

Risks to be mitigated



13. Manual handling	
Objective	The objective is to minimise the risk of injury due to manual handling of parts and accessories, to ALARP, including consideration in design for foreseeable human error.
General outcome	<p>The intended design outcome should eliminate exposure to injury risk</p> <p>Where elimination cannot be achieved, the intended design outcome should include tools that minimise exposure to injury risks by</p> <ul style="list-style-type: none"> • Minimising exposure to the task • Minimising the mass to be moved • Improving accessibility to parts and accessories • Minimising exertion required to access parts and accessories • Minimising unnecessary repetition <p>A system or process for knowledge transfer about the effective and efficient use of (OEM) tools</p>
Risks to be mitigated	<ol style="list-style-type: none"> 1. Risk of injury due to overexertion such as carrying, lifting, pushing or pulling 2. Risk of injury due to being caught between unsecured load and equipment during mechanical lift 3. Risk of injury due to falling material due to inadequate rigging tools and/or practices 4. Risk of injury due to overexertion, awkward postures and slips while attempting to manually handle a heavy part not provided with a means to mechanically handle. 5. Risk of injury due to inappropriate access 6. Risk of injury due to inappropriate tools
Examples of industry attempts to mitigate risks	<ol style="list-style-type: none"> a. Relocating accessories to allow lifting with mechanical lifting devices b. Fabrication of fixtures to allow controlled, secure removal, transport and replacement of large components. c. Attaching lifting eyes to heavy parts to attach rigging to facilitate mechanical lifting techniques.

Industry attempts to mitigate risks

