

PRODUCT DESCRIPTION

Flange dowel boxes are made from galvanized steel and can incorporate compressible foam inside box to allow for lateral movement. They are designed for attachment to metal or wooden formwork by use of a nailing flange. Flanged dowel boxes allow for initial shrinkage and then provide capacity for the ongoing thermal expansion and contraction of the joint. They too cater for excess lateral movement between adjoining and traversing slab panels. Flanged dowel boxes are designed for construction joints in both ground and elevated slabs. Custom sizes can be manufactured on request.

BENEFITS

- Engineered for post tension joint applications with large shrinkage potential
- Allows for bi-directional movement in the horizontal plane
- Reduces risk of restraint
- Simple nail or screw on installation.
- Eliminates the need to drill or treat formwork.
- Reduced likelihood of sleeve knocks when placing steel reinforcement mesh.

AREAS OF APPLICATION

- Suitable for construction, contraction and expansion joints on most industrial, commercial or civil sized ground or elevated slabs

INSTALLATION

1. Mark the form for slab centre and Flanged Dowel Box spacing (typically 450 mm to 600 mm).
2. Place the Flanged Dowel Boxes over the set of marks, lining up the location notches on the flange with the marks.
3. Using nails or screws, attach the base to the form. Ensure nailing plate is parallel to the top of the slab.
4. Pour concrete. Consolidate concrete edge by vibrating around the Flanged Dowel Box. Avoid contact with sleeve.
5. Strip the form from the boxes.
6. Insert the dowel into the sleeve through the body of the box within 36 hours of the concrete pour. The second pour can now be made.

DRAWINGS

