

Critical Heavy Lift Rigging Inspection Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

Sling Inspection

☐ Verify each sling has a legible sling tag indicating its rated capacity, sling angle, and serial number. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Confirm sling material is compatible with the load and environmental conditions (e.g., temperature, chemicals). (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Inspect slings for cuts, abrasions, and other damage that could compromise their strength. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Examine wire rope slings for kinks, crushing, bird caging, or other distortions. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Check synthetic slings for chemical damage, burns, or melting. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Verify sling end fittings (e.g., eyes, hooks) are properly attached and free from cracks or deformation. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Measure sling stretch/elongation. Remove from service if exceeding manufacturer's recommendations. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Ensure all sling hardware (shackles, hooks) are of the correct size and rated capacity for the sling. (ASME B30.10)	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Verify slings are stored properly, protected from damage, moisture, and extreme temperatures. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Confirm slings are inspected regularly (daily before use) and documented. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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Shackle Inspection

☐	Verify each shackle has a legible WLL (Working Load Limit) stamped on the body. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Confirm the correct type of shackle pin is used (e.g., screw pin, bolt-type with nut and cotter pin). (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Ensure the shackle pin is fully engaged and properly secured. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Inspect shackle body for deformation, cracks, or wear. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Verify the shackle pin is straight and not bent or damaged. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Check shackle threads for damage or corrosion. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Ensure the shackle is loaded correctly, avoiding side loading or three-point loading. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Verify shackles are properly sized for the mating hardware (e.g., sling eyes, lifting lugs). (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Inspect shackles for excessive corrosion that could reduce their strength. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Confirm shackles are from a reputable manufacturer and meet recognized standards. (ASME B30.26)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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Spreader Bar Inspection

☐	Verify the spreader bar has a legible WLL (Working Load Limit) clearly marked. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Confirm the spreader bar design is appropriate for the lift (e.g., adjustable, fixed length). (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Inspect the spreader bar for any signs of bending, buckling, or deformation. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Examine all welds on the spreader bar for cracks, porosity, or other defects. (AWS D1.1)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify the end connections (e.g., lifting lugs, padeyes) are securely attached and free from damage. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure all hardware used with the spreader bar (e.g., shackles, slings) are compatible and properly rated. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	If adjustable, verify the adjustment mechanism is functioning correctly and securely locked in place. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm the load is evenly distributed across the spreader bar. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Inspect the spreader bar for adequate corrosion protection (e.g., paint, galvanizing). (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify the spreader bar has documentation including load charts and inspection records. (ASME B30.20)	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Load & Lift Planning

☐	Verify the load weight is accurately determined and documented. (OSHA 1926.753)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm the center of gravity (CG) of the load has been accurately calculated and marked. (ASME B30.9)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure a detailed rigging plan is available and understood by all personnel involved in the lift. (OSHA 1926.753)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify the lift radius is clear of obstructions and personnel. (OSHA 1926.753)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Assess environmental conditions (wind speed, temperature) and adjust the lift plan accordingly. (ASME B30.5)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm the crane is properly leveled and supported. (OSHA 1926.1402)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Establish a clear communication protocol between the crane operator, rigger, and signal person. (OSHA 1926.753)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify all personnel involved in the lift are qualified and trained for their respective roles. (OSHA 1926.753)	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐ Confirm emergency procedures are in place and understood by all personnel. (OSHA 1926.753) ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Assess the ground bearing capacity and ensure it is adequate to support the crane and load. (OSHA 1926.1402) ☐ Pass ☐ Fail ☐ N/A Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____