



OVERVIEW

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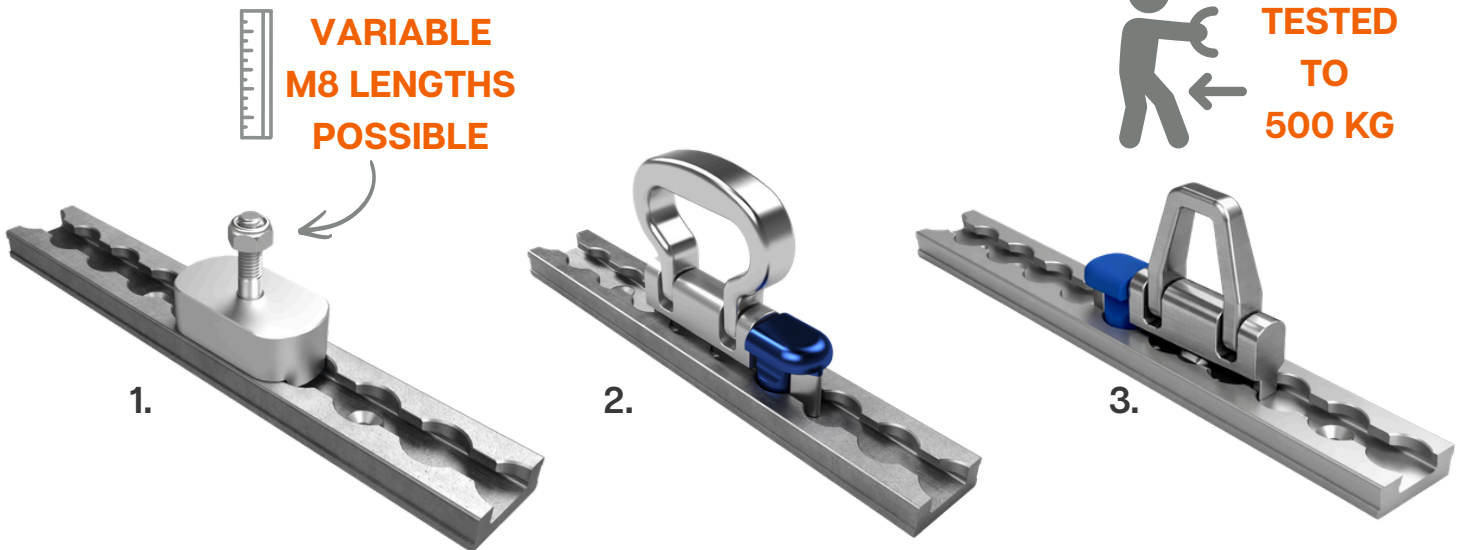
PRODUCT RANGE - MAGNI L-TRACK FIXING SYSTEMS

The Loki Dynamics MAGNI L-Track Fixing System is designed for secure load restraint and modular mounting applications across marine, defence, commercial, industrial and outdoor environments.

This guide combines technical and installation information for:

1. MAGNI L-Track Bolting System
2. MAGNI L-Track Tie-Down D-Loop
3. MAGNI L-Track Tie-Down A-Loop

All products are engineered for high-strength performance, corrosion resistance and compatibility with modular rail systems.



APPLICATIONS

- Cargo management and restraint systems.
- Marine deck fittings and vehicle tie-downs.
- Defence and industrial transport platforms.
- Recreational and commercial trailer systems.
- Outdoor pursuits.



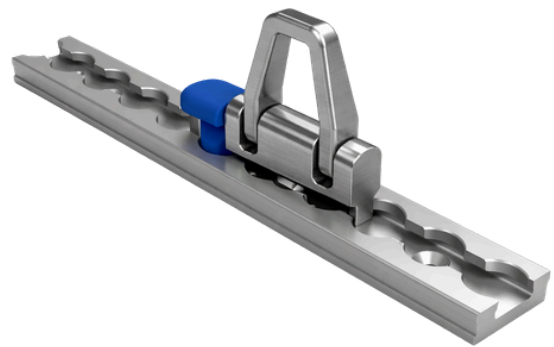
PRODUCT DESCRIPTIONS

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L-TRACK TIE DOWN SYSTEMS

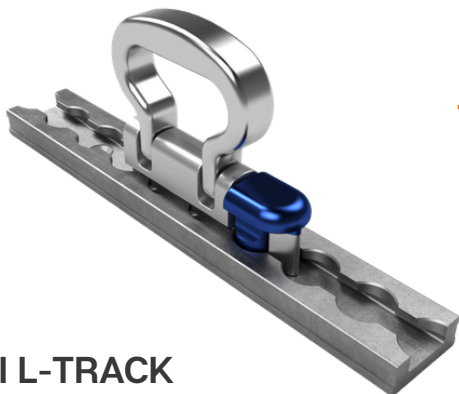
The MAGNI L-Track D-Loop and A-Loop Tie-Down Systems are precision-engineered component designed for secure load restraint on modular rail systems. They combine robust mechanical strength with quick-release functionality suitable for commercial, defence, specialist marine and outdoor applications.

MAGNI L-TRACK TIE-DOWN **A-LOOP**



**TESTED
TO
500 KG**

MAGNI L-TRACK TIE-DOWN **D-LOOP**



KEY FEATURES

- Quick-release latch with positive engagement mechanism.
- High-strength, forged for durability and corrosion resistance.
- Modular rail compatibility for adjustable positioning.
- Low-profile design minimizing snag risk.
- Blue latch accent for visual identification of locked status.
- Fully marinized construction.



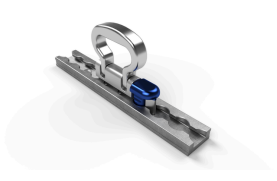

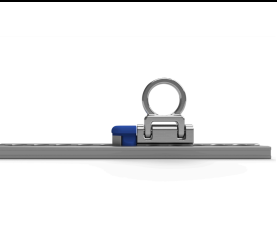

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INSTALLATION & OPERATIONS

INSTALLATION STEPS

MAGNI L-TRACK TIE DOWN D-LOOP & A-LOOP

Each diagram corresponds to one stage of installation:

Steps	Action	Notes	Diagram
Step 1	Insert	Place D-Loop or A-Loop tie down unit onto track. Blue latch will be lifted.	
Step 2	Seat	Wiggle tie down unit until blue plunger drops down into lock position.	
Step 3	Lock	Confirm the blue latch is fully engaged and the assembly sits flush with the rail.	
Step 4	Release	Lift blue latch, slide and remove D-Loop or A-Loop tie down unit from track.	

OPERATING NOTES

- Always verify latch engagement before applying load.
- Periodically inspect for wear or corrosion.
- Apply marine-grade lubricant to moving parts annually.

Technical Information Sheet

L-Track Marine Grade Fixing System



TECHNICAL SPECIFICATIONS

MAGNI L-TRACK TIE DOWN D-LOOP & A-LOOP

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Parameter	Value	Notes
Material	Stainless Steel Marine grade	Marine grade construction
Finish	Polished with corrosion resistant coating	Suitable for saltwater environments
Rail Compatibility	Standard L-track	Adjustable along full rail length
Locking mechanism	Spring-loaded latch	Blue latch indicates locked position
Work load limit	500kg	FEA tested
Operating temperatures	-20 to +80 ° C	Non-conductive latch insert

LOAD RATING & TESTING

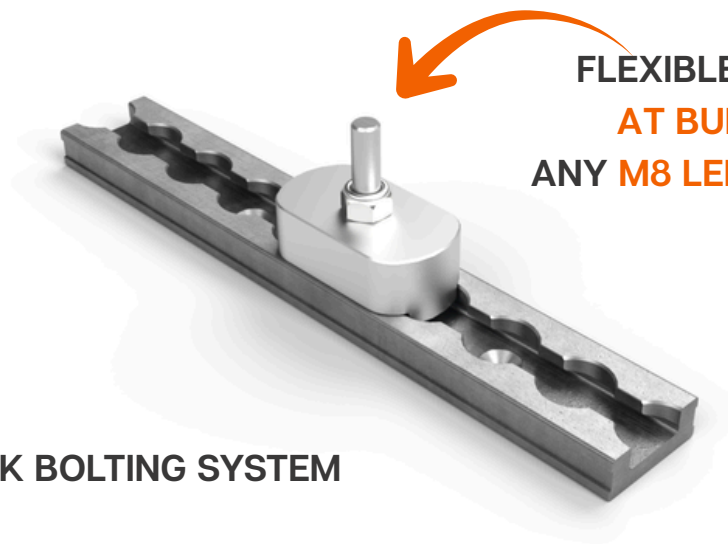
The Loki Dynamics MAGNI L-Track Fixing System has undergone controlled static load testing.

LOAD TESTING SUMMARY

- Static load rating: 500 kg.
- Test method: Incremental static loading.
- Result: No deformation or mechanical compromise at 500 kg.
- Safety factor: See Safety notes.

**L-Track Marine Grade
Fixing System****PRODUCT DESCRIPTIONS****MAGNI L-TRACK BOLTING SYSTEM****MAGNI**

The MAGNI L-Track Bolt-Down System is a compact, high-strength fastening point designed for modular rail systems. It provides a secure threaded interface for clamps, brackets and load-restraint hardware while combining mechanical reliability with simple installation.

**FLEXIBLE SOLUTION:
AT BUILD-POINT,
ANY M8 LENGTH POSSIBLE****MAGNI L-TRACK BOLTING SYSTEM****KEY FEATURES**

- Flexible M8 fastening solution allowing the installer to select the required bolt length.
- Precision-machined block for stable rail engagement.
- Compatible with all standard L-Track.
- Low-profile design reduces snagging risk.
- Corrosion-resistant materials suitable for marine and industrial environments.
- Fully marinized construction.


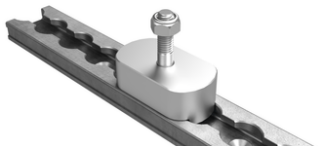
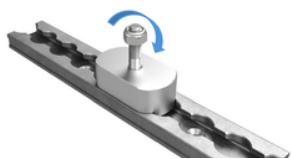
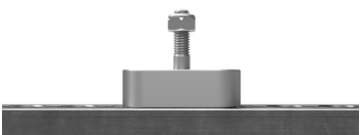


INSTALLATION & OPERATIONS

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INSTALLATION STEPS: MAGNI L-TRACK BOLTING SYSTEM

Each diagram corresponds to one stage of installation:

Steps	Action	Notes	Diagram
Step 1	Prepare	Select the required M8 size for given project. Clean the mounting surface and ensure rail recesses are clear. Permanent Installations: Apply a suitable dissimilar metals protection compound between stainless steel and aluminium components during final assembly.	
Step 2	Insert	Align the Stud Tie Down with the rail recess pattern and insert the tie-down base vertically.	
Step 3	Engage	Rotate or press the locking mechanism until fully seated within the rail system.	
Step 4	Install & Check	Fit M8 threaded bolt and secure with supplied hardware. Check full engagement and torque setting is correct.	

OPERATING NOTES

- Ensure the M8 bolt is fully tightened before applying load.
- Check recommended torque settings.



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TECHNICAL SPECIFICATIONS MAGNI L-TRACK BOLTING SYSTEM

Parameter	Value	Notes
Material	Stainless steel + anodised alloy block	Marine-grade corrosion resistance
Thread size	M8	Standard metric
Rail Compatibility	Fits all standard L-Track	Adjustable along full rail length
Fastener type	Hex nut	See drawing
Work load limit	500kg	Dependent on rail and substrate
Operating temperatures	-20 to +80 ° C	Suitable for outdoor use
Torque	Recommended:	See safety notes

LOAD RATING & TESTING

The Loki Dynamics MAGNI L-Track Fixing System has undergone controlled static load testing.

LOAD TESTING SUMMARY

- Static load rating: 500 kg.
- Test method: Incremental static loading.
- Result: No deformation or mechanical compromise at 500 kg.
- Safety factor: See Safety notes.



SAFETY NOTES

- Ensure mounting rail is free from debris.
- Verify compatibility with approved rail systems.
- Do not exceed rated load limits.
- Inspect the all bolt and tie down systems before each use.
- This product range has been tested to 500 kg static load.
- Follow torque specifications provided.

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N.B. Load rating applies only when installed on an approved rail system using correct torque and hardware.

MAINTENANCE

- Inspect for corrosion, wear or thread damage.
- Clean with mild detergent.
- Re-torque fasteners periodically.
- Replace components showing deformation.
- Lubricate moving components annually with marine-grade lubricant.

REQUIRED TOOLS

- M8 hex key or socket
- Torque wrench
- Cleaning cloth
- Thread locking compound



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TROUBLE SHOOTING

Issue	Possible Cause	Solution
D-Loop will not lock	Debris in rails	Clean rail recesses
Excessive movement	Under-torqued fasteners	Re-torque to specification
Difficult insertion	Misalignment	Re-align with rail slot
Stud movement after installation	Loose fastener	Tighten fastening hardware
Corrosion or stiffness	Lack of maintenance	Clean and lubricate components

COMPLIANCE & CERTIFICATION

- Conforms to EN 12195-2 and ISO 9001 manufacturing standards.
- Tested for vibration, salt-spray and tensile performance.
- FEA Tested.

CONTACT & SUPPORT

- Manufacturer: Loki Dynamics Ltd
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- Support: hello@lokidynamics.com