



CLASS 1 Building Product Information Statement

PRODUCT NAME

Cut and bent low tensile seismic® reinforcing bar – grade 300 ductility class E (“D”, “R”)

PRODUCT DESCRIPTION

300E steel reinforcing bar manufactured to meet the requirements of AS/NZS 4671 “Steel for the reinforcement of concrete” – strength grade 300MPa and ductility class E –reinforcing steel feed supplied by Pacific Steel (NZ) Ltd.

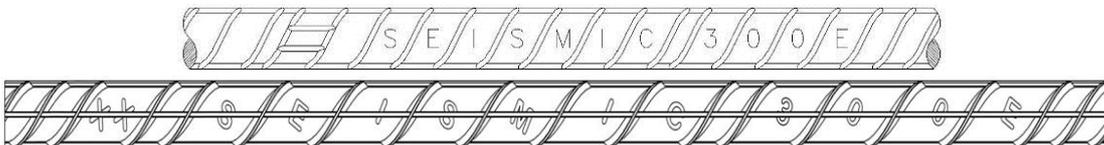
The bar is available as plain round profile bar in diameters: 10mm, 12mm, & 16mm and deformed profile in diameters 10mm, 12mm, & 16mm. All plain profile sizes and 10mm deformed bar have been processed by Fletcher Reinforcing from hot-rolled coil. Bars of 12mm and 16mm diameter may have been processed from hot-rolled coil or hot-rolled as straight bar.



PRODUCT IDENTIFIER



Pacific Steel (NZ) Ltd R300E bar mark
AS/NZS 4671: R300E10, R300E12, R300E16



Pacific Steel (NZ) Ltd D300E bar marks - “XX” denotes bar nominal diameter
AS/NZS 4671: D300E10, D300E12, D300E16

PLACE OF MANUFACTURE

Aotearoa New Zealand

MANUFACTURER

Fletcher Reinforcing (a division of Fletcher Steel Limited, NZBN 9429037626563)

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RELEVANT BUILDING CODE CLAUSES AND COMPLIANCE

Past history of use and manufacture to appropriate product Standards indicates that provided the structural design and product installation, use and maintenance is in line with the guidelines of this Statement, 300E reinforcing bar can contribute to meeting the following performance criteria outlined in the New Zealand Building Code:

- B1 Structure: Performance clauses B1.3.1, B1.3.2 & B1.3.3 (a, b, d, f, g, h, m & q) and B1.3.4 (d). 300E reinforcing bar contributes to meeting the performance requirements of these clauses by being manufactured and certified to meet the requirements of AS/NZS 4671.
- B2 Durability: Performance clauses B2.3.1(a).

LIMITATIONS ON USE

- reinforcing steel, ("300E"), including mesh, can only be:-
 - bent to the provisions of NZS 3109 and NZS 3101.1. (if deformed bar is to be galvanized, note specific bend diameters in NZS 3101.1).
 - welded to the provisions of NZS 3109 and AS/NZS 1554.3
- 300MPa strength, class E ductility reinforcing steel, ("300E"), can only be re-bent cold once.

DESIGN AND INSTALLATION REQUIREMENTS

- 300E reinforcing bar should only be specified by suitably qualified Structural Engineers to meet the performance criteria set out in the New Zealand Building Code.
- 300E reinforcing bar should be installed by competent and experienced personnel familiar with the requirements and practices of NZ reinforced concrete construction.
- 300E reinforcing bar can be hot-dipped galvanized.

DURABILITY AND MAINTENANCE REQUIREMENTS

- Avoid damage to the concrete that would reduce the cover depth or allow contaminant ingress through the concrete cover.
- 300E reinforcing bar should be stored in an essentially dry environment to avoid excessive surface corrosion forming.
- Reinforcing bar should not be used if physically damaged.
- Tightly adherent mill scale or surface corrosion are not detrimental to the mesh performance, but excessive loose and flaking surface corrosion should be avoided.

WARNINGS & BANS

The 300E reinforcing bar is not subject to warning or ban under section 26 of the Building Act 2004.

DISCLAIMER

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