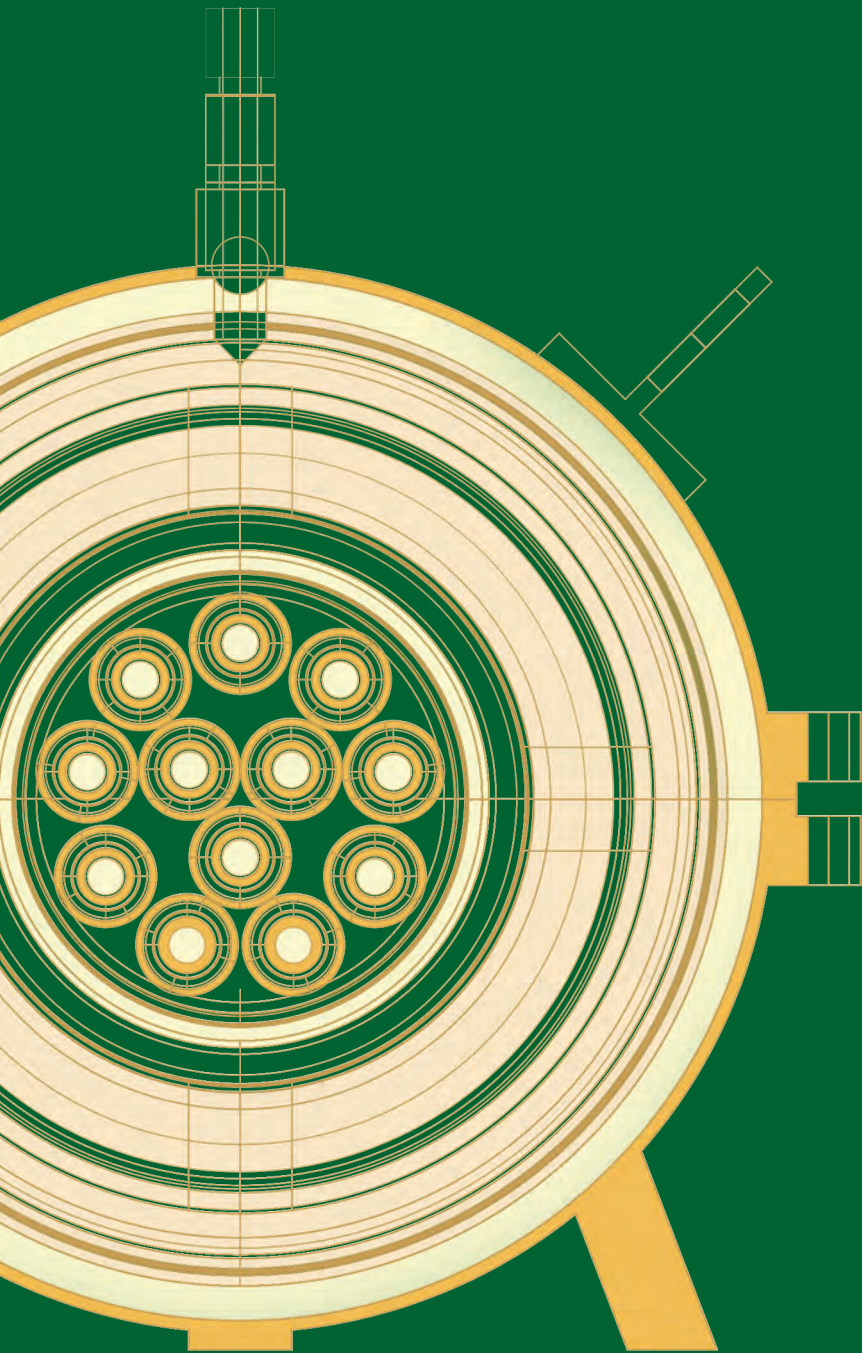


MEXPRESA

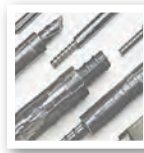
Art & Engineering
in Bridges





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

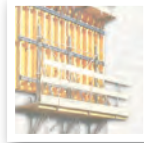
Bar & Strand. Temporary & Permanent. Self-drilling & traditional.

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

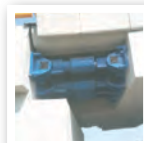
Pot, Spherical & Elastomeric Pads.



Beam & Segments Launchers

Hydraulic-Electrically operated.

DEL



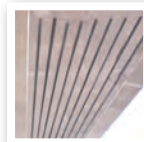
Seismic Protection Devices

Shock Transmission Units. Dampers for Bridges & Stays.



Precast-Prestressed Beams

DEL



Carbon Fibers

Engineering & Installation.

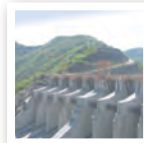
FYFE



Jacking Systems

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

DEL



Structure repair & upgrade

With listed Techniques.



Moveable Bridges

Engineering & Systems.


















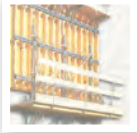



MEXPRESA

Av Nativitas 429 • 16090 Xochimilco, D.F. • México
Tel: +(52)(55) 5334 0330 • Fax +(52)(55) 5334 0331
E-mail mexpresa@mexpresa.com
www.mexpresa.com



Curriculum Index

1. Introduction	7		
2. General Information	8		
 3. Structural Design	9		14. Beam Launchers 43
 4. Multistrand Post-tensioning	15		15. Precast-Prestressed Beams 47
 5. Slab Post-tensioning	21		16. Moveable Bridges 50
 6. Stay & Suspension Cables	24		17. Bridge Joints 51
 7. Ground Anchors	26		18. Rebar Splicing 58
 8. Incrementally Launched Bridges	29		19. Structure Repair & Upgrade 64
 9. Advancing Shoring	31		20. Storage Tanks 68
 10. Jacking Systems	32		21. Contractor 70
 11. Form Travelers	35		22. Memberships 71
 12. Climbing Forms	37		23. Recognitions 71
 13. Bridge Bearings	40		24. Company Registers 72

10. Jacking Systems

Project	Constructor/Owner	Location	Year
Piñales Bridge	Construcciones y Dragados del Sureste, S.A. de C.V.	Xicotepec, Puebla	2014
Estero I & San Lorenzo Bridges	Rehabilitador y Mantenedor de Autopistas Mexicanas, S.A. de C.V.	Mazatlán-Culiacán Highway	2012
Río Florido Bridge	Contructora Río Aros, S.A. de C.V.	Jiménez, Chihuahua	2010
Arroyo Grande Bridge	Construcciones y Pavimentos Brufa, S.A. de C.V.	Km 72+040 del Camino directo Las Chopas-Raudales-Ocozocoautla.	2010
Alvarado Bridge	Construcciones Y Montajes Industriales Del Sur, S.A. De C.V.	Alvarado, Veracruz	2006
Cancún Flyover Structure Elevation	Jovial Construcciones, S.A. de C.V.	Cancún, Quintana Roo.	2004
Michoacan II Bridge.	Construcciones FERVI, S.A. de C.V.	Morelia, Michoacan.	2003
Santa Rita, Las Limas & El Tejar Bridges.	Corporación Mitla S.A. de C.V.	Córdoba - Veracruz Hwy	2003
Presidente Cárdenas Flyover. Jacking of two slabs.	BEGASA Construcciones S.A. de C.V.	Saltillo, Coahuila.	2003
Escamela Bridge.	Nacional de Puentes y Estructuras S.A. de C.V.	Orizaba, Veracruz.	2003



Infiernillo II Bridge, Uruapan - Lázaro Cárdenas



Alvarado Bridge, Alvarado, Veracruz



Line B of the Mexico City Subway", México City.

10. Jacking Systems

Project	Constructor/Owner	Location	Year
Demiño Bridge.	Contratistas Unidos Mexicanos, S.A. de C.V.	Mixquiahuala, Hidalgo.	2002
El Maguey & Las Granjas Bridges.	CoConstrucciones GL, S.A. de C.V.	Córdoba - Veracruz Hwy	2003
Infiernillo II Bridge. Lifting of foundation blocks.	TRADECO Infraestructura S.A. de C.V.	Uruapan-Lázaro Cárdenas Hwy	2000
San Pedro Lagunilla & Milpillas Bajas Bridges.	Grupo GR. Express, S.A de C.V.	Compostela Hwy	2000
Lifting of several beams for bridges.	Elementos Fabricados y Construcciones, S.A. de C.V.	Mexico City	2000
Bridge over the Maravatío Zapotlanejo road.	RR. Ingeniería	Maravatío -Zapotlanejo Hwy	1999
Forum of the Civil Engineering College. Slab Descending. Total Area : 3,465 mts.	U.A.N.L. Universidad Autónoma de Nuevo León.	Monterrey, Nuevo León.	1991
Tizapa Bridge. Beams assembling.	OPSA	Córdoba, Veracruz Hwy	
Lifting of a Thermoelectric plant chimney.	OPSA	Laguna de Tepalcates, Colima.	



Civil Engineer College, Monterrey, Nuevo León.



Río Florido Bridge



Dataflux Tower, Monterrey, Nuevo León.



10. Jacking Systems

Project	Constructor/Owner	Location	Year
Thermoelectric plant in Manzanillo. Lifting of chimney up to 120 mts. Total weight 200 tons.	ECONSA. Comisión Federal de Electricidad.	Manzanillo, Colima.	
Papagayo Bridge. Lifting of molds up to 80 mts. height (20x30x4 mts.) Total weight 100 tons.	OPSA de GMD D.G.C.F.	México - Acapulco Hway	1991
Temascatio Bridge. Lifting of superstructure.	Servicios y elementos presforzados S.A. de C.V.	Salamanca - Irapuato Hway	1999
Dataflux Tower Lifting of several structures.	Constructora Krone, S.A. de C.V.	Monterrey, Nuevo León.	1998
Apizaco I Bridge. Lifting of superstructure.	Constructora Marhnos, S.A. de C.V.	México - Tuxpan Hway	1998
Sicarsa Plant Lifting and descending of concrete blocks	Desarrollo Urbano, S.A. de C.V.	Lázaro Cárdenas, Michoacán.	1997
Line B of the Subway in Mexico City.	ICA, Construcción Urbana	Mexico City	1997



El Pozuelo Bridge, México - Acapulco Highway.

MEXPRESA

Av Nativitas 429 • 16090 Xochimilco, D.F. • México
Tel: +(52)(55) 5334 0330 • Fax +(52)(55) 5334 0331
E-mail mexpresa@mexpresa.com
www.mexpresa.com