

EdjPro EPA03 Lifting System

EASY TO USE

- ✓ Simple and quick to install
- ✓ One click connection
- ✓ Easy to train operators how to use the system with minimal supervision

STRONG

- ✓ Up to 3 tonnes WLL when used with a 12mm tension bar

SAFE

- ✓ Anchors and clutches are clearly marked with their Load Class
- ✓ Complies with the requirements of the WorkSafe New Zealand Good Practice Guidelines for Safe Handling, Transportation and Erection of Precast Concrete Elements, Oct 2018

TRUSTED

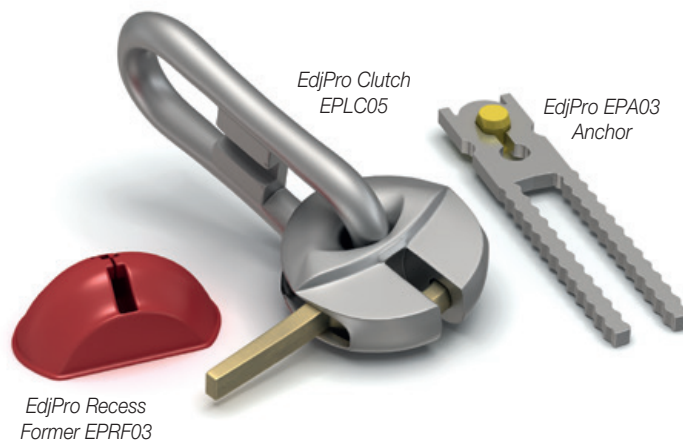
- ✓ Well known, proven technology
- ✓ Engineered and tested for safety
- ✓ Backed by Leviat experience and comprehensive technical support



For factory-cast panels
from 100mm thickness

EdjPro EPA03 Lifting Insert

Innovative and fast lifting system specifically designed for the safe handling of thin factory-cast panels from 100mm thickness



EdjPro EPA03 Lifting Insert - System Performance

Working Loads in Tension

Part Code	Tension Bar Type	Recommended development length $L_{sy,tb}$ (mm)	Total cut length (mm)	Spread width w (mm)	WLL in tension (to)
EPA03	HD12	394	950	280	3

* Tension bar length refers to NZS 3101 – Concrete strength 15 MPa, panel thickness ≥ 100 mm

The EdjPro EPA03 Lifting Insert is fitted with HD12 tension bars to achieve the full tension capacity of 3 tonnes

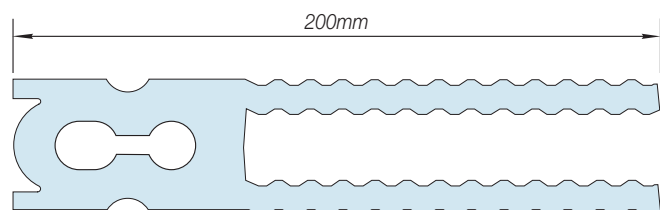
Working Loads in Shear

Panel Thickness (mm)	Concrete compressive strength at the time of lift $f_{c,fit}$ (MPa)					
	12	15	20	25	30	40
	Maximum recommended shear loads (tonnes) for EPA03 with tension bar					
100	0.81	0.91	1.00	1.00	1.00	1.00
120	0.95	1.00	1.00	1.00	1.00	1.00
125	0.98	1.00	1.00	1.00	1.00	1.00
150	1.00	1.00	1.00	1.00	1.00	1.00
175	1.00	1.00	1.00	1.00	1.00	1.00

The shear loads mentioned above are reached with HD12 tension bars and a shear bar. The shear bar is placed above the lifting insert to control flexural cracking. Please contact to Ancon for further details.

EdjPro Lifting Inserts must not be used for sling angles exceeding 60 degrees.

Vertical rigging is recommended for the edge lifting of thin panels to minimise the force on the panel edge.



Leviat

2/19 Nuttall Drive, Hillsborough, Christchurch 8022
+64 (0) 3 376 5205
info.ancon.nz@leviat.com