

Hot-Tap Saddles



ENGINEERING GUIDE

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Hot-Tap Saddles Dimensions & Information



Allows Connection to Existing Pipelines Under Pressure



Specially designed tapping saddle allows pipe branch connection to pressurized "Hot" lines without system shut-down. Available in PVC White, Gray or CPVC Gray configurations.

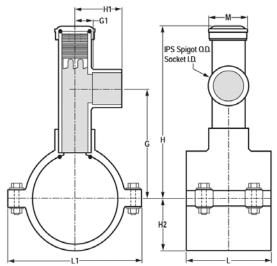
- Industrial Grade Bolt-on Saddle with EPDM or FKM O-ring Seals and Choice of Zinc Plated Steel or Type 316 Stainless Steel Hardware.
- Built-in Brass or Stainless Steel Cutter Easily Cuts Hole in PVC, CPVC, HDPE and PP Pipe. Special Design Captures and Retains Coupon from Hole.
- Pressure Rated to 235 psi @ 73°F.
- Available to fit IPS Pipe 2" through 8" with Versatile 3/4" Socket 1" Spigot Combination Branch Outlet or 1"-1/2" Socket - 2" Spigot Combination Branch Outlet.

TECHNICAL DATA

Maximum Ser	vice Temperatures	Pressure R	ating @ 73°F
PVC	140°F	2" - 4"	235 psi
CPVC	200°F	6"	200 psi
Note: Elevate	d service temperatures	8"	150 psi
require system	n pressure de-rating.		

Not for Distribution of Compressed Air or Gas

Some leakage is possible during the tapping process, therefore "hot-taps" are not recommended for corrosive or dangerous fluid medium.



Dimensions - Saddle x Socket (Spigot)

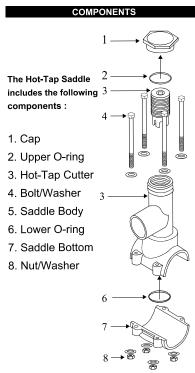
Size	G	G1	Н	H 1	H2	L	L1	М
2 x 3/4 (1)	3-9/16	1	6-3/16	2	1-1/2	2-7/16	3-7/16	2
2 x 1-1/2 (2)	4-1/2	1-1/4	8-1/2	2-11/16	1-1/2	2-7/16	3-7/8	2-7/8
2-1/2 x 3/4 (1)	3-15/16	1	6-9/16	2	1-3/4	4-1/8	4-1/8	2
2-1/2 x 1-1/2 (2)	4-13/16	1-1/4	8-3/16	2-11/16	1-3/4	4-1/8	4-1/8	2-7/8
3 x 3/4 (1)	3-15/16	1	6-5/8	2	2	3	4-3/4	2
3 x 1-1/2 (2)	5-1/8	1-1/4	9-1/8	2-11/16	2	4-1/8	4-3/4	2-7/8
4 x 3/4 (1)	4-11/16	1	7-5/16	2	2-5/8	3	5-13/16	2
4 x 1-1/2 (2)	5-1/4	1-1/4	9-5/8	2-11/16	2-5/8	4-1/8	5-13/16	2-7/8
6 x 3/4 (1)	6	1	8-5/8	2	3-13/16	3	8-3/16	2
6 x 1-1/2 (2)	6-15/16	1-1/4	10-15/16	2-11/16	3-13/16	4-1/8	8-3/16	2-7/8
8 x 3/4 (1)	6-3/4	1	9-5/16	2	4-7/8	8-1/2	10-1/16	2
8 x 1-1/2 (2)	8-1/4	1-1/4	12-1/4	2-11/16	4-7/8	8-1/2	10-1/16	2-7/8

Hot-Tap Saddle Installation

Basic Installation

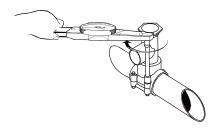
Hot-Tap Saddles are designed for adding branch connections to piping systems under live ("hot") pressure. Hot-Tap Saddle branch outlets are either 3/4" socket (with 1" Spigot O.D.) or 1-1/2" socket (with 2" Spigot O.D.) in saddle sizes 2" through 8" to fit IPS pipe using a built-in O-ring seal. Internal cutter is operated using conventional ratchet and drive extension and permanently retains coupon cut from pipe. Maximum operating pressure at 73°F is 235 psi for saddle sizes 2" - 4", 200 psi for 6" saddles & 150 psi for 8".

SEE PRODUCT INSTALLATION INSTRUCTION (HT-3A) FOR DETAILS

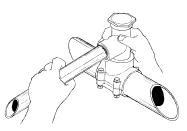




STEP 2 Torque to Specifications

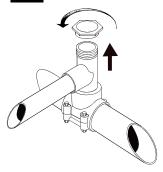


STEP 3 Cement Branch Take-off

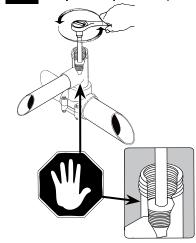


Allow joint to cure.

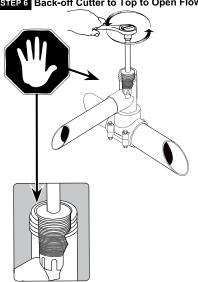
Remove Cap



Tap to Required Depth



STEP 6 Back-off Cutter to Top to Open Flow



STEP 7 Reinstall Opening Sealed Cap

