

**Engineering Data Sheet 1,000°F  
Zflex ZL-8000**

**Applications:**

The Zflex ZL-8000 high temp composite expansion joint is used where the operating temperature is 850° F to 1,000° F. Typical power plant applications include ducting from the economizer outlet, SCR, air heater inlet, over fired air and secondary over fired air ducts. It can also be used at the GT Outlet and Penetration Seals in a combined cycle plant. The Zflex ZL-8000 incorporates a secondary gas ply to eliminate dew point corrosion when using high sulphur coal.

Insulation pillows are recommended where high fly ash loading are a concern.

**Standard Temperature / Pressure**

Temperature:	Max.	Min.
	850°F	- 40° F

1,000°F with 4" tabbed-in insulation pillow.

Pressure:	+ 2 psig	- 2 psig
-----------	----------	----------

**Standard Face to Face**

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

**Standard Movements**

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

**Standard Weights**

Weight per lineal foot ( without backup bars)

6" F/F	2.0 lb./ LF
9" F/F	2.2 lb./ LF
12" F/F	3.0 lb./ LF
16" F/F	3.6 lb./ LF



**Flat Belt Geometry**

