



Ancon SDB, SDV, SPB and SPV Frame Cramps

Building Product Information Sheet

Ancon SDB, SDV, SPB and SPV frame cramps are manufactured from flat, Grade 304 or (as standard) Grade 316 stainless steel bar and are intended to provide restraint between masonry and in-situ structures. Frame cramps can be fixed to a range of materials including concrete, steelwork or masonry and have a single 7mm diameter hole (SPB and SDB) or an 8mm x 30mm vertical slot (SPV and SDV) through which to place the required fixing (e.g. bolt, screw). The slot in the SDV and SPV allows vertical positioning adjustment. The method of fixing will vary depending on the substrate materials involved. SDB and SDV clamps include a drip for use across a cavity. SPV and SDV do not include a drip and are used when there is no cavity (e.g. when used as a wall starter). SDB and SDV frame cramps are available in different lengths, 125mm to 225mm as standard, with the drip placed 90mm from the outer tail. SPB and SPV are available in standard lengths 75mm to 200mm.

Frame cramps are specified by reference to product code, length and steel grade (eg. SDB125316) and may be used with ancillary items, including isolation washers (ISO-TW) when connecting to steel, insulation retaining clip or debonding sleeves when using SPB or SPV in movement joints

Composition

- Ancon SDB, SDV, SPB and SPV frame cramps are manufactured from stainless steel.

Supporting documentation

- Product details are presented in supporting technical documentation. See: Ancon Wall Ties and Restraint Fixings. Available from: <https://www.ancon.co.nz/downloads/technical-literature>

Product Identifier

- SDB_ _ _ , SDV_ _ _ , SPB_ _ _ , SPV_ _ _

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 E2 External Moisture - E2.3.2
- Clause F2 Hazardous Building Materials - F2.3.1

Contributions to Compliance:

Clause B1 Structure

- Ancon SPB, SPV, SDB and SDV cramps have not been tested to the New Zealand wall tie standard (AS/NZS2699.1:2000) and will contribute to compliance subject to the specific engineering design of a Certified Practising Engineer and their assessment of suitability for use as an alternative solution.

Clause B2 Durability

- Ancon SPB, SPV, SDB and SDV cramps manufactured from Grade 316 stainless steel comply with AS/NZS2699.1:2000, Clause 2.4.4 with a durability classification of R4 assessed against Table 4 and will meet the provisions of B2.3.1(a) of not less than 50 years subject to specified use and placement.

Manufacturer and Importer Details:

Place of Manufacture:	Overseas
Manufacturer:	Leviat Pty. Ltd., 98 Kurrajong Avenue, Mount Druitt Sydney, NSW 2770
Manufacturer Email:	info.au@leviat.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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Clause E2 External Moisture

- Ancon SDB and SDV cramps include an integral drip to resist the cross-cavity transfer of water.
- Ancon SPB and SPV cramps do not incorporate a drip and, other than at the direction of the designer, should not be used if resistance to water transfer is required.

Clause F2 Hazardous Building Materials

- **F2.3.1.** Ancon SPB, SPV, SDB and SDV cramps meet the performance requirements under Clause F2.3.1

Limitations on use:

- Ancon SPB, SPV, SDB and SDV cramps have not been tested to the requirements of AS/NZS 2699.1:2000. Design capacities are not available for narrow masonry units, including the 70mm size commonly used in New Zealand.

Design requirements to support appropriate use:

- Ancon SPB, SPV, SDB and SDV cramps shall be used in accordance with the specific engineering design of a Certified Practising Engineer

Installation requirements:

- Ancon SPB, SPV, SDB and SDV shall be installed by a competent contractor in accordance with Leviat installation guidelines and the specific engineering design and guidance of the designer.
- Installation guidelines are available in the supporting technical documentation.

Maintenance requirements:

- Maintenance of the system will not normally be required during the expected life of the system.

Warning or ban:

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