

## Iso-Flex® Steel Strip Seal Expansion Joint System

### PRODUCT DESCRIPTION

The Iso-Flex Steel Strip Seal Expansion Joint System is an extruded, elastomeric rubber material that mechanically locks, and is bonded, into a steel retainer. When properly installed, this system provides an excellent barrier against the intrusion of moisture and debris into an expansion joint gap.

### BASIC USES

The Iso-Flex Steel Strip Seal Expansion Joint System is used to seal expansion joints located in heavy, high volume, high-speed traffic areas in parking structures, bridges, stadiums, and other types of concrete structures.

### ADVANTAGES

- The rubber seal is mechanically locked and bonded into a steel retainer to form a barrier against the intrusion of water and debris.
- The Iso-Flex Steel Strip Seal Expansion Joint System can be fabricated to accommodate any type of angle, such as skews, sidewalks, parapets and medians while still maintaining its water tight integrity.
- The system can accommodate movement ranges up to 3”.
- Unique design allows for easy installation of the seal element.
- The Iso-Flex Steel Strip Seal Expansion Joint System utilizes the Iso-Flex 900 Elastomeric Concrete Header System when the sinusoidal anchorage design is incorporated.
- Alternative anchorage concepts can be utilized including; weldment to angles and plates, shear stud anchors and loop type anchors.

### ISO-FLEX THERMOPLASTIC SEAL

#### Technical Data From Laboratory

#### Tests

(Field Properties May Vary)

Property	Test Method	Test Results
Material		Thermoplastic Rubber
Hardness	ASTM D2240	64A ± 3
Specific Gravity	ASTM D297	.97 ± 2
Tensile Strength	ASTM D412	1000 psi
Ultimate Elongation	ASTM D412	400%
Brittle Point	ASTM D746	-76%
High Temp. Recovery (70 hours @ 212°F)	—	82%

### INSTALLATION

**Preliminary:** Protect all expansion joint component parts from damage during placement of concrete and work in adjacent areas.

**Preparation:** The expansion joint seals must be properly sized for the joint gap opening. The joint systems must be set to the proper width for the ambient temperature at the time of installation. Properly align all steel extrusions and shapes prior to field welding operations to ensure proper joint performance and watertightness.

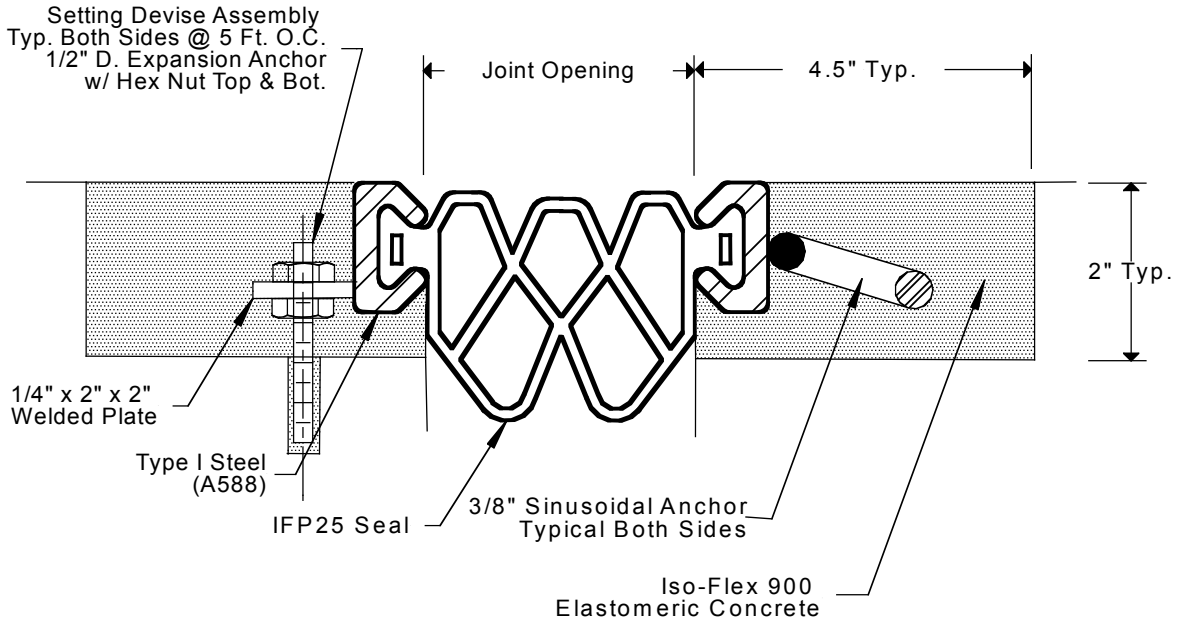
**Installation:** The Iso-Flex Strip Seal Expansion Joint System shall be installed in strict accordance with the manufacturer’s typical details.

**PRECAUTIONS** To ensure safe installation of the Iso-Flex Steel Strip Seal Expansion Joint System, please refer to the Material Safety Data Sheets (MSDS) that accompany each product shipment.

**WARRANTY**

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in

accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.



SEAL TYPE	MOVEMENT RANGE	JOINT OPENING SIZE	
		Minimum	Maximum
IFP25	3.000	1.000	4.000
	76.200	25.400	101.600

Revised: 8/09

**LymTal International, Inc.**

4150 South Lapeer Road • Lake Orion, MI 48359 • Tel (248) 373-8100 • Fax (248) 373-3480 • www.lymtal.com