



EXTENSION FITTINGS ON AUTOMATIC SPRINKLER SYSTEMS

Date: June 2015 Effective Date: Immediately

INTERPRETATION

2015-3



What: Sprinkler extenders have been used for years in the fire sprinkler industry, typically when the finished ceiling or sprinkler types have changed.

Why: The brass extension fittings as depicted above are not specifically addressed by NFPA 13 (2013). However, the NFPA 13 Technical Committee has addressed the use of sprinkler extenders in the forthcoming [2016 edition of NFPA 13](#).

Brass sprinkler extensions are permitted, provided their use complies with the following criteria:

- Extension fittings shall be permitted to be used with sprinklers K-8.0 or smaller.
- Extension fittings shall be permitted to be used with sprinklers in light hazard and ordinary hazard occupancies only.
- The internal diameter of extension fittings shall have the same nominal inlet diameter of the attached sprinkler.
- A single extension fitting up to a maximum of 2 inches in length shall be permitted to be installed with a sprinkler.
- Extension fittings longer than 2 inches shall not be permitted unless listed by Underwriters Laboratory or Factory Mutual approved.
- Extension fittings 2 inches and less shall not be required to be included in the hydraulic calculations.
- Extension fittings shall be installed per the manufacturer's instructions.
- Technical data sheets shall be available for the fire code official upon request.

