



# WABO<sup>®</sup> FINGER JOINT EXPANSION SYSTEMS



**BUILDING TRUST**



## IMPORTANCE OF FINGER JOINTS

Expansion joints are a critical link to the sustainability of a bridge structure. Systems are designed to handle the various impact loadings and movements with proven long-term structural integrity. When engineered and installed properly, finger joint assemblies help to:

- Prevent structural damage by absorbing movement to include thermal cycles and seismic activity
- Extend the life of bridge decks by providing smooth transitions



## WHY WATSON BOWMAN ACME?

Watson Bowman Acme is committed to exceeding project goals and providing innovative expansion control systems and services to the construction industry and the complex structures they design, build and operate.



### Reliability

65+ years of designing, developing and manufacturing fully customized finger joint solutions



### Technical Expertise

WBA engineering and field experts bring real solutions to your unique project requirements from concept to on-site technical support.

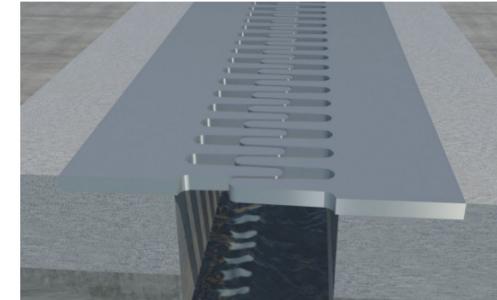


### Quality

Committed to providing the highest quality products and services backed by WBAs ISO 9001:2015 certification, and Lean Six Sigma methodology.

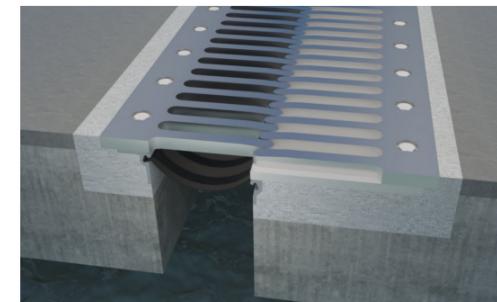
## WABO® FINGER JOINT EXPANSION SYSTEMS:

Expanding on traditional Finger Joint technology, Watson Bowman Acme is leading the bridge industry with its full line of customizable finger joint expansion systems.



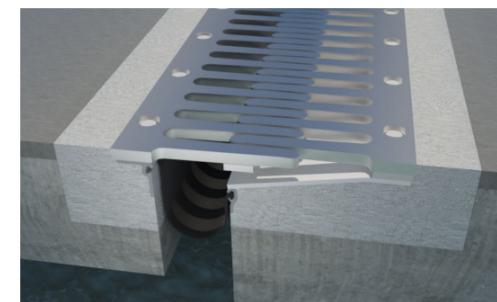
### Wabo® Finger Joint (FIN)

Traditional cantilever finger joint technology fabricated in one piece for easy installation.



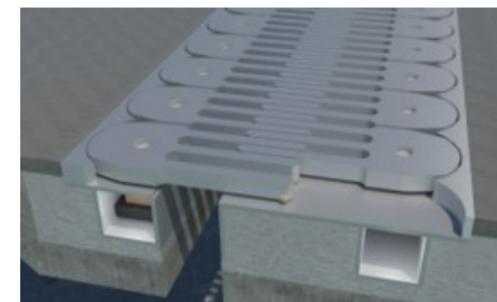
### Wabo® FingerPlus (FINP)

Sliding finger joint with a mechanically locked drainage system for watertightness. Ideal for stage construction and ease of maintenance/repair



### Wabo® FingerPlus-EasyClear (FINQ)

All the benefits of the FingerPlus technology with a self-cleaning debris removal system.



### Wabo® Trident Finger Joint (FINT)

Patented technology that allows for both transversal and multidirectional movements. The only finger joint system of its kind.

# FEATURES AND BENEFITS

FEATURE	BENEFIT	STANDARD	FINGERPLUS	FINGERPLUS-EASYCLEAR	TRIDENT
<b>Customizable System</b>	Designed and manufactured to meet your unique and complex projects.	✓	✓	✓	✓
<b>Fully Compliant</b>	Accommodates AASHTO design requirements for vehicular loads and opening requirements.	✓	✓	✓	✓
<b>Impact Resistance</b>	Robust design to accommodate high impact and repetitive loading conditions.	✓	✓	✓	✓
<b>Sound Attenuation</b>	Designed to eliminate noise when vehicles travel across the joint.	✓	✓	✓	✓
<b>Ease of Maintenance</b>	Seal inspection, maintenance and replacement can now be completed from top of deck saving time and money.	-	✓	✓	✓
<b>Watertight Design</b>	More robust and less susceptible to corrosion than typical trough mounting hardware.	-	✓	✓	-
<b>Debris Removal</b>	Pitched support plate facilitates quick flushing and debris removal.	-	-	✓	-



# SELECTING THE RIGHT SOLUTION

- STEP 1**  
Determine which Wabo® finger joint system best meets your bridge project needs.
- STEP 2**  
Collaborate with our experts to customize the system specific for your bridge project.
- STEP 3**  
We deliver a high-quality, responsible, safe finger system to you on time and on budget.



## SELECTION GUIDE

FEATURE	STANDARD	FINGERPLUS	FINGERPLUS-EASYCLEAR	TRIDENT
Installation Ease	BEST	BETTER	BETTER	GOOD
Noise Control	BETTER	BETTER	BETTER	BEST
Watertight	GOOD*	BEST	BEST	GOOD*
Debris Removal	GOOD	BETTER	BEST	GOOD*
Cleaning / Maintenance	GOOD	BETTER	BEST	BEST
Repair	GOOD	BETTER	BETTER	BEST

\*See add-on features for optional trough

GOOD

BEST

## ADD-ON FEATURES

The following options are available to better fit your application requirements:

	STANDARD	FINGERPLUS	FINGERPLUS-EASYCLEAR	TRIDENT
Trough and Water Collection	X			X
Stay-In-Place Form Work	X	X	X	X
Level Angles Available	X	X	X	X

# GLOBAL BUT LOCAL PARTNERSHIP



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## WE ARE SIKA

With more than 100 years of experience, Sika is a worldwide innovation and sustainability leader in the development and production of systems and products for commercial and residential construction, as well as the transportation, marine, automotive, and renewable energy manufacturing industries.

Sika has offices in 103 countries with over 400 manufacturing facilities and more than 33,000 employees worldwide. With annual sales of CHF 11.24 billion in 2023, our commitment to quality, innovation, and the environment as well as putting our customer's needs first, encompasses why Sika is the global leader in our industries.



Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.

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**SIKA CORPORATION**  
201 Polito Avenue  
Lyndhurst, NJ 07071 USA  
Phone 201-933-8800  
usa.sika.com

**WATSON BOWMAN ACME**  
95 Pineview Dr.  
Amherst, NY 14228 USA  
Phone 716-691-7566  
www.watsonbowmanacme.com



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