

EQUIPMENT INSPECTION CHECKLIST

The advice given by the manufacturer should be strictly followed. Additional general advice is given below. See also free download 'Easy Inspect' on PPE inspection: <http://www.petzl.com/en/ppe>

Component	Inspection procedure
<p>All textile equipment:</p>	<p>General checking procedure for all textile equipment</p> <ul style="list-style-type: none"> <input type="checkbox"/> Have you read the information supplied by the manufacturer? <input type="checkbox"/> Is the product within the manufacturer's recommended lifespan? <p>Visual: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Excessive wear to any part <input type="checkbox"/> Abrasion, particularly to load-bearing parts. <input type="checkbox"/> Furry webbing or rope indicates abrasion. <input type="checkbox"/> Stitching: cut, broken or abraded <input type="checkbox"/> Cuts, particularly to load-bearing parts. <input type="checkbox"/> Dirty webbing or rope accelerates abrasion, both externally and internally. <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Damage by chemicals. Powdery surface <input type="checkbox"/> and /or discolouring <input type="checkbox"/> and /or hardened area <input type="checkbox"/> often signify chemical contamination. <input type="checkbox"/> Damage by heat, e.g. glazed areas. <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Product beyond recommended lifespan: remove from service <input type="checkbox"/> Excessive wear to any part: remove from service <input type="checkbox"/> Abrasion: A small amount is permissible. Remove from service if excessive. <input type="checkbox"/> Cuts: remove from service. <input type="checkbox"/> Dirty: Clean according to manufacturer's instructions <input type="checkbox"/> Chemical contamination: remove from service <input type="checkbox"/> Heat damage: remove from service <input type="checkbox"/> Stitching: cut, broken or abraded: remove from service <p>If in doubt on any point, remove from service</p>
<p>Working ropes and safety ropes</p>	<p>In addition to the points covered in <i>General checking procedure for all textile equipment</i> also check :</p> <p>Visual: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ends of rope for excessive wear. <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Internal damage. On cable laid ropes, open up the lay and inspect as above. On kernmantel ropes, feel for unusually soft or hard areas, on sheath and core. This signifies damage. Particularly check ends of rope <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Excessive internal grit: Clean according to manufacturer's instructions. If it is not possible to remove the grit, inspect the rope for damage by abrasion more frequently than normal. <input type="checkbox"/> Unusually soft or hard areas: remove from service. Sometimes, the damage is only local, so damaged areas can be cut out. <p>If in doubt on any point, remove from service</p>

<p>Harnesses</p>	<p>In addition to the points covered in general checking procedure for all textile equipment also check :</p> <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> <u>Inside and outside</u> any textile attachment point loops for all the points covered under general checking procedure. <input type="checkbox"/> Fastening and adjustment buckles, other safety critical metal or plastics components: for <input type="checkbox"/> correct assembly, <input type="checkbox"/> correct functioning <input type="checkbox"/> excessive wear <input type="checkbox"/> corrosion, <input type="checkbox"/> cracks, or <input type="checkbox"/> other damage; <input type="checkbox"/> Other safety critical metal or plastic components: <input type="checkbox"/> correct functioning <input type="checkbox"/> corrosion, <input type="checkbox"/> cracks <input type="checkbox"/> or <input type="checkbox"/> other damage <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Textile attachment point loops: treat as in general checking procedure. <input type="checkbox"/> Fastening and adjustment buckles, other safety critical metal or plastic components: <ul style="list-style-type: none"> <input type="checkbox"/> Excessive wear: remove from service <input type="checkbox"/> Corrosion: remove from service <input type="checkbox"/> Cracks: remove from service <input type="checkbox"/> Other damage: remove from service <input type="checkbox"/> Incorrect functioning: remove from service <p>If in doubt on any point, remove from service</p>
<p>Cow's tails, lanyards slings</p>	<p>In addition to the points covered in <i>General checking procedure for all textile equipment</i> also check :</p> <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> <u>Inside and outside</u> any attachment point loops for all the points covered under general checking procedure. <input type="checkbox"/> All knots for security. <input type="checkbox"/> That knot overlaps are sufficient. <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Attachment point loops: treat as in general checking procedure. <input type="checkbox"/> Knots: if in doubt, remove from service. Knots can be retied by a competent person. Tension knot with body weight and ensure that there is sufficient overlap (min 100 mm). If the knots in a cow's tail appear to be very tight, either retie the knots or replace the cow's tail. <p>If in doubt on any point, remove from service</p>
<p>Metal components</p>	
<p>Descenders</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Have you read the information supplied by the manufacturer? <p>Visual: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Wear, particularly on friction surfaces <input type="checkbox"/> Deformation <input type="checkbox"/> Cuts <input type="checkbox"/> Cracks <input type="checkbox"/> Heavy marking or scoring, <input type="checkbox"/> Burring, <input type="checkbox"/> Corrosion, <input type="checkbox"/> Contamination by chemicals e.g. pitting, flaking of aluminium products (usually

	<p>due to salt water),</p> <ul style="list-style-type: none"> <input type="checkbox"/> Build up of foreign matter, e.g. grit, grease, paint. <p>Visual and tactile:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Moving parts function correctly, e.g. handle, locking devices <input type="checkbox"/> Threaded assemblies are fully tightened and correctly secured <input type="checkbox"/> No deformation of any parts, e.g. handle. <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove any foreign matter <input type="checkbox"/> Some wear is permissible: refer to manufacturer's information <input type="checkbox"/> Deformation: remove from service <input type="checkbox"/> Cuts, heavy burring, marking or scoring: remove from service <input type="checkbox"/> Cracks: remove from service <input type="checkbox"/> Contamination by chemicals: remove from service <input type="checkbox"/> Incorrect functioning: remove from service. <input type="checkbox"/> Threaded assemblies not properly tightened: remove from service <p>If in doubt on any point, remove from service</p>
<p>Ascenders / Back-up devices</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Have you read the information supplied by the manufacturer? <p>Visual: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Wear, particularly on cam teeth or face, rope channel <input type="checkbox"/> Hinge pin is in good condition <input type="checkbox"/> Deformation, <input type="checkbox"/> Cuts, <input type="checkbox"/> Cracks <input type="checkbox"/> Heavy marking or scoring, <input type="checkbox"/> Burring, <input type="checkbox"/> Corrosion, <input type="checkbox"/> Contamination by chemicals e.g. pitting, flaking of aluminium products (usually due to salt water), <input type="checkbox"/> Build up of foreign matter, e.g. grit, grease, paint. <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Moving parts function correctly, e.g. cam, springs, locking catch. <input type="checkbox"/> Threaded assemblies are fully tightened and correctly secured <input type="checkbox"/> No deformation of any parts <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove any foreign matter <input type="checkbox"/> Some wear is permissible: refer to manufacturer's information <input type="checkbox"/> Moving parts: if any do not function correctly, remove from service <input type="checkbox"/> Hinge pin not in good condition: remove from service <input type="checkbox"/> Deformation: remove from service <input type="checkbox"/> Cuts, heavy burring, marking or scoring: remove from service <input type="checkbox"/> Cracks: remove from service <input type="checkbox"/> Contamination by chemicals: remove from service <input type="checkbox"/> Incorrect functioning: remove from service. <input type="checkbox"/> Threaded assemblies not properly tightened: remove from service <p>If in doubt on any point, remove from service</p>

<p>Connectors</p>	<p><input type="checkbox"/> Have you read the information supplied by the manufacturer?</p> <p>Visual: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Wear, particularly where the rope or webbing normally lies <input type="checkbox"/> Deformation, <input type="checkbox"/> Cuts, <input type="checkbox"/> Cracks <input type="checkbox"/> Heavy marking or scoring, <input type="checkbox"/> Burring, <input type="checkbox"/> Corrosion, <input type="checkbox"/> Contamination by chemicals e.g. pitting, flaking of aluminium products (usually due to salt water), <input type="checkbox"/> Build up of foreign matter, e.g. grit, grease, paint. <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Moving parts function correctly, e.g. keeper locates in body correctly, spring returns keeper correctly, keeper locking mechanism operates correctly (screw gate, twist-lock), any threaded parts run correctly <input type="checkbox"/> Hinge pin is in good condition <input type="checkbox"/> Catch pin is not bent <input type="checkbox"/> No deformation of any parts <p>Action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove any foreign matter <input type="checkbox"/> Some wear is permissible: refer to manufacturer's information <input type="checkbox"/> Moving parts: if any do not function correctly, remove from service <input type="checkbox"/> Hinge pin not in good condition: remove from service <input type="checkbox"/> Catch pin bent: remove from service <input type="checkbox"/> Deformation: remove from service <input type="checkbox"/> Cuts, heavy burring, marking or scoring: remove from service <input type="checkbox"/> Cracks: remove from service <input type="checkbox"/> Contamination by chemicals: remove from service <input type="checkbox"/> Incorrect functioning: remove from service. <input type="checkbox"/> Threaded assemblies not properly tightened: remove from service <p>If in doubt on any point, remove from service</p>
<p>Helmets</p>	<p><input type="checkbox"/> Have you read the information supplied by the manufacturer?</p> <p><input type="checkbox"/> Is the product within the manufacturer's recommended lifespan?</p> <p>Visual and tactile: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Absence of cracks, deformation or other damage to the shell <input type="checkbox"/> Damage to the harness assembly <input type="checkbox"/> Excessive wear to any part <input type="checkbox"/> Chin strap adjusts easily <p>Action: Check for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Product beyond recommended lifespan: remove from service <input type="checkbox"/> Any cracks, deformation or other damage, including scoring or cuts to the shell: remove from service <input type="checkbox"/> Damage to the harness assembly: remove from service <input type="checkbox"/> No chin strap or will not adjust easily: remove from service <p>If in doubt on any point, remove from service</p>