



Agricultural Mfg. & Textiles, Inc.  
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## General Cable Guidelines

The poultry industry continues to put greater pressure on winching systems due to larger and larger houses. We cannot continue to use the same products we have used for 50 years. We already hear reports of cables and straps breaking and winches failing due to overload.

**BREAKING STRENGTHS:** Breaking Strengths apply only to new, unused cable.

**WORKING LOAD LIMIT:** Cable is designed for a working load limit (WLL) of 20% of the break strength. Never exceed the working load limit on any winching system. Please consult the tables below for more information.

Wire Ropes and Cables must be stored, used, lubricated and maintained in accordance with normal safety standards, and must be properly designed, maintained, and operated. Inspect regularly. Do not kink, knot or crush.

**INSPECTION:** No product can operate indefinitely at its rated capacity. Wire Rope and Cable must be inspected regularly for any deterioration, which may result in the loss of original strength. User must determine whether further use of the cable would constitute a safety hazard to life or property. Lubricate operating ropes regularly. Keep out from under any raised loads and keep out of the line of force of any load.

### AVOID SHOCK LOADS

**AMT GALVANIZED & PRIME CABLE SPECIFICATIONS**

Diameter in Inches	Construction	MIN Break Strength/Lbs.	MAX Working Load/Lbs.
1/16	7 x 7	480	100
3/32	7 x 7	920	180
1/8	7 x 7	1,700	340
1/8	7 x 19	2,000	400
5/32	7 x 7	2,600	520
5/32	7 x 19	2,800	560
3/16	7 x 7	3,700	740
3/16	7 x 19	4,200	840
7/32	7 x 19	5,600	1,120
1/4	7 x 19	7,000	1,400

**AMT STAINLESS STEEL CABLE SPECIFICATIONS**

Diameter in Inches	Construction	MIN Break Strength/Lbs.	MAX Working Load/Lbs.
1/16	7 x 7	480	100
3/32	7 x 7	920	180
1/8	7 x 7	1,700	340
1/8	7 x 19	1,760	350
5/32	7 x 7	2,600	520
5/32	7 x 19	2,400	480
3/16	7 x 7	3,700	740
3/16	7 x 19	3,700	740
7/32	7 x 19	5,000	1,000
1/4	7 x 19	6,400	1,280



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## Winch Recommendations

The AMT 5000 lb. winch is designed to pull 2 lines in opposite directions simultaneously. **Never pull in just one direction with this winch. AMT offers no warranty for winching systems pulling in only one direction using the AMT 5000 lb. winch.**

### RECOMMENDED NUMBER OF WINCHES:

- **1 AMT 5000 lb. winch** on all feed lines of 500' or less
- **2 AMT 5000 lb. winches** on all feed lines longer than 500' placed at the 1/4 and 3/4 section of the house.
- **3 AMT 5000 lb. winches** on each line of nest 500' or less
- **4 AMT 5000 lb. winches** on each line of nest 600' in length

Winches are rated based on the first wrap of cable or strap around the drum. Each additional wrap reduces the capacity from 5%-10%.

If using straps, make sure they are aligned with the suspension rod and the winch drum. They will be damaged if rubbing on either side of the drum. **We offer no warranty for straps that rub on the sides of the drum due to misalignment.**

When using a double back we recommend AMT Prime Cable-3/16" 7 x 19.

It is the customer's responsibility to be sure the winches, cables, straps, pulleys, rods, cords and all other parts of the winching system are properly sized for the load being raised.

Operators should be cautioned against standing under the raised equipment especially when using the winches.