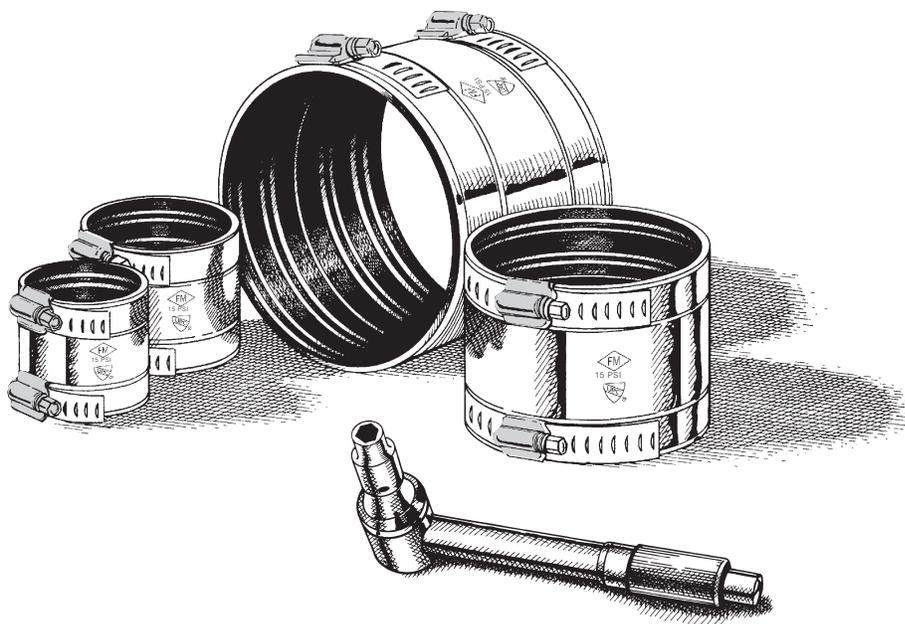


# HI-TORQ™ 80 Coupling

... the easy way to worry-free coupling installations

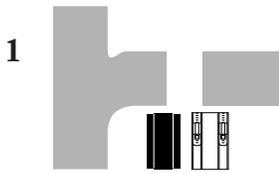
The HI-TORQ 80 coupling from Clamp-All® is engineered to be the most cost effective way to join any hubless DWV system . . . and be assured of a trouble-free installation.

- HI-TORQ 80 couplings are effective for stacks, mains, branches and vents in any DWV storm and sanitary system.
- HI-TORQ 80's unique *flexible rigidity*™ provides the strength required to maintain hydrostatic integrity even under severe stress.
- HI-TORQ 80's slotted shield design compensates for mismatched pipe/fitting diameter and still maintains alignment.
- HI-TORQ 80 couplings have just *two clamps* for sizes through 4" (100 mm) and only *four clamps* on sizes 5" (125 mm) to 10" (250 mm) — *that means quicker installation.*
- HI-TORQ 80 does not compromise on performance and reliability:
  - Shields are 28 gauge type 304 18-8 chromium nickel stainless steel for exceptional corrosion resistance.
  - One piece molded neoprene gasket complies with ASTM C-564 and features two sets of sealing beads and a unique inter-locking design for greater seal area and stability.
  - Worm drive clamps are 304 stainless steel with 305-SS screws to provide maximum corrosion resistance.
  - Approved to FM 1680 Class I, 15 PSI; Listed by IAPMO - #2189; Refer to ICC Evaluation Report ICC-ES 94-20.

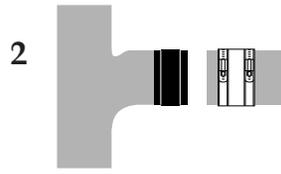


Clamp-All

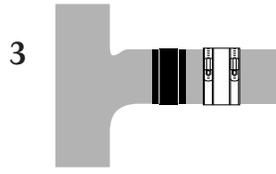
# Quick & Easy Installation



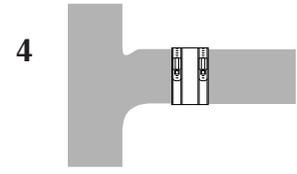
1 The cut ends of the pipe should be smooth and square.



2 Place neoprene gasket on end of pipe or fitting until it is firmly seated against the center stop.



3 Place stainless steel housing with clamps on end of other pipe and slip the pipe into the gasket until it is also firmly seated against the center stop.

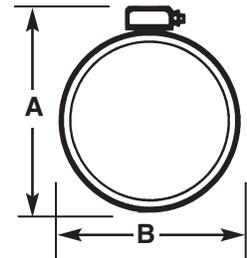


4 Slide the housing into position directly over the gasket. Using preset torque wrench, alternately tighten clamps to 80 in•lbs (9N•m) of torque.

Note: All pipes 5" diameter or larger must be sway braced and/or thrust blocked at changes of direction to prevent horizontal movement of the piping.

## HI-TORQ 80 Engineering & Ordering Information

Pipe Size in. (mm)	HI-TORQ 80 Part Numbers	Installed Dimension		Depth to Center Stop in. (mm)	Width of Coupling in. (mm)
		A in. (mm)	B in. (mm)		
1.5" (38)	□ 81015	2.75" (70)	2.25" (57)	1.44" (37)	3" (75)
2" (50)	□ 81020	3.25" (83)	2.75" (70)	1.44" (37)	3" (75)
3" (75)	□ 81030	4.25" (108)	3.75" (95)	1.44" (37)	3" (75)
4" (100)	□ 81040	5.25" (133)	4.75" (121)	1.44" (37)	3" (75)
5" (125)	□ 81050	6.25" (159)	5.75" (146)	1.94" (49)	4" (100)
6" (150)	□ 81060	7.25" (184)	6.75" (171)	1.94" (49)	4" (100)
8" (200)	□ 81080	9.25" (235)	8.75" (222)	1.94" (49)	4" (100)
10" (250)	□ 81100	11.50" (292)	11.00" (279)	1.94" (49)	4" (100)



## High Performance Coupling Specification

Hubless cast iron soil pipe and fittings shall be joined using HI-TORQ 80 couplings, manufactured by Clamp-All Products, for all storm and sanitary systems, mains, branches and vents above and below grade.

Couplings shall be constructed of type 304 stainless steel with 305 stainless steel worm drive screws. The gasket material shall be neoprene and conform to ASTM C-564. The coupling assembly shall be torqued to specified requirements.

Clamp-All couplings meet or exceed the following performance standards:  
FM 1680 Class I and ASTM C-1277.



For information, the name of your local representative, or technical support call or fax:

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