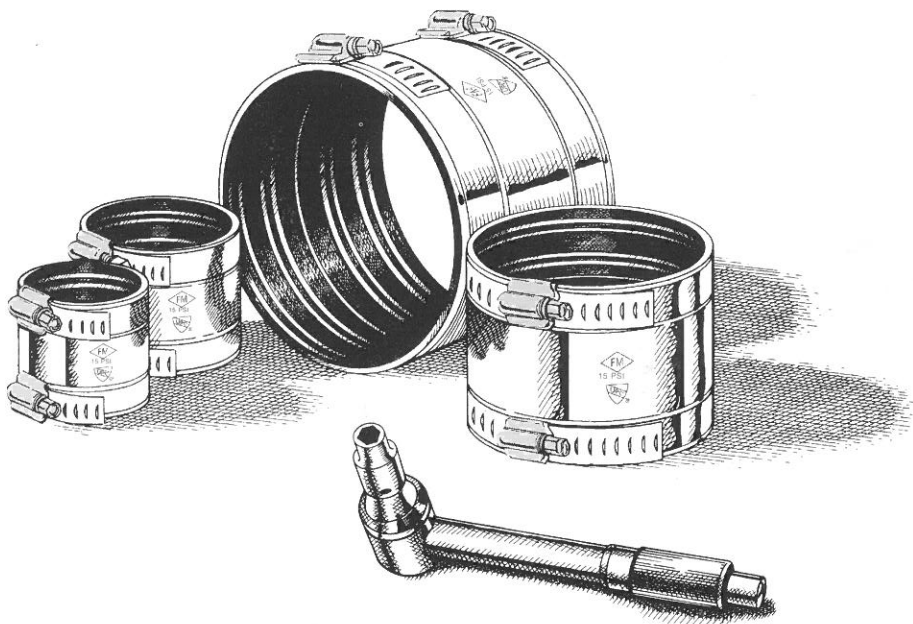


# HI-TORQ<sup>TM</sup> 80 Coupling Submittal

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

The HI-TORQ 80 coupling from Clamp-All<sup>®</sup> 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*<sup>TM</sup> 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

# About the Guarantee

Clamp-All Products guarantees its hubless couplings, Approved to Factory Mutual Standard FM-1680 Class 1 at 15 PSI rated working pressure, to be free from defects in material and workmanship.

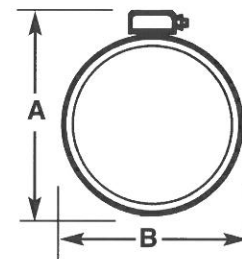
Clamp-All further warrants that these couplings will not fail due to rust, rot or corrosion for the normal life expectancy of the materials joined, when installed in a normal building environment or in naturally occurring soils.

Installation must be in accordance with our printed installation instructions and in conformance with local code requirements.

## 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)

□ 99080 Order HI-TORQ 80 Pre-set Torque Wrench for proper installation. (required)



## High Performance Specification

Hubless cast iron soil pipe and fittings conforming to ASTM A-888, shall be joined using a coupling approved to Factory Mutual Research Corporation standard FM-1680 Class I, 15 PSI rated working pressure. Couplings approved to this standard are suitable for all storm and sanitary DWV systems 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.

Couplings approved to FM-1680 Class I may be hung or supported with one (1) hanger per length for 10 foot lengths in accordance with the manufacturer's installation instructions and in conformance with local code requirements.

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

*For information, technical support or the name of the representative in your area, please contact:*



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