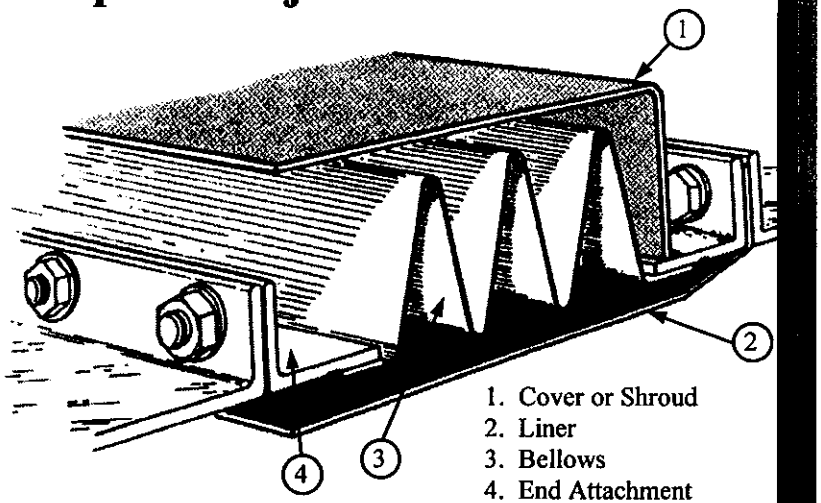
FLEXTECH INDUSTRIES

RM SERIES

RECTANGULAR METAL expansion joints are used in ducting systems handling high pressure and high temperature air and flue gases.



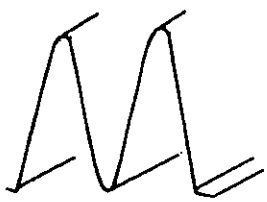
1. Cover or Shroud
2. Liner
3. Bellows
4. End Attachment

Construction:

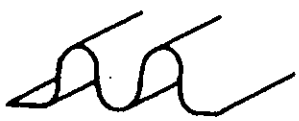
Flextech RM Series retanglar bellows are die-formed from carbon steel or alloy material conforming to ASME specifications and are available in three standard profiles and corner configurations.

Bellows Profile:

RM 4
Nominal 4" high x 2" pitch provides the most economical product for most applications

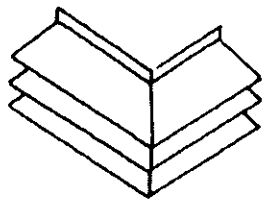


RM 6
Nominal 6" high x 3" pitch used where a lower spring rate is required to comply with force or loading restrictions.

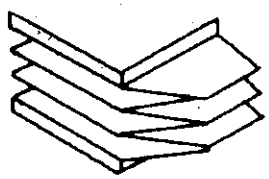


RM 2
Nominal 2" high x 1 1/2" pitch for higher pressure; or vacuum service in steam condensers

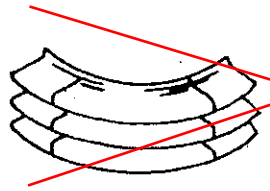
Corner Configuration:



Single Miter Corner provides the most economical design for most applications and is available on Flextech type **RM 4, RM 6** and **RM 2** expansion



Camera Corner provides additional flexibility in duct systems that operate under more cyclical conditions and is available on Flextech type **RM 4** and **RM 6** expansion joints.



Round Corners provide maximum flexibility and pressure capacity, and are available on Flextech type **RM 2** expansion joints

Liners

Internal liners should be specified when flow velocity exceeds 25 FPS or where abrasive particles in the gas stream could cause erosion of the bellows. If specified, fibre insulation can be installed in the space between bellows and the liner to prevent accumulation of solids. Flextech standard liner thickness is 1/16 to 1/8 inch.

Cover or Shroud

External covers should be specific to protect the bellows from mechanical damage or where the expansion joint will be insulated. Flextech standard cover thickness is 14 gauge carbon steel.