



Data Sheet - Screwed Axial Expansion Joint WRAS Approved – Type ABS

WRAS approved

The WRAS approved ABS range of small bore screwed axial expansion joints are specifically designed to absorb the thermal expansion that occurs in straight pipelines.

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

Each ABS 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 ABS can also be custom made to suit each customer's individual requirements including different lengths & 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

Working conditions

- Design Temperature: 99°C
- Design Pressure: 10 Bar
- Cold Test Pressure: 15 Bar

Codes	Nominal Bore		Overall Length mm	Axial Movement (Compression) mm
	“	mm		
ABS015	½”	15	182	25
ABS020	¾”	20	182	25
ABS025	1”	25	185	30
ABS032	1 ¼”	32	200	30
ABS040	1 ½”	40	215	30
ABS050	2”	50	247	30
ABS065	2 ½”	65	283	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.