



The Company With Connections[®]

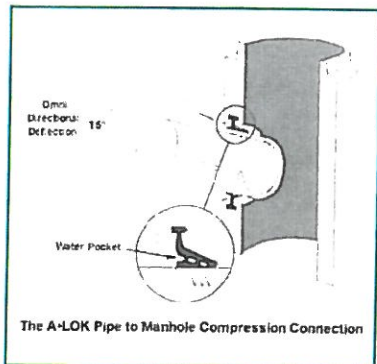


INCOMPARABLE PIPE-TO-MANHOLE CONNECTORS FOR SANITARY SYSTEMS

X-CEL

● A•LOK X-CEL

Designed to produce a guaranteed watertight seal between pipe and concrete, the A•LOK X-CEL flexible pipe-to-manhole connector provides maximum performance on the job site. Its unique design not only saves valuable project time, but also ensures longevity and offers unsurpassed environmental benefits.



A•LOK X-CEL connectors prevent infiltration and ex-filtration into wastewater or stormwater systems, and are installed in the precast structure in a way that does not require coring or placement after the base component is cast. This eliminates residual waste from coring, disposal of the slugs or wasted raw material utilization or energy. Once cast-in, the connector becomes an integral component of the structure wall.

Based on the traditional A•LOK connector, the X-CEL's enhanced features improve performance. Take the patented "water pocket" for example, which utilizes the untapped pressure of ground water to exert a clamping force around the connector and pipe, allowing the connector to perform in deeper installations.

Demonstrated in tests higher than 15 psi of hydrostatic water pressure, the X-CEL's unique design provides 45 percent more rubber contact with the pipe, allowing for greater pipe deflection.

● MATERIAL

Molded or extruded from compounds formulated for wastewater applications and engineered to conform to the requirements of section 4.1.1 of ASTM C-923, the standard rubber connector is available in alternative compounds upon request. Contact an A•LOK representative regarding special applications, such as the presence of hydrocarbons.

● KEY ADVANTAGES

The A•LOK X-CEL offers distinct advantages for engineers, specifiers, precasters and municipalities. An enhanced profile gives the connector 45% greater rubber contact with the pipe, thus allowing the pipe to be deflected in excess of 10 degrees of omnidirectional deflection, all the while maintaining a watertight seal. These enhancements allow for more flexibility to compensate for pipe shear due to settlement or ground movement.

● KEY ADVANTAGES (continued)

On larger-diameter pipe, where size prohibits a gasket from being installed in a flat plane, the X-CEL can be configured for casting in a curve with the connector staying perpendicular to the center line of the pipe. Discovered through years of extensive research and development, the configurations cause no loss of compression or deflection.

Functioning on pure compression, the X-CEL allows for fast and easy field installation. After the connector and pipe are cleaned and lubricated, the pipe is simply centered in the connector and inserted. Backfilling can be done immediately, thus enhancing project safety and overcoming the typical problems of water, running sand and other unstable trench conditions.

For Specifiers, the X-CEL connector offers a guaranteed solution to the age-old containment system problem of the best way to connect pipes and concrete structures. Precasters using X-CEL connectors experience increased satisfaction due to their ability to offer a complete watertight, guaranteed product, while municipalities that install X-CEL will ultimately spend less on road repair by avoiding the possibility of pot/sink holes that are often the result of leaking, non-connected, systems.

● PRODUCT REFERENCES

A.) ASTM C-923-00

Resilient Connector Between Reinforced Concrete Manholes Structures, Pipe and Laterals.

B.) ASTM C-1244-00

Standard Test Method For Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test

C.) ASTM C-478C

Standard Specification for Precast Reinforced Concrete Manhole Sections

● PERFORMANCE STANDARD

The A•LOK X-CEL guaranteed Connector meets or exceeds all material and test requirements outlined in ASTM C-923: "Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes and Laterals."

Molded or extruded from compounds formulated for wastewater applications, the standard rubber connector is engineered to conform with the requirements of section 4.1.1 of ASTM C-923. Alternative compounds are available upon special request.