

QuickeyTM (US Patent Number 6502359) Metal Keyed Control Joint System

Square dowel knockouts

can be used for square or round dowel bars. Dowel Stake quickly interlocks at knockouts are on 6" any point with key joint, centers. Knockout sizes reducing time to place meet both ACI and PCA stakes precisely. recommendations A 1:4 slope makes Stiffening ribs are QuicKev^{†M} the only designed for metal key joint that meet increased strength both ACI and PCA and rigidity while recommendations installing. The continuous Inserting LOCKING edge on the key TAB™ stakes joint assures the produces an audible positive interlock click which indicates between the the interlock between stake and kev stake and key joint. ioint. QuicKey™ QuicKey™ nonremovable cap removable cap yields straight seals the joint void ready for because it stays

SPECIFICATION SHEET

07/2008

Advantages:

- QuicKeyTM is the only galvanized joint system that features knockouts for square dowels, which provide better load transfer over round dowels and also reduce edge curl of the slab.
- Knockout sizes meet both ACI and PCA recommendations for the design of tongue and groove key joint.
- Tongue and groove design provides excellent load transfer characteristics for heavy, wheeled traffic and prevents uneven settling associated with aggregate interlock
- LOCKING-TAB™ stakes provide a positive interlock between stake and key joint that eliminates floating or rising from the stake, minimizing high spots. The stake profile features a non-twist design which allows the stake to be driven at a straight angle.
- Saves on installation time ... stake quickly interlocks at any point with key joint, reducing time to place stakes precisely.
- Eliminates costly form stripping and saw cutting. Replaces the slow and costly method of checker-board placement of concrete.

Installation:

- Space joints as indicated on drawings, as called for in specifications or as recommended by either ACI or PCA.
- With elevation checked by instrument, stretch a line the length of the joint and set the line at the finished elevation. If cap is used, drive stakes 3/16" deeper.
- Install intermediate stakes on 2' centers ... 5 stakes per 10' section. Drive stakes to bottom of the line. Additional stakes shall be used with the remaining slots for support if soil conditions require.
- Hang key joint on stakes and push downward. Locking tab stakes will product an audible click indicating a positive interlock. Stake clips and splices are available if needed.
- With continuous placement, concrete shall be placed to full depth simultaneously on both sides of joint. When QuicKeyTM is used as a bulkhead or in a construction joint, knockouts shall be bent at 45 degrees into the concrete.
- Finish the concrete flush to the top edge of the key joint.
 Be sure the concrete fills key without void or honeycomb.

Product Specifications:

sealing.

General:

- Construction Joints
- Control Joints

QuicKeyTM is a stay in place metal keyed control joint former for use in concrete flatwork as a control or construction joint. When indicated on drawings or called for in specifications, the contractor shall furnish and install QuicKeyTM joint system as manufactured by BoMetals, inc., Carrollton, Georgia.

in place.

Material:

QuicKeyTM is manufactured of 24 gauge, hot dipped, galvanized steel. It is furnished in 10' lengths for 4", 5", 6" and 8" and 10"-12" slabs. Each piece is punched on 6" centers with dowel rod knockouts and each piece has ribs formed into it for rigidity. Special manufacturing techniques produce a continuous edge that assures the key joint has a positive lock with the tab on the stake. LOCKING-TABTM stakes are manufactured from 13 gauge HRPO steel and are available in 12", 15", 18", 24" and 30". The removable cap measures 13/32" x 1/2". The non-removable cap measures 5/8" x 5/8". Both are manufactured of PVC compounds.

Dimensional Specifications:

^ ^ ^ ,	Slab Thickness	A	В	С	Knockout Size
B A ♥	4"	3 1/8"	2"	3/4"	7/8" x 1 3/8"
	5"	4 1/8"	2 1/2"	3/4"	7/8" x 1 3/8"
	6"	5 1/8"	3"	3/4"	1 1/4" x 1 1/2"
c	8"	7 1/8"	4"	1"	1 1/4" x 1 1/2"
	10" - 12"	9 1/8"	5"	1"	1 1/4" x 1 1/2"

141 Hammond Street • Carrollton, Georgia 30117 • 770.832.2000 • 800.862.4835 • FAX 770.832.2095 Visit our website @ www.bometals.com • Address email to info@bometals.com