



SPECIFICATIONS

M-FR, MA-FR

M-FR, MA-FR Series Suggested Specifications:

Fire rated ceiling diffusers shall be Tuttle & Bailey Models M-FR for fixed horizontal discharge pattern or MA-FR for adjustable discharge pattern. Units shall be UL classified fire rated ceiling diffuser assemblies listed in Underwriters Laboratories Fire Resistance Directory. Diffusers shall be tested in accordance with UL 263 and must meet NFPA 90A requirements. Diffusers shall be able to operate in three hour fire rated, exposed grid, suspended ceilings and shall be installed in accordance with the installation instructions.

The outer margin shall be the size and style to match project plans and schedules. A square inlet shall be an integral part of the margin assembly. The inner louver assembly shall be flush with outer margin with a 1, 2, 3, or 4-way directional pattern. Individual louvers shall have a horizontal lip to create a ceiling pattern even at reduced air flows. The inner core assembly must be removable in the field without the use of tools.

The paint finish shall be the Tuttle & Bailey White (WH) electrocoat finish. The finish shall be an anodic paint, baked at 315°F for 30 minutes with a pencil hardness HB to H.

The manufacturer shall provide published performance data tested in accordance with ANSI/ASHRAE Standard 70-1991.

Model	*Width	*Height	Deflection Pattern	Margin	Module Size	Accessories	Finish
M-FR	6" to 21" in 3" increments	6" to 21" in 3" increments	1SQ - 1-Way Square 2SQ - 2-Way Square 2CS - 2-Way Corner Square 3SQ - 3-Way Square 4SQ - 4-Way Square	LT - Lay In T-bar	12x12 24x24	00 - None EX - Extended Neck FV - Fusible Volume Adjustment Control FS - 165 °F Fusible Link (212 °F Standard) Up to three accessories can be selected.	WH - White ML - Mill AP - Aluminum Paint OW - Off White FB - Flat Black MP - Match Paint
MA-FR	6" to 21" in 3" increments	6" to 21" in 3" increments	1SQ - 1-Way Square 2SQ - 2-Way Square 2CS - 2-Way Corner Square 3SQ - 3-Way Square 4SQ - 4-Way Square	LT - Lay In T-bar	12x12 24x24	00 - None EX - Extended Neck FV - Fusible Volume Adjustment Control FS - 165 °F Fusible Link (212 °F Standard) Up to three accessories can be selected.	WH - White ML - Mill AP - Aluminum Paint OW - Off White FB - Flat Black MP - Match Paint

Refer to page CD34 for patterns and descriptions.

*Square neck only. 21x21 is only available with M-FR.

Example: M-FR - 12 - 12 - 4SQ - LT - 24x24 - EX - WH