

## Engineered Metal Expansion Joints

FlexEJ have the in house capability to design metal expansion joints to meet your precise application and requirements.

Our experience ranges through

Diameters: 25mm to over 2500mm  
Pipe materials: Carbon Steel, CrMo, 304/H, 316/L/H, Titanium  
Bellows material: 321/H, 316/L, Alloy 625, Alloy 825, Titanium  
Refractory lined cold wall and abrasion resistant  
Floating hardware, Tied, Hinge, Gimbal, Pressure Balanced  
Flanged, Weld End, Vanstone



FlexEJ products serve a very wide range of industries: HVAC, Industrial, Power Generation, Refinery, Petrochemical and Research.

We design using EJMA and are equally familiar with ASME and European codes; we are qualified under PED to Module H1.

Full material traceability is offered along with a complete suite of NDE

Applications we have manufactured expansion joints for include:

Styrene	Fluid Catalytic Cracker (FCC) Flue Gas / Cat Circuit
HP Steam	Purified Terephthalic Acid (PTA)
High Vacuum	Penetration Seals
GT Bleed Air	Relief Valve Steam – Nuclear

As a designer of expansion joints we are able to offer the best performance / price package to suit your specific needs.

We offer single ply, multiply and two-ply testable bellows manufactured using the expanding mandrel process. This process – also known as punch forming - allows a very wide range of bellows profiles to be manufactured without incurring large tooling costs or long process times.

As a result FlexEJ can engineer expansion joints which are specific to your requirements.

