SPEED Loading™ is a single component dowel sleeve for use in expansion joints. SPEED Loading™ passes through pre-drilled expansion boards and has a self-locking design to securely position and align round dowels for positive load transfer. SPEED Loading™ is featured at left with our Polypropylene Expansion Board.

**PRODUCT CODE** | **ROUND DOWEL SIZE** | **SLEEVE LENGTH**
---|---|---
PSD1/2X5LT | 1/2" X 10" Smooth Dowel | 5"
PSD1/2X9LT | 1/2" X 18" Smooth Dowel | 9"
PSD3/4X5LT | 3/4" X 10" Smooth Dowel | 5"
PSD3/4X9LT | 3/4" X 18" Smooth Dowel | 9"
PSD3/4X12LT | 3/4" X 24" Smooth Dowel | 12"
PSD1X9LT | 1" X 18" Smooth Dowel | 9"
PSD125X9LT | 1 1/4" X 18" Smooth Dowel | 9"

Sika Greenstreak also offers **SPEED PLATE™**, a plate dowel system and economical method for achieving positive load transfer and dowel alignment in construction joints.

**DOUBLE TAPERED Basket**

**DOUBLE TAPERED BASKET** is the best choice for achieving positive load transfer in saw cut contraction joints.

Contact a Sika Greenstreak engineer for more information on all of our doweling systems.

**LIMITED WARRANTY:** Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Sika SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. Sika SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

3400 Tree Court Industrial Boulevard
St. Louis, MO 63122 USA
Phone: 800-325-9504 or 636-225-9400
www.Greenstreak.com
SPEED DOWEL® provides a practical dowel alignment method for transferring loads across, and managing stresses within, concrete slab-on-ground joints, while facilitating the following recommendations of the American Concrete Institute:

“In areas subjected to wheeled traffic, heavy loads, or both, joints with load transfer devices are recommended. When positive load transfer is required, provisions should be made along the bulkhead to ensure proper alignment of the load-transfer device during construction and finishing operations.” ACI 360R-10 6.1.2

“For dowels to be effective, they should be smooth, aligned, and supported so they will remain parallel in both the horizontal and the vertical planes during the placing and finishing operation. All dowels should be sawn and not sheared. Properly aligned, smooth dowels allow the joint to open as concrete shrinks.” ACI 330R-08 3.2.7

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

**SPEED DOWEL®** is available for round and square dowels in several sizes. Sleeves and bases are sold separately. Bases are reusable, which should be considered when determining requirements.

**Material Composition** 100% polypropylene

**Compressibility** ASTM D 695 5,500-8,000 PSI

**Density** 0.88-0.92 g/cc

**Fatigue Resistance** Excellent

**Impact/Stiffness Balance** Excellent

*SPEED LOAD™* for Expansion Joints is featured on the back cover.

*Simplified 3-Step SPEED DOWEL® Installation Method*

1. Attach base to edge form and tap on SPEED DOWEL® sleeve
2. Make first placement of concrete
3. Strip form and insert ungeared dowel into SPEED DOWEL® sleeve

**SUGGESTED PROPRIETARY SHORT FORM GUIDE SPECIFICATION SECTION 03252**

Provide SPEED DOWEL® SYSTEM, to accept ____ diameter X ____ long slip dowels (fill in appropriate slip dowel dimensions) by Sika Greenstreak; 3400 Tree Court Industrial Blvd.; St. Louis, MO 63122 USA Phone 800-325-9504 or 636-225-9400.

CSI Format, Three Part Specifications and technical assistance is available at the numbers above.

**SLEEVE PRODUCT CODE**

**ROUND DOWEL SIZE**

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<thead>
<tr>
<th>SLEEVE LENGTH</th>
<th>BASE PRODUCT CODE</th>
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<tbody>
<tr>
<td>9”</td>
<td>PSD/#4BX</td>
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<tr>
<td>12”</td>
<td>PSD/#5BX</td>
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<td>9”</td>
<td>PSD/#6BX</td>
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<td>12”</td>
<td>PSD/#7BX</td>
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**Sleeve**

**SLEEVE PRODUCT CODE**

**SQUARE DOWEL SIZE**

<table>
<thead>
<tr>
<th>SLEEVE LENGTH</th>
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<tbody>
<tr>
<td>20”</td>
<td>PSDQ20BL</td>
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<tr>
<td>305mm</td>
<td>PSDQ20BL</td>
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**Sleeve**

**Product Composition**

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<thead>
<tr>
<th><strong>Compressibility</strong></th>
<th><strong>Density</strong></th>
<th><strong>Fatigue Resistance</strong></th>
<th><strong>Impact/Stiffness Balance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>5,500-8,000 PSI</td>
<td>0.88-0.92 g/cc</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>0.125”</td>
<td>0.075”</td>
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</tr>
</tbody>
</table>

*SPEED LOAD™* for Expansion Joints is featured on the back cover.
SPEED DOWEL® FOR CONSTRUCTION JOINTS

SPEED DOWEL® provides a practical dowel alignment method for transferring loads across, and managing stresses within, concrete slab-on-ground joints, while facilitating the following recommendations of the American Concrete Institute:

“In areas subjected to wheeled traffic, heavy loads, or both, joints with load transfer devices are recommended. When positive load transfer is required, provisions should be made along the bulkhead to ensure proper alignment of the load-transfer device during construction and finishing operations.” ACI 360R-10 6.1.2

“For dowels to be effective, they should be smooth, aligned, and supported so they will remain parallel in both the horizontal and the vertical planes during the placing and finishing operation. All dowels should be sawn and not sheared. Properly aligned, smooth dowels allow the joint to open as concrete shrinks.” ACI 330R-08 3.8.2

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

SPEED DOWEL® for Round and Square Dowels

SPEED DOWEL® provides a practical dowel alignment method for transferring loads across, and managing stresses within, concrete slab-on-ground joints, while facilitating the following recommendations of the American Concrete Institute:

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

“Dowels across pavement joints can provide load transfer while permitting the joints to move. When dowels are used, their correct alignment and lubrication is essential for proper joint function.” ACI 224.3R-95 (Reapproved 2008) 5.2.4.3

SLEEVE PRODUCT CODE ROUND DOWEL SIZE SLEEVE LENGTH BASE PRODUCT CODE

| SLEEVE PRODUCT CODE | ROUND DOWEL SIZE | SLEEVE LENGTH
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>#9TX</td>
<td>1 1/4&quot; Smooth or #9 Rebar X 18&quot;</td>
<td>9&quot;</td>
</tr>
<tr>
<td>#11TX</td>
<td>1 1/2&quot; Smooth or #11 Rebar X 20&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td>#12TX</td>
<td>20mm X 460mm Round Dowel</td>
<td>230mm</td>
</tr>
<tr>
<td>#12TX</td>
<td>20mm X 610mm Round Dowel</td>
<td>305mm</td>
</tr>
</tbody>
</table>

SLEEVE PRODUCT CODE SQUARE DOWEL SIZE SLEEVE LENGTH BASE PRODUCT CODE

<table>
<thead>
<tr>
<th>SLEEVE PRODUCT CODE</th>
<th>SQUARE DOWEL SIZE</th>
<th>SLEEVE LENGTH</th>
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<tbody>
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<td>#3X4TX</td>
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<td>9&quot;</td>
</tr>
<tr>
<td>#3X24TX</td>
<td>3/4&quot; X 24&quot; Square Dowel</td>
<td>12&quot;</td>
</tr>
<tr>
<td>#2X400TL</td>
<td>20mm X 460mm Square Dowel</td>
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<tr>
<td>#3X550TL</td>
<td>20mm X 610mm Square Dowel</td>
<td>305mm</td>
</tr>
</tbody>
</table>

Material Composition 100% polypropylene

Compressibility ASTM D 695 5,500-8,000 PSI

Thickness (Nominal)

- Speed Dowel Sleeve 0.125”
- Speed Load Sleeve† 0.075”

Density 0.88-0.92 g/cc

Fatigue Resistance Excellent

Impact/Stiffness Balance Excellent

*SPEED LOAD™ for Expansion Joints is featured on the back cover.

SUGGESTED PROPRIETARY SHORT FORM GUIDE SPECIFICATION SECTION 03252

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CSI Format, Three Part Specifications and technical assistance is available at the numbers above.

*SPEED LOAD™ for Expansion Joints is featured on the back cover.
SPEED LOAD™ FOR EXPANSION JOINTS

SPEED LOAD™ is a single component dowel sleeve for use in expansion joints. SPEED LOAD™ passes through pre-drilled expansion boards and has a self-locking design to securely position and align round dowels for positive load transfer. SPEED LOAD™ is featured at left with our Polypropylene Expansion Board.

SPEED DOWEL® and SPEED LOAD™ Applications include:
• Warehouse/Distribution Centers
• Big Box Stores
• Manufacturing Facilities
• Commercial/Industrial Complexes
• Entertainment Centers
• Recreational Complexes
• Parking Facilities
• Airports

Sika Greenstreak Polypropylene and High Density Polyethylene Expansion Boards are Ideal for SPEED LOAD™ Applications. Additional product data sheets available upon request.

LIMITED WARRANTY: Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Sika shall not be liable under any legal theory for special or consequential damages. Sika shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others.

Sika Greenstreak also offers SPEED PLATE®, a plate dowel system and economical method for achieving positive load transfer and dowel alignment in construction joints.

Contact a Sika Greenstreak engineer for more information on all of our doweling systems.

SPEED PLATE®
DOUBLE TAPERED Basket®

DOUBLE TAPERED BASKET® is the best choice for achieving positive load transfer in saw cut contraction joints.

PRODUCT CODE ROUND DOWEL SIZE SLEEVE LENGTH
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PSD1X9LT 1" X 18" Smooth Dowel 9"
PSD125X9LT 1 1/4" X 18" Smooth Dowel 9"

SPEED DOWEL® is the pioneering slip dowel installation system that ensures proper dowel alignment for positive load transfer in slab-on-ground concrete joints.

SPEED DOWEL® has revolutionized how the concrete industry designs and constructs joints for superior performance, while slashing the time and cost required for conventional slip dowel installations.

Field-tested for over 20 years, SPEED DOWEL® is THE CHOICE for round and square dowel installations.

SPEED LOAD™ is featured on the back cover and delivers similar benefits for the construction of quality expansion joints.

SPEED DOWEL® and SPEED LOAD™ Applications include:
• Warehouse / Distribution Centers
• Big Box Stores
• Manufacturing Facilities
• Commercial / Industrial Complexes
• Entertainment Centers
• Recreational Complexes
• Parking Facilities
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