

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Committee

TECHNICAL BULLETIN - AUGUST 2003

263. Bungee / Trampoline Devices

There is a growing number of bungee / trampoline devices in use, several (albeit fairly minor) accidents have occurred, and various technical issues have arisen.

We have recently been told that several ring bolts screwed into tapped holes in aluminium main masts have pulled out the tapped thread (i.e. shear tearout), fortunately with no serious consequences. The manufacturer has since supplied ring nuts with separate bolts to replace the original ring bolts.

A list of issues, not necessarily exhaustive, which may need consideration is as follows :-

- tapped holes in aluminium;
- fatigue life (e.g. of the masts);
- bungee cord (type, inspection, replacement policy);
- wire ropes (rope / pulley diameter ratios, inspection, replacement policy);
- climbing ropes (selection, plus similar issues to wire rope);
- electrolytic corrosion (aluminium used with other metals).

Committee Members :- Dr Garry Fawcett (Chairman), Mr Richard Barnes, Mr Peter Smith, Mr Ian Grant,
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