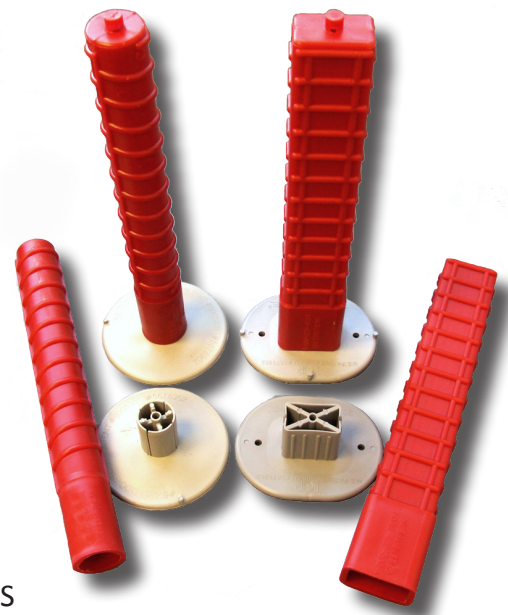


SPEED DOWEL

PATENTED CONCRETE DOWELLING SYSTEM



FREQUENTLY ASKED QUESTIONS

Are SPEED DOWELS and SPEED LOADS sold with steel dowels?

No, steel dowels need to be sourced separately. SPEED DOWELS and SPEED LOADS are dowel alignment sleeves in construction and expansion joints respectively.

Do I need to grease the SPEED DOWEL or SPEED LOAD dowels?

No, the SPEED DOWEL and SPEED LOAD sleeves allow the dowel to move axially in the sleeve as the concrete shrinks.

When do I use a square SPEED DOWEL sleeve?

Square SPEED DOWEL sleeves may be used for dowel alignment in any construction joint. However, it is frequently specified for use in retrofit applications since the square SPEED DOWEL sleeve is actually rectangular with compressible ribs to center the dowel. These rectangular sleeves offer both axial and lateral movement potential between new and existing concrete and was a predecessor to plate dowel systems, such as Sika Greenstreak's [SPEED PLATES](#).

How do I space SPEED DOWELS or SPEED LOADS in a joint?

The best resource is to ask the Engineer of Record as it is their responsibility to know the slab design parameters. However ACI 360 Design of Slabs-on-Ground would suggest round dowels be spaced at 12" on center, and square dowels at 14" on center for less than 9" thick slabs and 12" on center for 9" thick slabs and greater. Please note that there is a footnote to ACI 360 Table 6.1 that says "Dowel spacing up to 24 in. for round, square, and plate dowels have been used successfully."

Why are the bases sold separately for the SPEED DOWEL System but not the SPEED LOAD System?

Since SPEED DOWELS are used at construction joints, the bases are attached to the form board, which is removed after the first concrete placement. Please note that these bases may be reused. SPEED LOADS are a single-component system since they are installed through an expansion board in an expansion joint. The SPEED LOAD base helps ensure alignment by resting fully against the expansion board.