

Dowel Basket*

Plate dowel assembly for efficient load transfer in concrete floor and pavement joints

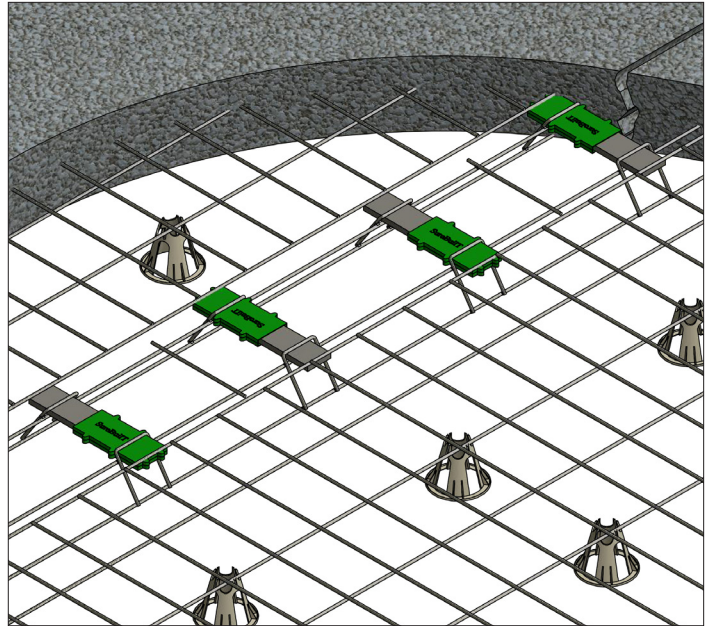
The Dowel Basket provides joint stability, reliable load transfer and smooth slab-to-slab transition, in a single cost-effective assembly.

A properly installed Dowel Basket minimizes joint spalling, eliminates tripping hazards and improves joint filler appearance.

The patent-pending plastic sleeve allows movement and the steel plate provides bearing capacity, without the risk of slab interlock and cracking, to assure a high-quality slab.

A properly installed Dowel Basket is recommended for joints up to 0.20" wide and is suitable for all types of ground level concrete slabs, such as jointed floors, flatwork and pavement.

A Dowel Basket installation conforms to ACI 302.1R Guide for Concrete Floor and Slab Construction and ACI 360 Design of Slabs-on-Ground.



The labor-saving 12' Dowel Basket is placed as a single unit at every planned concrete joint, along with typical chairs and reinforcement.

Dowel Basket				
Part No.	Description (height x length)	Slab	Plate Size	Spacing*
SBDB382S18	SB Dowel Basket 3" x 12'	6"	3/8" x 2" x 12"	18" OC
SBDB382S24	SB Dowel Basket 3-1/2" x 12'	7"	3/8" x 2" x 12"	24" OC
SBDB12212S18	SB Dowel Basket 3-1/2" x 12'	7"	1/2" x 2-1/2" x 12"	18" OC
SBDB12212S24	SB Dowel Basket 4" x 12'	8"	1/2" x 2-1/2" x 12"	24" OC
SBDB34212S18	SB Dowel Basket 4-1/2" x 12'	9"	3/4" x 2-1/2" x 12"	18" OC
SBDB34212S24	SB Dowel Basket 5" x 12'	10"	3/4" x 2-1/2" x 12"	24" OC

* Spacing shown based on ACI 360 Design of Slabs-on-Ground.

* **Dowel Basket sleeve is U.S. Patent Pending**

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Dowel Basket Installation

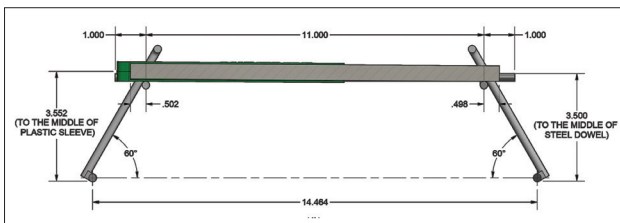
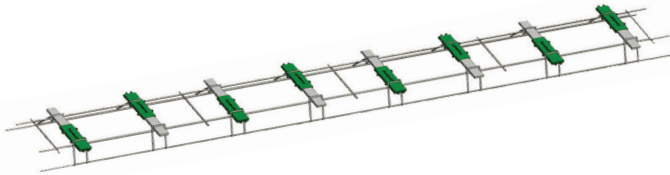
1. Each Dowel Basket should remain parallel in the horizontal plane during placing and finishing operations. Dowels should not be closer than 12" to the intersection of any joint.

2. Stake the Dowel Basket assembly to ensure it remains in the planned joint location. Position and tie the slab reinforcement.

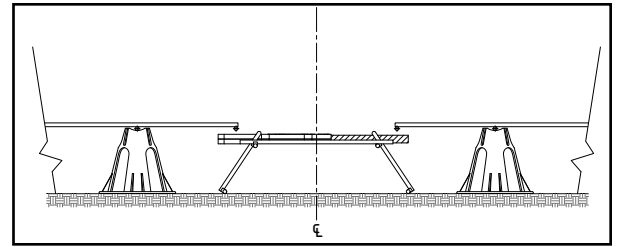
Optional: Cut shipping wires at midpoint to reduce restraining forces at contraction joint.

3. Place concrete normally, completely surrounding each Dowel Basket location. Dowel Baskets require vibration to properly consolidate concrete and eliminate air entrapment. Do not strike or damage Dowel Basket assembly with the vibrator.

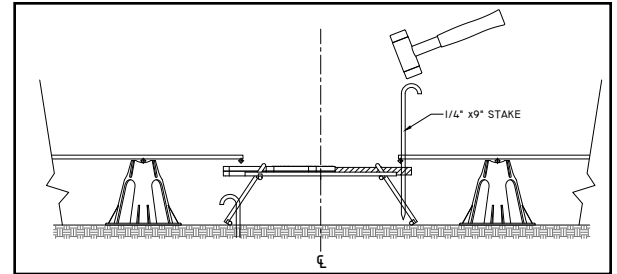
4. When concrete has been finished and reaches sufficient strength, saw cut the joint along the line of each Dowel Basket location.



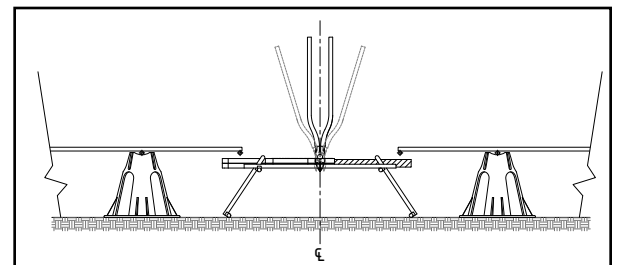
Dowel Basket height is typically the midpoint of the slab. Dowel Basket length is typically 12', but can be cut-to-size. Plates can be 3/8" or 1/2" or 3/4" depending on project requirements, anticipated loads and slab thickness.



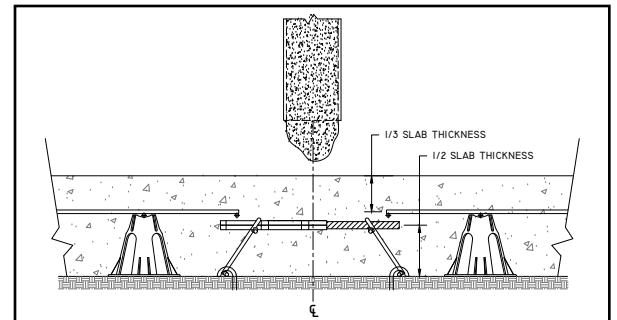
Place basket at each joint.



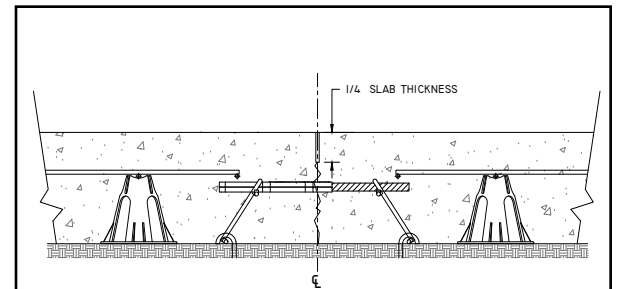
Anchor basket with stake or concrete mud to prevent movement during pour.



Optional: Cut the spacing / shipping wires.



Pour and consolidate concrete.



Saw cut concrete at joint location.

*** Dowel Basket sleeve is U.S. Patent Pending**