

Data Sheet – Axial Expansion Joint – Type AB

The AB range of axial expansion joints are designed to absorb the thermal expansion in straight pipelines and are suitable for many liquids and gases including LTHW, MTHW, HTHW and Steam.

As an alternative to our standard construction these Expansion Joints can also be custom made specifically to suit your needs. This can be done by manufacturing them from different materials and to specific dimensions especially to suit each application, be it replacement of existing expansion joints or brand new systems.



Standard construction

- Membrane: 316 stainless steel
- 304 stainless steel internal flow sleeves
- Carbon Steel pipe
- Carbon Steel fixed flanges

Working conditions

- Design temperature: 300°C
- Design pressure: 10/16 bar
- Test Pressure: 1.5 x Design Pressure

Options

Different Lengths

- Higher pressure / Temperature ratings
- Flanges to suit ie BS, JIS, DIN, ASA
- External covers / Insulation
- Victaulic ends
- Limit rods
- Swivel flanges (Vanstone ends)
- Membranes in special alloys i.e. Incoloy 825, 310 stainless/steel
- Multiply membranes for longer
- Life-span and lower spring rates.

QSL Codes	Nominal Bore		O/A Length Flanged *	O/A Length Pipe Ended **
	"	mm		
			50mm Compression	+/- 25mm
AB032	1¼"	32	350	350
AB040	1½"	40	350	350
AB050	2"	50	225	300
AB065	2½"	65	225	300
AB080	3"	80	225	300
AB100	4"	100	225	300
AB125	5"	125	277	300
AB150	6"	150	277	300
AB200	8"	200	306	350
AB250	10"	250	306	350
AB300	12"	300	306	350

* Flanged units are supplied factory set to allow for the full 50mm axial compression eliminating the need for cold pull on site.

** Pipe ended units are supplied at neutral lengths to allow for up to 25mm cold draw on installation.

Axial Expansion Joints must be securely anchored & adequately guided to ensure their correct performance. Omitting anchors & guides may result in failure of the system. All Quick-Steel Ltd products should be installed in accordance with our fitting instructions.