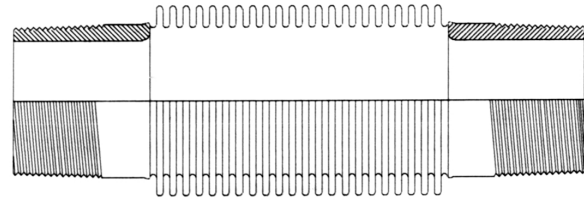


SINGLE AXIAL BSPT MALE - CARBON STEEL

TYPE : APS/16/001

### 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  
 Connectors Carbon Steel

### UNIT IDENTIFICATION:

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

### SPECIFICATION

Thermosel type APS/16/001 unrestrained axial movement expansion joint. High grade stainless steel membrane with fixed carbon steel end connectors threaded to BS21. Designed to EJMA (Expansion Joint Manufacturing Association).

### TECHNICAL DATA

SIZE		PART NUMBER	MOVEMENT		FREE LENGTH	EFFECTIVE AREA	AXIAL SPRING RATE
mm	IN / BSP		+/- mm	Total mm			
15	1/2	APS/____/16/001/BSP	13	26	170	6.97	36.2
20	3/4	APS/0020/16/001/BSP	13	26	170	6.97	36.2
25	1	APS/0025/16/001/BSP	15	30	170	10.1	62.3
32	1 1/4	APS/0032/16/001/BSP	15	30	185	14.5	52.7
40	1 1/2	APS/0040/16/001/BSP	15	30	200	22	67.3
50	2	APS/0050/16/001/BSP	25	50	222	37	67.8
65	2 1/2	APS/0065/16/001/BSP	25	50	222	56	88.9

Note - Spring Rate Tolerance +/- 25%

### TYPICAL APPLICATIONS

These are designed to absorb axial movement resulting from thermal expansion / contraction in ferrous heating and chilled water pipework. Suitable for use with cold or hot water and steam applications.

### INSTALLATION

Please refer to the recommendations contained in our literature on the installation of expansion joints. This expansion joint will extend in length when under pressure unless adequately restrained by anchors and guides. Ideally the joint should be located adjacent to an anchor with the first guide not more than four pipe diameters from the first, with subsequent guides positioned as necessary to ensure that the pipeline is free from sag or pressure deflection.

The APS/16/001 is supplied at its free length and will usually require cold drawing on installation.

### ALTERNATIVES

Where an APS/16/001 is not suitable please contact *Pickup Bellows Ltd* to discuss the alternative options.