



# Lindapter Type F9

## Building Product Information Sheet

Lindapter Type F9 is an adjustable girder clamp used to achieve a fast steelwork fixing connection between two steel beams or other steel sections which run parallel with each other and where the flanges are of the same width. The clamp is used with bolts or threaded rod which may be supplied by the user (designated 'NB') or with the clamp (designated 'NC').

Type F9 clamps are suitable for use only on parallel flanges and applications with low tensile loadings. They are not suitable for tapered flanges. They are manufactured from malleable iron and in sizes to suit M10, M12, M16, M20 and M24 bolts or rods. Durability is achieved by a zinc plated or hot-dip galvanised coating and categorised by Corrosivity Class in accordance with ISO9223.

Type F9 clamps are identified by reference to type and size (e.g. F910).

### Composition

- Type F9 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

- F9\_ \_

### 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 F9 clamps are CE marked and product compliant with European standards. Type F9 safe working loads are presented in the supporting technical documentation.

Clause B2 Durability

- B2.3.1 (a).** Type F9 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 F9 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:	<a href="http://www.leviat.com/en-nz">www.leviat.com/en-nz</a>
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:

- Type F9 clamps are not suitable for tapered flanges.
- 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 F9 connections must be determined by a suitably qualified engineer in accordance with NZS 3404.

### Installation requirements:

- Type F9 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 F9 shall be in accordance with the design and durability assessment of the designer. Maintenance of Type F9 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.