

# Force Balanced!

## FLEX-TEND®

Force Balanced  
Flexible Expansion Joint

The field proven Flex-Tend® flexible expansion joint is **now available in a force balanced configuration**. These units offer the same flexibility and expansion as the standard Flex-Tend but do not impart an expansion force when subject to pressure, which is particularly important on above ground applications.



Forces created by water pressure are balanced.

Image depicts an 8" Force Balanced FLEX-TEND.

### Features and Application:

- For use on Ductile Iron, PVC, HDPE, and Steel pipe.
- Expansion unit will not impart a thrust force while under internal pressure.
- Available in sizes 4 inch through 12 inch.
- Available with ANSI/AWWA C110/A21.10 Flanges.
- Minimum 2 to 1 Safety Factor.
- Interior and Exterior coated with Fusion Bonded Epoxy.
- Constructed of ASTM A536 Ductile Iron.
- For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774.

Nominal Pipe Size	Max. Deflection (degrees)	Offset (inches)	Max. Expansion (inches)	Shipping Weight (lbs.)	Length (inches)	Pressure Rating (PSI)
4	25	19.8	6	150	56.5 (-1, +5)	250
6	25	19.8	8	275	56.5 (-2, +6)	250
8	25	20.3	8	377	58.5 (-2, +6)	250
10	20	20.2	8	594	71.5 (-2, +6)	250
12	20	21.0	8	786	73.0 (-2, +6)	250

Note: For applications or pressures other than those shown, please contact EBAA for assistance.

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