



Nautilus Double Locking (NDL) Hooks Recommended Maintenance & Inspection Guidelines

Annual Thorough Examination – Test and Inspection Services

- The manufacturer recommends annual re-certification of Nautilus Hooks by a competent and authorised testing and inspection service.
- Testing and inspection services should refer to the manufacturer's tolerance specifications for re-certification criteria of Nautilus Hooks.

Workplace Best Practice - General Maintenance Guidelines

All lifting equipment, including Nautilus Hooks, should be visually inspected by the users for obvious defects or anomalies prior to use as industry's best practice.

NDL Lock Maintenance

The NDL lock mechanism components are precision machined from marine grade Stainless Steel to provide a smooth and easy thumb operation, in order to maintain functionality of the mechanism the manufacturers recommend regular lubrication with light oil or spray grease applied to the lock slide, pins and bore holes.

Depending on the working environment, NDL Hooks may require an occasional flush out to remove built up grease, grime or dirt from the mechanism, use light penetrating spray lubricant while operating the mechanism to flush before re-lubrication and use.

** Manufacturers recommend, and use, WD40 "white lithium spray grease" for general hook lubrication and WD40 for flushing and cleaning the mechanism.

NDL Eye Hook - Maintenance & Inspection

- Look for obvious damage or defects on the hook – check operational functionality.
- NDL eye hooks should be regularly lubricated to maintain operational efficiency, apply light oil or spray grease to the moving parts around the main pin and locking arm faces as required. Lubricate the lock mechanism as above.
- Check for vertical movement or "play" of the locking arm about the main load bearing pin, movement about the main pin indicates wear and tear on pin, this wear and tear increases proportional to time in service. As a precaution, should there be noticeable, excessive "play" about the main the hook should be removed from service.
- Observe the hook "tips" to see the gap has not become excessive, this can indicate the hook has been subjected to shock loading and should be re-inspected to ensure it remains within the manufacturer's tolerances for re-certification.



NDL Swivel Hook – Maintenance and Inspection

- Look for obvious damage or defects on the hook – check operational functionality.
- NDL bearing swivel hooks should be regularly lubricated to maintain operational efficiency, apply light oil or spray grease to the moving parts, including the lock mechanism as above, spray lubricant into the swivel bearing nut and the around the main pin/locking arm faces as required.
- Check for vertical movement or “play” of the locking arm about the main load bearing pin, movement about the main pin indicates wear and tear on pin, which increases proportional to time in service. As a precaution, should there be noticeable, excessive “play” about the main the hook should be removed from service.
- Observe the hook “tips” to see the gap has not become excessive, this can indicate the hook has been subjected to shock loading and should be re-inspected to ensure it remains within the manufacturer’s tolerances for re-certification.
- Observe that the swivel nut securing “roll” pin is securely in place, the swivel top should be able to rotate freely, check for excessive “play” between the swivel top and the swivel shank, indicating the level of wear and tear on the swivel joint. The manufacturer recommends NDL swivel top hooks be disassembled for closer inspection during annual re-certification by authorised service agents to ensure they remain within tolerance specifications.

The KEY to Maintaining Nautilus Hooks in a “fit for purpose” condition is regular examination, frequent lubrication and annual inspection for re-certification.

Lear More – visit www.nautilushooks.com

**** Inspection services should contact the manufacturers to receive Nautilus Hooks inspection guidelines and tolerance specifications for re-certification of the NDL Hook range.**

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