

## Data Sheet - Screwed Axial Expansion Joint complete with Outer Protection Cover - Type ABSC.

This ABSC range of small bore screwed axial expansion joints complete with an outer cover are designed to absorb the thermal expansion in straight pipelines whilst protecting the membrane from external factors / damage.

Constructed from 316 stainless steel bellows core, with 316 stainless steel BSPT male end connections and 316 stainless steel internal flow sleeve. Fitted with 316 stainless steel outer protection cover.



Each ABSC is supplied factory set to allow for the full movement in compression eliminating the need for cold pull on site.

As an alternative to our standard construction the ABSC can also be custom made to suit each customer's individual requirements including different lengths and movements etc. Please contact our sales team for more information.

### Standard construction

- Membrane: 316 stainless steel
- Inner: 316 stainless steel flow sleeves
- Ends: 316 stainless steel BSPT males
- Cover: 316 stainless steel outer

### Working conditions

- Design Temperature: 110°C
- Design Pressure: 10 Bar
- Cold Test Pressure: 15 Bar

Codes	Nominal Bore		Overall Length mm	Axial Movement (Compression) mm
	ins	mm		
ABSC015	½"	15	233	25
ABSC020	¾"	20	241	25
ABSC025	1"	25	245	30
ABSC032	1 ¼"	32	253	30
ABSC040	1 ½"	40	259	30
ABSC050	2"	50	287	30
ABSC065	2 ½"	65	232	50

Screwed 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.