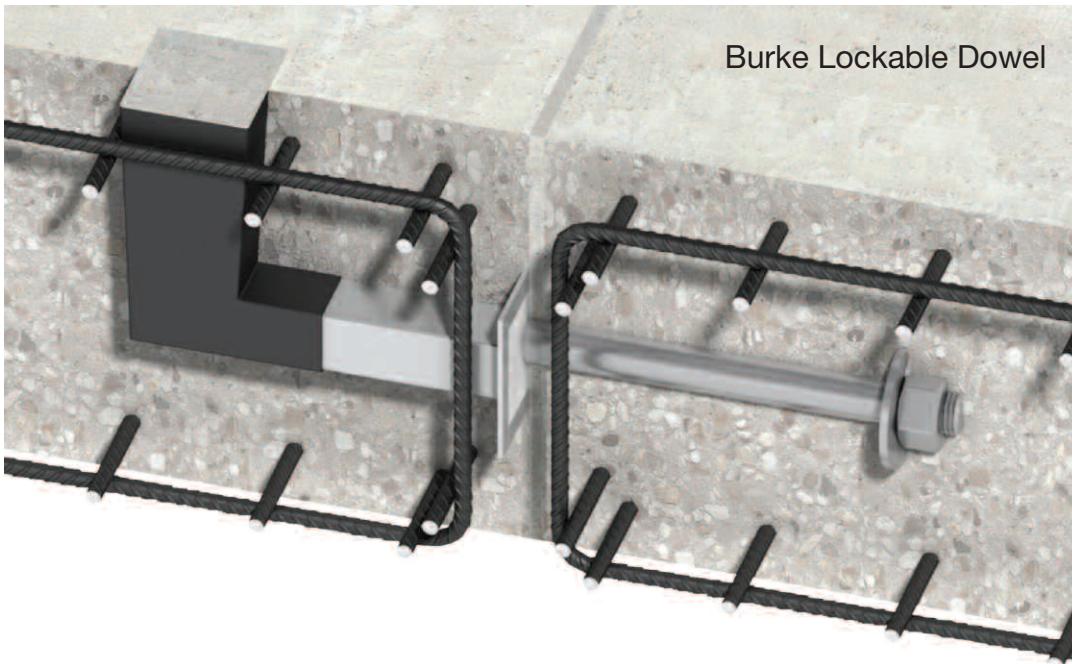


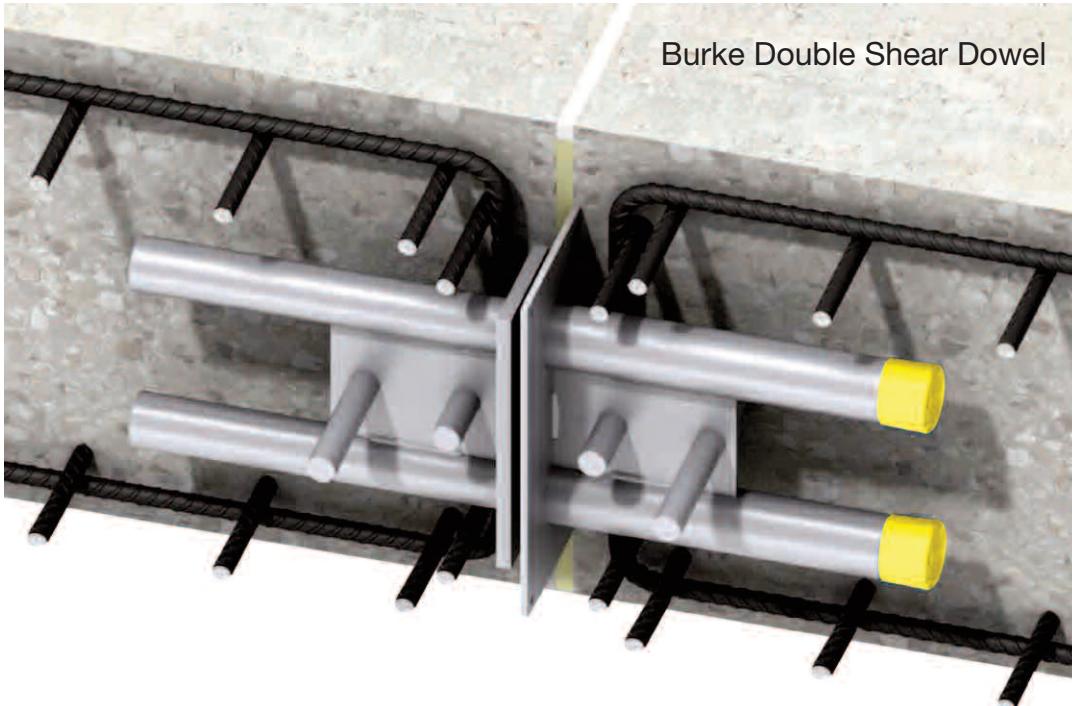
# CASEStudy

from Meadow Burke

A casestudy for the Lockable Dowel and Double Shear Dowel



Meadow Burke Leads the Way in Innovative Construction Methods for Large Projects



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A casestudy for the Lockable Dowel and Double Shear Dowel

Meadow Burke, a premier manufacturer and distributor for the concrete construction industry, is leading the way in innovative construction methods for large projects with two of their products, the Burke Lockable Dowel and the Burke Double Shear Dowel.



The Burke Lockable Dowel and the Burke Double Shear Dowel are currently being used in the construction of the Dallas Cowboys training complex in Frisco, Texas. The complex, which was named "The Star", will serve as the Dallas Cowboys headquarters and will also include a 12,000 seat arena with an indoor practice field, two outdoor practice fields, office buildings, restaurants, and retail sites as well as a hotel.

The products have been utilized worldwide to resolve issues encountered with expansion and contraction in reinforced concrete as well as Post Tensioned Concrete structures.

In the case of the Dallas Cowboys development project, the Burke Lockable Dowel and the Double Shear Dowel are saving both cost and time in the construction of the indoor training arena by eliminating pour strips and preventing concrete from cracking.

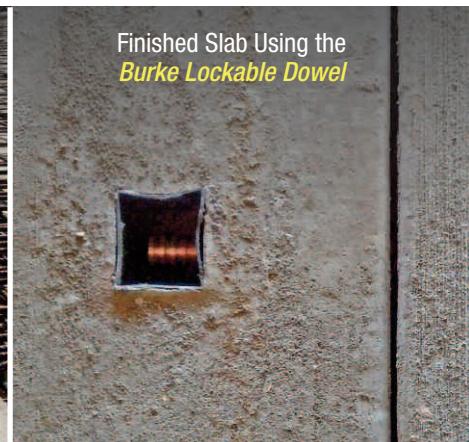
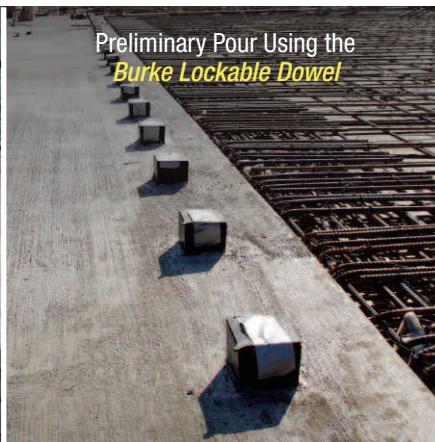
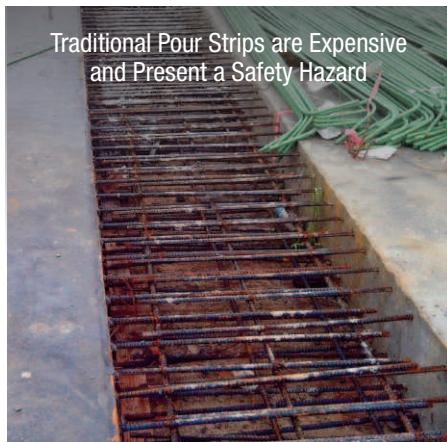
The Burke Lockable Dowel helps to eliminate pour strips in typical large cast in place pours and post tension construction. With a smooth dowel in a rectangular slot, the Burke Lockable Dowel allows contraction movement in two directions while also carrying the gravity loads

once the concrete has reached its designed compressive strength. The Burke Lockable Dowel is being used in slabs to provide temporary movement which allows the project team to continue normal operations. With traditional pour strips, there were safety concerns as well as material movement issues. By using the Burke Lockable Dowel, the general contractor no longer faces the safety concern of having a gap in the slab to work around. Other trades can also get in sooner and move more freely on the jobsite, especially when using mobile equipment such as fork lifts. The Burke Lockable Dowel helps to move the schedule for all trades more efficiently. It is the advanced solution to costly forms, added floor space, time consumption and maintenance issues.



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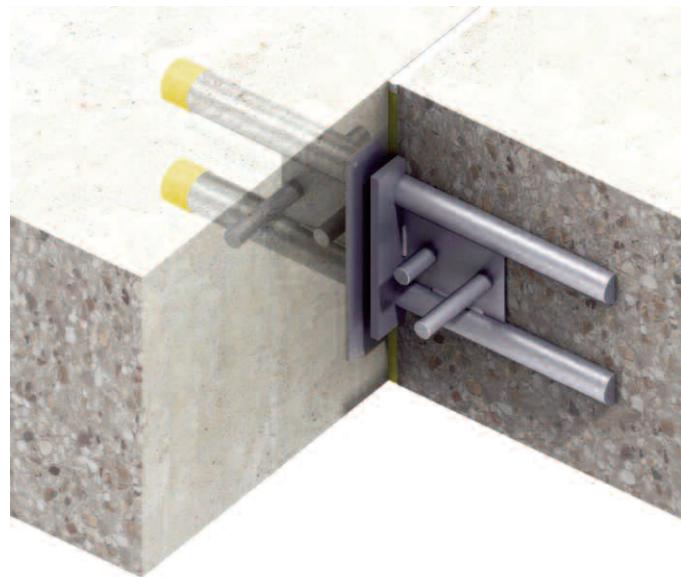
A casestudy for the Lockable Dowel and Double Shear Dowel



In addition to the Burke Lockable Dowel, the Burke Double Shear Dowel is also being used in the construction of the project as a connection for beams. The Burke Double Shear Dowel is a concrete accessory that is revolutionizing permanent movement joints. It is a simple solution to a complex problem that has plagued mankind since the development of concrete.

When concrete expands and contracts based on external conditions, the concrete cracks. The Burke Double Shear Dowel is used to control the cracking by segmenting a construction joint which allows the concrete to move while controlling the direction of the movement. Manufactured from stainless steel to ensure a high degree of corrosion resistance, the Burke Double Shear Dowel requires no additional protection. It has been proven to provide durable construction and is a simple solution to many complex design issues making it a revolutionary product of its time.

Meadow Burke is anticipating that the project will be using approximately 350 Burke Lockable Dowel's and 250 Burke Double Shear Dowels for completion of the indoor training arena. The entire project is expected to be complete by 2016. Lance Osborne of New Business Development and Engineering Services at Meadow Burke commented, "The use of the Burke Lockable Dowel and Double Shear Dowel greatly reduces costs of shoring and decreases construction time for the project."



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A casestudy for the Lockable Dowel and Double Shear Dowel

If you would like to learn more about the Burke Lockable Dowel or the Burke Double Shear Dowel, please visit our website at [www.meadowburke.com](http://www.meadowburke.com) or contact us direct at 877-518-7665.

## About Meadow Burke, LLC

Meadow Burke LLC engineers, designs, manufactures and distributes concrete accessories that are safer, faster and more cost efficient. As the leading innovator of new products and processes for the concrete construction industry, Meadow Burke manufactures a range of concrete accessories including precast products, tilt-up equipment, forming, reinforcing, and road and bridge concrete accessories. Meadow Burke is a subsidiary of Oldcastle Inc., the North American arm of CRH plc, one of the top five international building materials companies.