



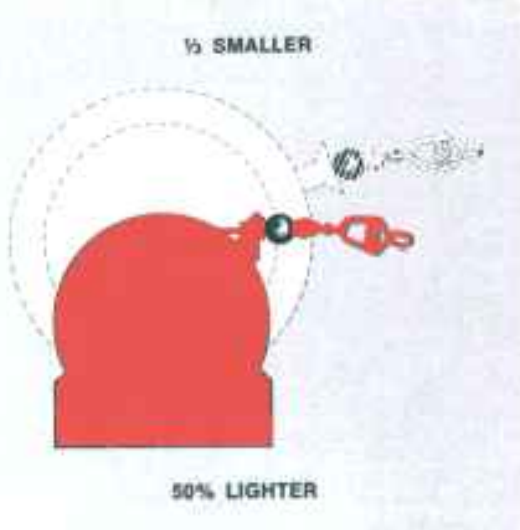
GAMMON TECHNICAL PRODUCTS, INC.  
P.O. BOX 400 - 2300 HWY 34  
MANASQUAN, N.J. 08736

PHONE 732-223-4600  
FAX 732-223-5778  
EMAIL [gammontech@gammontech.com](mailto:gammontech@gammontech.com)

AMETEK HUNTER  
SPRING STATIC  
BONDING REEL  
  
BULLETIN 54  
(9-00)

- **AUTOMATIC SPEED CONTROL**  
Absolutely no whipping. Retracts at constant speed.
- **OVER-RUN CONTROL**  
No tangles from drum inertia.
- **TOTALLY ENCLOSED SPRING**

The Ametek Static Discharge and Bonding Reels provide for the retraction and compact storage of 50, 75 and 100 foot cable and clamp assemblies. These reels are used to bond the aircraft to the refueling truck and/or to ground both during aircraft refueling; also applicable for truck and tank car loading and unloading or other applications where static electricity could cause a spark and subsequent explosion. The 50 and 75 foot cable length models meet USAF MIL-R-83325 and U.S. Government specification A-A-50696 which replaces MIL-R-83232 which spell out that the reel must be functional under very severe environmental conditions.



A decided advantage of the Ametek Static Discharge Reel is that it is much more convenient to handle because it weighs only one-half as much as most competitive units meeting the above mentioned MIL Specification. Since it is also one-third smaller in overall size, the reel is easier to locate and mount on the vehicle.

A patented automatic latching mechanism holds cable at any desired length. Release and retraction is performed by a slight pull on the cable. Retraction need not be attended since speed is automatically governed by a special brake assembly which limits travel speed to within two to seven feet/second. This unique feature is not a requirement of A-A-50696, making the Ametek reel superior to all others on the market today.

Sturdy steel components and a cantilever type frame supporting the reel assembly, provide a rigid and durable unit which will function under the most adverse conditions. Baked on MIL-spec red finish and gasketed drum construction protect operating parts from corrosion. A minimum of maintenance is required. Bearing surfaces are permanently lubricated.

NOTE: Bonding during fuel handling operations prevents external electrical discharge in the presence of fuel vapor. It does not remove bulk charges from the fuel and cannot prevent internal explosions. This hazard can only be prevented by increasing the conductivity of the fuel so that positive and negative static charges can be recombined.

**SPECIFICATIONS:**

**CABLE:** 7 x 7 Galvanized Steel; 3/32" clear plastic coated to 1/8" dia. is standard; 3/16" coated diameter, colors and stainless steel available. See Bulletin 98.

**CABLE CLAMP:** Standard: 100 amp copper, 3 3/4" length, 1.06" opening, model GTP-1096 C. See Bulletin 55 for other options including military specification plugs per MIL-C-83413/4A.

**RESISTANCE:** 10 OHMS Max. between Clamp and Mounting Base on all Models.

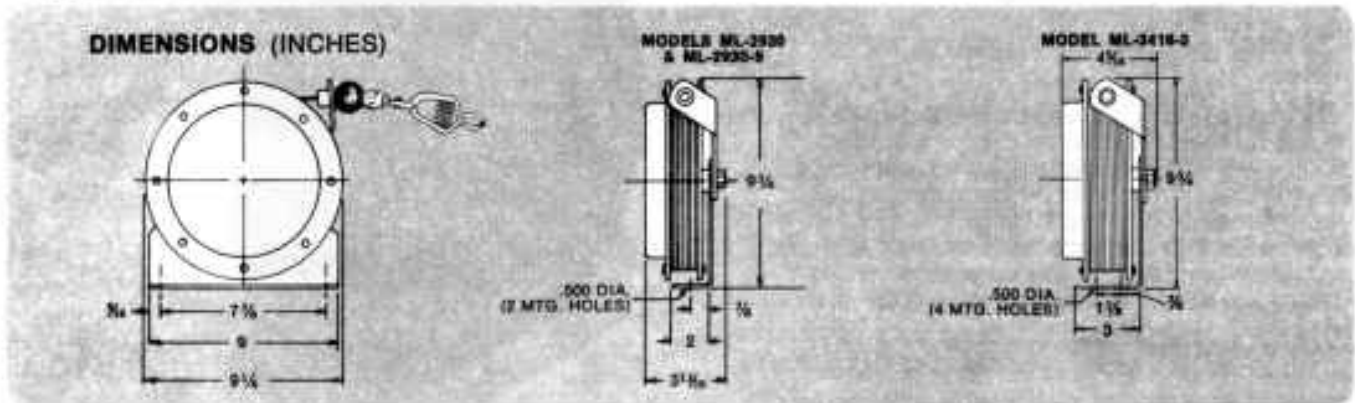
**LIFE TEST:** 5000 Cycles

**RETRACTION SPEED:** 2-7 Feet/Sec.

**FINISH:** Conforms to MIL-STD 808, Red Paint, Film Designation DG.

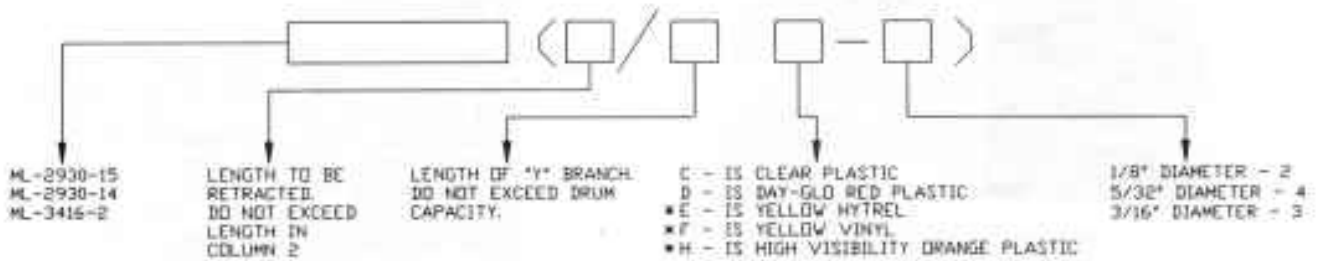
**OPERATING TEMP.:** -65°F to + 125°F

**STORAGE TEMP.:** -80°F to + 160°F



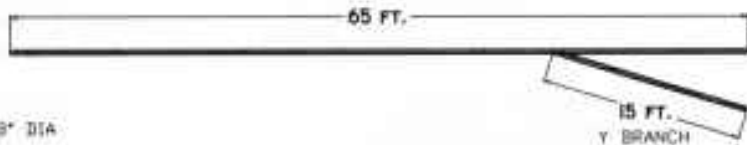
MODEL No. WITH OUT CABLE	MODEL No. WITH CABLE	STANDARD CABLE LENGTH (MAX)	NET WEIGHT STANDARD MODEL	DRUM CAPACITY INCLUDING "Y'S	
				1/8" DIA.	3/16" & 5/32" DIA.
ML-2930-150	ML-2930-15	50 ft.	14.5 lbs.	100 ft.	70 ft.
ML-2930-140	ML-2930-14	75 ft.	20 lbs.	100 ft.	70 ft.
ML-3416-20	ML-3416-2	100 ft.	23 lbs.	120 ft.	75 ft.

TO SPECIFY A REEL, USE THIS NUMBER SEQUENCE:



EXAMPLE:

ML-2930-14 ( 65/150-2 )  
PLASTIC IS DAY-GLO RED  
DIAMETER IS 1/8"



- OPTION C IS AVAILABLE IN 3/16" DIA AND 1/8" DIA
- OPTION D IS AVAILABLE IN 3/16" DIA
- OPTION E IS AVAILABLE ONLY IN 5/32" DIA.
- OPTION F IS AVAILABLE ONLY IN 1/8" DIA.
- OPTION H IS AVAILABLE IN 3/16" DIA AND 1/8" DIA

Manufactured by Ametek Hunter Spring Division for world-wide distribution exclusively by Gammon.

**Gammon Technical Products Inc.**

2300 Highway 34, P.O. Box 400

Manasquan, N.J. 08736

Phone: (732) 223-4600

Fax: (732) 223-5778