

Description

Expand-O-Gard expansion joints are flexible waterproof closures for vertical building walls designed to accommodate movement between building components caused by thermal, settlement, wind, flex and seismic forces.

Expand-O-Gard is a combination of a durable elastomeric bellows attached to two metal flanges, both mechanically and chemically, by a patented bifurcation process. It is available in two designs, Style WS and Style F.

Factory-fabricated transitions are available to accommodate intersections between vertical Expand-O-Gard and horizontal Expand-O-Flash® expansion joints.

Use

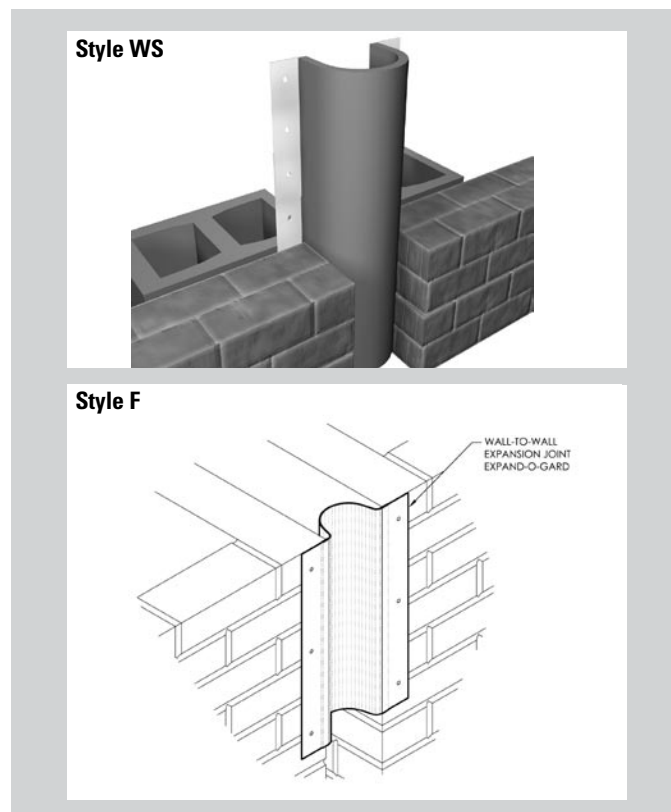
Style WS – for use on masonry construction, metal buildings and panel wall systems where flanges are concealed and/or sandwiched within the wall system.

Style F – for use in joints between new and existing vertical walls, between curtain walls and glass atriums, and other vertical building walls where the flange is part of the closure design. Style F can be surface mounted.

Advantages

Style WS

- 4" (10.16 cm) flanges are available in 26 gauge (0.45 mm) galvanized, 0.032" (0.81 mm) aluminum, 16 oz. (0.56 mm) copper, or 0.018" (0.46 mm) stainless steel. Flanges are available punched (3/4" [1.91 cm] holes 4" [10.16 cm] o.c. for masonry construction) or unpunched. Available in lead coated copper or Kynar®* finish colored upon request.
- Copper or stainless steel flanges are recommended where contact with masonry is part of the design.
- Flexible rubber membrane bellows are black EPDM. White EPDM and black Neoprene are available upon request.
- Available in 10' (3.05 m) lengths and 50' and 100' (15.24 m and 30.48 m) rolls. Other lengths available upon request.
- Factory-fabricated transitions are available to accommodate intersections between vertical Expand-O-Gard and horizontal Expand-O-Flash expansion joints.



Style F

- Stainless steel flanges are 2 1/4" (5.72 cm) double metal construction for improved rigidity. Stainless is the metal of choice where staining is of concern. Flanges are available prepunched for fastening (1/4" [6.35 cm] holes 12" [30.48 cm] o.c. or unpunched. Other metal flanges are available upon request.
- Flexible rubber membrane bellows are black Neoprene. Bellows are available in black or white EPDM upon request.
- Available in 10' 4" (3.15 m) lengths.

Styles

WS Four types of metal flanges unpunched or punched for masonry construction for concealed flanges.

F Stainless steel double construction flanges for surface mounting. Available punched for fastening or unpunched.

Sizes

Style WS

Bellows width 4" - 12" (10.16 cm - 30.48 cm)
(Special wider sizes available)

Flange width 4" (10.16 cm)

Length 10' (3.05 m) and 50' (15.24 m) and 100' (30.48 m) rolls

Style F

Bellows width 4" - 12" (10.16 cm - 30.48 cm)
(Special wider sizes available)

Flange width 2 1/4" (5.72 cm) double

Length 10' 4" (3.15 m)

* Kynar® is a registered trademark of Arkema, Inc.

Refer to the Material Safety Data Sheet and product label prior to using this product.