

Technical Bulletin

Non-Metallic Baskets for FiberDowel™

FiberDowel™ –

Many dowel bar applications are specifying that no metallic objects will be allowed in the concrete. We're finding this most commonly in pavements under "Fast Pass" booths in toll roads.

To complement the FiberDowel™, Fiberglass Dowel Bar, RJD offers an all plastic basket system to satisfy this specification.



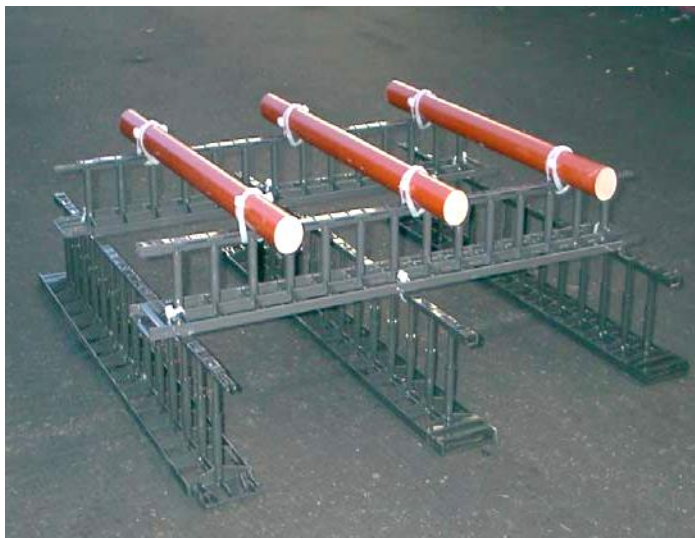
Fully assembled 1-1/2" GFRP Dowel Baskets at 12 inches o.c.



FiberDowel is available in four different diameters:

- 1/2", 3/4", 1" and 1-1/2"

Currently, the plastic basket is manufactured in heights from two inches to five inches (in 1/4 inch increments), allowing the FiberDowel to be held mid-height in pavements up to twelve inches thick. FiberDowel™ is attached to the basket with plastic (heavy-duty) cable ties, and the baskets are held in place with ABS plastic stakes. See photo above, right. This configuration has been used at numerous jobs, including Toll Plazas in both Florida and Texas.



Occasionally, specifications call for concrete pavement that is even thicker than twelve inches (such as in airport runways). In order to hold FiberDowel™ mid-height in these applications, a combination of basket material, stacked and securely fastened, is used (see photo to bottom, left). This was most recently done for a runway at Love Field, in Texas.



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