STRUCTURAL BEARINGS AND EXPANSION JOINTS
FOR BRIDGES AND BUILDINGS
MASTER THE MOVEMENTS OF YOUR STRUCTURE WITH GOODCO Z-TECH
BETTER BUILDING SOLUTIONS

With more than 60 years of experience, Goodco Z-Tech is the leading manufacturer of structural bearings and expansion joints in Canada. Supported by a highly skilled and competent team, and relying on state-of-the-art equipment, Goodco Z-Tech designs and manufactures a broad range of products for highway and railway bridges and other civil engineering structures in steel or concrete.

QUALIFICATIONS

- W59: Welded Steel Construction (Metal Arc Welding)
- W47.1 (Division 1): Certification of Companies for Fusion Welding of Steel Structures
- W186: Welding of Reinforcing Bars in Reinforced Concrete Construction

Thousands of bridges in Canada are equipped with Goodco Z-Tech structural bearings and expansion joints. These products are designed and manufactured in compliance with the most recent Canadian, American or European standards.

Goodco Z-Tech plant | Laval, QC
The Goodco Z-Tech plant includes 70,000 square feet (6,500 m²) of indoor production space and a lifting capacity of 60 tons.
HIGHWAY BRIDGES, RAILWAY BRIDGES, VIADUCTS, BUILDINGS, STADIUMS, OIL RIGS OR OTHER CIVIL ENGINEERING PROJECTS

STRUCTURAL BEARINGS TAILORED TO YOUR PROJECTS

All Goodco Z-Tech structural bearings are custom-fabricated according to the specific requirements of your structure. Our experienced engineers will help you to choose and design the type of bearing that is best suited to your project for optimum structural performance:

**ELASTOMERIC BEARINGS**
- Plain bearings – Series E
- Laminated bearings – Series EL
- Duck cloth reinforced bearings – Series EF
- Homogeneous fiber bearings – Series ER
- Seismic and vibration isolation bearings
- Thin sliders

**HIGH-LOAD BEARINGS**
- Pot bearings (confined elastomeric bearings)
- Spherical bearings
- Cylindrical bearings
- Seismic isolation bearings
- Shear keys

Goodco Z-Tech spherical bearings are the best choice for applications where heavy loads and large rotations must be accommodated. They are found on many high-profile stadiums and highway and railway bridges, among other structures.
Quality and expertise

All Goodco Z-Tech structural bearings are designed and manufactured to close tolerances by a highly skilled team that is committed to the success of your project.

Pot bearing assembly  I  Highway 407, ON

Goodco Z-Tech offers a complete range of fixed, multidirectional and unidirectional (edge-guided or center-guided) pot bearings.

Seismic isolator  I  Bostonnais River Bridge, QC

Goodco Z-Tech seismic isolation bearings are a custom-made solution for applications that require a special device that is capable of preventing your bridge or building project from collapsing in the event of an earthquake. The seismic isolator pictured above was designed to decouple (isolate) the bridge deck from the bridge substructure in order to significantly reduce the forces transmitted from the ground during earthquakes.
EXPANSION JOINTS DESIGNED TO MEET THE STRUCTURAL CHALLENGES OF YOUR PROJECT

All Goodco Z-Tech expansion joints are custom-fabricated according to the specific requirements and the desired range of movement of your structure. Our dedicated team of engineers and technicians can help you to choose the right type of joint for your structure:

SINGLE CELL JOINTS
• Strip seal joints – Series 1000
• Goodflex bolt-down strip seal joints
• Compression seals

MODULAR JOINTS
• Single support bar system – LG
• Multiple support bar system – LR

FINGER JOINTS
• Manufactured according to the project specifications

HIGHWAY BRIDGES, RAILWAY BRIDGES, VIADUCTS, FOOTBRIDGES, MULTI-STOREY PARKING FACILITIES, DAMS OR OTHER CIVIL ENGINEERING PROJECTS

Goodco Z-Tech manufactures this new generation of expansion joints for many bridge projects commissioned by the Quebec Ministry of Transportation.
These 40-ton joints allow for up to 1,343 mm of movement (ULS).

Finger expansion joints are still used today for their robustness and durability. Goodco Z-Tech’s technical team has the expertise necessary to fabricate the model that is best suited to your project.

Type A bolt-down joint  |  Goodflex
This joint was specifically designed to meet the technical standards of the Ontario Ministry of Transportation. It is supplied with an epoxy injection system located under each angle section, thereby ensuring the watertightness of the concrete shoulders.

LX-14 modular joint  |  A. Murray Mackay Bridge, NS
These 40-ton joints allow for up to 1,343 mm of movement (ULS).
Structural bearings and expansion joints customized to your project

Arthur-Sauvé Bridge, QC

This newly reconstructed steel bridge includes 79 pot bearings of various types and two LG-4 modular expansion joints, specifically designed by Goodco Z-Tech to accommodate seismic movements.

COMPLEMENTARY SERVICES

Goodco Z-Tech manufactures many types of expansion joints for multi-level parking garages.

Watertightness test following the installation of a type HSS expansion joint.

Our teams of specialized technicians install strip seals on the job site. We also offer a complete installation service for joints.

Structural bearings and expansion joints customized to your project | Arthur-Sauvé Bridge, QC

This newly reconstructed steel bridge includes 79 pot bearings of various types and two LG-4 modular expansion joints, specifically designed by Goodco Z-Tech to accommodate seismic movements.
Spherical bearings with special devices I BC Place, BC

Goodco Z-Tech supplied 36 spherical bearings installed under each of the 36 masts supporting the stadium’s new retractable roof.

Montréal
807, rue Marshall, bureau 100
Laval (Québec) H7S 1J9
Telephone: 450-786-1300
Toll-free: 1-800-361-3510 (CAN)
Fax: 450-786-1301

Toronto
1739 Drew Road
Mississauga (Ontario) L5S 1J5
Telephone: 905-671-3400
Fax: 905-671-3924

Vancouver
95 Schooner Street
Coquitlam (British Columbia) V3K 7A8
Telephone: 604-524-0064
Toll-free: 1-866-203-2001 (CAN)
Fax: 604-523-2181

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