|  |  |  |  |
| --- | --- | --- | --- |
|  | | |  |
| **Annexure MRTS81.1 (November 2020)** | | |
| **Bridge Bearings** | | |
|  | | |
| **Specific Contract Requirements** | | |
|  | | |
| **Contract Number** | |  |
|  | | | |
| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS81 unless otherwise noted. | | |

|  |  |
| --- | --- |
| Structure |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Elastomeric bearings (Clause 6)Single unbonded layer bearings The following information is required to be supplied for all single unbounded layer bearings. | | | | | |
| Standard Work Item Number | Dimensions (mm) | | | Service load at zero shear and zero rotation (kN/m) |
| Length | Breath | Thickness |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |
| --- | --- |
| Laminated elastomeric bearings The following information is required to be supplied for laminated elastomeric bearings. | |
| Standard Work Item Number | AS part number (refer AS 5100.4) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Non-Standard laminated elastomeric bearings

The following information is required to be supplied for non-standard laminated elastomeric bearings.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Plan size**  **(mm x mm)** | **Overall Height**  **(mm)** | **Compression stiffness at zero shear (kN/mm)** | **Mean shear stiffness (KN/mm)** | **Shear deflection capacity**  **(mm)** | **Rated load at zero shear & zero rotation (kN)** | **Rated load at max. shear & zero rotation (kN)** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pot bearings (Clause 7) The following information is required to be supplied for all pot bearings. | | | | | | | | |
| Item No. | Location | Type (sliding or fixed) | Maximum ultimate compression load (kN) | Maximum ultimate shear load (kN) | Minimum ultimate compression load (kN) | Serviceability vertical load (kN) | Movement (sliding bearings) (mm) | Design rotation (radian) |
| ULCmax | ULSmax | ULCmin | SLSmax |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| Supplementary requirements (Clause 8) The following supplementary requirements shall apply to the supply and testing of bearings. | |
|  |  |