



FlameGuard™ STAINLESS STEEL REINFORCED (SR) CPVC FIRE SPRINKLER HEAD ADAPTER FITTINGS

FS-2B-1198

Advanced Technology Patented Design • UL Approved!



Spears' patented stainless steel reinforced (SR) plastic female thread design is one of the most significant advancements in the use of CPVC fire sprinkler system threaded fittings. Not just an added ring, this unique precompression design compensates for expansion forces generated from tapered pipe thread joint make-up. Radial-stress is no longer a problem in normal installations and easily managed in severe over tightening situations.

One-Piece Fitting Construction

One-piece fitting design increases reliability and maintains system integrity. Special "Blunt-Start" plastic thread reduces potential for cross-threading.

Designed for Sprinkler Heads & Plastic-to-Metal Transitions

Spears patented SR design and manufacturing process allows direct connection to fire sprinkler heads or threaded metal pipe through one simple adapter. Material thermal expansion/contraction differences are equalized by the restraining collar. You get low cost, worry-free plastic-to-metal transitions every time.

Chemical & Corrosion Resistant

SR Adapters are produced in CPVC thermoplastic compound for superior chemical and corrosion resistance to system fluids.

Full ASTM Schedule 80 Conformance

All SR Sprinkler Head Adapters conform to ASTM F 439 dimensional and hydrostatic pressure test requirements.

Potable Water Approved

National Sanitation Foundation (NSF) Certified, lead-free thermoplastic compounds are safe for use in drinking water systems.

Available in 1/2" through 1-1/4" Thread Sizes

Spears FlameGuard™ SR Sprinkler Head Adapters are available in slip socket or spigot by SR Thread configurations including Sprinkler Head Tees, 90° Elbows and Female Adapters.

Stainless Steel Precompression Collar

Provides Full-Length Reinforcement

Hexagonal Wrench Flats

Ease Threaded Joint Make-up



Full Schedule 80 Wall Thickness

For Superior Joint Integrity

Tested & Approved by Underwriters Laboratories

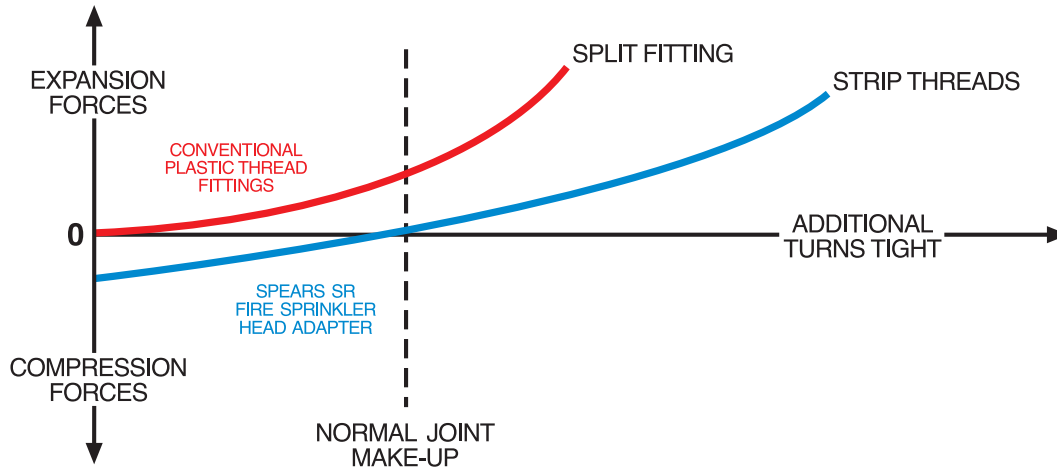
Spears FlameGuard™ Fire Sprinkler Piping Products are Listed by Underwriters Laboratories for use in: Light Hazard occupancies as defined in the Standard for Installation of Sprinkler Systems, NFPA 13; Residential occupancies as defined in the Standard for Installation of Sprinkler Systems up to Four Stories in height, NFPA 13R; Residential occupancies as defined in the Standard for Sprinkler Systems in One and Two Family Dwellings and Mobile Homes, NFPA 13D; and, Air Conditioning and Ventilation Systems, NFPA 90A.



Quality Systems Certificate No. 293
Corporate Facilities, Sylmar, CA
Assessed to ISO 9001

SPEARS Patented SR Design Contains and Compensates for Radial Stress . . .

Radial stress generated by tightening of tapered pipe threads exerts tremendous expansion forces on female plastic thread fittings. When subjected to over-tightening — even accidentally — these forces can literally split the fitting. Spears patented SR Adapter design not only alleviates this problem by containing expansion forces with its stainless steel collar, but additionally compensates for expansion stress through thermoplastic material compression. Stresses are equalized at normal joint make-up. The following graph illustrates this effect in a comparison of conventional plastic female thread fittings with Spears SR adapters when taken to failure.



Another Quality Spears Product Designed for Performance, Customer Satisfaction and Service

NOT FOR USE WITH COMPRESSED AIR OR GASES

THREADED CONNECTIONS — Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC.** Spears Manufacturing Company recommends the use of Spears BLUE 75™ Thread Sealant which has been tested for compatibility with Spears products. Please follow the sealant manufacturers' application/installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond FINGER TIGHT is generally all that is required to make a sound plastic threaded connection. Unnecessary OVERTIGHTENING will cause DAMAGE TO BOTH PIPE AND FITTING.

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