



GREENSTREAK GROUP, INC

From the makers of **SPEED DOWEL[®]** and **SPEED PLATE[®]**

DOUBLE TAPERED Basket[®]

Licensed under U.S. Patent No. 6,354,760

You have a **CHOICE!**

Greenstreak's **DOUBLE TAPERED Basket[®]**

The smart and economical choice for saw cut contraction joints

- 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
- **High recycled steel content as valued by LEED** without compromising physical properties (LEED - New Construction version 2.2 Rating System: Materials & Resources – Credit 4)
- Shipping wires do not have to be cut during placement



Slab Depth	Lift Truck Type / Assumed Axle Load	Double Tapered Plate Dowel Dimensions	Plate Dowel On Center Spacing
6"	4,000 lb Standard / 9,700 lbs	3/8" thick X 3" width X 12" depth	26"
6"	8,000 lb Pallet / 7,000 lbs	3/8" thick X 3" width X 12" depth	27"
8"	8,000 lb Standard / 16,600 lbs	1/2" thick X 3" width X 12" depth	27"
10"	8,000 lb Standard / 16,600 lbs	1/2" thick X 3" width X 12" depth	32"
10"	12,000 lb Standard / 23,400 lbs	3/4" thick X 3" width X 12" depth	31"

Source: "Performance-Based Dowel Design", Concrete Construction January 2007

Chart assumptions: soil modulus k : 150 pci, dowel modulus k_0 : 1,500,000 pci, f'_c : 3,500 psi, maximum joint opening z : 0.20", and allowable joint deflection of 0.010"

Consult a Greenstreak engineer to review your specific design parameters or for additional details and documentation for LEED compliance purposes.

***DOUBLE TAPERED* Basket[®]**

Installation Guide

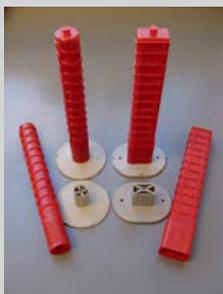
1. Measure, identify and mark future saw cut locations on the edge forms. These markings will designate the placement of the basket assemblies and future saw cut locations.
2. Using a string line between designated edge form markings, mark subgrade (using spray paint or similar) for proper installation 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 302.1R-04 & ACI 360R-06).
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.

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



SPEED DOWEL[®]



SPEED PLATE[®]



SPEED BASKET[®]



SPEED LOAD

Greenstreak holds the following U.S. Patents for these products:

5,678,952 5,934,821 6,145,262 D419,700