

Introductions

NFPA standards – safety factors, the truth behind the standards and what they really mean  
Why should the fire service ignore NFPA 1983?

Discuss testing rescue equipment and how the results are interpreted

Carabiner rollout and hard linking of equipment  
Peter Popall rack and carabiner levering, video of testing

Screw links, carabiners – why we use what we use

PMI Big A Hook and 3 way loading

Breaking strength of rope – core bundles

Shooting rope, cutting rope – data and video

Forces created in rope systems, what every rigger should know

How strong is strong – miscellaneous testing and how to use it

Fall factor testing and the myths that surround fall factors

R-N-R anchor straps tested in different configurations

8mm girth hitch testing, can prusiks be used to connect to a victim?

Never step on a rope presentation

Prusik guard, a simple solution

Webbing testing – girth hitch  
wrap 3 pull 2, the built in safety factor nobody realizes  
what do cuts in webbing mean?  
once a piece of webbing fails can it be reused?

Bottom belay testing, the facts revealed

Do ultra violet rays deteriorate nylon? Some surprising results