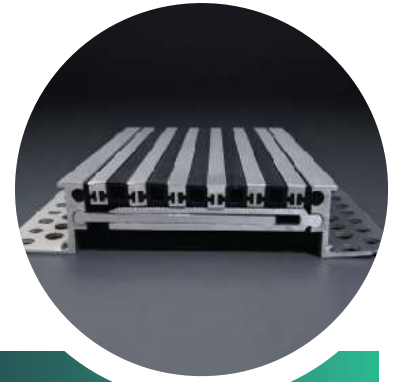


Profile Details

The FR-05 is a flush-mounted aluminum expansion joint system integrated with a durable rubber insert, engineered for use in walls, ceilings, and floors. Its recessed design ensures a seamless transition across surfaces while maintaining flexibility, durability, and long-term performance under structural and thermal movement.



Application

The FR-05 functions as a recessed-mounted system that accommodates building movements while preserving surface continuity. Its EPDM rubber insert provides elasticity, resilience, and slip resistance, making it adaptable for multiple applications. This system is suitable for floor finishes in pedestrian/light traffic areas, as well as walls and ceilings in commercial, institutional, and public buildings where aesthetics and performance must be balanced.

Material & Finish

The FR-05 is manufactured from high-grade aluminum alloy 6063-T6, in compliance with ASTM B-221/B-221M, and fitted with a rubber insert available in black, grey, and beige. Available finishes include anodized, mill, and brushed aluminum, with optional powder coating to match project needs.

Compatibility

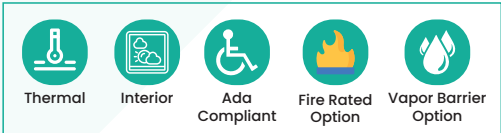
The FR-05 is compatible with a variety of finishes such as tile, marble, terrazzo, vinyl, concrete, gypsum, and plaster surfaces. Its recessed design makes it suitable for new construction and retrofit projects, offering versatility across floors, walls, and ceilings.

Optional Accessory

The FR-05 can be equipped with PVC or EPDM vapor barriers for moisture protection. For fire-rated projects, compatible fire barriers (rope or blanket type) may be integrated to meet safety requirements.

Profile Guide

Recessed Mounted Expansion joint System for Floor,
Wall and Ceiling Applications / -30 to 120 degrees



Application	Joint Width (mm)	Fram Height (H) (mm)	Sightline (S) (mm)
Floor	30	43	45 (F) 38 (C)
	50	43	65 (F) 58 (C)
	75	43	90 (F) 83 (C)
	100	43	115 (F) 108 (C)
	150	43	165 (F) 158 (C)
Wall & Ceiling	30	17	58 (F) 44 (C)
	50	17	78 (F) 64 (C)
	75	17	103 (F) 89 (C)
	100	17	128 (F) 114 (C)
	150	17	178 (F) 164 (C)

Materials Specifications

Chemical Composition 6063

Application	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr
Composition of 6063 as per ASTM B-221	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1

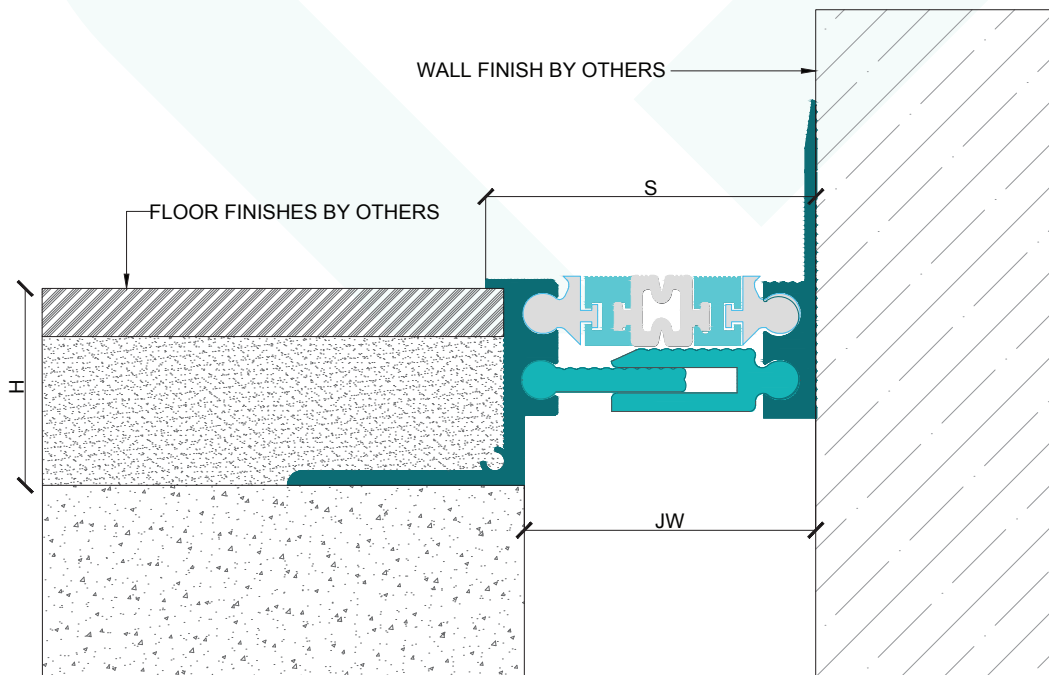
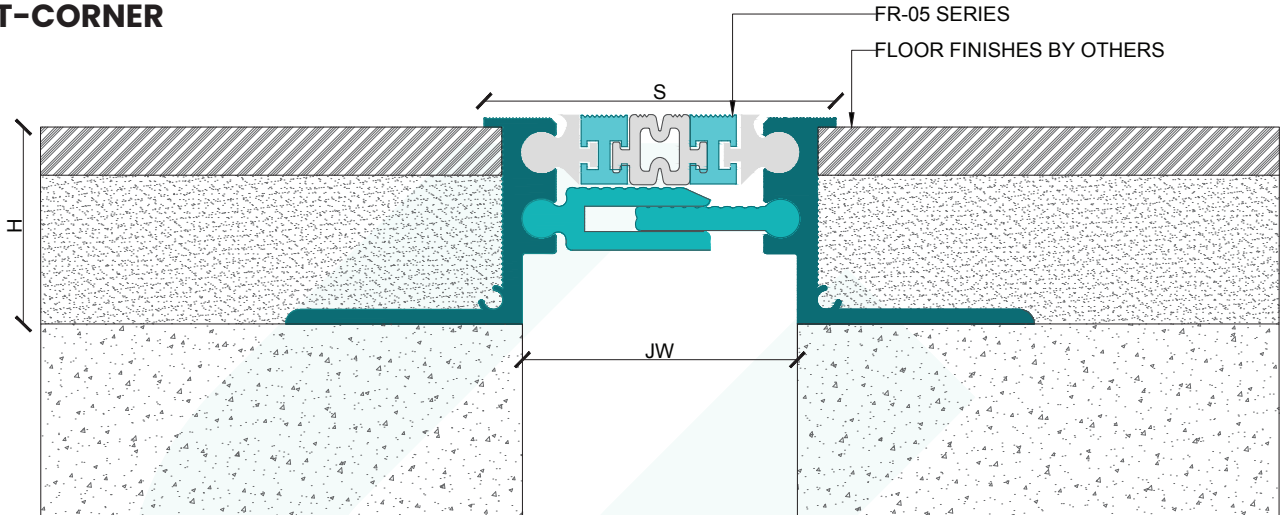
Materials Specifications

Physical Properties 6063-T6

Specialties	Unit	Value
Density	gm/cm ³	2.71
Tensile Strength	MPA	206
Elongation in 2 inch or 50 mm	Percent	8%
Yield Strength	MPA	172

Materials Specifications

FLAT-CORNER



Materials Specifications

FLAT-CORNER

