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Qualified Product List of Bridge Compression Seals, January 10, 2011

Maine Department of Transportation



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**Maine Department of Transportation
Qualified Product List of
Bridge Compression Seals**

Meeting Requirements of MaineDOT Standard Specifications (2002) Sections 520 & 714

Preformed Elastomeric Joint Seals shall be specified on the contract documents when applicable to projects. Each seal shall be specified by a Movement Rating, which shall be the design movement of the bridge, (30 mm/30 m). At fixed joints a Movement Rating of 13 mm is specified unless an engineering evaluation of the joint geometry indicates the need for a larger value. Listed below is a table of Compression Seals prequalified for the Movement Ratings and Maximum Skew Angles indicated.

Movement Rating (mm)	Maximum Expansion Length (m)	Manufacturer			
					
		<u>D.S. Brown Co.</u> 300 East Cherry St. North Baltimore, OH 45872 (419) 257-3561		<u>Watson Bowman Acme Corp.</u> 95 Pineview Dr. Amherst, NY 14228 (800) 677-4922	
		Delastic® Seal	Max Skew	Wabo® Compression Seal	Max Skew
13	12	CV1625	40 °	WA175	35 °
16	15	CV1752	35 °	WA175	35 °
19	18	CV2000*	35 °	WA200	35 °
22	21	CV2502	30 °	WA250	30 °
25	24	CV2502	30 °	WA250	30 °
28	27	CV2502	30 °	WA300	25 °
31	30	CV3000	25 °	WA300	25 °
34	33	CV3000	25 °	WA350	25 °
38	36	CV3000	25 °	WA350	25 °
42	40	CV3500 or H3500	25 °	WA400	25 °
45	43	CV3500 or H3500	25 °	WA500	25 °
48	46	CV4000	25 °	WA500	25 °
52	50	CV4000	25 °	WA500	25 °
57	55	CA5001	25 °	WA500	25 °
63	60	CA5001	25 °		

*Use for retrofitting of existing joints only!

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1. Notes: The Movement Rating shown is to be used as the actual movement of the joint parallel to the direction of expansion. Although the Standard Details show a Movement Rating at 7° C to be normal to the centerline of bearings, no reduction in the Movement Rating will be made for skewed structures. This will compensate for movements in the transverse direction.
2. Seals of 102 mm nominal width at skew over 15° and all seals wider than 102 mm will exceed the 89 mm max. joint opening allowed and should only be used in combination with plates or other means that will reduce the joint opening at the pavement surface to 89 mm or less.
3. Special design consideration is required for skew between 30° and 50° back on the right (skewed either way on the Interstate) because of the danger of a snowplow blade catching in the joint.

Contact Manufacturers for instructions and recommendations. Seals can be manufactured with required skew as well as in one piece including roadway, face and top of curb configurations.

PLEASE NOTE: Products often times may have multiple uses. Products appearing on this particular list are expressly pre-qualified for this category of usage only. Do not use these products for any other application unless this product is noted on other lists.

Sales Representatives seeking approval of a new product should submit their product's Materials Technical Data Sheet, Instructions for Installation, Material Safety Data Sheet, and a completed copy of the [MaineDOT Preliminary Information for Product Evaluation Form](#).

If you are experiencing difficulties reading or printing this page, or any page on the Qualified Products List website, please contact the Product Evaluation Coordinator at 207-624-3268.

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