Lindapter Type LR

Building Product Information Sheet

New Zealand

Lindapter Type LR is a versatile, self-adjusting girder clamp used to connect steel beams with flat or tapered flanges and resist moderate tensile loading. Type LR consist of two parts, the clip and the saddle, which allow the clamp to self-adjust to suit flange thicknesses between 3mm and 24mm. Ancillary packing pieces (P1L, P2L) are available to increase the clamping range.

Type LR are suitable for use on parallel and tapered flanges up to 15°. They are manufactured from malleable iron. Durability is achieved by a zinc plated or hot-dip galvanised coating and categorised by Corrosivity Class in accordance with ISO9223.

Type LR are available in sizes to suit M10, M12, M16, M20 and M24 bolts, and are identified by reference to the clamp type and size (e.g. LR12)

Composition
- Type LR clamps are manufactured from malleable iron.

Supporting documentation
- Full product details, including installation guidelines, are presented in supporting technical documentation. See: Lindapter Weld-Free Steel Connectors.
- Available from: https://www.ancon.co.nz/downloads/technical-literature

Product Identifier
- LR_ _

Relevant Building Code clauses:
- Clause B1 Structure — B1.3.1, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability — B2.3.1 (a)
- Clause F2 Hazardous Building Materials — F2.3.1

Contributions to Compliance:

Clause B1 Structure
- **B1.3.1, B1.3.2, B1.3.3, B1.3.4.** Type LR clamps are CE marked and product compliant with European standards. Type LR safe working loads are presented in the supporting technical documentation. Type LR capacities have been tested in accordance with the Lloyd's Register Type Approval System (Certificate no. LR21464139TA).

Clause B2 Durability
- **B2.3.1 (a).** Type LR will meet the provisions of B2.3.1(a) of not less than 50 years subject to placement, use and maintenance in accordance with the design and required durability assessment and consideration of the responsible engineer working to the appropriate design and environmental standards.

Clause F2 Hazardous Building Materials
- **F2.3.1.** Type LR clamps meet the performance requirements under Clause F2.3.1

Manufacturer and Importer Details:

Place of Manufacture:	Overseas
Manufacturer:	Lindapter International, Brackenbeck Road, Bradford West Yorkshire BD7 2NF, United Kingdom
Manufacturer Email:	support@lindapter.com
Importer Name:	Leviat New Zealand Limited
Importer Address:	246D James Fletcher Drive, Otahuhu, Auckland, 2024
Importer Website:	www.leviat.com/en-nz
Importer Email:	info.nz@leviat.com
Importer Phone:	+64 9 276 2236
Importer NZBN:	9429031339056

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Limitations on the use of the building product:

- Use of coated steel clamps in exterior or damp environments is the responsibility of the designer. Guidelines helpful to the preparation of the durability assessment necessary to the use of clamps in environments subject to different conditions are presented in the supporting technical documentation (see page 72), which includes durability ratings categorised in accordance with ISO 9223.

Design requirements to support appropriate use:

- The design strength of Type LR connections must be determined by a suitably qualified engineer in accordance with NZS 3404.

Installation requirements:

- Type LR clamps shall be installed by a competent contractor in accordance with Lindapter installation instructions and the specific engineering design and guidance of the designer.

- Installation guidelines are available in the supporting technical documentation.

Maintenance requirements:

- Maintenance of Type LR shall be in accordance with the design and durability assessment of the designer. Maintenance of Type LR clamps installed in interior, dry and protected environments will not normally be required during the expected life of the clamp.

Warnings or ban:

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