.83	1.90	531	119,000
	1	2.92	1.96	548	123,000
26		3.06	2.06	575	129,000
28		3.55	2.39	666	150,000
	1-1/8	3.70	2.49	694	156,000
30		4.08	2.74	765	172,000
	1-1/4	4.57	3.07	857	193,000
32		4.64	3.12	870	196,000
34		5.24	3.52	983	221,000
35	1-3/8	5.53	3.71	1040	233,000
36		5.87	3.95	1100	248,000
38	1-1/2	6.54	4.40	1230	276,000
40		7.25	4.87	1360	306,000
41	1-5/8	7.72	5.19	1450	326,000
42		7.99	5.37	1500	337,000
44		8.77	5.89	1650	370,000
	1-3/4	8.95	6.01	1680	378,000
46		9.59	6.44	1800	404,000
48	1-7/8	10.4	7.01	1960	440,000
50		11.3	7.61	2130	478,000
	2	11.7	7.86	2190	493,000
52		12.2	8.23	2300	517,000
54	2-1/8	13.2	8.88	2480	557,000
56		14.2	9.55	2670	599,000
58	2-1/4	15.2	10.2	2860	643,000
60	2-3/8	16.5	11.1	3090	695,000
64	2-1/2	18.6	12.5	3480	783,000
65	2-1/8	19.1	12.9	3590	807,000

Minimum Breaking Strengths shown are for 1960 Grade with IWRC.



24x17 CONSTRUCTION FRICTION HOIST ROPE

Features:

- For Use on Friction Hoists (>36mm)
- Rotation Resistant
- 24x17 Construction
- High Service Life
- High Resistance to Fatigue
- Low Stretch

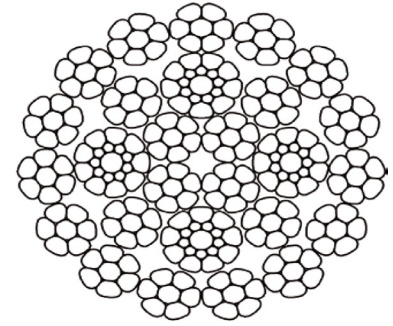
Grade Options Wire Finishes

- | | |
|--------------------------|-----------------------|
| - 1770 N/mm ² | - Bright |
| - 1960 N/mm ² | - Galvanized |
| - 2060 N/mm ² | - Zinc Aluminum Alloy |

For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
36		4.94	3.32	914	205,000
38	1-1/2	5.51	3.71	1023	229,000
40		6.12	4.12	1138	255,000
42	1-5/8	6.76	4.54	1259	283,000
44		7.43	4.99	1385	311,000
45	1-3/4	7.77	5.22	1450	326,000
46		8.12	5.46	1517	341,000
48	1-7/8	8.83	5.93	1653	371,000
50		9.57	6.43	1794	403,000
51	2	9.94	6.68	1866	419,000
52		10.32	6.93	1939	435,000
54	2-1/8	11.09	7.45	2089	469,000
56		11.88	7.98	2241	503,000
57	2-1/4	12.28	8.25	2319	521,000
58		12.68	8.52	2397	538,000
60		13.49	9.06	2556	574,000
61	2-3/8	13.90	9.34	2637	592,000
62		14.31	9.62	2718	611,000
64	2-1/2	15.14	10.17	2882	647,000

Minimum Breaking Strengths shown are for 1960 Grade.



COMPACTED 35x7 HOIST ROPE

Features:

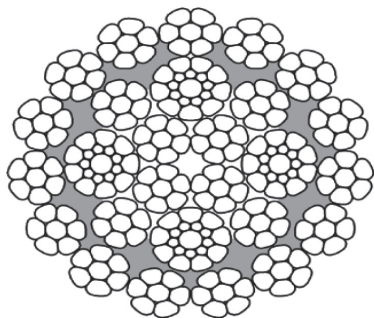
- For Use on Friction, Drum, or Blair Hoist
- Non-rotating
- 35x7 Class
- Compacted Inner and Outer Strands
- High Load Capacity
- High Wear Resistance
- High Resistance to Fatigue

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm² - Zinc Aluminum Alloy

Option:

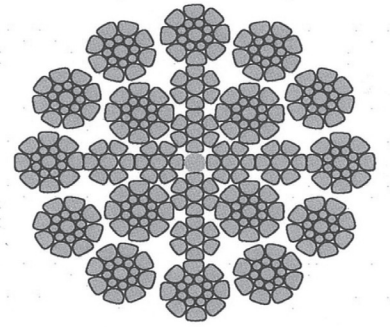
Plastic Encased Core



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
19	3/4	1.70	1.15	314	70,600
20		1.89	1.27	348	78,200
22		2.28	1.54	421	94,700
	7/8	2.33	1.57	430	96,600
24		2.72	1.83	501	113,000
25		2.95	1.98	544	122,000
	1	3.05	2.05	561	126,000
26		3.19	2.14	588	132,000
28		3.70	2.49	682	153,000
	1-1/8	3.85	2.59	710	160,000
30		4.25	2.85	783	176,000
	1-1/4	4.76	3.20	877	197,000
32		4.83	3.25	891	200,000
34		5.46	3.67	1010	226,000
35	1-3/8	5.76	3.87	1060	239,000
36		6.12	4.11	1130	253,000
38	1-1/2	6.82	4.58	1260	282,000
40		7.55	5.07	1390	313,000
41	1-5/8	8.04	5.40	1480	333,000
42		8.33	5.60	1530	345,000
44		9.14	6.14	1680	379,000
	1-3/4	9.33	6.27	1720	386,000
46		9.99	6.71	1840	414,000
48	1-7/8	10.9	7.31	2000	451,000
50		11.8	7.93	2180	489,000
	2	12.2	8.19	2250	505,000
52		12.8	8.58	2350	529,000
54	2-1/8	13.8	9.30	2540	570,000
56		14.8	9.95	2730	613,000
58	2-1/4	15.9	10.7	2930	658,000
60	2-3/8	17.2	11.5	3170	712,000
64	2-1/2	19.3	13.0	3560	801,000
65		19.9	13.4	3680	826,000

Minimum Breaking Strengths shown are for 1960 Grade.



CONSTRUCTION 24x17 HOIST, SINKING, OR BALANCE ROPE

Features:

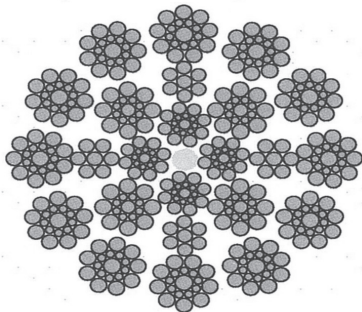
- For Use on Drum or Blair Hoists
- For Use on Friction Hoist (up to 35mm)
- Use as Sinking Rope
- Use as Balance Rope when Not Compacted
- Rotation Resistant
- High Breaking Strength
- Very High Resistance to Fatigue

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm² - Zinc Aluminum Alloy

Option:

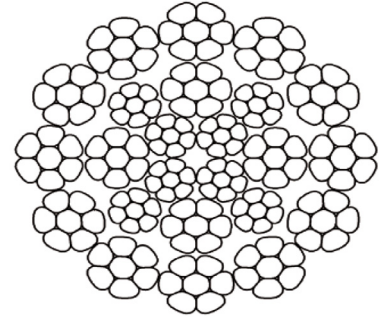
Non-compacted Balance Rope



NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
30		4.32	2.90	767	172,000
32	1-1/4	4.91	3.30	872	196,000
34		5.55	3.73	984	221,000
36	1-1/2	6.22	4.18	1104	248,000
38		6.94	4.66	1230	276,000
40		7.69	5.17	1364	306,000
42	1-5/8	8.49	5.70	1506	338,000
44		9.33	6.27	1654	371,000
46		10.21	6.86	1810	406,000
48	1-7/8	11.13	7.48	1974	443,000
50		12.09	8.13	2145	482,000
52		13.10	8.80	2323	522,000
54	2-1/8	14.16	9.51	2510	564,000
56		15.25	10.25	2704	607,000
58		16.39	11.01	2906	653,000
60		17.58	11.81	3116	700,000
62		18.81	12.64	3334	749,000
64	2-1/2	20.08	13.50	3560	800,000
66		21.41	14.38	3794	852,000
68		22.77	15.30	4036	907,000
70	2-3/4	24.19	16.25	4287	963,000

Minimum Breaking Strengths shown are for 1960 Grade.

For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.



COMPACTED 24x7 HOIST ROPE

Features:

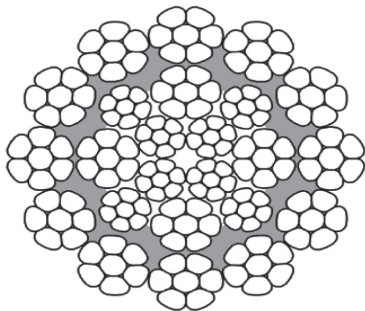
- For Use on Friction, Drum, or Blair Hoist
- Rotation Resistant
- 24x7 Construction
- Compacted Inner and Outer strands
- Good Rotational Stability
- Good Radial Stiffness
- Good Resistance to Corrosion

Grade Options Wire Finishes

- 1770 N/mm² - Bright
- 1960 N/mm² - Galvanized
- 2160 N/mm² - Zinc Aluminum Alloy

Option:

Plastic Encased Core



For other diameters, weights, or strength requirements, please contact us. Other designs available upon request.

NOMINAL DIAMETER		NOMINAL WEIGHT		MINIMUM BREAKING STRENGTH	
mm	in	kg/m	lb/ft	Force (kN)	Load (lbs)
19	3/4	1.70	1.14	305	68,600
20		1.88	1.27	338	76,000
22		2.28	1.53	409	91,900
	7/8	2.33	1.56	417	93,800
24		2.71	1.82	487	109,000
25		2.94	1.98	528	119,000
	1	3.04	2.04	545	123,000
26		3.18	2.14	571	128,000
28		3.69	2.48	662	149,000
	1-1/8	3.85	2.58	690	155,000
30		4.24	2.85	761	171,000
	1-1/4	4.75	3.19	852	191,000
32		4.82	3.24	865	195,000
34		5.44	3.66	977	220,000
35	1-3/8	5.75	3.86	1030	232,000
36		6.10	4.10	1100	246,000
38	1-1/2	6.80	4.57	1220	274,000
40		7.54	5.06	1350	304,000
41	1-5/8	8.02	5.39	1440	324,000
42		8.31	5.58	1490	335,000
44		9.12	6.13	1640	368,000
	1-3/4	9.31	6.25	1670	375,000
46		9.97	6.70	1790	402,000
48	1-7/8	10.9	7.29	1950	438,000
50		11.8	7.91	2110	475,000
	2	12.2	8.17	2180	490,000

Minimum Breaking Strengths shown are for 1960 Grade.