

Results of the workgroup

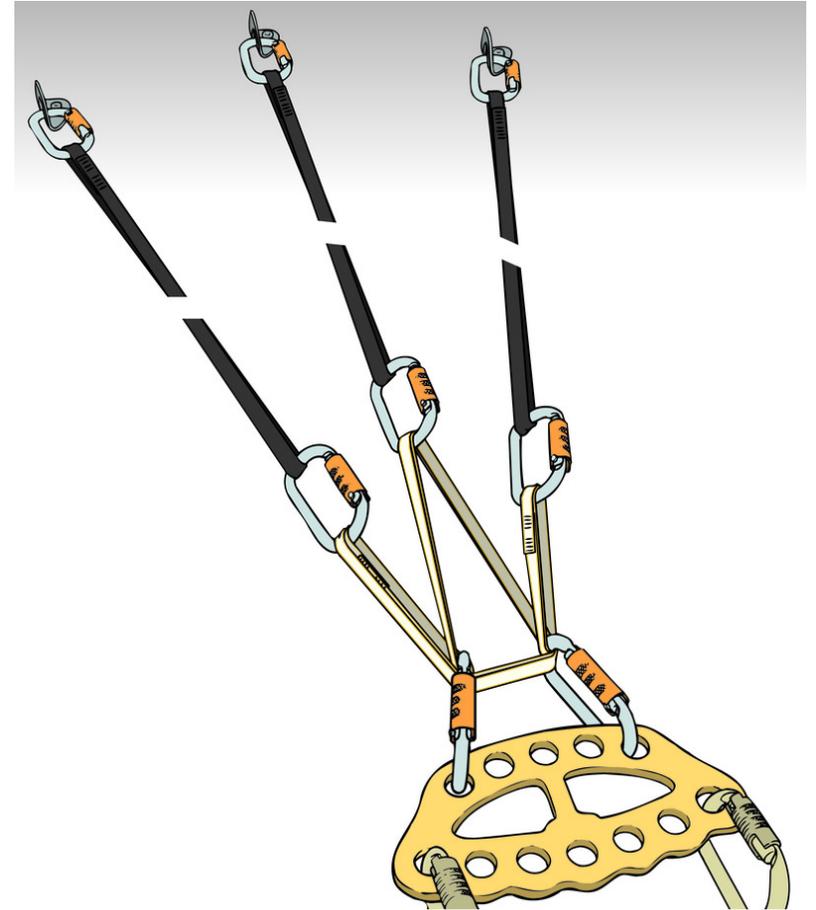
Anchor systems

1. Redundancy

- If an anchor-point breaks out, there should be redundancy
- At least 3 anchor-points for a rescue mission
 - Exceptions: Solid anchor point like a big tree or rock

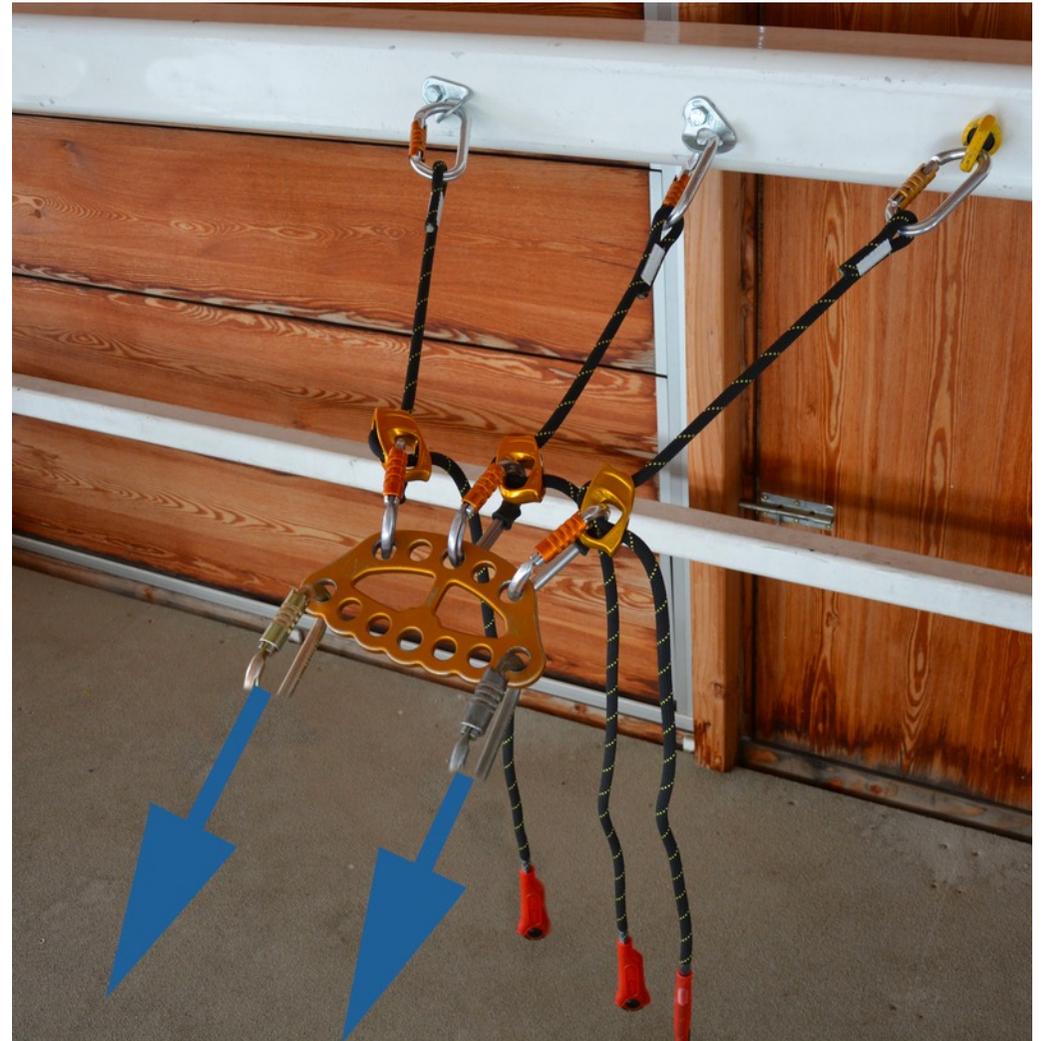
2. Force Distribution

- With triangles in an angle from 60° to max. 90°
- If using a force triangle keep the additional force entry as low as possible if an anchor point breaks out



2. Force Distribution

- If using a bound force triangle it will be good if the connection to the anchor points are adjustable.



3. Equipment for an anchor system

- Minimum requirement 22 kN
- Use Locking Carabiners
- Bolts:
 - At least 30 cm distance between each other
 - Expansion bolts diameter ≥ 10 mm
 - Removable bolts diameter ≥ 12 mm
- For extension of slings and ropes \rightarrow only use lockable metallic connectors
- For shortening of slings and ropes \rightarrow use them in double or triple way, don't use knots