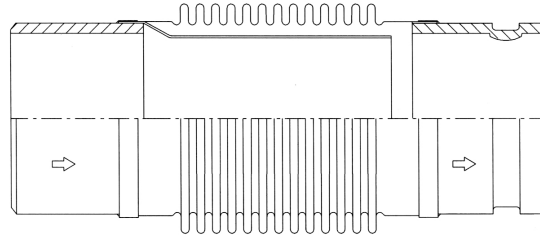


SINGLE AXIAL PIPE ENDS (OR VICTAULIC)

TYPE : SAP/16/002

### DESIGN CONDITIONS

Max. working pressure 16 Bar g.  
 Temperature Range -20 to 400°C  
 Test Pressure 24 Bar g.  
 Design Code EJMA



### CONSTRUCTION MATERIALS

Bellows 321 Stainless Steel  
 Inner Sleeve 321 Stainless Steel  
 Weld ends Carbon Steel  
 Also available with grooved ends to suit victaulic connections.

### UNIT IDENTIFICATION:

Manufacturer, Size, Country of Origin, Date Stamp, Type No.

### SPECIFICATION

Thermosel type SAP/16/002 unrestrained axial movement expansion joint. High grade corrosion resistant stainless steel bellows with carbon steel SCH40 weld ends with stainless steel internal flow sleeves. Designed to EJMA (Expansion Joint Manufacturing Association).

### TECHNICAL DATA

NOMINAL SIZE	PIPE DIAMETER O.D	PART NUMBER	MOVEMENT		OVERALL LENGTH	EFFECTIVE AREA	AXIAL SPRING RATE
			+ or - mm	Total mm			
mm	mm	SAP/___/16/002/___			mm	cm <sup>2</sup>	N/mm
50*	60.3	SAP/0050/16/002/___	25	50	266	37	67
65	76.1	SAP/0065/16/002/___	25	50	266	56	88
80	88.9	SAP/0080/16/002/___	25	50	266	75	198
100	114.3	SAP/0100/16/002/___	25	50	266	118	257
125	139.7	SAP/0125/16/002/___	38	76	372	187	206
150	168.3	SAP/0150/16/002/___	38	76	372	261	248
200	219.1	SAP/0200/16/002/___	50	100	450	441	249
250	273	SAP/0250/16/002/___	50	100	450	665	313
300	323.9	SAP/0300/16/002/___	50	100	450	918	373

\* Not fitted with internal flow sleeves.

Note - Spring Rate Tolerance +/- 25%

### TYPICAL APPLICATIONS

Axial bellows are suitable to take pipework movement due to thermal expansion and contraction in one plane. Typical service includes LTHW, MTHW, HPHW and steam. The ends are also available grooved to suit victaulic systems.

### GENERAL INFORMATION

This type of expansion joint will extend in length when under pressure conditions unless adequately restrained by anchors. Guides should be positioned to allow freedom of movement of the pipework and also to prevent sag and pressure deflection. Cold draw can be applied on installation. Recommendations contained in our literature on correct installation of expansion joints should be followed. Particular care should be taken during installation to make sure that flow arrows are in the right direction.

### ALTERNATIVES

Where an SAP/16/002 is not suitable please contact *Pickup Bellows Ltd* discuss the alternatives including larger sizes, higher pressures, greater movements or bespoke design.