



**We make
highways
talk™**

- **MANAGEMENT**
- **SAFETY**
- **PRESERVATION**

International Road Dynamics Inc. develops and maintains traffic management products and systems technology that make highways talk. What are they saying? They are providing information that roadway administrators need to manage traffic, preserve infrastructure and provide safety warnings to drivers.

IRD's multi-discipline, innovative and customer-focused team is expert in advanced technologies, advanced traffic solutions and custom-designed systems.



**CUSTOMER
DRIVEN™**

APRIL, 2014 REV. E
PRINTED IN CANADA

DYNAX® Treadles For Toll Roads

IRD DYNAX® treadle systems are axle sensing devices consisting of DYNAX® sensors mounted in a metal frame. The metal frame is installed directly into either asphalt or concrete, allowing for simple, individual sensor replacement. DYNAX® sensors are secured by removable clamping bars eliminating the need for subsequent roadway excavation during maintenance, making them ideal for use in toll and traffic monitoring applications.

The individual DYNAX® sensors are pressure sensitive strips unaffected by speed variations, perfect for stop-and-go traffic conditions. Combined with other systems, DYNAX® sensors can be used to detect and classify vehicles. Standard DYNAX® sensors detect axles, while Single/Dual sensors can detect number of tires per axle.



FEATURES & BENEFITS

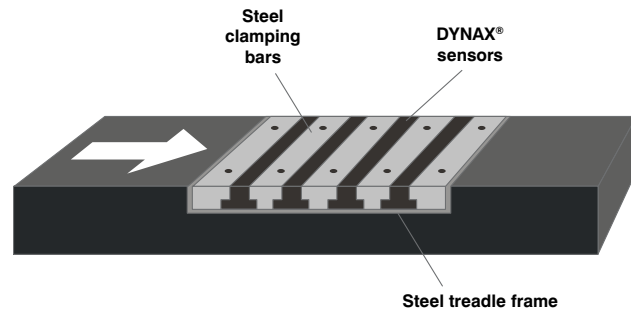
- Speed independent
- Works with stop-and-go traffic
- Many options for configuration
- DYNAX® sensors are compatible with most treadle systems
- Convenient maintenance
- Shallow body depth for low profile installations, including bridge decks

DYNAX® TREADLES

General Specifications

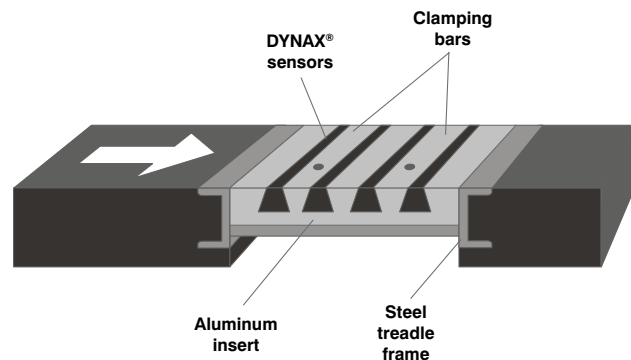
T-Shaped Sensor Models

- High strength steel single piece structure
- Convenient maintenance
- Fewer parts means lower maintenance costs
- Inverted locking mechanism
- Various DYNAX® sensor lengths and models available



Keystone-Shaped Sensor Models

- Two piece construction: aluminum insert and steel frame
- DYNAX® sensors are installed in a durable treadle insert and frame
- Treadle insert and sensors can be retrofit into existing frames
- Various DYNAX® sensor lengths and models available



MODELS AVAILABLE

Treadles:

Sensors	Model	Width
4	AS410/AS411/AS611	8ft (2.44m)
4	AS415/AS416/AS616	10ft (3.05m)
4	AS440/AS431/AS631	8ft (2.44m)
4	AS441/AS437/AS637	10ft (3.05m)
3	AS430/AS431/AS631	8ft (2.44m)
3	AS439/AS437/AS637	10ft (3.05m)
2	AS438/AS431/AS631	8ft (2.44m)
2	AS435/AS431/AS631	10ft (3.05m)

Other DYNAX Sensors:

Sensors	Model	Width
1	AS443	6ft (1.83m)
1	AS409	8ft (2.44m)

Grout in Place DYNAX Sensors:

Sensors	Model	Width
1 (GIP)	AS400	8ft (2.44m)
1 (GIP)	AS405	10ft (3.05m)
1	AS442	1.5ft (0.46m)



International
Road Dynamics Inc.



Corporate Office

702 - 43rd Street East
Saskatoon, Saskatchewan
Canada S7K 3T9
Tel: +1(306) 653-6600
Fax: +1(306) 242-5599
Toll Free: 1-877-444-4IRD (4473)
Email: info@irdinc.com

U.S. Office

2402 Spring Ridge Drive, Suite E
Spring Grove, IL
USA 60081
Tel: +1(815) 675-1430
Fax: +1(815) 675-1530



Publicly Traded on the TSX (Symbol IRD)
Find out more about IRD on our website: www.irdinc.com

IRD products and components are protected by one or more worldwide patents and/or trademarks.
IRD reserves the right to change, modify, or improve its products at any time without notice.

PRINTED IN CANADA