



CONCRETE ACCESSORIES

Double Tapered Basket[®]

- Doweling method in accordance with ACI 360 Design of Slabs-on-Ground
- Engineered to provide optimal use of steel
- Design accommodates axial and lateral slab movements more rapidly than other tapered plate basket systems
- The only tapered plate dowel proven to be effective through theoretical analysis and independent testing
- Unique double tapered design provides consistent and increased bearing area at joint face across every dowel (single tapered designs do not)
- Solidly constructed framework to maintain positioning and withstand rigorous jobsite conditions
- Available with a factory-applied debonding agent
- Shipping wires do not have to be cut during placement
- High recycled steel content as valued by LEED without compromising physical properties (LEED - New Construction version 2.2 Rating System: Materials & Resources - Credit 4)

Double Tapered Basket[®]

FOR SAW CUT CONSTRUCTION JOINTS

STEEL OPTIONS:

- All plates are manufactured from steel certified to meet ASTM A36
- For corrosion resistance, plates can also be manufactured from:
- Hot-dipped galvanized steel certified to meet ASTM A123 / A123M and A385; or
 - Grade 304 stainless steel certified to meet ASTM A240

BASKET DIMENSIONS:

- Plate options: 3/8" (or 1/2", or 3/4") x 3" x 12"
- Spacing options: Per spec
- Dowel height: Half slab thickness (typ) or per spec



INSTALLATION GUIDE

1. Measure, identify and mark future saw cut locations on the edge forms. These markings will designate the placement of the basket assemblies and future saw cut locations.
2. Using a string line between designated edge form markings, mark subgrade (using spray paint or similar) for proper installation locations of basket assemblies.
3. Place and secure dowel basket assemblies over the subgrade marks. The centerline of the basket assemblies should be directly over the marked locating lines and the dowels should be kept a minimum of 6 inches away from joint intersections (ACI 302.IR-04 and ACI 360R-10).
4. Ensure a release agent is applied to the dowels in the basket assemblies prior to concrete placement. Note: Shipping wires need not be cut per the January 2005 American Concrete Pavement Association's R & T Update, "Dowel Basket Tie Wires: Leaving Them Intact Does Not Affect Pavement Performance".
5. Place concrete ensuring that basket assemblies maintain proper alignment. Use internal vibration to consolidate the concrete around the dowels as required. Screed and finish the concrete.
6. Snap chalk lines on top of newly placed slab using the edge form markings in Step 1. Along the chalk lines, saw cut the joints to the required depth.

Sika has other doweling systems available for construction, saw cut contraction and expansion joints. Please consult a Sika Engineer for additional information.

SPEED DOWEL[®]



SPEED PLATE[®]



SPEED LOAD



Contact Sika Team 1-800-325-9504 ■ Website usa.sika.com

SIKA CORPORATION

Sika Saint Louis Sales Office
3400 Tree Court Industrial Blvd.
Saint Louis, MO 63122

Contact

Phone: 800 325 9504
Fax: 800 551 5145
usa.sika.com

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