

Engineering Data Sheet 300° F

Recommended Applications

Zflex EPDM expansion joints are used in applications where the operating temperature does not exceed 300° F and where a tough, high strength expansion joint is required. Typical applications include the inlet and outlet of primary air, forced draft fans or as a vibration isolator between fans and critical equipment. EPDM can also be used at the cold air intake or stack inlet on a combined cycle plant.

Zflex EPDM expansion joints can be provided in a flat belt or integral flange geometry and can be reinforced with fiberglass fabric or stainless steel wire mesh.

Design Temperature / Pressure

Temperature:	Max.	Min.
	300° F	- 40° F
Excursions up to 350° F for 1/2 hour.		
Pressure:	+ 5 psig	- 5 psig

Standard Face to Face

6"	9"	12"	16
Duct breach opening F/F			
5 1/2"	8 1/2"	11"	15"

Standard Movements

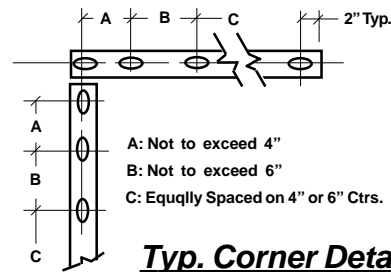
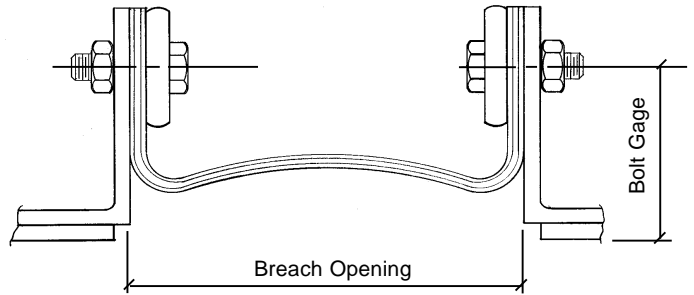
Axial Compression			
1 1/2"	2 3/4"	3 1/2"	5"
Axial Extension			
1/2"	1/2"	1"	1"
Lateral offset, (Resultant)			
1 1/2"	2 3/4"	3 1/2"	5"

Standard Weights

Weight per lineal foot (without backup bars)	
6" F/F	1.5 lb./ LF
9" F/F	2.0 lb./ LF
12" F/F	2.5 lb./ LF
16" F/F	3.0 lb./ LF

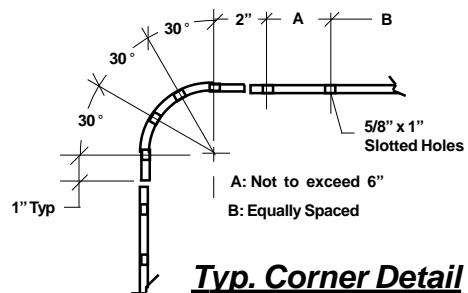
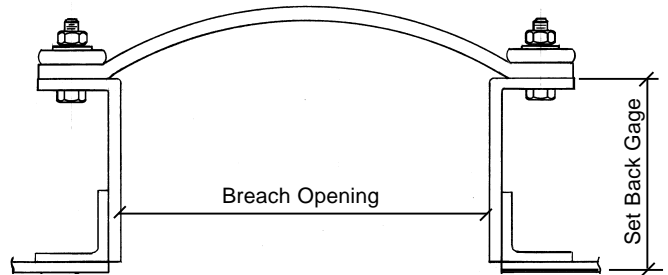


Integral Flange Geometry



Typ. Corner Detail

Flat Belt Geometry



Typ. Corner Detail