

If a bearing fails to provide sufficient slip resistance through friction, the bearing shall be restrained to prevent walking.

Steel reinforced elastomeric bearings placed between two steel or galvanized steel bearing surfaces shall be restrained with keeper bars, vulcanization, or other means at each surface. Anchorage by friction is unacceptable at either of the two surfaces.

Plain elastomeric bearing pads typically have relatively low coefficients of friction on concrete or steel surfaces, and the above policy does not apply to plain pads.

* The bottom surface of the galvanized steel plate shall be roughened by hand wire brushing. Power wire brushing is not allowed.

References:

Muscarella, J.V. and Yura, J.A. (1995). *An Experimental Study of Elastomeric Bridge Bearings with Design Recommendations, Research Report 1304-3*. Center for Transportation Research, University of Texas at Austin, Austin.

Research Council on Structural Connections (RCSC). (1985). *Specification for Structural Joints Using ASTM A325 or A490 Bolts*, RCSC.

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