



MIB Series

Tylox® Cobra Style, Mechanically Installed, Boot Connector.

Tylox Boot Connectors flexible enough to meet your most rigid standards.

For over half a century, pre-casters have put their trust in Hamilton Kent's flexible rubber gaskets to provide permanent, water-tight joint seals in their concrete pipes and structures. Now you can get that same "peace-of-mind" for your pipe-to-structure connections - with Hamilton Kent's premier line of flexible, rubber, boot connectors.

Designed to provide a water-tight seal between a pre-formed hole (cored or cast-in) in a concrete structure and a connecting pipe, all Tylox®, Cobra style, flexible, rubber, boot connectors:

- Are designed to meet, or exceed, the requirements of ASTM C923 - 13 psig water-tight sealing in straight alignment and 10 psig water-tight sealing at 7° axial deflection.
- Accommodate variation in hole sizes, through the use of an adjustable hoop.
- Allow for repeated installation and removal, without damaging the connector.
- Are quick and easy to install, using an adjustable torque wrench.
- Are easily installed, and/or removed, from either the interior or exterior of the concrete structure.
- Are manufactured in a variety of hole-size / pipe-size combinations to fit most cored/formed hole sizes 7" thru 16", and connecting pipe O.D.'s from 1.80" thru 14.75". (Please refer to Chart on rear of sheet for exact details)
- Are supplied, as standard, with high-grade, 304 Series, Stainless Steel Shield, Hoop and Clamp, for maximum corrosion resistance.



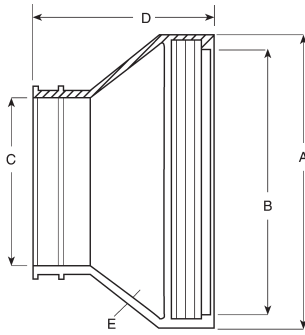
- Are manufactured with high-strength, fibre-glass reinforced, nylon wedges, for enhanced durability.

Hamilton Kent's policy of carrying large inventories of finished product, in multiple locations, means that you'll find ordering and receiving Tylox® flexible, rubber, boot connectors can be the same simple, worry-free experience that you've come to expect on your Hamilton Kent gasket requirements.



A variant of the standard sleeve, the step-sleeve is designed for field selection to suit either a 2", 3" or 4" connecting pipe.

Making Infrastructure Water-Tight, TODAY!
For A *Greener*, Sustainable Tomorrow



Available Models								
Part	Pipe O.D. Range (in)		Hole Size Range (in)		Connector Dimensions			
	Min	Max	Min	Max	B	C	D	E
C7-2-432	1.80	4.80	7.00	7.12	6.00	*	6.00	0.250
C8-2-432	1.80	4.80	7.99	8.12	7.00	*	6.25	0.250
C7-2-4	4.21	4.80	7.00	7.12	6.00	4.80	6.00	0.250
C8-2-6	6.00	6.70	7.99	8.12	7.00	6.50	6.00	0.312
C10.5-2-6	6.00	7.00	10.50	10.60	9.00	6.50	6.00	0.312
C10.5-2-8	7.50	9.05	10.50	10.60	9.00	8.50	6.00	0.312
C11-2-6	6.00	7.00	10.99	11.12	9.00	6.50	6.00	0.312
C11-2-8	7.50	9.05	10.99	11.12	9.00	8.50	6.00	0.312
C12-2-4	4.21	4.80	11.99	12.12	10.50	4.80	6.00	0.312
C12-2-6	6.00	7.00	11.99	12.12	10.50	6.50	6.00	0.312
C12-2-8	7.50	9.05	11.99	12.12	10.50	8.50	6.00	0.312
C13-2-10	9.00	11.10	12.99	13.12	11.40	10.50	8.00	0.375
C14-2-10	9.50	11.10	13.99	14.12	12.25	10.50	8.00	0.375
C16-2-10	9.50	11.10	15.99	16.12	13.87	10.50	8.00	0.375
C16-2-12	11.75	13.25	15.99	16.12	13.87	12.50	8.00	0.375
C16-2-14	13.25	14.75	15.99	16.12	13.87	14.00	8.00	0.375
* C7-2-432 and C8-2-432 boots - sleeve has optional C Dimensions: C1 @ 2.25", C2 @ 3.60", and C3 @ 4.80"								

Materials and Identification

Tylox™ MIB connectors are manufactured from synthetic rubber compounds, to meet the material requirements of ASTM C923.

Connectors are available for “Standard” or “Oil-resistant” applications. Oil-resistant connectors will have an orange dot on the rubber molding.

Other materials and specifications may be available as custom order. Please consult your Hamilton Kent representative regarding your specific requirement.



Tylox® Cobra Boots are manufactured by Hamilton Kent Inc. and/or Hamilton Kent LLC. They are distributed worldwide by Hamilton Kent Inc., except for the U.S.A. where they are distributed by Hamilton Kent LLC. Tylox® is a registered trademark of Hamilton Kent Inc. All Tylox® Cobra Boots are warranted for 12 months from date of purchase (Invoice date) in accordance with the details outlined in Hamilton Kent's Standard Terms and Conditions.

Components

Tylox® flexible, rubber, boot connectors consist of 5 main components:



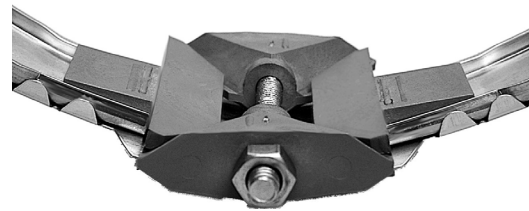
Sleeve: The heart of the boot connector, the sleeve is designed for flexibility in all dimensions, to accept relative movement between the pipe and the structure. Sleeves are manufactured, as standard, in EPDM, which provides for protection against ultra-violet degradation while the structure is being stored and/or installed. Optionally, the sleeve is available in Nitrile, for use in applications requiring oil-resistance. Sleeves are designed for use with either single or dual take-up clamps.

Hoop: The brawn of the boot connector, the hoop is manufactured from 304 Series, Stainless Steel; and is roll formed for increased radial strength. An expansion mechanism is used to expand the O.D. of the hoop, inside the rubber sleeve, after they have been inserted into the hole in the structure. The force exerted by the expanded hoop both mechanically clamps the sleeve into the structure, and deforms the rubber against the concrete, forming a water-tight seal.

Shield: The 304 Series, Stainless Steel shield provides protection between the rubber sleeve and the hoop expansion mechanism. It also gives an added amount of interference between the hoop and sleeve, at the adjustment point, ensuring full 360 degree sealing between the sleeve and the structure wall.

Clamp: Manufactured from 304 Series, Stainless Steel, the clamp is used to compress the rubber around the connecting pipe, forming a water-tight seal. Clamps are available in either standard or quick adjustment (jet) styles.

Adjustment Mechanism: The Cobra style mechanism expands the hoop by a variable amount.



The amount of expansion is adjusted by using a torque wrench to turn the nut on the screw mechanism inwards, which in turn activates the wedge system, expanding the hoop. Note that the bolt head itself is held captive inside a formed hole in the rear wedge, negating the need for a second wrench to hold it steady. Cobra style mechanisms are ideal for the pre-caster who prefers one style boot for both plant and field installed connectors.



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- Uncompromising Quality

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