

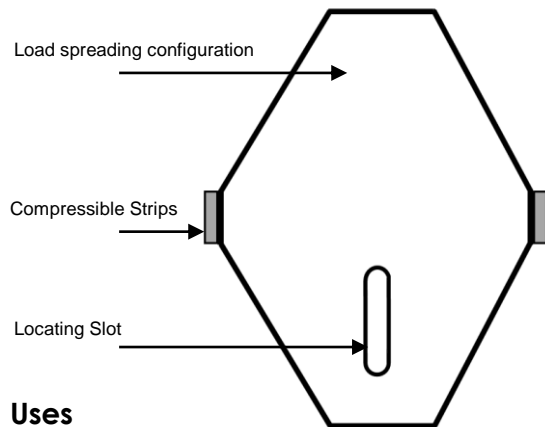
The Octodowel

A load plate connector for construction joints in concrete slabs

The Octodowel system provides precision installation and simplified accuracy checks

Description

The Samson **Octodowel** is a patented, registered design 5mm thick commercial steel plate, cut to the profile pictured below.



Uses

The **Octodowel** installed in the Samson method, prevents differential elevations developing at construction joints in juxtaposed concrete slabs.

ACI Committee 302, no longer recommends the use of formed interlock at construction joints and plate dowels are considered the most effective method of connecting concrete slabs. Samson has identified five critical factors for the construction of failure free construction joints.

The compressible strips accommodate lateral shrinkage stresses and therefore Octodowel may be installed in both directions of construction joints.

The **Octodowel** is the most effective and low cost method of employing plate dowel concepts and when installed utilising the Samson techniques for failure free construction joints contributes significantly to durable concrete floor installation.

Patent

The **Octodowel** is protected under South African Patent number : 2006/10610

Procurement

The **Octodowel** is only available from Samson Technologies c.c.

Octodowel is a component of the Samson "OmniTech" system for fine quality, durable concrete floors.

Spacing

Recommended spacing is per the ACI Committee 302.1R-13 report, Table 3.1

Slab depth	Spacing (centre to centre)
Less than 200mm	450mm
More than 200mm	500mm

Installation Procedure

The Octodowel is inserted into a 6mm x 126mm slot provided in the formwork at the desired depth of cover.

Angle iron locators and 8mm allen key connectors are used to hold the dowel in the desired position.

A bond-breaker is applied on the side of the first pour, which allows the dowel to be extracted for form work removal. The Octodowel is then re-inserted into the formed pocket of the first pour and is then ready for the second pour. Second pour paste fills the Octodowel slot and locks it into place.



Samson Technologies cc

Unit 4, Trevallyn Park East, Hyskraan Close, Kya Sands, Randburg, ZA

Tel: +27 (0)11 462 2666 Email: info@samson.co.za Web: www.samson.co.za

Warranty

Samson warrants that its products will perform as declared in its literature and this warranty extends only to the replacement of any of its products that may be proven to be defective.

Disclaimer

Samson Technologies retains the right to change any information in our literature, at any time, without prior notification.