

Equipment Inspection Guidelines

This checklist is intended to be used in conjunction with manufacturer specifications and presiding regulatory authority requirements to assist in ensuring equipment suitability and serviceability.



<https://sprat.org/publications>

General Inspection Considerations

<input type="checkbox"/>	Size or Capacity	<i>Suitability of equipment for user or forces that can be applied during use.</i>
<input type="checkbox"/>	Age	<i>Equipment within lifespan as specified by manufacturer.</i>
<input type="checkbox"/>	Storage	<i>Equipment stored in clean, dry, temperate area protected from UV exposure or other hazards.</i>
<input type="checkbox"/>	Maintenance	<i>Equipment upkeep performed to ensure usability.</i>
<input type="checkbox"/>	History	<i>Records of equipment use, inspection, or any required load or proof testing.</i>

General Indications of Potential Damage

<input type="checkbox"/>	Visual indicators	<i>Features to indicate potential damage or need to remove equipment from service.</i>
<input type="checkbox"/>	Missing or incorrect parts	<i>Absent components from manufacturing defect, modification, or damage.</i>
<input type="checkbox"/>	Missing or illegible markings	<i>Worn or absent manufacturer information or tags.</i>
<input type="checkbox"/>	Alteration	<i>Indication of unauthorized modification to equipment.</i>

Indications of Potential Damage to Hardware

<input type="checkbox"/>	Burring	<i>Rough edges caused during manufacturing or repeated loading.</i>
<input type="checkbox"/>	Cracks	<i>Material separation from excessive loading or corrosion.</i>
<input type="checkbox"/>	Corrosion	<i>Oxidation of material from environmental or chemical exposure.</i>
<input type="checkbox"/>	Deformation	<i>Bending, warping, or misalignment of components from inappropriate loading or impact.</i>
<input type="checkbox"/>	Erosion or sharp edges	<i>Loss of material from frictional contact with environment, tools, or other equipment.</i>
<input type="checkbox"/>	Gouges	<i>Dents or loss of material from impact with environment, tools, or other equipment.</i>
<input type="checkbox"/>	Stress marks	<i>Indications of excessive or inappropriate loading.</i>

Indications of Potential Damage to Textiles and Plastics

<input type="checkbox"/>	Abrasion	<i>Wear of material from frictional contact with environment, tools, or equipment.</i>
<input type="checkbox"/>	Brittleness	<i>Flaking or breaking of material from aging, UV damage, or chemical exposure.</i>
<input type="checkbox"/>	Burns	<i>Marks or holes from exposure to excessive heat.</i>
<input type="checkbox"/>	Cuts	<i>Separation of material from contact with environment, tools, or equipment.</i>
<input type="checkbox"/>	Elongation	<i>Stretch of material beyond manufacturer design from excessive loading.</i>
<input type="checkbox"/>	Fading	<i>Loss of coloring from UV damage or chemical exposure.</i>
<input type="checkbox"/>	Fraying	<i>Unraveling at material edges from contact with environment, tools, or equipment.</i>
<input type="checkbox"/>	Glazing	<i>Superficial melting from frictional contact with environment, tools, or equipment.</i>
<input type="checkbox"/>	Mildew	<i>Presence of mold from extended exposure to moisture.</i>
<input type="checkbox"/>	Rigidity	<i>Loss of pliability from aging, UV damage, or chemical exposure.</i>
<input type="checkbox"/>	Soiling	<i>Dirt or contamination that can affect functionality.</i>
<input type="checkbox"/>	Stitching damage	<i>Abrasion, cuts, tears, or shifting of stitching from environment, tools, equipment, or excessive loading.</i>

Inspection Considerations for Function

<input type="checkbox"/>	Fasteners and moving parts	<i>Integrity of fasteners, ease of movement of springs, latches, levers, plates, etc.</i>
<input type="checkbox"/>	Harness connection	<i>Harness attachment appropriate for application.</i>
<input type="checkbox"/>	Component compatibility	<i>Anchorage, equipment, and other system components suitable for application.</i>
<input type="checkbox"/>	Component orientation	<i>Equipment assembled and configured correctly for application.</i>
<input type="checkbox"/>	Function test	<i>Test of equipment and system, protected by other system when necessary.</i>