

Description

RJW Finger Joints are a cantilevered steel tooth expansion joint. They are composed of pairs of independent elements with parallel teeth provided in lengths from 3 feet to full roadway widths.

Basic Uses

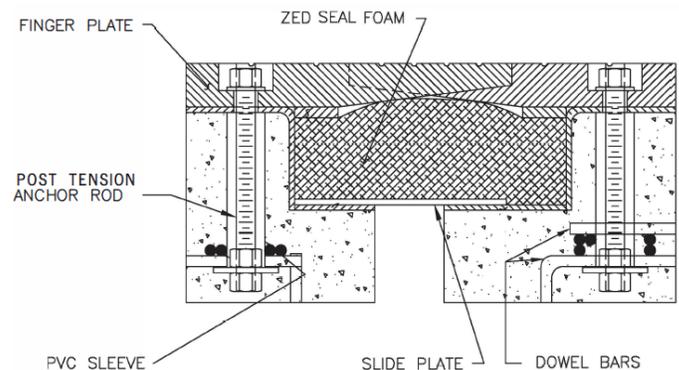
RJW Finger Joints are used to provide support to vehicles as they travel across bridge expansion joint openings. They create an effective seal at the joint opening, preventing water and deleterious materials from contacting the steel support girders and bearings below.

Type S Finger Joint



Features

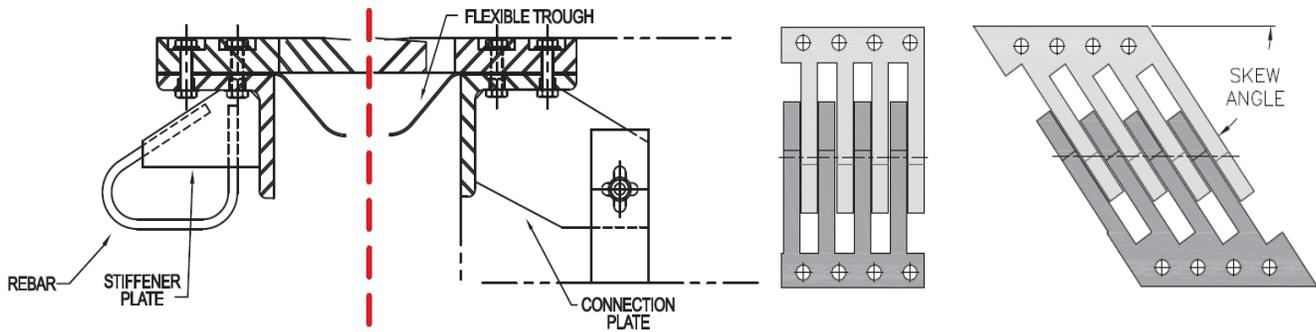
- A simplistic design with no moving parts
- Designed to accommodate any bridge deck expansion joint movement
- A smooth transition for vehicular traffic resulting in low noise
- Designed for ease of maintenance with a small crew and minimal lane closure time
- Can be supplied with integral self-cleaning closed cell foam seals or a durable neoprene trough to channel water away from the structure
- Designed to be replaced without the need for excavation of the anchorage system
- Can be supplied in three-foot lengths to permit ease of installation without the need for heavy lifting equipment
- Can be fabricated to meet bridge deck skews
- Lasts the life of the bridge deck under normal circumstances
- Can be supplied with post tensioned anchors into concrete headers, cast into concrete block outs, or bolted to existing steel members



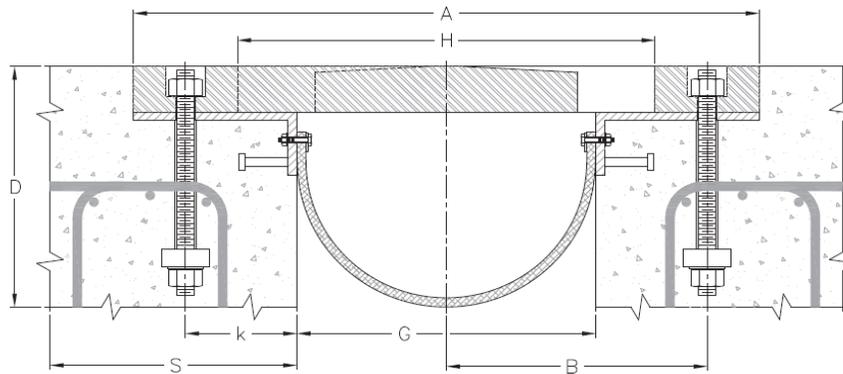
Cast in Concrete

Attached to Steel

Available at Various Skew Angles



Typical Dimensions



Type	Movement Capability (+/-)	G		A		D	S	K	H		B	
		Min.	Max.	Min.	Max.				Min.	Max.	Min.	Max.
RJW .CF-3	3	4.40	10.40	17.06	23.06	13.38	12.73	4.57	9.00	15.00	6.77	9.77
RJW .CF-4	4	6.40	14.40	19.56	27.56	14.33	12.98	4.82	11.00	19.00	8.02	12.02
RJW .CF-5	5	6.80	16.80	22.40	32.40	14.69	14.20	5.89	13.00	23.00	9.29	14.29
RJW .CF-6	6	7.80	19.80	24.40	36.40	15.44	14.70	6.39	15.00	27.00	10.29	16.29
RJW .CF-7	7	9.80	23.80	28.20	42.20	15.74	15.60	7.29	17.00	31.00	12.19	19.19
RJW .CF-8	8	10.40	26.40	29.30	45.30	15.94	15.85	7.54	19.00	35.00	12.74	20.74
RJW .CF-9	9	12.80	30.80	33.35	51.35	17.55	16.67	8.22	21.00	39.00	14.62	23.62
RJW .CF-10	10	12.80	32.80	34.35	54.35	17.70	17.17	8.72	23.00	43.00	15.12	25.12
RJW .CF-11	11	13.80	35.80	36.35	58.35	17.85	17.67	9.22	25.00	47.00	16.12	27.12
RJW .CF-12	12	15.80	39.80	39.35	63.35	20.10	18.17	9.72	27.00	51.00	17.62	29.62
RJW .CF-13	13	16.80	42.80	41.35	67.35	21.35	18.67	10.22	29.00	55.00	18.62	31.62

Table units are all in Inches

