

SERIES 2100
BRIDGE BEARINGS

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BRIDGE BEARINGS

2101 (02/16) General

1 (02/16) This Series is part of the Specification for Highway Works. Whilst this Series is particularly relevant to the subject matter in its title it must be read in conjunction with the general requirements in Series 000 and 100 and with all other Series relevant to the specification for the particular works to be undertaken.

2 (02/16) Bridge bearings shall be in accordance with this Series and contract specific Appendix 21/1. They shall conform to BS EN 1337 and the Contractor shall submit a Declaration of Performance for each bearing to the Overseeing Organisation a minimum of four weeks prior to the installation of the bearing. The Declaration of Performance shall demonstrate that the bearing meets the requirements of the relevant part of BS EN 1337 and the performance requirements stated in contract specific Appendix 21/1.

3 (02/16) The system of 'attestation of conformity' or 'assessment and verification of consistency of performance (AVCP)' as detailed in Annex ZA of the relevant part of BS EN 1337 shall be that which has intended use requirements on individual bearings which are critical.

4 (02/16) The Contractor shall undertake the design of bearings detailed in contract specific Appendix 1/10. The design shall be in accordance with requirements stated in contract specific Appendix 21/1.

5 (02/16) The Contractor shall undertake the contract compliance testing detailed in contract specific Appendix 1/5 in accordance with requirements given in contract specific Appendix 21/1.

6 (02/16) The Contractor shall provide reports on the transport, storage and installation of the bearings installed and information on the required maintenance, in accordance with the relevant parts of BS EN 1337 and requirements given in contract specific Appendix 21/1. This shall include identifying any requirements for the bearings to be replaced in the future. The reports shall be submitted to the Overseeing Organisation within the timescale stated in contract specific Appendix 21/1. The reports shall include the following as appropriate:

- (i) details of clamping required during transport, storage and lifting;
- (ii) details for protection measures for improved durability, including skirts, concertinas or housing assemblies, this shall include details of how to remove, maintain or replace these for inspection and/or maintenance of the bearing;
- (iii) installation and removal methods, including sequences and timings;
- (iv) as installed information, including confirmation of removal of any temporary measures for example, transit bolts or props;
- (v) specific maintenance requirements, including cleaning, grease, measurements, and the required intervals.

2102 (02/16) Surface Preparation and Protection Against Corrosion

1 (02/16) Unless otherwise stated in contract specific Appendix 21/1, the surface preparation and corrosion protection of bearings shall comply with Series 1900

2103 (02/16) Bedding Mortars

1 (02/16) Bedding mortars shall be in accordance with Clause 2601.