### **General Reference Guide for Fall Protection Items**



# **Rope Edge Protector**

Protects rope from damage while rubbing on the edge of a Structure. May be as simple as a piece of cloth or rubber. Or could be a mechanical means as shown



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Toggle Anchor - Reusable in concrete or steel; multi-directional

Swivel - Concrete or Steel option; multi-directional; optional backplate

**D-Plate** - Permanent mount in steel beams or columns;

# **Anchorage Connectors**



Carabineers - Aluminum or Steel; do not connect to other hook openings

Straps - Web, Chain, Wire - loops around "sturdy" equipment

# A Campa

#### Lanyards



#### **Several Options**

Material = Web, Chain, Wire (galv & stainless steel)
 Design = Fixed Length, Adjustable Length, Twin Leg, Retractable
 Positioning = Usually does not have "shock-absorber", connects to harness' side or chest D-Ring

**Fall Protection** = Must have shock-absorber, connects to harnesses back D-Ring



**Harnesses** - NFPA has different regulations from OSHA. However, a full-body harness is Type III. Requires qualified connection to anchor point. **D-Ring Locations**:

Back - Entry, Retrieval, Fall Protection

Chest - Rescue and Positioning (not fall protection nor retrieval)

**Side** - Positioning (not fall protection nor retrieval)

**Buckle** - Snap, Tongue (common on legs), Friction, Quick-Connect **Material** - Polyester, Nylon, Fire-resistant, Spark-resistant



#### **Bos N Chairs**

Seat used to increase comfort while suspended. May have a spreader bar above workers head



# **Rope Grab Lanyard**

Energy-absorbing connection from harness to lifeline (wire or rope).

Manual - worker holds grab open

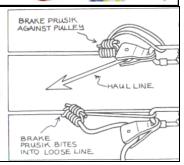
Trailing - travels freely until activated



# **Prusik Rope Systems**

**Prusik-Minding-Pulley** is common in rope rescue. The rope to be pulled is passed through a pulley, and a Prusik is tied on the loaded side. When the rope is pulled, the Prusik rides against the pulley, and the rope slides through it; but when the rope is relaxed, the Prusik slides away from the pulley and grabs the rope. Thus, the combination acts as a ratchet.





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