

SENSE 600[®] is produced to meet the requirements of AS/NZS 4671: 2018 Steel for the reinforcement of concrete Grade 600N.

InfraBuild is actively working with Standards Australia through their Technical Committees to revise Standards to recognise the benefits of SENSE 600[®] reinforcing steels.

- The table below provides a summary of current status of Standards referencing AS/NZS 4671 with a comment on their reference to 600N grades of reinforcing steel.

Australian Standards and Recognition of MPa 600 steels	
Standard	Comment on SENSE 600 [®] conformity
AS 3600 Concrete Structures	SENSE 600 [®] bars can be used in all reinforced elements except Section 11 – Design of walls.
AS 2159 Piling – Design and installation	SENSE 600 [®] bars meet the requirements of the Standard as it refers to AS 3600 for the design of reinforced concrete piles and AS/NZS 4671 Steel for the reinforcement of concrete for the reinforcing steel.
AS 4678 – Earth-retaining structures	Design to AS 4678 shall be in combination with AS 3600 therefore SENSE 600 [®] is permitted in designs where the wall is designed as a cantilevered slab or beam to AS 3600.
AS 5100.3 Bridge design – Part 3: Foundation and soil-supporting structures	Section 5 Shallow footings and Section 8 Retaining walls and abutments designs shall meet the requirements of AS 5100.5. Therefore, when the AS 5100.5 amendment is published SENSE 600 [®] bars will be permitted for use in these designs. (Amendment expected to be published late 2023). Section 6 Piled foundations, designs shall meet the requirements of AS 2159. Therefore SENSE 600 [®] products are currently permitted for use in designs.
AS 5100.5 Bridge design – Part 5: Concrete	600 MPa provisions from AS 3600 have been carried across to AS 5100 and was out for Public Comment from 12 April 2023 to 14 June 2023. The Standards Committee is now in the process of reviewing all comments. Note: the same clauses regarding 600 MPa reinforcing steels have been included in AS 3600 since 2018. (Amendment expected to be published in early 2024).