



ISOLATORS

The key to effortless, reinforce steel footing & Foundations.

- Helps prevents electrolysis.
- Holds #4 and #5 rebar, eliminating tie wire.
- Sturdy steel pins, readily driven into hard ground.
- Labor saving, quick & easy installation.

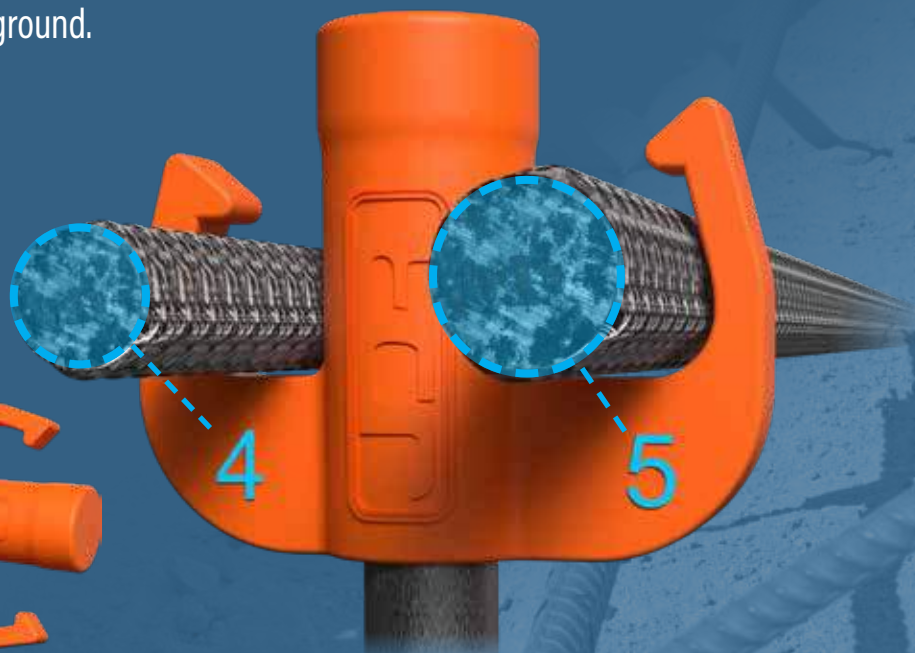


PLASTIC ISOLATOR

Supports #4 and #5 rebar.

Will not rust or corrode.

FITS **2** Rebar Sizes



THE J D RUSSELL COMPANY

(800) 888-7452 jdrussellco.com

TECHNICAL DATA SHEET



DESCRIPTION

DuraDowel is a two-component product consisting of a plastic sleeve and a 4.5" x 4.5" steel plate that is designed to transfer loads at the joints of concrete floor slabs.

The DuraDowel system provides stability at the concrete joint by allowing the positive transfer of load to offer a smooth slab-to-slab transition.

APPLICATION

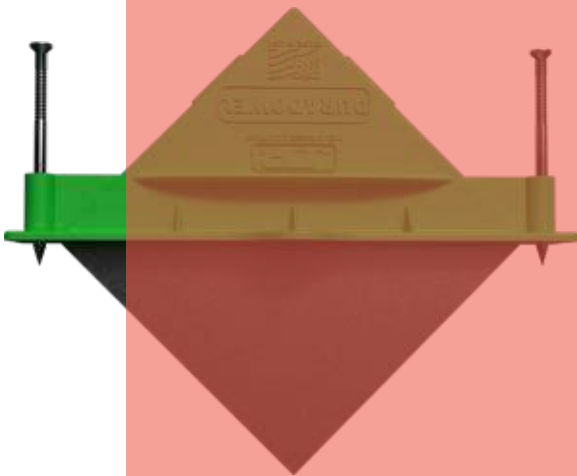
DuraDowel is used when a slab-to-slab transition occurs and stability of the concrete joint is required. The plastic sleeve is nailed to lumber edge forms and a steel plate then slides into the sleeve.

PRODUCT SPECIFICATION

DuraDowel is recommended for joints up to .20" wide and can be used in concrete slabs such as jointed floors and flat work.

When properly installed, DuraDowel conforms to ACI 302.1R and ACI 360.

Steel plates conform to ASTM A36 requirements for 36 KSI minimum yield strength material.



FEATURES

- Integrated nails go into the sleeve allowing for faster installation to the form work
- Strip version has multiple pockets allowing for faster installation.
- Slab-to-slab trip hazards are minimized
- 3 different plate thicknesses with color coded sleeves for ease of use
- All plate dowels are 4.5" x 4.5" square

TECHNICAL DATA



DuraDowel System - Sleeves and Plates

Part Description	Slab Thickness	Spacing
1/4" Sleeve (Orange)	5" to 6-1/2"	18"
1/4" Steel Plate	5" to 6-1/2"	18"
3/8" Sleeve (Yellow)	7" to 9"	18"
3/8" Steel Plate	7" to 9"	18"
3/4" Sleeve (Green)	9" to 12"	18"
3/4" Steel Plate	9" to 12"	18"

INSTALLATION



1. Select the appropriate size DuraDowel based on thickness of slab.
2. Align DuraDowel Sleeve in the vertical center of the form.
3. Using a hammer, attach the integrated nails into the form work.
4. After the concrete is poured and the form work is removed, simply slide the steel plate into the sleeve void in preparation for the adjoining slab.

ORDERING INFORMATION



Product Code	Description	Product Code	Description
DD14SL	1/4" ORANGE SLEEVE	DD34STRIP12 <small>12" spacing, 10 per 10' strip</small>	3/4" GREEN STRIP 12"
DD38SL	3/8" YELLOW SLEEVE	DD34STRIP18 <small>18" spacing, 6 per 9' strip</small>	3/4" GREEN STRIP 12"
DD34SL	3/4" GREEN SLEEVE	DD34STRIP24 <small>24" spacing, 5 per 10' strip</small>	3/4" GREEN STRIP 12"
DD14STRIP12 <small>12" spacing, 10 per 10' strip</small>	1/4" ORANGE STRIP 12"	DD144545	1/4" STEEL PLATE
DD14STRIP18 <small>18" spacing, 6 per 9' strip</small>	1/4" ORANGE STRIP 18"	DD344545	3/8" STEEL PLATE
DD14STRIP24 <small>24" spacing, 5 per 10' strip</small>	1/4" ORANGE STRIP 24"	DD384545	3/4" STEEL PLATE
DD38STRIP12 <small>12" spacing, 10 per 10' strip</small>	3/8" YELLOW STRIP 12"	 DURA DOWEL  DURA DOWEL Strip  STEEL DOWELS	
DD38STRIP18 <small>18" spacing, 6 per 9' strip</small>	3/8" YELLOW STRIP 18"		
DD38STRIP24 <small>24" spacing, 5 per 10' strip</small>	3/8" YELLOW STRIP 24"		

Rev. 01/2026



jdRussellco.com
contact@jdRussellco.com

P.O. Box 36795, Tucson, AZ 85740
(520) 742-6194 • Fax (520) 293-2202

