Expansion Joint Type

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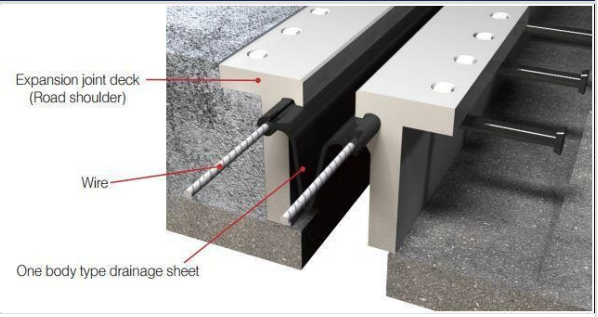
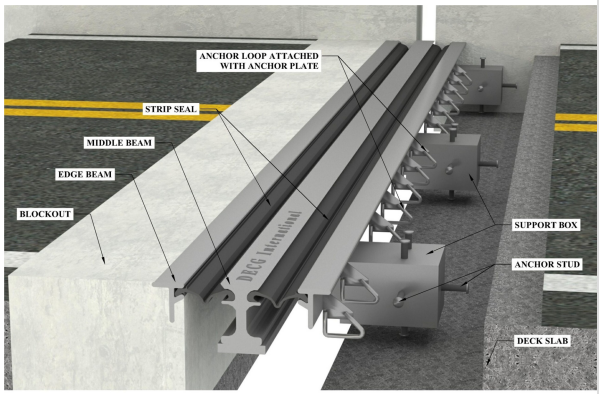
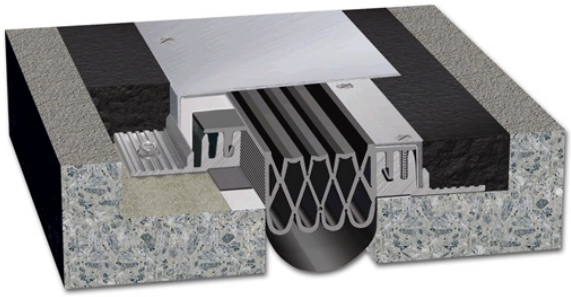
AWM Table:	**Bridges**
Attribute:	**Expansion Joint Type**
Purpose:	To identify the type of expansion joint used in a bridge, which helps assess how the structure accommodates movement caused by temperature changes, traffic loads, and foundation shifts. This supports effective inspection, maintenance, and replacement planning.

Value	Description	Photo Example
Air Gap	A simple open space between deck segments with no filler, allowing free movement but offering no protection against debris or water.	
Bitumen Filled Gap	To prevent water and debris from entering bridge joints, they need to be sealed with an air-tight, waterproof, and flexible material. Bitumen filled gaps, also known as asphalt plug joints, are good quality closed joint solutions for new bridge construction or bridge rehabilitation.	
Metal Finger Joint	Also known as finger expansion joint, consists of symmetrical or non-symmetrical elements (such as comb or saw-tooth or sinusoidal plates) which are anchored on one side of the deck joint gap and interpenetrate to bridge deck joint gap.	

Value	Description	Photo Example
Metal Sliding Plate	It's made up of two overlapping steel plates that are attached to the bridge deck on either side of the expansion joint opening. The plates are usually bolted to timber decks or embedded into concrete decks.	
Modular Joint	The Modular Expansion Joint System (MEJS) is a mechanical device installed in bridge expansion joint openings. The primary function of the MEJS is to allow vehicle traffic to travel smoothly across large expansion joint openings.	 MODULAR STRIP SEAL EXPANSION JOINT
Rubber Extrusion Reinforced	A rubber expansion joint is a flexible connector to absorb noise, shock, vibration, physical and thermal energy. Made of natural or synthetic elastomers it may be internally reinforced with fabrics and metal for strength and pressure resistance whilst metal reinforcement may be used externally for movement control.	

Value	Description	Photo Example
Rubber Extrusion Unreinforced	A rubber joint shaped to fit the gap, without internal reinforcement, used to absorb movement and keep out water and dirt.	
Rubber Seal (Solid)	A solid piece of rubber fitted into the joint, allowing minor movement and providing a seal against moisture.	
Rubber Seal and Vertical Metal Plate	A rubber seal and vertical metal plate bridge expansion joint typically includes a flexible elastomer encased around a steel bridging plate system and steel angles.	
Rubber Strip Seal	A mechanical device adapted for sealing an elongated gap formed between two adjacent road slab sections by providing a continuous support for vehicles crossing the gap while allowing the desired temperature responsive movement of the road slab sections.	

Value	Description	Photo Example
Other	Any type of expansion joint not listed, such as fabric joints, modular systems, or custom-made solutions.	

[Supporting Note Header]

[Supporting Notes to further explain any exceptions or special situations or to help provide further clarity]