

PRODUCT DATA



JOINT STABILIZER

JOINT STABILIZER SD5, SD6, SD7 A Final Fix for Problem Floor Joints

PRODUCT DESCRIPTION

SD Joint Stabilizers are a fast, cost-effective and efficient fix for loose, rocking, spalled joints or cracks in concrete floors. SD Joint Stabilizers are designed to eliminate damaging deflection and restore smooth, positive load transfer at all joints and cracks - quickly, easily and permanently. The patented SD Joint Stabilizers feature an internal mechanism that expands and contracts with the concrete while maintaining extreme positive pressure (8,000 lbs [36kN]) on both slab sections that it makes contact with. Joint integrity is re-established when SD Joint Stabilizers are installed, resulting in smoother, safer and uninterrupted production. SD Joint Stabilizers come in 3 lengths, all of which are 3 inches in diameter depending on the specific slab to be repaired: SD5 (5 inch), SD6 (6 inch) and SD7 (7 inch).

ADVANTAGES

- Restores positive load transfer by re-establishing slab integrity
- Installs quickly with very little downtime, mess or disruption
- Joint deflection can be easily verified by measurement before and after installation
- Increases productivity while decreasing vehicle maintenance and downtime
- Cost-effectively lowers the risk of accidents, injuries, and damaged products
- Helps improve pedestrian safety by reducing slips, trips and falls
- A cleaner, faster alternative to pressure grouting and dowel bar repair

INSTALLATION PROCESS



1

Survey slab, measure and record deflection (optional), determine location for installation and repairs.



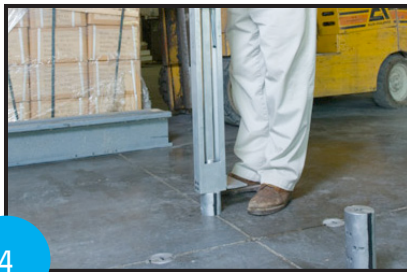
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Certified installers use specialized equipment to drill core holes.



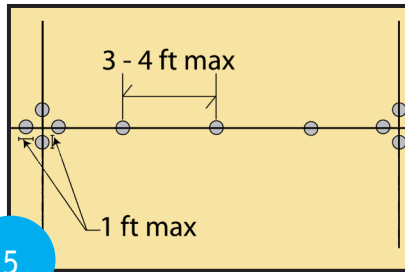
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SD Joint Stabilizers measure 3" diameter and 5", 6" or 7" in length.



4

SD Joint Stabilizers are installed.



5

Recommended installation spacing.



6

SD Joint Stabilizers are expanded by torquing to 85 ft. lbs.



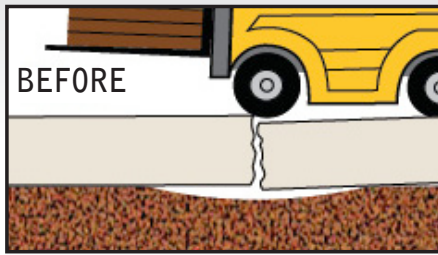
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Deflection is again measured and recorded to confirm success.(optional)

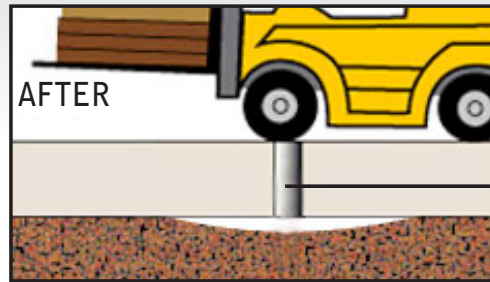


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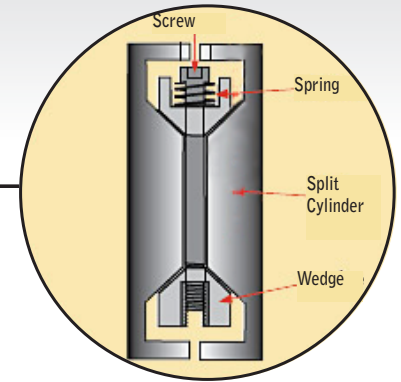
Additional grinding, filling and finishing may be necessary to complete the repair.



Joints start to rock due to shrinkage, curling and voids under the slab resulting in a loss of aggregate interlock, which leads to damage during lift truck traffic operation.



Joint integrity is re-established when the SD Joint Stabilizers are installed, resulting in smooth, uninterrupted production.



Patented SD Joint Stabilizers feature an internal mechanism that expands and contracts with the concrete, while maintaining extreme positive pressure (8,000kips) on both slab sections that it makes contact with.

INSTALLATION PROCEDURES

DIFFERENTIAL SLAB DEFLECTION / JOINT MOVEMENT MEASUREMENT (OPTIONAL)

Take measurements as close as possible to where the Joint Stabilizers are installed.

1. Drive forklift up to joint with wheel as close to joint as possible
2. Measure and record value off dipstick (list positive or negative)
3. Drive forklift over joint to other panel and stop as close to joint as possible
4. Measure and record value off of same side of dipstick (list positive or negative)
5. Subtract the difference between the two recordings to get differential slab deflection
6. Repeat after Joint Stabilizers are installed

LAYOUT OF LOCATIONS TO BE CORE DRILLED

- **IMPORTANT:** Ensure the customer has confirmed that there are no electrical or plumbing conduits in the path of the core drill
- Ensure the coring is done before the application of any joint filler
- Use a 3" core bit rather than the metric equivalent
- Make sure the core drill has a vacuum seal to stabilize the core bit
- Ensure that the hole is centered on the joint

INSTALLING JOINT STABILIZER

- Install so that the top of the SD Joint Stabilizers are flush with the floor
- Make sure that the control/construction joint lines up with the split in the cylinder
- Torque to 85 ft. lbs. with a 3/8" hexbit attached to an appropriately sized torque wrench
- Re-check torque when finished installing all SD Joint Stabilizers
- Fill the hole on the top of the SD Joint Stabilizers with silicone (optional)

COMPLEMENTARY PRODUCTS

StonCor offers a comprehensive range of complimentary products for the repair and maintenance of floors and joints. These include Five Star Concrete Repair and Grouting systems, Carboline Reactamine Joint Sealants and Stonhard flooring products. We are happy to offer a complete survey and installation procedure if required.

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Rev. 04/11

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