



# Hot-Tap Saddles



## ENGINEERING GUIDE

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## 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.

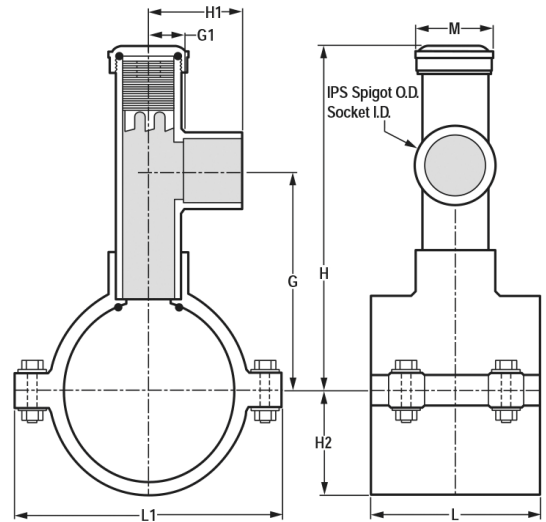
- Industrial Grade Bolt-on Saddle with EPDM or FKM O-ring Seals and Choice of Zinc Plated Steel or Type 316 Stainless Steel Hardware.
  - Built-in Brass or Stainless Steel Cutter Easily Cuts Hole in PVC, CPVC, HDPE and PP Pipe. Special Design Captures and Retains Coupon from Hole.
  - Pressure Rated 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 Service Temperatures		Pressure Rating @ 73°F	
PVC	140°F	2" - 4"	235 psi
CPVC	200°F	6"	200 psi
<b>Note:</b> Elevated service temperatures		8"	150 psi
require system 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	H	H 1	H2	L	L1	M
2 x 3/4 (1)	3-9/16	1	6-3/16	2	1-1/2	2-7/16	3-1/2	2
2 x 1-1/2 (2)	4-9/16	1-1/4	8-15/16	2-11/16	1-1/2	2-7/16	3-1/2	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	9-3/16	2-11/16	1-3/4	4-1/8	4-1/8	2-7/8
3 x 3/4 (1)	4-1/6	1	6-11/16	2	2	3	4-3/4	2
3 x 1-1/2 (2)	5-1/4	1-1/4	9-5/8	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)	5-13/16	1-1/4	10-3/16	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	3-7/8	3	8-1/8	2
6 x 1-1/2 (2)	7-1/8	1-1/4	11-1/2	2-11/16	3-7/8	4-1/8	8-1/8	2-7/8
8 x 3/4 (1)	7-1/4	1	9-7/8	2	4-7/8	8-1/2	10-1/8	2
8 x 1-1/2 (2)	8-9/16	1-1/4	12-9/16	2-11/16	4-7/8	8-1/2	10-1/8	2-7/8



Schedule 40 Fittings Technical  
**Hot-Tap Saddles Dimensions & Information**

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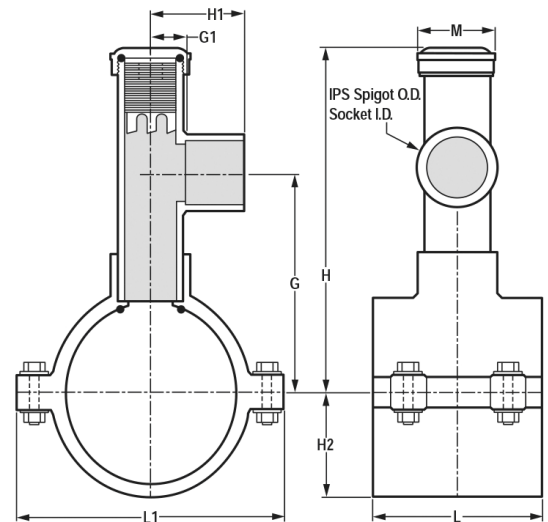
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3 x 3/4 (1)	4-1/6	1	6-11/16	2	2	3	4-3/4	2
3 x 1-1/2 (2)	5-1/4	1-1/4	9-5/8	2-11/16	2	4-1/8	4-3/4	2-7/8
4 x 3/4 (1)	4-11/16	1	7-5/16	2	2-5/8	3	5-13/16	2
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8 x 1-1/2 (2)	8-9/16	1-1/4	12-9/16	2-11/16	4-7/8	8-1/2	10-1/8	2-7/8

# Schedule 40 Fittings Technical 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

