

PK-NM-2100 Notched Magnet

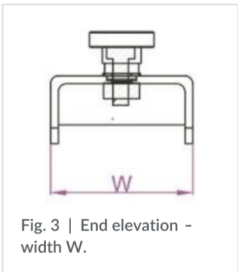
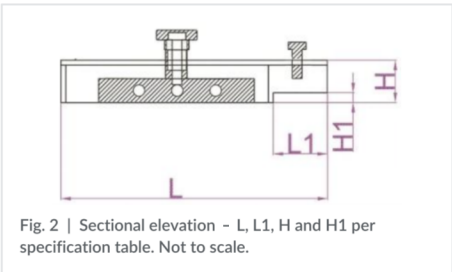
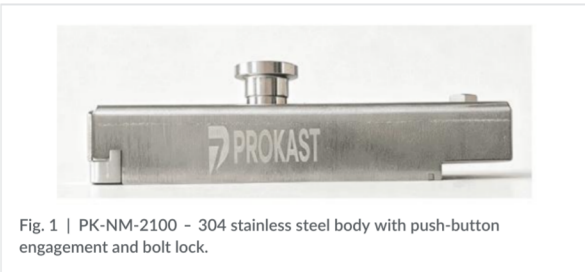
2100 kg VERTICAL PULL FORCE

PRODUCT OVERVIEW

The **PK-NM-2100** is a high-performance **304 grade stainless steel** magnet designed for precast concrete production. It delivers a powerful **2100 kg vertical holding force** and features a precision notch that sits over the steel shutter. A bolt is then tightened to lock the magnet firmly in place against the casting bed, providing both magnetic hold and positive mechanical retention.

The 304 stainless steel body offers excellent corrosion resistance in wet concrete environments, making it ideal for daily use in Australian precast yards.

ENGINEERING DRAWING



TECHNICAL SPECIFICATIONS

SPECIFICATION	VALUE
Model	PK-NM-2100
Length (L)	320 mm
Width (W)	120 mm
Height (H)	60 mm
Notch height (H1)	13 mm
Notch length (L1)	55 mm
Weight	7.02 kg
Vertical pull force	2100 kg
Sliding force	600 kg
Housing material	304 stainless steel
Magnet type	High-strength neodymium
Operation	Push-button + bolt lock

Pull force stated is the maximum vertical (direct pull) value on clean, flat mild steel of adequate thickness. Refer to the Disclaimer for in-service derating.

KEY FEATURES

- 304 grade stainless steel housing for superior corrosion resistance
- 2100 kg strong vertical holding force
- Precision notch that sits over the steel shutter
- Bolt-down mechanism for positive mechanical locking
- Compact and robust industrial design
- Easy push-button engagement with lever release
- Suitable for steel formwork
- No welding or drilling into the casting table required
- Built for continuous daily use in harsh yard conditions

INSTALLATION

- 01** Ensure the steel casting bed is clean and free of debris.
- 02** Position the magnet so the notch sits over the top edge of the steel shutter.
- 03** Lower the magnet onto the casting bed.
- 04** Push the button down firmly to engage the magnet.
- 05** Tighten the bolt to lock the assembly in place.

To release: loosen the bolt, then use the ProKast release lever PK-MRL-01 to lift the button and remove the magnet. **Never strike the magnet with a hammer.**

CARE & MAINTENANCE

- Clean the magnetic face and notch area after every use to remove concrete slurry and debris.
- Wipe the stainless steel body with a clean cloth.
- Apply a light coat of form oil or protective spray if storing for extended periods.
- Store in a dry area.
- Never strike the magnet with a hammer or weld near it - heat will permanently damage the internal neodymium magnets.

SAFETY INFORMATION

- Extremely powerful neodymium magnets - risk of severe pinching injuries.
- Keep clear of people with pacemakers or medical implants.
- Always use the correct release lever to disengage the magnet.
- Ensure the bolt is properly tightened before pouring.
- Do not allow concrete to cure on the magnet or in the notch.

WARRANTY

ProKast provides a **24-month warranty** against manufacturing defects in materials and workmanship under normal precast yard use, commencing from the date of delivery. Warranty is void if the product is damaged by hammering, welding, improper cleaning, or other misuse. This warranty is in addition to, and does not exclude, any rights or remedies available to you under the Australian Consumer Law.

SALES INFORMATION

PRODUCT CODE	MANUFACTURER	ABN
PK-NM-2100	ProKast Pty Ltd	49 692 182 273
EMAIL	WEB	ENQUIRIES
sales@prokast.com.au	prokast.com.au	Bulk pricing & trial samples

DISCLAIMER

The information in this data sheet is provided in good faith and is believed to be accurate at the date of publication. Stated pull force and sliding force are maximum values measured under controlled conditions on a clean, flat, machined mild steel plate of adequate thickness at ambient temperature with full face contact. Holding force achieved in service will be lower than these stated values and varies with surface finish, rust, paint, coatings, contamination, air gap, bed thickness, temperature, vibration, and load direction; shear and peel loads in particular are substantially lower than direct vertical pull. It is the responsibility of the user to determine the suitability of this product for the intended application, to apply an appropriate factor of safety for concrete pressure, vibration and pour dynamics, and to ensure use complies with all applicable Australian Standards, WHS legislation and site-specific risk assessments. This product is not a lifting device and must not be used to lift or suspend loads. ProKast Pty Ltd accepts no liability for loss, damage or injury arising from misuse, modification, unauthorised repair or use outside the parameters stated in this document. Specifications are subject to change without notice. This document supersedes all previous revisions.