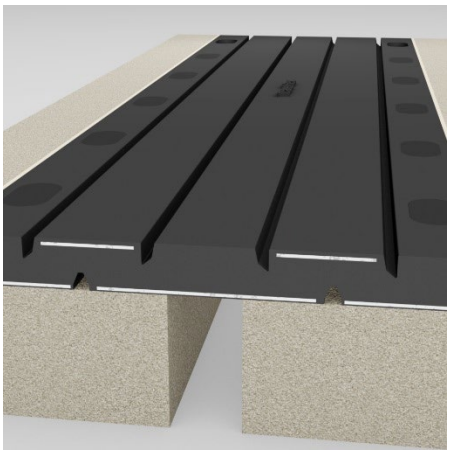
Wabo®TransFlex

Molded Rubber Segmental Expansion Joint System

Features	Benefits
• Staged Construction	Segmented joints section allows for minimizing traffic down time during installation and maintenance. Panels can be replaced in lieu of entire system.
• Sound Dampening Design	Provides a low noise and smooth riding surface when transitioning from roadway across the joint.
• Durability	Combines the strength of steel and the flexibility of elastomeric rubber providing a durable surface under traffic
• Ease of Installation	No welding required on site, tongue and groove connection.



DESCRIPTION:

Wabo®TransFlex is a steel reinforced elastomeric molded rubber expansion joint system. Features a tongue and groove fittings for tight end-to-end mating across decks and at curbs. Ideal for new deck construction, rehabilitation projects and supports skew angles. Wabo®TransFlex system creates a level smooth riding, wear-resistant surface while accommodating anticipated thermal movemements

RECOMMENDED FOR:

- Shallow concrete depth applications Bridges, decks and ramps
- Expansion joint applications with maximum movement of 13 inches
- New construction or repair and maintenance of existing joints

PACKAGING/COVERAGE:

- Standard 6-foot panel lengths are provided with the exception of Model 1300, which are 4-foot panels.
- Sikaflex-NP1 is an elastomeric compound used to seal the edge voids. Sealant is supplied in 10.1 oz tubes.
- Bolt hole cavities are typically filled with WaboCrete® II (Part A & B)
- Includes bolting hardware and adhesive bedding tape.
- Optional factory manufactured upturns
- Coverage for all components will depend on void

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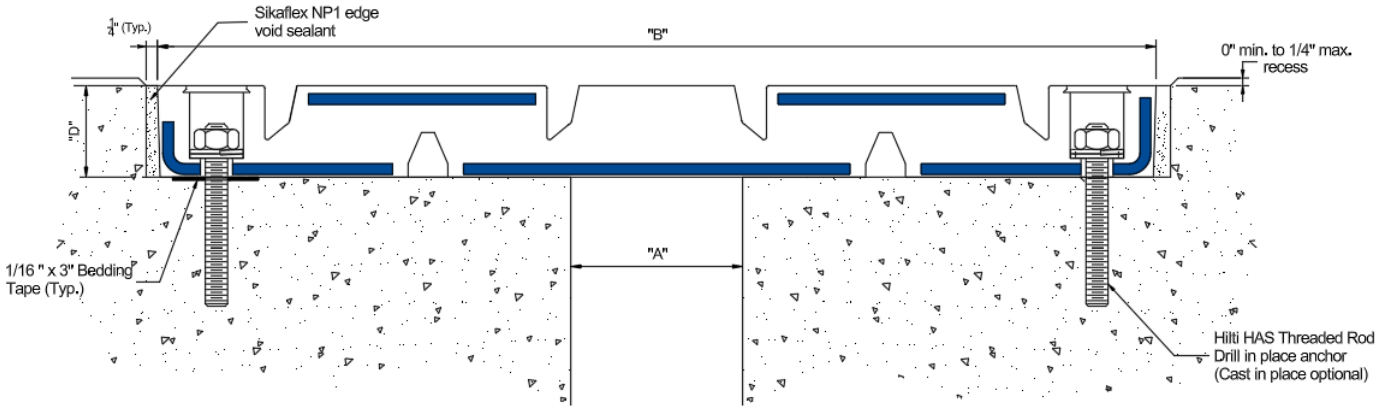
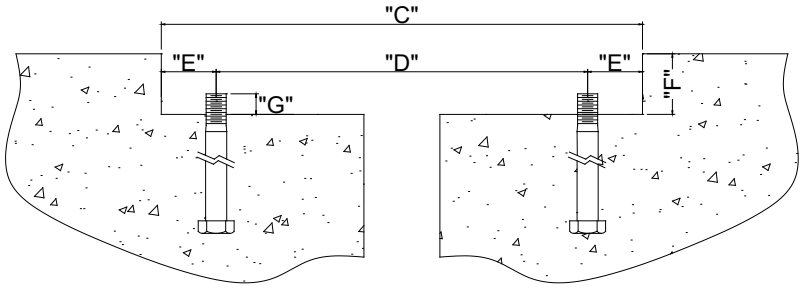
TECHNICAL DATA:



Blockout Data:



Movement Table:

Model Number	Molded Dimensions				Joint Opening "A"						System Width "B"			
	Width		Height		Min		Max		Total		Min		Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
200A	10.875	276	1.563	40	1.000	25	3.000	77	2.000	51	9.875	251	11.875	303
250	14.000	356	1.813	46	1.250	32	3.750	95	2.500	64	12.750	324	15.250	387
400	23.250	591	2.125	54	2.000	51	6.000	152	4.000	102	21.250	540	25.250	641
650	28.500	724	3.000	76	1.500	38	8.000	203	6.500	165	25.250	641	31.750	806
900	35.375	899	3.750	95	1.750	44	10.750	273	9.000	229	30.875	784	39.875	1013
1300	47.500	1207	5.000	127	2.000	51	15.000	381	13.000	330	41.000	1041	54.000	1372

Model Number	"C"				"D"				"E"		"F"		"G"	
	Min		Max		Min		Max							
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
200A	10.375	264	12.375	314	7.625	194	9.625	239	1.375	35	1.563	40	1.250	32
250	13.250	337	15.750	400	9.750	248	12.250	311	1.750	44	1.813	46	1.500	38
400	21.875	556	25.875	657	17.625	448	21.625	549	2.125	54	2.125	54	1.750	44
650	26.125	664	32.375	822	21.000	533	27.500	699	2.438	62	3.000	76	2.000	51
900	31.500	800	40.500	1029	26.500	673	35.500	965	2.500	64	3.750	95	2.250	57
1300	41.625	1057	54.625	1387	36.000	914	49.000	1435	2.813	71	5.000	127	2.750	70

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Physical Properties

The steel angles embedded in the molded neoprene panels are formed of ASTM A36 steel. The neoprene block rubber shall have the physical properties conforming to the following requirements:

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength, min	D 412	1,800 psi
Elongation at Break, min	D 412	400%
Hardness, Shore A	D 2240	45 +/-5
Compression Set, 22 hrs@158F	D 395	20%
Oil Swell, 70 hrs. @212ºF(100ºC)	D 471	120%
Ozone Resistance	D 1149	no cracks
Low Temperature Brittleness	D 746	not brittle

Requirements shown reflect test results taken immediately following compound mixing. Results may vary and are not indicative of product performance if specimens are skived from finished, molded parts.

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BUILDING TRUST

APPLICATION:

INSTALLATION SUMMARY:

- **Newly placed concrete**: the joint interface must be dry and clean (free of dirt, coatings, rust, grease, oil, and other contaminants), sound and durable. New concrete must be cured (minimum of 14 days).
- **Aged concrete**: loose, contaminated, weak, spalled, deteriorated and/or delaminated concrete must be removed to sound concrete and repaired prior to placement.
- For proper blockout preparation and anchor placement refer to installation guide.
- Install Wabo®TransFlex units starting at the curb or factory made transition .
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- Re-tourque all hardware approximately 30 minutes after tightening.
- Fill bolt hole cavity with WaboCrete®II and voids between TransFlex sections and vertical face of blockout with SikaFlex-NP1 Sealant.
- Reference Installation Procedure for complete install instructions.

FOR BEST RESULTS:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Do not install if the joint's anticipated movement will exceed the system's movement range.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50˚F and 90˚F. Do not store in high humidity.
- Do not install when surface temperature is less than 40˚F.
- Shelf life of chemical components is approximately 1 year.
- Recommend to inspect system every six months and repair areas as needed.
- Make certain the most current version of the product data sheet is being used.
- Please consult the website (www.watsonbowmanacme.com) or contact a Watson Bowman Acme representative.

RELATED DOCUMENTS:

- Safety Data Sheets
- Wabo®TransFlex Specification
- Wabo®TransFlex Sales Drawings
- Wabo®TransFlex Installation Procedure

LIMITED WARRANTY:

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