

# ReidBrace™

## Bracing and Connections

**Product Identifier** RBRACE\_\_-SET

### Product description

ReidBrace™ is an off-the-shelf system that provides design engineers and constructors with an economic solution for tension bracing of structures, tie-back applications and temporary works bracing. ReidBrace™ is supplied in a kit.

### Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (b, d, e, f, g, h, j, q), B1.3.4

B2 Durability — B2.3.1 (a)

F2 Hazardous building materials — F2.3.1

### Contributions to compliance

For B1 Structure refer to ReidBrace™ Design Guide NZ and ReidBrace™ Installation Guide NZ listed in supporting documentation.

For B2 Durability, all structural ReidBrace™ components are hot dip galvanised in accordance with AS/NZS 4680:2006. ReidBar™ is ACRS accredited and is not supplied by Ramset™ but supplied by reinforcing distributors.

For F2 Hazardous building materials refer to ReidBrace™ Installation Guide NZ listed in supporting documentation which references Epcon™ C8 Xtrem™ which is only used when mechanical couplers are introduced. For the MSDS for Epcon™ C8 Xtrem™ refer to the following link:

[https://ramset.co.nz/wp-content/uploads/2023/07/ramset\\_C8-450\\_SDS\\_chemsetEPCON\\_C8\\_NZ.pdf](https://ramset.co.nz/wp-content/uploads/2023/07/ramset_C8-450_SDS_chemsetEPCON_C8_NZ.pdf)

### Scope of use

ReidBrace™ is an off-the-shelf system that provides design engineers and constructors with an economic solution for tension bracing of structures, tie-back applications and temporary works bracing. ReidBrace™ is supplied in a kit. Each kit contains: 1. Reid™ Tension Spring, 2. Reid™ Tab Washer, 3. RBRACE, 4. RBRACEEND, 5. ReidBar™ Nut x 2, 6. Pin and Clip. ReidBrace™ utilises ReidBar™, a user friendly continuously threaded reinforcing bar system, as tension members. This makes ReidBrace™ a unique system that is easy to install, with minimum extra processes onsite.

### Features and benefits:

- Eliminates expensive threaded rods
- ReidBrace™ uses Grade 500E ReidBar™ for tendons
- Eliminates welding and threading
- Over length bar can be cut without dismantling the bracing assembly
- Substantial cost savings in labour and materials
- Engineered design, tested and certified to exceed the ultimate capacity of the Grade 500E ReidBar™

### Conditions of use

Installation of ReidBrace™ should be performed by a skilled professional only after consultation with the site specifier and engineer. ReidBrace™ models should be installed in accordance with the ReidBrace™ Installation Guide NZ.

**Supporting documentation** The following additional documentation supports the above statements:

Title (type)	Version	URL
ReidBrace™ Design Guide - NZ Edition (Design,		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset-RBRACE12-SET-Design-Guide-NZ-ReidBrace.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset-RBRACE12-SET-Design-Guide-NZ-ReidBrace.pdf</a>
ReidBrace™ Installation Guide - NZ edition (Design, Installation, Maintenance)		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset-RBRACE12-SET-Installation-Guide-NZ-ReidBrace.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset-RBRACE12-SET-Installation-Guide-NZ-ReidBrace.pdf</a>
ReidBrace™ UoA Test Summary Letter (Test results)		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset_RBRACE12-SET_TDS_ReidBrace%E2%84%A2.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset_RBRACE12-SET_TDS_ReidBrace%E2%84%A2.pdf</a>

# ReidBrace™

## Bracing and Connections

Contact details	
Manufacture location	Overseas
Legal and trading name of manufacturer	ITW CP SEA*
Legal and trading name of importer	Ramset™ New Zealand
Importer address for service	29 Poland Road, Auckland, 0627, New Zealand
Importer website	ramset.co.nz
Importer email	info@ramset.co.nz
Importer phone number	0800 726 738
Importer NZBN	9429039833129

\*on the basis that ITW CP SEA partakes in the process of manufacture, involving design, quality/safety testing, importing, packaging and supplying the product in New Zealand.

**Warnings and bans**

This product line is not subject to any warning or ban under Section 26 of the Building Act 2004

### Appendix - Building code performance clauses

BPIR Ready selections

Category: Fixings and fasteners

Building code performance clauses

All relevant building code performance clauses listed in this document:

B1 Structure

B1.31

Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout their lives.

B1.32

Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during construction or alteration when the building is in use.

B1.33

Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework, including:

(b) imposed gravity loads arising from use

(d) earth pressure

(e) water and other liquids

(f) earthquake

(g) snow

(h) wind

(j) impact

(q) time dependent effects including creep and shrinkage

B1.34

Due allowances shall be made for:

a. the consequences of failure,

b. the intended use of the building,

c. effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,

d. variation in the properties of materials and the characteristics of the site, and

e. accuracy limitations inherent in the methods used to predict the stability of buildings

B2 Durability

B2.31

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

(a) the life of the building, being not less than 50 years, if:

i. those building elements (including floors, walls, and fixings) provide structural stability to the building, or

ii. those building elements are difficult to access or replace, or

iii. failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

F2 Hazardous building materials

F2.31

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

**For further information, please contact Ramset™**  
**NZ - PHONE: 0800 RAMSET (726738) www.ramset.co.nz**  
**AU - PHONE: 1300 780 063 www.ramset.com.au**