



IDEAL PEX STUB-OUT SUPPORT SOLUTION



HOLDRITE®
CONVERTING MAKESHIFT METHODS INTO ENGINEERED SOLUTIONS™

HOLDRITE® the Expert in PEX Stub-Out Supports

For over fifteen years, HOLDRITE® has been the expert in pioneering and producing innovative PEX stub-out support products for plumbing contractors, mechanical engineers, and PEX manufacturers in the North American potable water system market.



HOLDRITE ProGuard®
#734 1/2" CTS (PEX only)

Observation and Discussion: Ideal PEX Stub-Out Solution

Below is a commonly observed schematic of a PEX stub-out within a confined wall that demonstrates the risk of extreme bending of PEX, the challenges of fitting PEX within the wall, and the ideal solution for a PEX stub-out support.

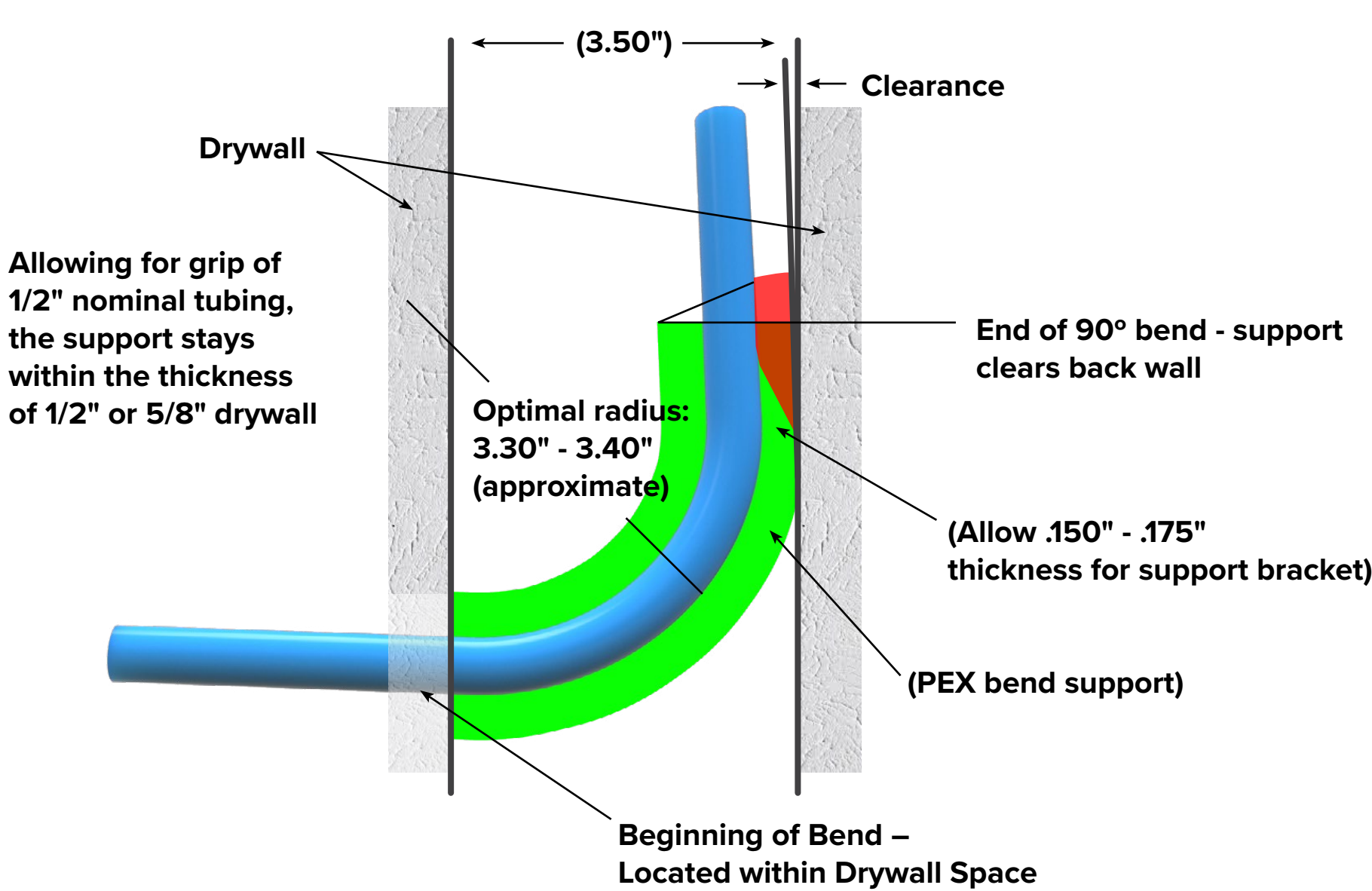
Figure 1: Schematic of Commonly Observed In-Wall PEX Stub-Out with Ideal Bend Support

Ideal Solution - Broadest PEX Bend that:

- Fits within wall, including bend support
- Remains flush with drywall surface
- Retains nominal clearance at rear of installation
- Allows nominal clearance length for gripping tubing at near right angle exit from wall



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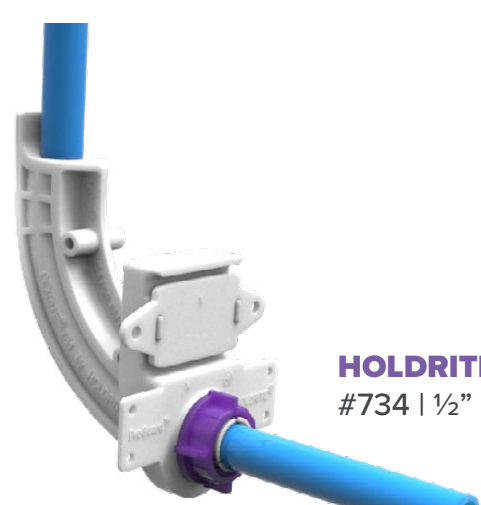
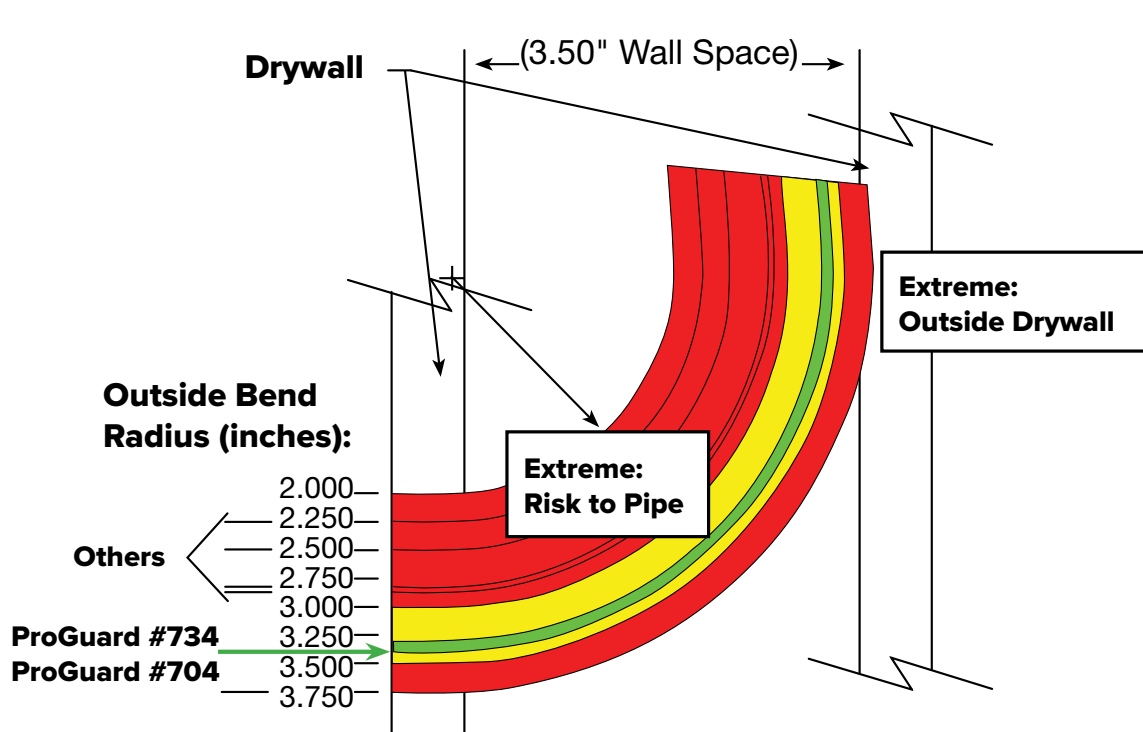
Conclusion: HOLDRITE ProGuard® #734 Optimally Designed to Protect the PEX Stub-Out

The HOLDRITE ProGuard® #734 in-wall PEX stub-out solution provides a rigid installation while maintaining the optimal outside bend radius range recommendation of 3.3" to 3.4". It also locks the stub-out in the Z-axis to prevent unwanted front to back slippage, making this patent pending design the ideal solution.

Figure 2: In Wall PEX Stub-Out Radius Analysis

Summary: Bend radius that is too small risks:

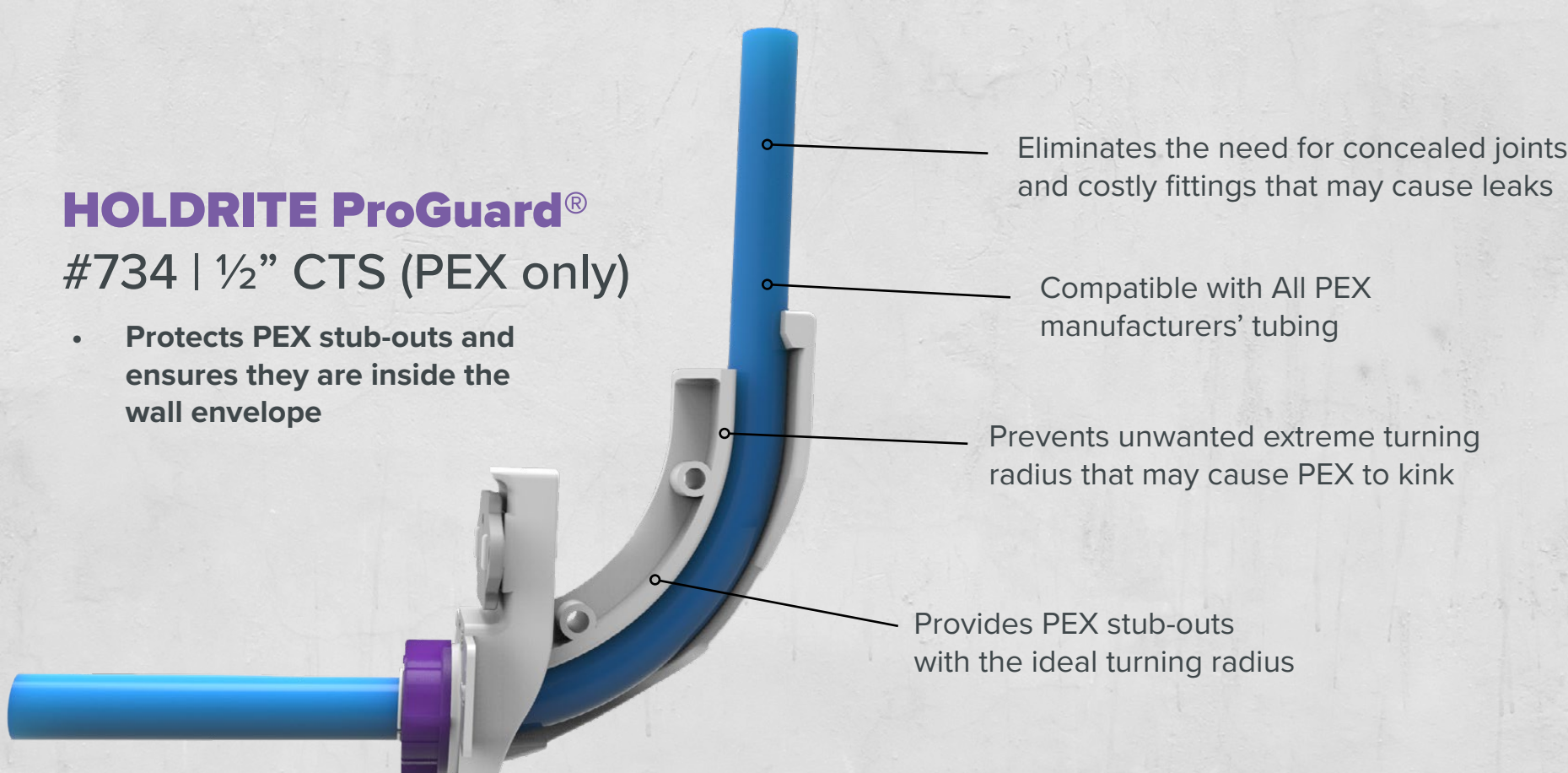
- Kinking or flattening of tubing at installation, or due to movement of tubing in wall
- Reduced flow rate
- Increased turbulence noise
- Loss of PEX tubing warranty
- Weakening or damage to tubing
- Need for repair, to replace kinked tubing



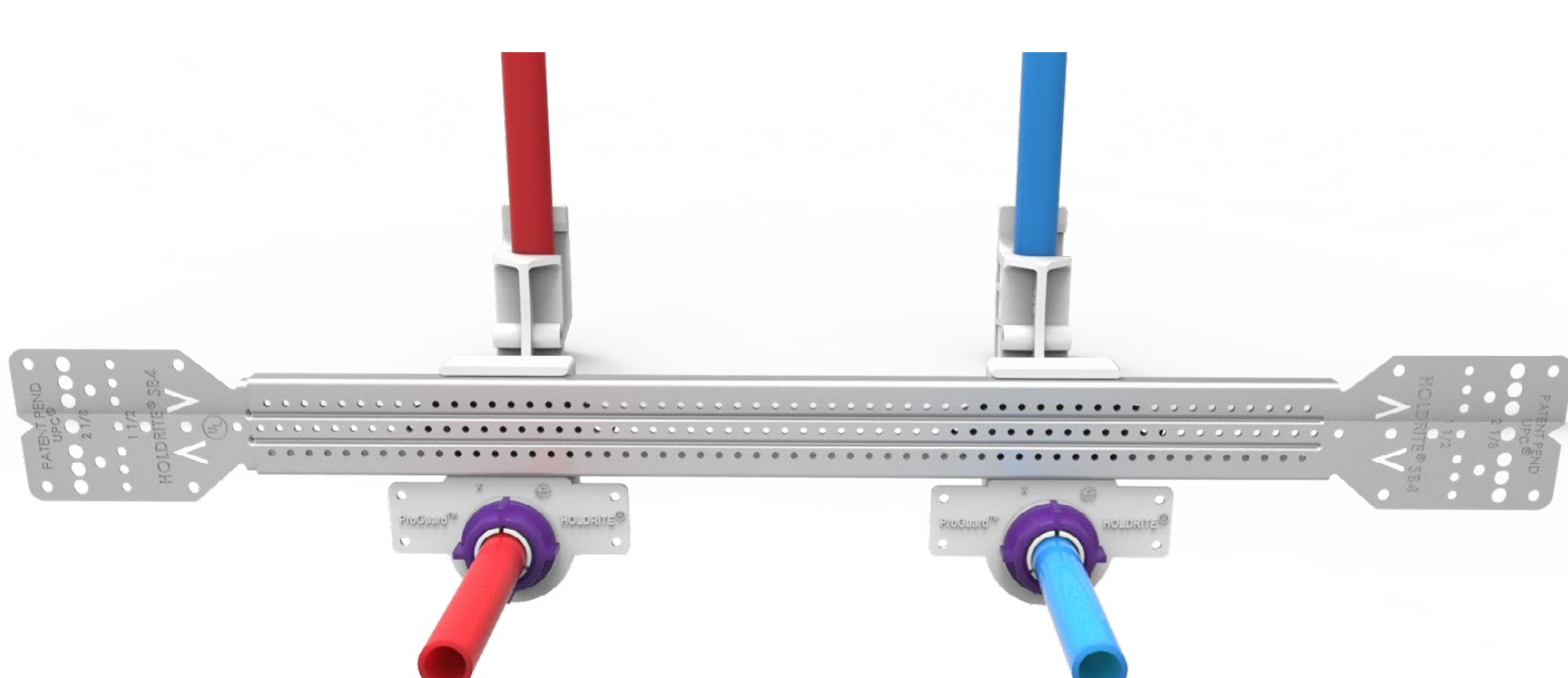
HOLDRITE ProGuard®
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- Protects PEX stub-outs and ensures they are inside the wall envelope



HOLDRITE ProGuard® PROTECT YOUR STUB-OUT



HOLDRITE ProGuard® integrates with the HOLDRITE® #SB3/#SB4 platform

HOLDRITE ProGuard® installations includes:



SHOWER



TOILET



TUB



WATER HEATER



SINK/ LAVATORY