

Engineering Data Sheet 400° F

Applications:

The **Zflex** Viton / Glass expansion joints are used in applications where the operating temperature does not exceed 400°F and where a tough, high strength expansion joint is required. Typical applications include wet & dry scrubbers, precipitator inlet & outlet, air heater outlet, induced draft fan inlet & outlets and stack inlet on a combined cycle plant.

The **Zflex** Viton / Glass expansion joints can be provided in a flat belt or integral flange geometry.

Design Temperature / Pressure

Temperature:	Max.	Min.
	400°F	- 40°F

Excursions up to 700°F for 1/2 hour.

Pressure:	+ 5 psig	- 5 psig
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Standard Face to Face

6"	9"	12"	16"
Duct breach opening			
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"

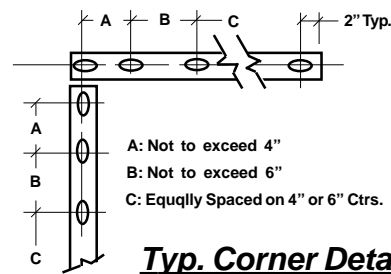
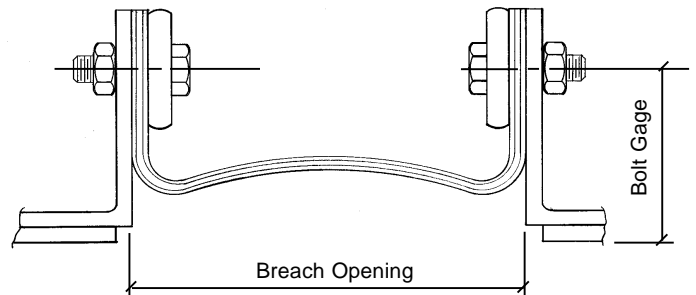
Standard Weight

Weight per lineal foot (without backup bars)

6" F/F	2.0 lb./ LF
9" F/F	2.4 lb./ LF
12" F/F	2.8 lb./ LF
16" F/F	3.6 lb./ LF

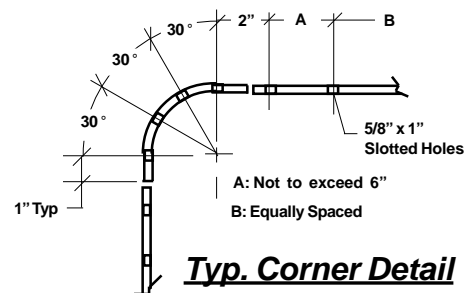
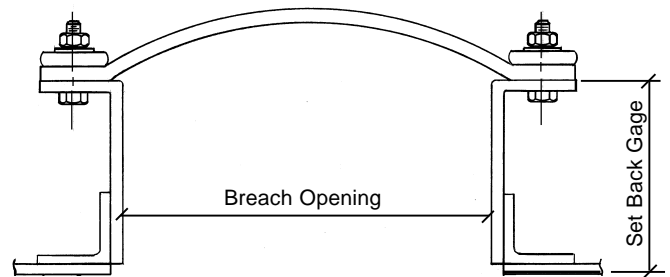


Integral Flange Geometry



Typ. Corner Detail

Flat Belt Geometry



Typ. Corner Detail