

# ATM FLY-WARE®

21000 S. Wilmington Avenue  
Carson, CA 90810 USA  
Toll Free 888.RIG.MORE

- Special Points of Interest:
- Rigging Component Strength
  - Powder Coat Process
  - Standards Watch



Tel 310.834.5914  
Fax 310.834-3042  
www.atmflyware.com

June 2003



ATM FLY-WARE A DIVISION OF ATM GROUP, Inc.

## Fly Paper

### Just How Strong Are These Things?

The chart below is a general guide for approximated vertical pull working load limits for the common hardware types. This chart is not representative of all hardware manufactured or all load orientations: please check the WLL data from the product manufacturer or on the part itself.

	1/4" 650 Lbs 295 kg	3/8" 1550 Lbs 700 kg	M10 1550 Lbs 700 kg	1/2" 2600 Lbs 1180 kg
	1/4" 350 Lbs 160 kg	3/8" 800 Lbs 360 kg	M10 800 Lbs 360 kg	1/2" 1250 Lbs 570 kg
	1/4" 750 Lbs 340 kg	5/16" 1700 Lbs 770 kg	3/8" 1760 Lbs 800 kg	1/2" 4400 Lbs 2000 kg
	1/4" 1000 Lbs 454 kg	3/8" 2000 Lbs 908 kg	1/2" 4000 Lbs 1815 kg	5/8" 6500 Lbs 2950 kg
	1/4" 500 Lbs/227 kg	3/8" 1200 Lbs/544 kg	1/2" 2200 Lbs/998 kg	5/8" 3500Lbs/1588kg
	1/8 7x19GAC 400 Lbs/180 kg	1/4 7x19GAC 1400 Lbs/635 kg	3/8 7x19GAC 2880Lbs/1305kg	1/2 6x19IWRC 4560Lbs/2070kg
	1/8" 400 Lbs 180 kg	1/4" 1400 Lbs 635 kg	3/8" 2880 Lbs 1305 kg	1/2" 4560 Lbs 2070 kg
	1/8" 320 Lbs 145 kg	1/4" 1120 Lbs 508 kg	3/8" 2300 Lbs 1040 kg	1/2" 3650 Lbs 1655 kg
	EN30 2600 Lbs 1180 kg	EN60 5300 Lbs 2404 kg	EN90 8400 Lbs 3810 kg	EN120 10600 Lbs 4808 kg

#### Standards Watch

BSR E1.8 Entertainment Technology-Loudspeaker Enclosures Intended for Overhead Suspension-Classification, Manufacture and Structural Testing; comments are answered and submitted for committee approval. Look for further developments soon!  
www.esta.org

#### Powder Coat Improvements

We have purchased a complete powder coat processing system scheduled to be online by early August. Powder coat is our preferred coating due to its adhesion strength, impact resistance and elasticity. Applied as an electro statically charged powder and then baked on at several hundred degrees; powder coating is also environmentally friendly due to new parts cleaning technology and our 100% powder reclaiming spray booth.

#### Sound & Video Rigging Systems