

# PSC LOAD-IT<sup>®</sup> MAGHEAD PUSH/PULL TOOL

**PSC-LIT-MG Series | PSC-LIT-MAG-FG-008 (Extendable)**

550 lb Magnetic Push/Pull Tool for Hands-Free Guidance and Positioning of Ferrous Suspended Loads

*Magnetically attaches to steel loads — delivering full directional control from a safe standoff distance throughout every lift, without direct hand contact.*



## PRODUCT OVERVIEW

The PSC Load-It MagHead is a lightweight magnetic push/pull tool engineered for hands-free guidance and positioning of ferrous suspended loads. A 550 lb rated neodymium magnet mounted on a 180° swivel head attaches directly to steel plates, H-beams, I-beams, C-hooks, coil lifters, structural assemblies, large motors, and other heavy steel objects — giving the operator full directional control without stepping into the load's swing path.

Constructed from lightweight aluminium with a safety yellow powder coat finish. Available in fixed lengths from 2 ft to 8 ft and as an extendable 4–8 ft version. D-handle option available. Custom lengths available on request.

## WHY THIS TOOL MATTERS — THE HAZARD CONTEXT

### THE HAZARD

- Workers guiding ferrous loads — steel plates, H-beams, C-hooks, coil lifters — by hand are in the direct pinch and crush zone whenever the load moves unexpectedly.
- Heavy structural loads lack accessible engagement points — operators reach across rigging and load edges to steer, placing hands in the highest-risk position at the worst moment.
- Crane-suspended ferrous equipment rotates and swings freely — operators standing adjacent during descent are in the load's direct strike path throughout the final positioning phase.
- After landing, load recovery and repositioning forces workers to close the gap to the load before rigging is fully cleared — a frequently missed hazard in crane operations.

### THE CONTROLLED APPROACH

- The 550 lb magnet attaches instantly to any accessible ferrous surface — the operator engages the load at standoff distance without touching rigging, edges, or structural frames.
- 180° swivel head (MG001–MG004, MAG-FG-008) self-aligns to angled and curved surfaces — maintaining secure magnetic contact without requiring the operator to reposition.
- 90° head (MG006–MG008) provides fixed-angle engagement for specific structural profiles and confined access situations where a swivel head would not seat correctly.
- Extendable 4–8 ft version (MAG-FG-008) provides variable standoff for different lift heights — one tool covers the full range from confined positioning to full crane standoff.

## KEY FEATURES & FUNCTIONAL DESCRIPTION

<b>550 lb Magnetic Pull Force</b>	Neodymium magnet rated to 550 lb pull force — providing secure, predictable attachment to steel plates, structural sections, C-hooks, coil lifters, lifting beams, large motors, and other ferrous objects. Magnetic attachment is confirmed by feel before load movement begins.
<b>180° Swivel Head — MG001 to MG004 &amp; MAG-FG-008</b>	Self-aligning swivel head on fixed lengths up to 4 ft and the extendable version — accommodates angled, curved, and irregular ferrous surfaces without requiring the operator to reposition body or grip. Secure magnetic contact maintained throughout push and pull manoeuvres.
<b>90° Fixed Head — MG006 to MG008</b>	Fixed 90° head on 6 ft and 8 ft fixed-length variants — designed for specific structural engagement profiles and confined access situations where a swivel head would not seat reliably. Provides consistent engagement geometry for repetitive positioning tasks.
<b>Extendable 4–8 ft Version (MAG-FG-008)</b>	Telescopic shaft extends from 4 ft to 8 ft — rated to 275 lb at full extension. 180° swivel head. Single tool provides variable standoff distance to match different crane pick heights and deck configurations without changing tools between lifts.
<b>Lightweight Aluminium Shaft</b>	Marine-grade aluminium construction keeps tool weight between 1.4 kg (2 ft) and 3.5 kg (12 ft) — manageable for single-handed operation across a full shift. Safety yellow powder coat provides high-visibility identification and corrosion resistance.
<b>D-Handle Option</b>	Optional D-handle available as an alternative to the standard rubber grip — providing greater wrist control during sustained push/pull operations or when working in confined positions requiring a different grip orientation.

## APPLICATIONS | TECHNICAL SPECIFICATIONS

### STEEL & HEAVY FABRICATION

- Guiding and positioning steel plates, H-beams, I-beams, and structural assemblies during crane lifts.
- Manoeuvring large steel castings, heavy motors, and machine components during crane-assisted installation.
- Controlling coil lifters and C-hooks during overhead crane operations in steel mills and service centres.

### CRANE & RIGGING OPERATIONS

- Hands-free guidance of ferrous suspended loads during final approach and placement.
- Redirecting and stabilising loads that rotate or drift during crane descent.
- Positioning lifting beams, spreader bars, and rigging hardware without direct hand contact.

### INDUSTRIAL & OFFSHORE

- Positioning large valves, flanges, and pipe assemblies during crane-assisted installation.
- Guiding equipment modules with ferrous contact surfaces during offshore platform operations.
- Heavy machinery positioning in fabrication yards, shipyards, and process plants.

### TECHNICAL SPECIFICATIONS

<b>Magnetic Force</b>	550 lb (Fixed) / 275 lb (Extendable)
<b>Head — MG001–MG004</b>	180° swivel
<b>Head — MG006–MG008</b>	90° fixed
<b>Head — MAG-FG-008</b>	180° swivel
<b>Shaft Material</b>	Lightweight aluminium
<b>Finish</b>	Safety yellow powder coat
<b>Fixed Lengths</b>	2 ft, 4 ft, 6 ft, 8 ft (custom to 12 ft available)
<b>Extendable</b>	4–8 ft (MAG-FG-008)
<b>Weight Range</b>	1.4 kg (2 ft) to 3.5 kg (12 ft)
<b>Handle Option</b>	Rubber grip or D-Handle
<b>Environment</b>	Heavy industrial, steel, offshore, fabrication

## PART NUMBER MATRIX & TOOL WEIGHTS

### FIXED LENGTH — PSC-LIT-MG Series (550 lb | 180° swivel: MG001–MG004 | 90° head: MG006–MG008)

PART NUMBER	LENGTH	HEAD TYPE	WEIGHT
PSC-LIT-MG001	1 ft	180° Swivel	~1.1 kg
PSC-LIT-MG002	2 ft	180° Swivel	1.4 kg
PSC-LIT-MG003	3 ft	180° Swivel	~1.6 kg
PSC-LIT-MG004	4 ft	180° Swivel	1.7 kg
PSC-LIT-MG006	6 ft	90° Fixed	2.0 kg
PSC-LIT-MG008	8 ft	90° Fixed	2.5 kg

### EXTENDABLE — PSC-LIT-MAG-FG-008 (275 lb | 4–8 ft | 180° Swivel Head)

PART NUMBER	LENGTH RANGE	HEAD TYPE	MAGNETIC FORCE
PSC-LIT-MAG-FG-008	4 ft – 8 ft	180° Swivel	275 lb

## INDUSTRIES SERVED | BEST PRACTICE FOR SAFE USE

### INDUSTRIES SERVED

- Steel mills and metals processing facilities
- Heavy fabrication yards and structural steel contractors
- Offshore drilling rigs and production platforms
- Oil and gas process plants — onshore and offshore
- Shipyards and marine construction facilities
- Construction sites with structural steel erection

### BEST PRACTICE FOR SAFE USE

**Verify magnetic attachment before load movement:** Confirm the magnet has seated securely on the ferrous surface before the crane takes the load or lateral force is applied.

**Match tool length to standoff requirement:** Select the length that keeps the operator outside the load's swing radius throughout descent and placement.

**Extendable: confirm lock at selected length:** Before applying force with MAG-FG-008, confirm the telescopic shaft is fully locked at the selected extension.

**Complement taglines:** The MagHead complements taglines for directional control — it does not replace them. Maintain tagline control throughout the full lift.

### *550 lbs of magnetic grip. Hands-free safety. Zero contact. Total control.*

The PSC Load-It MagHead attaches to the load so the operator never has to — delivering full directional control of ferrous suspended loads from a safe distance, on every lift, in every operating environment.