PROSPECTIVELY RESCINDED BY
BUILDINGS BULLETIN 2014-023

NYC Buildings Department
280 Broadway, New York, NY 10007

Robert D. LiMandri, Commissioner

BUILDINGS BULLETIN 2010-010
OTCR

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Issuer: Alan Price, P.E.
Director, Office of Technical Certification and Research

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Purpose: This document establishes acceptance criteria for mechanical joints (press joints, and push-fit joints only) as required by Local Law 71 of 2009 and in accordance with the 2008 NYC Construction Codes.

Related Code Section(s):

AC	28-113.1	PC	604	LL	71/09
AC	28-113.3.4	PC	605.14.2		
MC	1203.3.2	PC	605.15.3		

Subject(s): Water supply and distribution, mechanical joint, mechanical joint piping system.

Background: Pursuant to Local Law 71 of 2009 mechanical joints shall be in conformance with acceptance criteria established by the commissioner. This bulletin recognizes acceptance criteria for mechanical joints in accordance with the applicable New York City codes.

Description: This bulletin addresses press joints and push-fit joints only

Press joints – A permanent mechanical joint incorporating an elastomeric seal, or an elastomeric seal and corrosion-resistant grip ring. The joint is made by inserting the pipe in the joint and pressing with a manufacturer approved pressing tool.

Push-fit joints – A type of mechanical joint consisting of elastomeric seals and corrosion-resistant tube grippers. The joint is made by pushing the pipe into the joint and allowing the grippers to secure the connection.

Evaluation Scope: 2008 NYC Construction Codes

Evaluation Criteria: Pursuant to AC 28-113, the Office of Technical Certification and Research recognizes press joints and push-fit joints tested, designed and evaluated in accordance with the following:

Press joints	IAPMO PS 117, *"Copper and copper alloy tubing system incorporating press-type or nail-type connection"*[1] , or ICC-ES PMG LC1002, "*PMG listing criteria for press-connection fittings for potable water tube and radiant heating systems"*[2].

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Push-fit joints	ASSE 1061, *"Performance requirement for push-fit fitting"*[3] , or ICC-ES PMG LC1009, *"PMG listing criteria for push-fit fittings for potable water tube and radiant heating systems"*[4].

Press joints and push-fit joints shall be listed and labeled by an approved agency in accordance with AC 28-113.3.4 and shall comply with the conditions of this bulletin.

Uses: Press joints and push-fit joints may be used in water supply and distribution piping systems where permitted by Chapter 6 of the Plumbing Code and shall be installed with a water hammer arrestor as required by section PC 604. Mechanical joints shall be permitted in both above and underground applications.

Restriction: Removable mechanical joints are prohibited.

Conditions of Acceptance: Press joints and push-fit joints shall be designed and installed in accordance with the 2008 NYC Construction Codes and other applicable provisions including but not limited to the following:

A. Design

1. Press joints and push-fit joints shall be specified in accordance with the manufacturer's recommendations and the conditions of the listing.

B. Installation Requirements

1. Installation requirements shall be in accordance with manufacturer's instructions, the applicable listing agency, and the conditions of this bulletin.
2. Installation shall be performed by a licensed master plumber only.
3. Press joints and push-fit joints shall be labeled as per section AC-113.4. All shipment and deliveries of materials shall be accompanied by a label certifying the material shipped or delivered are equivalent to those tested and approved.

Referenced Standards:

1. IAPMO PS 177 – *"Copper and copper alloy tubing system incorporating press-type or nail-type connection*"
2. ICC-ES PMG LC1002 - "*PMG listing criteria for press-connection fittings for potable water tube and radiant heating systems"*
3. ASSE 1061 – *"Performance requirement for push-fit fitting"*
4. ICC-ES PMG LC1009, *"PMG listing criteria for push-fit fittings for potable water tube and radiant heating systems"*

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