



DOWEL ALIGNERS

PNA's Dowel Aligner is a simple plastic component used to maintain the correct alignment of round or square dowels. An oversized hole is drilled in the form and the Dowel Aligner is pushed into the hole then nailed (duplex nails work best) securely to the form. The dowel is inserted and held securely by the Dowel Aligner during all concreting procedures. The nails can be pulled and the Dowel Aligner removed to facilitate form removal. The oversized hole in the form around the dowel allows the form to be removed without spinning and pulling the dowels. This in turn prevents the cone shaped void that is created by the spinning of dowels in green concrete thus reducing the dowels load transfer effectiveness.

Example specification...

- Dowels will be saw cut (not sheared) from hot rolled bar per ASTM A36 to within 3/16" of specified length.
- Dowels will be installed to within + or - 1/4" of mid slab depth.
- Minimum embedment into each slab will be equal to half dowel length + or - 1".
- Round dowels should be placed no closer than 12" (300mm) from the intersection of any joints.

All round dowels will be installed in formed construction joints using 'Dowel Aligner' devices as manufactured and supplied by PNA Construction Technologies Inc. 1 800 542 0214

