

# Reliable®

## Features

- 1/2" (15 mm) and 3/4" (20 mm) NPT thread sizes in multiple lengths
- Machined from forged brass bar stock

## Product Description

Reliable brass extension nipples are intended to be used to install fire sprinklers in applications where the takeout from the fitting to the finished ceiling or wall exceeds the adjustment range of the fire sprinkler. Brass extension nipples provide a convenient method of extending the outlet closer to the finished ceiling or wall surface. They are machined from forged brass bar stock and have a knurled exterior for hand tightening the extension nipple into the fitting or onto the fire sprinkler. Reliable brass extension nipples have NPT threads.

## Installation

Verify compatibility of the brass extension nipple threads with the fitting and sprinkler threads prior to installation. Select the appropriate length brass extension nipple to allow the sprinkler to be installed within its allowable adjustment range without overtightening the sprinkler or brass extension nipple into the fitting. Inspect all threads for defects, such as burrs, prior to installation and replace any component having threads with defects. Apply 2 to 3 wraps of PTFE tape to the male threads of the brass extension nipple and to the male threads of the fire sprinkler. Hand tighten the female threads of brass extension nipple onto the male threads of the sprinkler. Install the brass extension nipple and sprinkler assembly into the fitting in accordance with the installation instruction for the sprinkler. **DO NOT EXCEED A TORQUE OF 18 LB-FT (24 N-M) FOR 1/2" (15 MM) THREADS AND 20 FT-LB (27 N-M) FOR 3/4" (20 mm) THREADS.**

Reliable brass extension nipples shall be installed in accordance with NFPA 13, "Standard for the Installation of Sprinkler Systems" as well as the requirements of any authorities having jurisdiction. Verify compatibility of the brass extension nipple material with the water supply and the environment where it will be installed prior to installation.

## Ordering Information

Specify the following when ordering:

### Model

Reliable Brass Extension Nipple

### Size (Nominal Thread Size x Takeout)

- 1/2" x 1/2" (15 mm x 13 mm)
- 1/2" x 3/4" (15 mm x 19 mm)
- 1/2" x 1" (15 mm x 25 mm)
- 1/2" x 1-1/2" (15 mm x 38 mm)
- 1/2" x 2" (15 mm x 51 mm)
- 3/4" x 1/2" (20 mm x 13 mm)
- 3/4" x 3/4" (20 mm x 19 mm)
- 3/4" x 1" (20 mm x 25 mm)

## Brass Extension Nipples



1/2" Brass Extensions



3/4" Brass Extensions

## Maintenance

Fire protection systems shall be inspected and tested in accordance with NFPA 25, "Inspection, Testing and Maintenance of Water Based Fire Protection Systems."

## Guarantee

For The Reliable Automatic Sprinkler Co. Inc. guarantee, terms, and conditions, visit [www.reliablesprinkler.com](http://www.reliablesprinkler.com). For additional warranty information on Reliable Brass Extension Nipples see the WARNINGS section of this technical bulletin.

## WARNINGS

**RELIABLE BRASS EXTENSION NIPPLES ARE MADE OF BRASS CONTAINING LEAD AND ARE NOT FOR USE IN SYSTEMS CARRYING WATER FOR HUMAN CONSUMPTION. RELIABLE BRASS EXTENSION NIPPLES ARE SOLD AS-IS AND WITH ALL FAULTS. RELIABLE MAKES NO WARRANTY OF ANY KIND FOR THE BRASS EXTENSION NIPPLES; USE THEM AT YOUR OWN RISK. RELIABLE WILL NOT BE RESPONSIBLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES ASSOCIATED WITH THE USE OF BRASS EXTENSION NIPPLES. IN THE EVENT THAT ANY PORTION OF THE ABOVE IS FOUND TO BE INVALID OR UNENFORCEABLE, THE GUARANTEE FOUND IN RELIABLE'S TERMS AND CONDITION OF SALE AT [WWW.RELIABLESPRINKLER.COM](http://WWW.RELIABLESPRINKLER.COM) SHALL APPLY.**

Brass extension nipples should only be used when there is no other installation option available and only then when carefully installed. Reliable brass extension nipples have not been tested or approved by any third-party approval agency or authority having jurisdiction. Proper thread sealant must be used in accordance with the Installation instructions contained in this document. **DO NOT OVERTIGHTEN** the sprinkler or brass extension nipple, doing so may cause failure of the brass extension nipple, water damage, and impairment of the fire protection system. Such failure may not occur immediately upon installation or during hydrostatic pressure testing of the fire protection system but may occur at a later date. By installing brass extension nipples you acknowledge that you have read and understand these Warnings and that you accept responsibility for use of this product and any damage caused by failure of the product for any reason.