

PK-FM-2200 Formwork Magnet

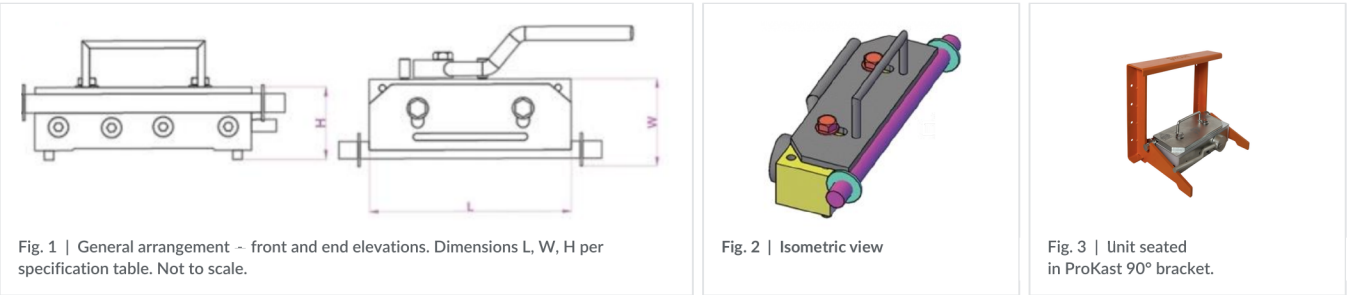
2200 kg VERTICAL PULL FORCE

PRODUCT OVERVIEW

The **PK-FM-2200** is a high-strength neodymium formwork magnet designed for Australian precast yards. It forms the core magnetic unit of the ProKast M2200 system and delivers a reliable **2200 kg vertical holding force** for securing timber or steel shutters to steel casting beds.

When used with the matching ProKast 90° bracket, it provides fast, accurate 90° alignment without drilling, welding, or damaging the casting table.

ENGINEERING DRAWING



TECHNICAL SPECIFICATIONS

SPECIFICATION	VALUE
Model	PK-FM-2200
Length (L)	300 mm
Width (W)	115 mm
Height (H)	75 mm
Weight	10.8 kg
Vertical pull force	2200 kg
Magnet grade	N40 neodymium
Engagement	Push-down, lever release
Compatible bed heights	195 mm & 295 mm (with matching bracket)

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

- 2200 kg vertical holding force
- N40 high-strength neodymium magnets
- Push-down engagement with lever release
- Built for harsh precast yard conditions
- Accurate 90° alignment with the ProKast bracket
- No drilling or welding into the casting table
- Fully reusable across pours

INSTALLATION

- 01** Screw the ProKast 90° bracket securely to the timber or steel shutter.
- 02** Place the PK-FM-2200 magnet unit into the bracket slot.
- 03** Push down firmly to engage the magnet against a clean steel casting bed.
- 04** To release, use the dedicated lever to disengage. **Never strike the magnet with a hammer.**

CARE & MAINTENANCE

- Clean the magnetic face after every use. Remove wet slurry immediately and scrape off dried concrete.
- Use compressed air to clear dust from the push-button mechanism.
- Apply a light coat of form oil or rust-preventative spray to the face and housing after cleaning.
- Always place the magnet gently onto the bed - do not drop it.
- Store indoors in a dry area with the button in the UP (disengaged) position.
- Use timber or cardboard spacers when stacking units to stop magnets snapping together.
- Never weld near the magnet - heat will permanently damage the magnetic field.

SAFETY INFORMATION

- Extremely powerful neodymium magnets - risk of severe pinching and crush injuries.
- Keep clear of persons fitted with pacemakers or other medical implants.
- Place the unit carefully onto the bed; impact can crack the internal magnet core.
- Do not allow concrete to cure on the magnet body or button mechanism.
- Keep magnetic media, electronic devices and loose steel clear of the magnetic face.

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-FM-2200	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 is a maximum value 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** and varies with surface finish, rust, paint, coatings, contamination, air gap, bed thickness, temperature and load direction, and shear and peel loads 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.