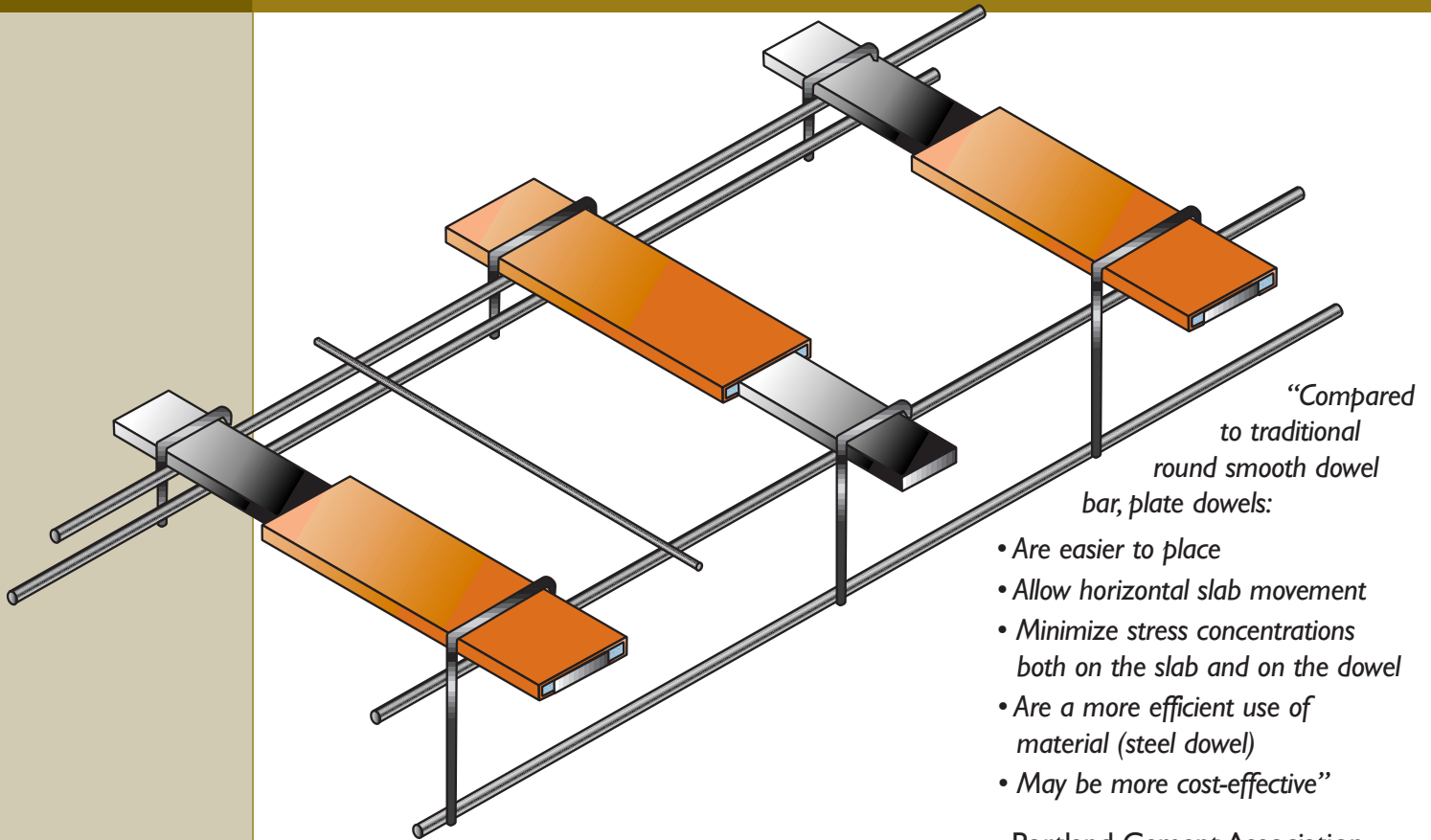




Load Plate Baskets™

For Sawed Contraction Joints

FEATURES & BENEFITS



Portland Cement Association,
“Concrete Floors on Ground” (2002)

Features / Benefits

Better Engineering

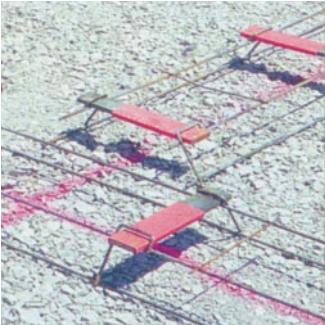
- The load plate dowel optimizes the use of steel material by increasing the bearing area, thus reducing the bearing stress in the concrete.
- Load-Plate Baskets™ are designed to allow for up to 15° misalignment during construction while still allowing opening of the sawed contraction joint without restraint.
- The unique PNA clip provides compressible foam on each side of the plate dowel permitting movement parallel and perpendicular to the joint. This eliminates restraint between two slab panels moving independently from differential shrinkage and contraction.
- Plate dowels with foam side clips can be located within inches of a joint intersection while still providing free slab panel movement, assuring

quality load transfer where differential slab movement and curling is greatest.

Faster, easier installation

- All PNA dowel basket assemblies are fully welded, offering the most stable support of the dowel during construction, while insuring the long-term activation of the sawed contraction joint.
- Plate clips are attached at the factory and are supplied as part of the assembled basket.
- All PNA dowel baskets are bundled and shipped on individual skids to provide easy unloading and handling.
- Load Plate Baskets™ can be custom manufactured to specific lengths, to minimize or eliminate field cutting.*

* Additional cost may apply

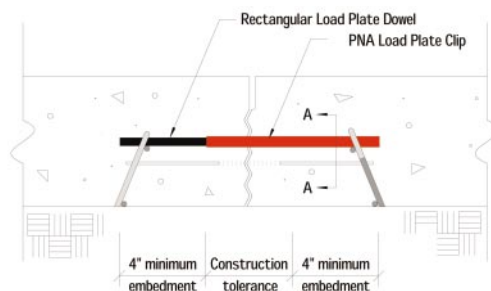


Load Plate Basket™

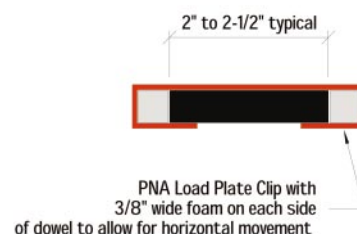
F O R S A W E D C O N T R A C T I O N J O I N T S

SPECIFICATIONS

Section at Sawed Joint



Load Plate Dowel Section (A)



More cost effective

The optimized configuration of the load plate dowel provides superior performance at wider dowel spacing. Thus, Load Plate Baskets™ are less expensive than round or square dowel baskets designed per ACI specifications.

Performance Conversion Table

Load Plate Basket™	Round Dowel Basket
2" x 3/8" x 12" @ 19" o/c	3/4" x 16" round @ 12" o/c
2" x 3/8" x 12" @ 24" o/c	3/4" x 16" round @ 18" o/c
2.5" x 1/2" x 12" @ 18" o/c	1" x 18" round @ 12" o/c
2.5" x 1/2" x 12" @ 24" o/c	1" x 18" round @ 18" o/c

Example Specification...

- Load Plates will be saw cut from hot rolled plate per ASTM A36 to within 3/16" of specified length (normally 12").
- Side frame supports will be fabricated from 1/4" diameter cold drawn wire per ASTM A108 grade 1010-1020.
- Load Plates will be welded (on one end only) into the side frames, with the welds alternating along the length of the assembly.
- Specially designed plastic clips with compressible side material will be fitted to the free end of the Load Plate and should extend to within plus or minus 3/16" of 2/3 the bar length.
- Eight gauge wires will be welded across the side frames at approximately 3' on center to keep the assembly stable during shipping and installation.
- The finished assembly will hold the Load Plates to within plus or minus 1/8" of 1/2 the slab depth.
- The assemblies will be manufactured so that they stack on top of each other for transportation and remain stable under concrete placement.
- All Load Plate Baskets™ will be supplied by PNA Construction Technologies Inc. 1800 542 0214.

PNA
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