

HKS | Enquiry form for lens expansion joints

Customer data

Company name: Enquiry no.:
 Responsible: Project:
 Department: Tel.:
 Street/post box: Fax:
 Post code/town: Email:

Geometry

Designation/type: Nominal diameter DN:
 Quantity: Length L:

Medium

Designation: Flow rate: m/s
 Additives: Condensates:
 Fluid group: Group 1 – hazardous Group 2 – others Other: toxic flammable caustic
 Physical state: liquid when pD ≤ 0.5 bar gaseous or liquid when pD > 0.5 bar inside outside

Operating and test conditions

Design pressure: bar Operating pressure: bar Test pressure: bar
 Design temperature: °C Operating temperature: °C Vacuum/negative pressure: bar
 Axial movement: +/- mm Pressure surges: yes no Vibrations: yes no
 Lateral movement: +/- mm Number of stress cycles: Frequency: Hz
 Angular movement: +/- Degrees Safety factor: Amplitude: mm

Metal bellows and connections

Metal bellows material: Design: round oval rectangular other
 Flanges Welding ends Custom flange
 Material: Material: Material:
 Flange standard: Outside diameter: mm Outside diameter: mm
 Rotating: yes no Wall thickness: mm Pitch circle diameter: mm
 Pressure stage: Groove: yes no No./diameter of holes: × mm
 Corrosion protection: Corrosion protection: Inside diameter: mm
 Other:

Tie rods

Length limitation (threaded rods) Single hinged tensioner (single axis movements)
 Tension rods (threaded rods) Cardan joint tensioner (all-around movements)
 Material: 8.8 Stainless steel Material: same as flange Stainless steel

Accessories

Inner sleeve: yes no External tube: yes no
 Wall thickness: mm Wall thickness: mm
 Material: Material:
 Cylindrical inner sleeve Telescopic inner sleeve Conical inner sleeve Detachable protective sleeve Telescopic protective sleeve

Documentation and tests

Scope of application: Pressure Equipment Directive 97/23/EC Piping Container
 Other:
 Design regulations: AD2000/EJMA EN13445 EN13480 EN14917 ASME Sec. VIII
 Inspection certificates: WZ 2.2 in line with EN10204 APZ 3.1 in line with EN10204 APZ 3.2 in line with EN10204 (TÜV)
 Non-destructive tests: VT 100 % (visual test) PT % (dye penetration test) RT % (X-ray test)
 Documentation: Declaration of Conformity with CE mark (module A, A1 or H)
 Certification of Conformity (TÜV) with CE mark module B1+F or G
 Manufacturer's Declaration with operating instructions