

# CoreBoot

## PVC to Concrete Pipe and Wall Connector

The most effective, reliable, and durable watertight PVC to Concrete seal.



CoreBoot is a durable rubber transition gasket designed to create flexible and watertight connections between PVC and concrete pipe, chambers, and foundation walls.

### Applications

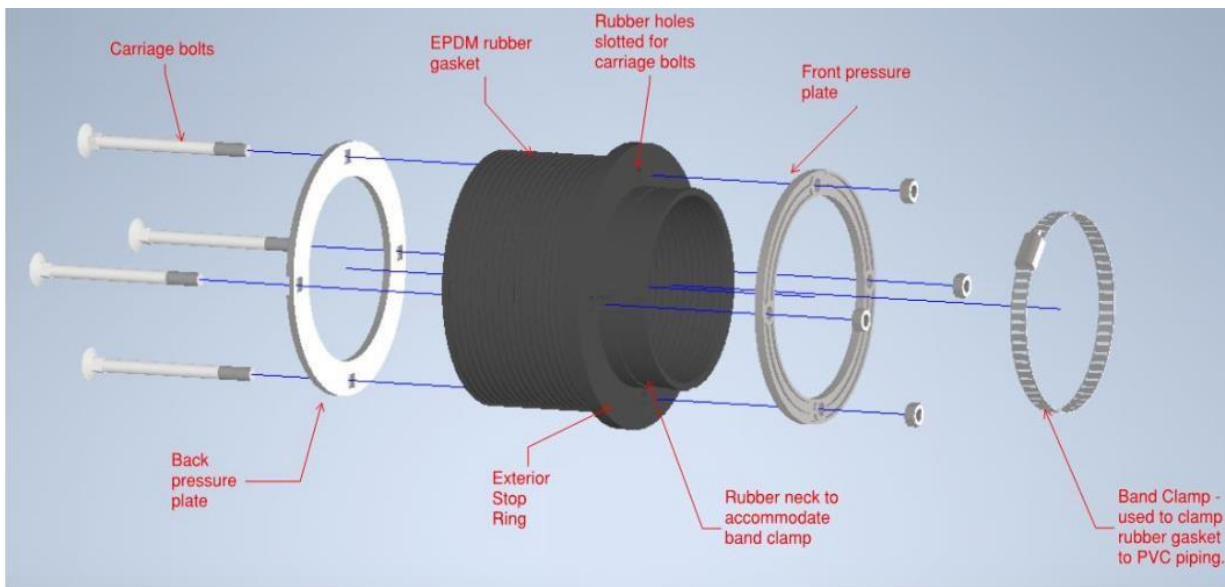
CoreBoots are used throughout the civil construction and plumbing industries for:

- Sanitary and storm lateral connections.
- Catch basin leads.
- Cored manhole or catch basin connections.
- Pipe connections and penetrations to chambers and building foundation walls.



## Design:

- CoreBoots are manufactured using EPDM rubber to ensure durability, subsurface /atmospheric /chemical resistance, and gasket longevity.
- Mechanical hardware utilized in the CoreBoot is 304 and /or 316 stainless to prevent corrosion.

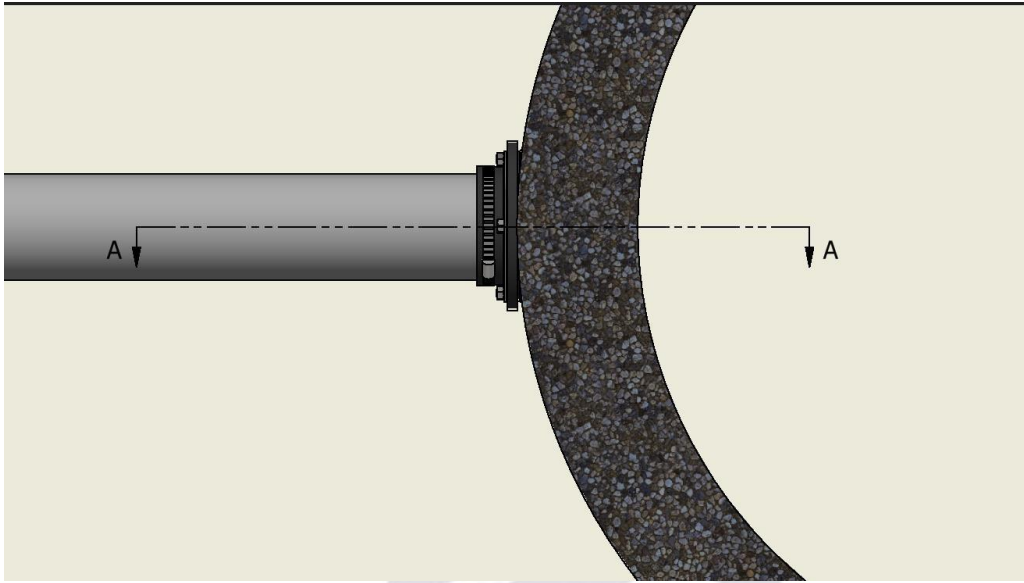


## Function

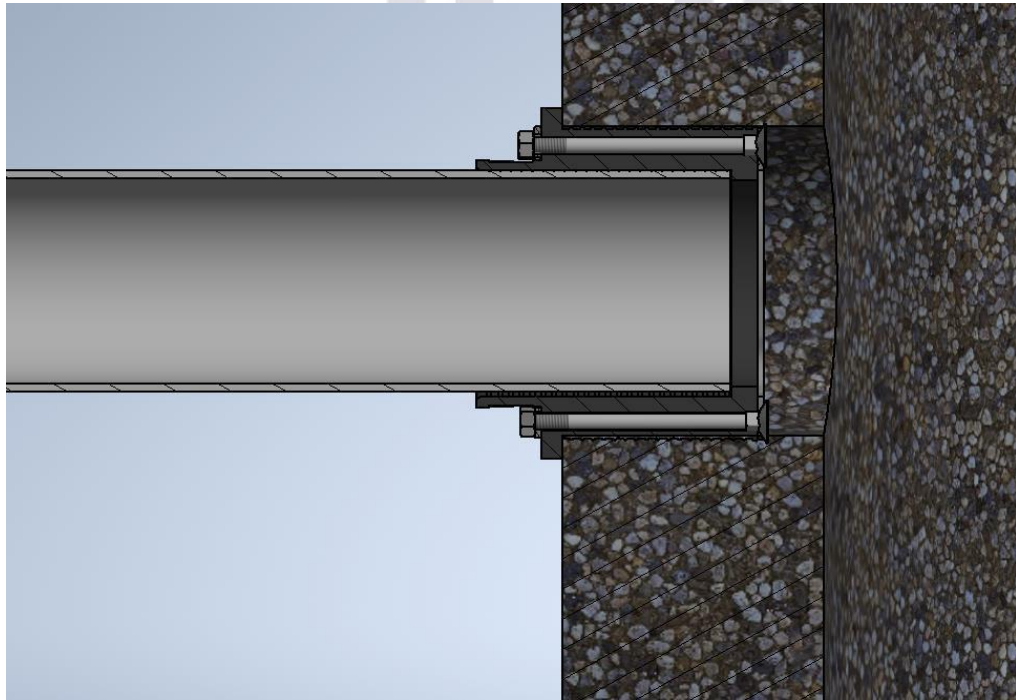
- CoreBoot seats and seals the PVC pipe within the wall of the concrete pipe to prevent shearing and pull out during backfill and backfill settlement.
- An outer stop ring prevents the CoreBoot from pushing into the concrete pipe or structure.
- Exterior friction ribs are utilized to prevent gasket pullout.
- Interior ribs are used to prevent PVC pipe pullout.
- An inner stop ring prevents the PVC pipe from pushing through the CoreBoot into the concrete pipe. (The interior stop ring is removed during manufacturing for wall penetration applications).
- Gear clamp — used to tighten CoreBoot to PVC pipe.

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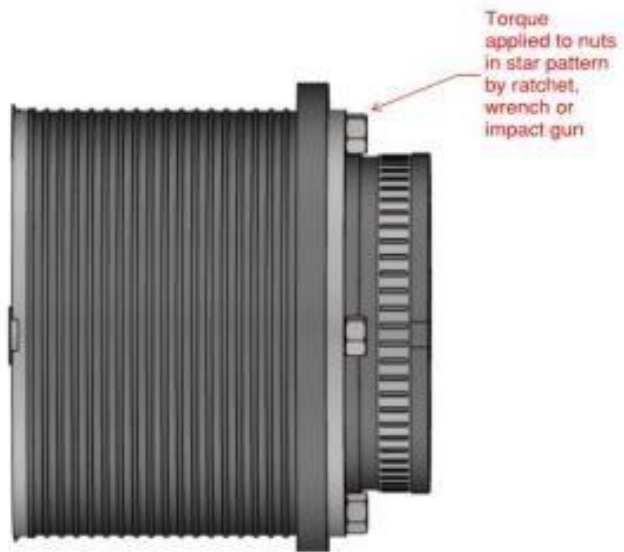
**Cross Sections:**



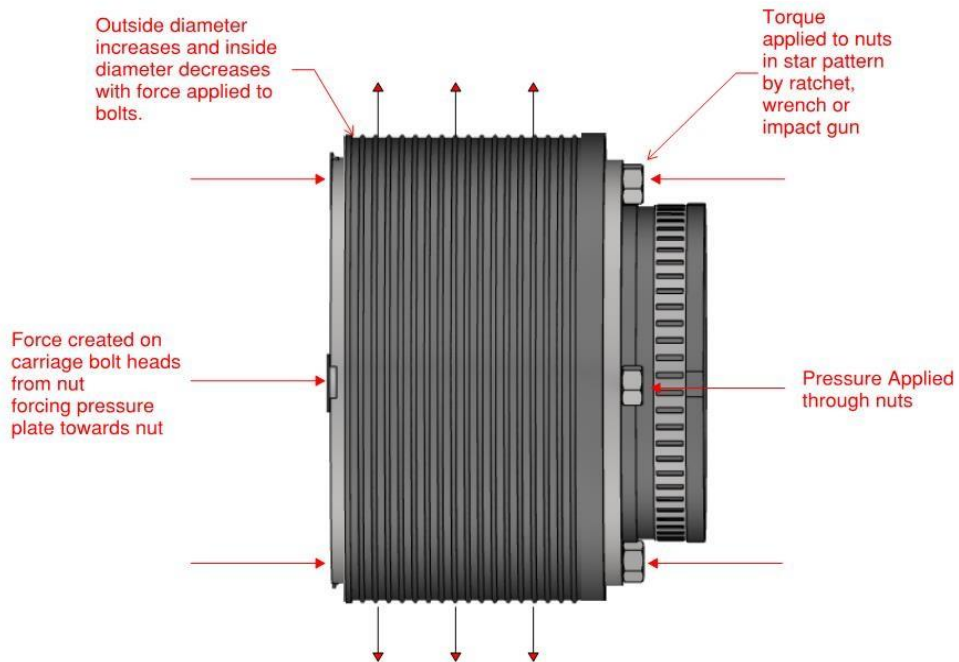
**Section A-A**



## Before bolts are tightened



## After bolts are tightened



## **INSTALLATION INSTRUCTIONS:**

1. Core or preform a hole in the concrete pipe to the appropriate size (specified in chart below)
2. Inspect the inside surface of the cored hole /preformed hole. If there is porosity or wire-to-cement separation, use patching or hydraulic cement to smooth the surface.
3. Insert CoreBoot until rubber stopper touches concrete pipe (ensuring CoreBoot is inserted perpendicular to pipe /wall).
4. Tighten nuts incrementally in star pattern until boot is snug in the concrete pipe.
5. Insert PVC pipe into CoreBoot until it reaches the interior stop ring. (If PVC pipe won't reach stop ring, back nuts off slightly to release pressure).
6. Tighten nuts until front pressure plate begins to deflect slightly. Pull on CoreBoot by hand to ensure no movement is present and that seal has been made. If movement is still present, continue to tighten nuts until seal is made.
7. Tighten band / gear clamp to 60 in-lbs to finalize seal.

**Drill & Pipe Size Chart**

CoreBoot Size		Accepted PVC Pipe Type	Minimum Recommended Concrete Pipe Size	Core Drill Size	Installation Tools Required
Imperial	Metric				
4"	100mm	4" SDR28, SDR35	≥ 450mm	6"	1/2" Socket, 5/16" nut driver
5"	125mm	5" SDR28, SDR35	≥ 450mm	8"	1/2" Socket, 5/16" nut driver
6"	150mm	6" SDR28, SDR35	≥ 450mm	9"	1/2" Socket, 5/16" nut driver
8"	200mm	8" SDR35	≥ 450mm	11"	1/2" Socket, 5/16" nut driver
10"	250mm	10" SDR35	≥ 450mm	13"	1/2" Socket, 5/16" nut driver
12"	300mm	12" SDR35	≥ 600mm	15"	1/2" Socket, 5/16" nut driver

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