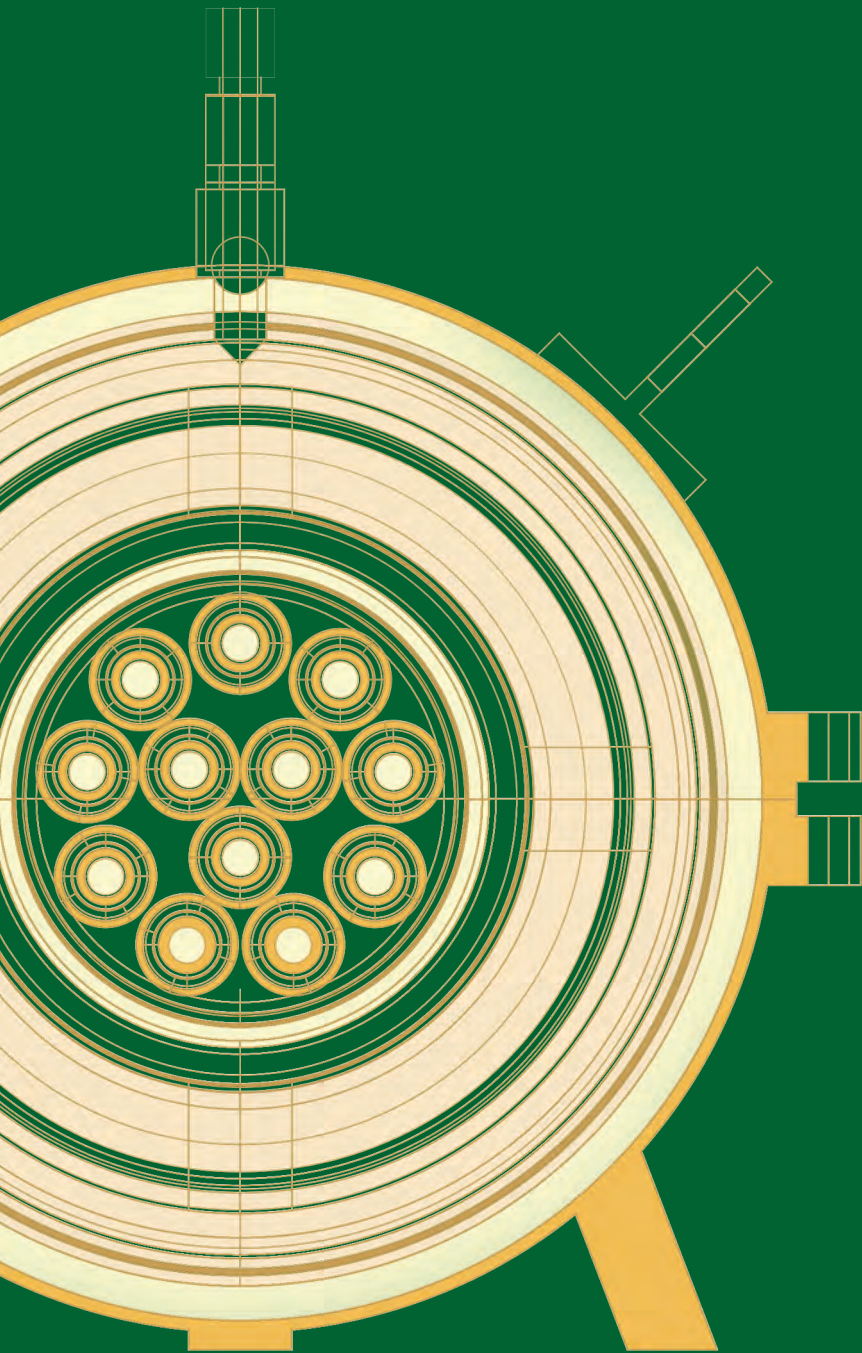


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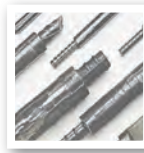
Art & Engineering  
in Bridges





### Structural Design

Prestressed Concrete, Concrete-Steel Composites Bridges. Buildings, Silos & Tanks. Value and Construction Engineering.



### Rebar Splicing

With cold-swaged Couplers, #4 to #18 rebar sizes.

**DEL**



### Post-tensioning

Multistrand with tendon capacities up to 10 000 KN. Monostrand, Bar, flat Multistrand.

**DEL**



### Ground Anchors

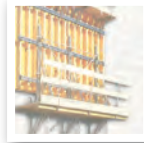
Bar & Strand. Temporary & Permanent. Self-drilling & traditional.

**DEL**



### Stay & Suspension Cables **DEL** for Bridges, Domes & Roofs

With bare, galvanized, polyester and epoxy coated Strand.



### Climbing Forms

Manual & Automatic.

**doka**



### Incrementally Launched Bridges

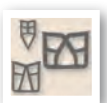
Engineering & Systems.

**DEL**



### Preformed Seals

For concrete Slabs.



### Form Travelers

For Balanced Cantilever Bridges.

**DEL**



### Expansion Joints

Modular, Transflex, & Asphaltic.



### Advancing Shoring

For Bridge in-situ Construction.

**DEL**



### Bridge Bearings

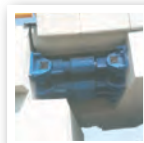
Pot, Spherical & Elastomeric Pads.



### Beam & Segments Launchers

Hydraulic-Electrically operated.

**DEL**



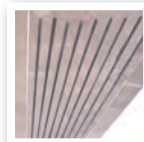
### Seismic Protection Devices

Shock Transmission Units. Dampers for Bridges & Stays.



### Precast-Prestressed Beams

**DEL**



### Carbon Fibers

FYFE

Engineering & Installation.



### Jacking Systems

Lifting, Lowering, Shifting, Pile driving, Pipe Jacking.

**DEL**



### Structure repair & upgrade

With listed Techniques.



### Moveable Bridges

Engineering & Systems.


















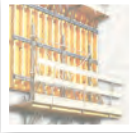



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## 13. Bridge Bearings

Project	Constructor/Owner	Location	Year
1 Bis Bridge	Pavimentos, Caminos y Compactaciones, S.A. de C.V.	Naucalpan-Toluca Hway	2015
Los Rayones Bridge	Constructora Jaken, S.A. de C.V.	Rayones, Nuevo León	2014
Interpuerto Bridge	Constructora Jaken, S.A. de C.V.	Salinas Victoria, N.L.	2013
Alfredo del Mazo Interchange	Grupo Promotor de Desarrollo e Infraestructura, S.A. de C.V.	Edo. de México	2013
Parque Eolico Chiapas	Vestas WTG México, S.A. de C.V.	Arriaga, Chiapas	2012
Venustiano Carranza Bridge	Prisma Desarrollos, S.A. de C.V.	Monterrey, N.L.	2012
Pio X Bridge	Foja Ingenieros Consultores, S.A. de C.V.	Monterrey, N.L.	2012
Río Florido over Bridge	Constructora Río Aros, S.A. de C.V.	Jiménez, Chihuahua	2012
C.D. Chapalilla-Compostela	CAPUFE	Guadalajara, Jalisco	2010
Presa El Zapotillo Bridge	Constructores El Zapotillo, S.A. de C.V.	Guadalajara, Jalisco	2010
San Vicente Bridge	Técnicas Especializadas en Construcción, S.A. de C.V.	Altamira, Tamaulipas	2009
Av. Eugenio Garza Sada-Pedro Martínez Bridge	Constructora Maiz Mier, S.A. De C.V.	Monterrey, N.L.	2009
Rangel Frias & Av. Gobernadores Interchange	Desarrollo Y Construcciones Urbanas, S.A. De C.V.	Monterrey, N.L.	2008



Venustiano Carranza Bridge, Monterrey, N.L.



Pio X Bridge, Monterrey, N.L.



Chedraui Flyover, Córdoba, Ver



Venustiano Carranza Interchange, Saltillo, Coahuila.

# 13. Bridge Bearings

Project	Constructor/Owner	Location	Year
Bridges without name	Constructora Maiz Mier, S.A. De C.V.	Monterrey, N.L.	2008
Chedraui Interchange	Balmor Construcciones Civiles, S.A. De C.V.	Córdoba, Veracruz	2007
Cd. de Las Artes I & II Bridges	Triturados Y Concretos Asfalticos, S.A. De Cv.	Querétaro, Querétaro	2007
Fundidora Bridge Eje Arramberri Supply of Neoprene Pads.	Constructora Maiz Mier, S.A. de C.V.	Monterrey, Nuevo León.	2006
Teofilo Borunda Interchange	Constructora Rascón, S.A. de C.V.	Chihuahua, Chihuahua.	2005
Hospital	Canteras Peninsulares, S.A. de C.V.	Mérida, Yucatán.	2005
Plano del Río Bridge.	Puentes y Construcciones,S.A.de C.V.	Miradores-Tamarindo, Veracruz. Hway	2004
Carlos Pellicer, Octavio Paz & Jaime Sabines Bridges.	Constructora ABOUMRAD AMODIO BERHO, S.A. de C.V.	Mexico City	2003
Apozol Bridge. Supply of Neoprene Pads.	Coincat S.A. de C.V.	Guadalajara - Zacatecas Hway	2003
Cuchilla bridge Supply of Neoprene Pads.	Arco Ingeniería , S.A. de C.V.	Monterrey, Nuevo León.	2003
Infiernillo I Bridge Supply and installation of Neoprene Pads.	Concreto Cupatitzio S.A. de C.V.	Pátzcuaro-Lázaro Cárdenas, Michoacán Hway	2003



Fundidora Bridge, Monterrey, N.L.



Plan del Río Bridge, Veracruz.



Carlos Pellicer Bridge, Ciudad México



Rangel Frías & Av. Gobernadores Bridge, Monterrey, N.L.

## 13. Bridge Bearings

Project	Constructor/Owner	Location	Year
Venustiano Carranza Interchange. Supply of Neoprene Pads.	Cotrissa Asfaltos, S.A. de C.V	Saltillo, Coahuila.	2001
Flyover Km. 1+102.30 Durango. Supply of Neoprene Pads.	Grupo Empresarial Constructivo S.A. de C.V	Durango, Durango.	2003
Access bridge To the Monclova technological Institute. Supply of Neoprene Pads.	Desarrollo Iberoamericano S.A. de C.V.	Monclova , Coahuila.	2001
Conchos, Guadalupe & Agua de Montes Bridges Supply of Neoprene DEL Pads.	Arrendadora de Equipos para Infraestructura S.A. de C.V.	Chihuahua, Chihuahua.	2001
Pinzandarán Bridge.	Tradeco Infraestructura S.A. de C.V.	Morelia - Lázaro Cárdenas Hway	2001
San Cristóbal Bridge Supply of bridge bearings type POT.	Ingenieros Contratistas, S.A. de C.V. ICONSA	Tuxtla Gutiérrez - San Cristobal Hway	2000
Emperador Bridge. Supply of Neoprene Pads..	Corporación Nacional de Construcciones, S.A. de C.V.	México - Puebla Hway	2000
Río Frío Bridge. Supply of Neoprene Pads.	Grupo Constructor Indigo, S.A. de C.V.	México - Puebla Hway	2000
Limoncillo Bridge. Supply of Neoprene Pads.	Grupo Constructor Indigo, S.A. de C.V.	La Tinaja - Cosoleacaque Hway	1999
Nacimiento Bridge. Supply of Neoprene Pads.	Drenaje y Agregados, S.A. de C.V.	San Luis Potosí.	1999
Tejocote Bridge. Supply of Neoprene Pads.	GRA Constructora, S.A. de C.V.	Los Reyes, Ecatepec.	1999
Coca Cola Plant in Toluca. Supply of Neoprene Pads.	Constructora GMC Mugo, S.A. de C.V.	Toluca, México.	1998
Jalapillas Bridge Km. 272+100. Supply of Neoprene Pads.	Grupo Constructor Indigo, S.A. de .CV.	Córdoba - Veracruz Hway	1998
Flyover for the railroad crossing. Km. 135+100. Supply of Neoprene Pads.	Grupo Constructor Indigo, S.A. de C.V.	México - Querétaro Hway	1998



Emperador Bridge , Puebla, Puebla.

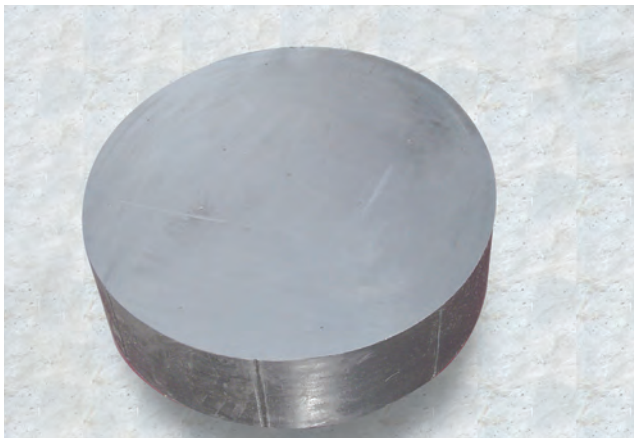


Atlixcayotl Bridge, Puebla, Puebla.



## 13. Bridge Bearings

Project	Constructor/Owner	Location	Year
6 Bridge , Km. 14+820 & 9 Bridge, Km. 18+540. Supply of Neoprene Pads.	SEDESOL Tamaulipas. (Infratec, S.A. de C.V.)	Cd. Victoria - Jaumave Hwy	1998
Lomas Country Bridge. Supply of Neoprene Pads.	ADMICORP, S.A. de C.V.	Fracc. Lomas Country, Huixquilucan.	1998
Luis Donaldo Colosio Bridge Supply of Neoprene Pads. Shore 60.	Constructora Muralla, S.A. de C.V.	Municipio de Nuevo Laredo, Tamaulipas.	1998
3 Interchanges Supply of Neoprene Pads. Shore 60.	DEIL y OPSA de G.M.D.	Córdoba -Veracruz Hwy	1998
San Cristóbal Bridge. Supply of Neoprene Pads.	Aceros Arquitectónicos, S.A.	República de Guatemala.	1997
Líne "B" in the Mexico City Subway. Supply of Neoprene Pads.	ICA Construcción Urbana, S.A. de C.V. / COVITUR. D.D.F.	Mexico City	1997
Atlixcayotl Bridge. Supply of Neoprene Pads.	Guraieb & Asociados, S.A. de C.V.	Puebla.	1997
Bridges on the Córdoba - Veracruz Highway. Supply of Bridge bearings.	DEIL y OPSA de G.M.D	Córdoba - Veracruz Hwy	1993
Quetzalapa Bridge. Supply of Bridge bearings.	TRIBASA	México - Acapulco Hwy	1993
Barranca El Cañón Bridge. Supply of Bridge bearings.	OPSA de G.M.D.	México - Acapulco Hwy	1993
Bridges on the La Tinaja - Cosoleacaque Highway. Supply of Bridge bearings.	OPSA	La Tinaja - Cosoleacaque Hwy	1993
Bridge on the Tierra Colorada - Acapulco Highway. Supply of Bridge bearings.	DEIL.	México - Acapulco hwy	1993
Papagayo Bridge.	OPSA. D.G.C.F	México - Acapulco Hwy	1991



Neopreno Pad



Atenquique II Bridge Guadalajara- Colima Highway

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