

SPRINKLER-TO-SPRINKLER SPACING

LAYOUT FOR STANDARD SPRAY SPRINKLER SERIES BY MEYERFIRE UNIVERSITY | NOVEMBER 2022

SUMMARY

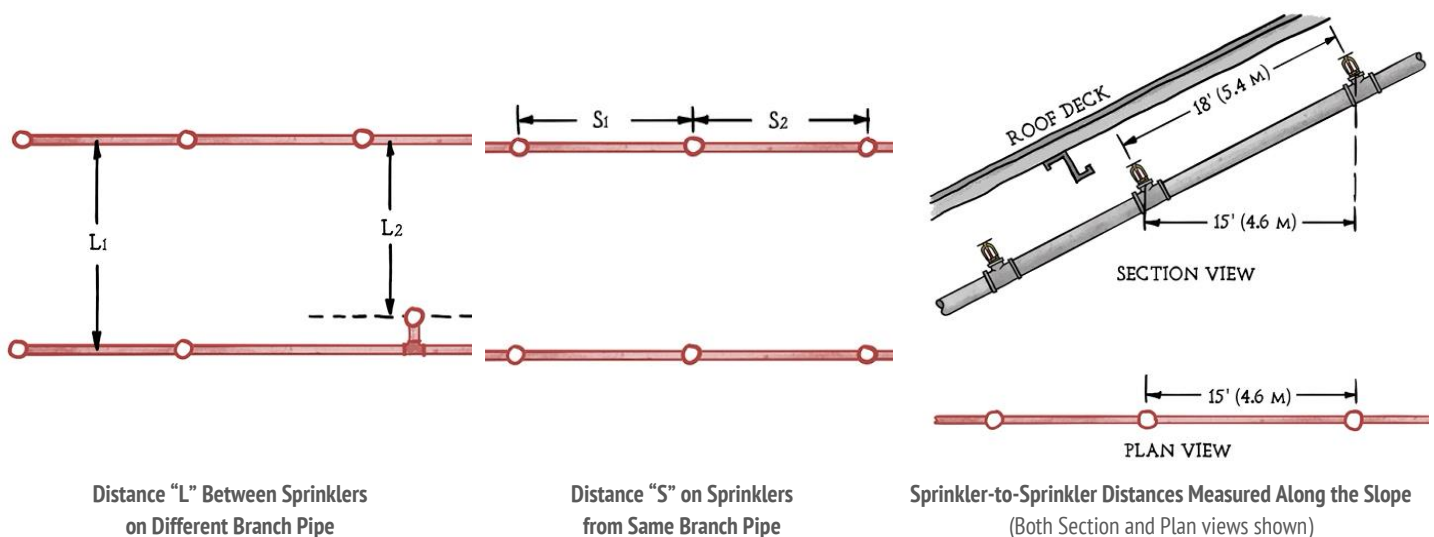
One of the important distances we observe in laying out sprinklers is the **sprinkler-to-sprinkler distance**. NFPA 13 (a common standard used that we're covering here) has both **maximum** and **minimum** sprinkler spacing rules.

Sprinkler-to-sprinkler distances are **measured**:

- **Perpendicular** to a branch pipe (regardless of the room orientation)
- **Along the slope** of a roof or ceiling (not the distance in a two-dimensional "floor plan" view)
- From centerline of a **sprinkler to the sprinkler** and not from the branch pipe.

Minimums & Maximums:

- Maximum sprinkler spacing is defined in NFPA 13 Tables 10.2.4.2.1(a) through (d) for Standard Spray Pendent and Upright sprinklers.
- Minimum sprinkler spacing is 6-ft (1.8 meters) for standard spray pendants and uprights, from Section 10.2.5.4.



CODE/STANDARD REFERENCES



NFPA 13 – 2022: 10.2.5.4 Minimum Distance Between Standard Spray Sprinklers

NFPA 13 – 2022: Table 10.2.4.2.1(a) through (d) Sprinkler Spacing Limits for Standard Spray Uprights & Pendants

VIDEO LINK

www.meyerfire.com/university/spacing-for-standard-uprights-pendants

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