

PRODIGY

shackle

user instruction guide

WLL xxxKG	Working Load Limit (In Kilograms)
CE	Ce Mark Conforms To 2006/42/Ec
21/00001	Year Of Manufacture/Serial Number
	Caution: Study Manual Instructions
PRODIGY	Manufacturer Identification



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Product Record

This documentation should be issued with and kept for each item or system.
Please see the product label for the details required below.
Consult this guide for advice on inspection, maintenance, lifespan, etc.

Production Inspection Record:			
Date	Inspection Details e.g. periodic examination or repair	Name & Sig	Date of next inspection

IMPORTANT

Never use a damaged shackle.
Always apply Threadlocker Blue to secure shackle pins
(refer to guidelines on this page).

Before using the Prodigy Hex-Lock D Shackle, users must thoroughly read and understand these instructions. For any questions regarding use, care, application, or suitability, contact Prodigy Aerial at hello@prodigyairal.com.

PRODUCT DETAILS

The Prodigy Hex-Lock D Shackle complies with European Directive 2006/42/EC. It is designed to connect components in lifting systems and has been fully tested and approved for aerial acrobatics. This shackle is not classified as Personal Protective Equipment (PPE).

WARNING!

- Working at height is inherently dangerous. Users must be trained in proper techniques for using this equipment. Incorrect use may result in serious injury or death. Prodigy Aerial accepts no responsibility for damage, injury, or death due to misuse.
- Only competent or specifically trained individuals should use this equipment.
 - Users with medical conditions that may affect safety should not use this equipment.
 - Conduct a risk assessment and establish a rescue plan before use.
 - If resold outside the original country, provide these instructions in the local language.

CRITICAL GUIDELINES

Vibrations and dynamic motion can cause shackle pins to loosen if not secured with Threadlocker Blue. To ensure safety:

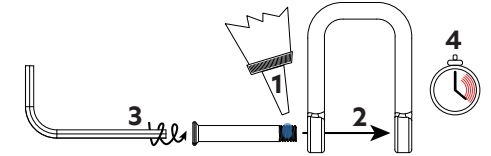
- Verify Pin Security: Use an Allen key to ensure the pin is fully tightened and the locking head is flush. Do not over-tighten or loosen.
- Apply Threadlocker: After every disassembly or inspection, apply Permatex® 24212 Medium Strength Threadlocker Blue to the pin threads. Do not use without threadlocker.
- Regular Inspections: Every 6 months, remove shackles to inspect for wear, corrosion, deformation, or thread damage. Clean threads thoroughly and reapply threadlocker per manufacturer instructions.
- Ensure Proper Locking: Confirm the locking mechanism is fully engaged and the pin is correctly seated.
- Withdraw Damaged Shackles: If any component shows signs of damage, withdraw the shackle from service and consult a qualified inspector.
- Record Keeping: Log all inspections and maintenance, including threadlocker application, in an equipment record.

Only competent personnel should assemble, inspect, or maintain aerial acrobatics equipment incorporating these shackles.

LOCKING THE PIN

- Apply thread locker to the thread of the pin. Recommended Permatex® 24212 Medium Strength Threadlocker.
- Insert pin with threadlock.
- Tighten the pin with allen key until completely closed.
- Allow thread lock to fully cure before use. Refer to manual for curing time.

Note: Diagrams illustrating these steps are available in the printed manual.



LIFESPAN

- Metal Products: Indefinite lifespan, subject to proper use and maintenance.
- Retirement Criteria: Remove from service if damaged by general wear, chemical contamination, corrosion, mechanical malfunction, deformation, cracks, loose components, or illegible markings.

IN USE

- Anchorage Point: Ensure the anchorage point complies with EN795 or equivalent safety standards.
- Avoid Improper Loading: Prevent side-loading or loading over an edge.
- Climatic Conditions: Suitable for use in temperatures from -40°C to +50°C.

GENERAL GUIDELINES

- Visual/Functional Inspection: Before, during, and after use, ensure:
 - All markings are legible.
 - Shackle body and pin are matching types, free from dents, deformations, cracks, corrosion, or significant wear.
 - Threads are undamaged.
 - The pin is fully screwed in (collar or head contacts the body).
- Tools: Use appropriate tools (e.g., Prodigy Aerial Multi-Tool) for assembly and disassembly.
- Working Load Limit (WLL): Never exceed the indicated WLL.
- Loading Direction: Apply forces only along the shackle's principal axis to avoid lateral loading.
- Not PPE: Do not use as Personal Protective Equipment.
- Maintenance After Water Exposure: Air dry and lubricate threads if exposed to water or cleaned with water.
- Periodic Examinations: Conduct thorough inspections every 6 months by a competent person, or as required by local regulations, considering usage intensity and environmental factors.
- Record Keeping: Maintain an equipment log detailing use, storage, and inspections. Withdraw equipment used in a fall arrest or if safety is in doubt, and have it checked by a competent person.

CLEANING, STORAGE & TRANSPORT

- Cleaning: Clean with mild household detergent and rinse with clean water. Dry naturally in a warm, ventilated room away from direct heat. Clean pin threads before/after threadlocker application per manufacturer instructions.
- Marine Environment: Clean after every use in marine conditions.
- Storage: Store in a clean, dry environment.
- User Maintenance: Do not mark, modify, or repair the shackle except for cleaning as described.