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Fabreeka® SA-47 Elastomer Bearing Pads

SA-47 pads are constructed of all new, high quality elastomers containing a random distribution of synthetic fibers which are vulcanized and cured into a slab form to several standard thicknesses. The distinguishing feature of the SA-47 bearing pads is the strength and durability exhibited by the pad. The inclusion of randomly distributed synthetic fibers yields a bearing pad with much more attractive physical properties (compressive strength, limited creep, etc.) when compared with unreinforced neoprene bearing pads.

History

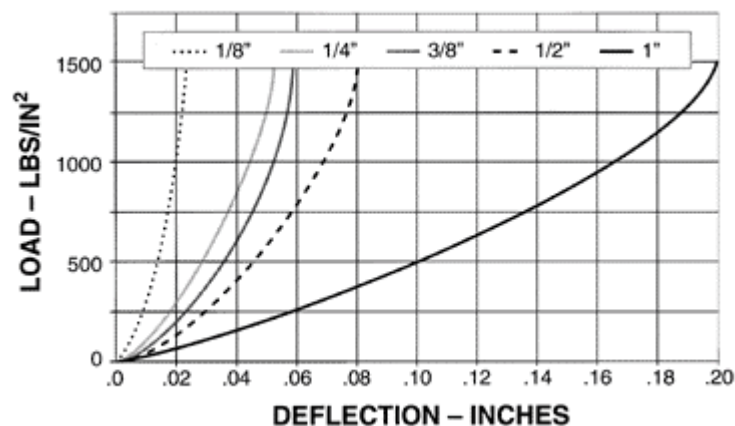
SA-47 pads were initially designed for use as railroad tie plate pads and have been used since 1947. They have shown excellent service performance in this severe use where they are subjected to impact forces, climactic extremes of temperature and moisture and exposure to sand and salt. Based on this successful background, State Highway Departments began specifying SA-47 bearing pads as highway bridge bearing masonry pads, lighting standard seats, and handrail bearing pads in 1957. Applications of the bearing pads in the precast concrete, steel and timber industries have followed with tremendous success.

Features and benefits of SA-47 pads include:

- Available in sizes up to 4' x 4' with standard thicknesses of 1/8", 1/4", 3/8", 1/2" and 1". Pads can be bonded together for larger thicknesses.
- High design compressive stress - 1500 psi; Much higher than recommended design load of unreinforced elastomeric bearing pads.
- Shock absorption, vibration isolation and structure-borne noise reduction
- Allows for bearing surface irregularities and angularity
- Effective performance in all climatic conditions
- Effective weather sealing and prevention of abrasion between bearing members
- Prompt availability to satisfy J.I.T. delivery requirements
- Reduces electrolytic action between dissimilar materials
- Economical

Specification for Fabreeka® SA-47 Bearing Pads

The preformed pads consist of a fabric and rubber body. The pad shall be made with new, unvulcanized rubber and unused fabric fibers in proper proportion to maintain strength and stability. The surface hardness expressed in standard rubber hardness figures is 80 Shore "A" Durometer \pm 10 durometer average. The ultimate breakdown limit will be no less than 7,000 lbs per square inch for the specified thickness without extrusion or detrimental reduction in thickness. The pads will be furnished to specified dimensions with all bolt holes accurately located.



Notes:

Average deflections are based on test results on 3-3/8" x 3-3/8" specimens. Deflection tolerance \pm 15%