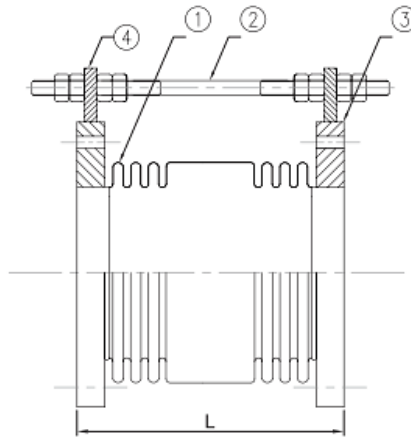


**EXPANSION JOINTS**

KINJOINTS Expansion joints are used mainly to absorb dimensional changes caused by thermal movements of a pipe-line. They consist of bellows formed from a thin walled stainless steel tube. Bellows expansion joints are preferred to other methods of absorbing pipe movements such as pipe loops and slip-type joints. Pipe loops are wasteful of space while slip joints require regular maintenance. Additionally, loops and slip joints are capable of absorbing movement that is in line with the pipe only. Bellows joints require no maintenance and allow many types of movement in a compact space.

KINJOINTS Bellows expansion joints are available in Flanged, Welded, Grooved or Threaded ends. Internal liners to prevent erosion of the inner surface of the bellows and the induced vibrations by the flowing fluid are available. Optional features include tie rods to control movement and shrouds to protect the outer surface of the bellows from damage in buried installation. Consult Kinetics for proper anchoring and guiding of pipe with expansion joints to prevent extending or buckling of joints due to pressure thrust



Model - SSEJ-500N/500H – WITHOUT TIE RODS  
 Model – SSEJ-500N-SG / 500H-SG – WITH OPTIONAL TIE RODS

FLANGED ENDS – ANSI ASA-150/ 300 OR BS4504 PN16 /PN25/PN40

WORKING PRESSURE: 16 bar / 25 bar / 40 bar  
 WORKING TEMPERATURE: -50°C to +450°C  
 AXIAL & LATERAL MOVEMENT: +/-10mm

**STANDARD FINISH**  
 FLANGES / GUSSETS : GALVO PAINT  
 CONTROL ROD & HARDWARE: ZINC PLATED  
 OTHER FINISHES ON REQUEST

**CONSTRUCTION:**

ITEM	PARTS	MATERIAL
1	BELLOWS	SST304
2	TIE RODS	CARBON STEEL
3	FLANGE	CARBON STEEL
4	GUSSET	CARBON STEEL
	OTHER MATERIALS ON REQUEST	

NOMINAL BORE (mm)	TOTAL LENGTH (L) (+/-5mm)	BELLOWS [PN16/PN25/PN40]				
		CORRS			PLY	
		500N 16bar	500H 25bar	500H 40bar	16/25 Bar	40 Bar
DN40	150	16	16	16	2	3
DN50	150	16	16	13	2	3
DN65	150	12	12	12	2	3
DN80	150	12	12	11	2	3
DN100	150	11	11	10	2	3
DN125	150	11	11	10	2	3
DN150	150	11	11	10	2	3
DN200	200	12	12	10	2	3
DN250	200	12	12	10	2	3
DN300	200	12	12	10	2	3
DN350	230	8	8	7	2	3
DN400	230	8	8	7	2	3
DN450	230	8	8	7	3	3
DN500	230	6	6	6	3	3
DN600	230	6	6	6	3	3

**DISCLAIMER:**

The information provided is intended only as a summary and general overview on matters of interest. The information is not intended to be comprehensive nor does it constitute expert advice. KINETICS Middle East LLC shall not be liable for incidental and/or consequential damages directly or indirectly sustained, nor any loss caused by not complying with relevant industry/product standards and improper use of any KINJOINTS products. Due to varying construction methods, any other circumstances not stated above should be brought to the attention of KINETICS Middle East LLC for review. For suitability to the prevailing site conditions, it is advised that certified testing should be conducted. It is recommended to seek further advice on your application with our technical staff prior to use.