



Section 8 – Bridge Joints

Strip Joint Seal Assembly

XS Sheet Numbers

XS8-010

Description of Component

The strip joint seal assembly can accommodate longitudinal movements and some limited movements in the transverse direction

Standard Drawing Features

The strip joint assembly consists of two edge beams with anchor studs and the elastomer gland (one joint cell). The assembly is placed in recesses over joint openings

Design/General Notes

- The joint opening at installation W is given by the formula:

$$W(\text{inches}) = 0.5 + [\text{max. str. temp}(\text{°F}) - (\text{actual. str. temp}(\text{°F}))](\text{coef})(12)(\text{contributory. length}(\text{feet}))$$

where *coef* is the thermal coefficient and is equal to 0.0000060 for concrete and 0.0000065 for steel.

- The minimum joint opening is equal to 0.5 inch at max structure temperature.
- Designer must replace " 2" Clr Min, Typ" in "SECTION A - A" with actual dimension.

Contract Specifications

Current Standard Specifications are available from the Division of Engineering Services (51-2 Joints)

Restrictions on Use of Standard Drawings

The Strip Joint Seal Assembly may be used for Movement Range (MR) up to 4 inches regardless the skew at joint location