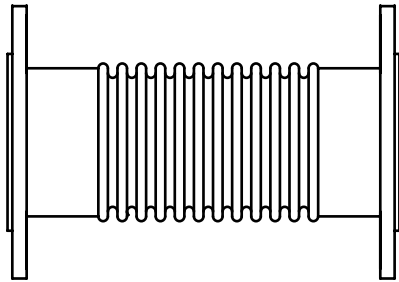


# AXIAL EXPANSION JOINTS

## Model EJAFN



EJAFN (Flanged BS4504 PN16)

### APPLICATIONS

Axial expansion joints are designed to accommodate thermal pipe expansion in an axial direction.

These models have stainless steel to ALL wetted parts and can be used accordingly on steel, stainless steel or copper flanged pipe systems for the following applications:-

- Low Temperature Heating (LTHW)
- Medium Temp. Heating (MTHW)
- Low Pressure Steam and Condensate

Nominal Size DN (mm)	Installation Length (mm)	Axial Compression (mm)	Effective Area (cm <sup>2</sup> )	Spring Rate AX (N/mm)	Product Code (MODEL-SIZE-OAL-MVT-ENDS)
40	300	40	20	23	EJAFN-040-300-40-PN16
50	300	40	33	39	EJAFN-050-300-40-PN16
65	300	40	51	60	EJAFN-065-300-40-PN16
80	300	40	69	70	EJAFN-080-300-40-PN16
100	300	40	110	105	EJAFN-100-300-40-PN16
125	300	40	172	154	EJAFN-125-300-40-PN16
150	300	40	241	205	EJAFN-150-300-40-PN16
200	300	40	403	296	EJAFN-200-300-40-PN16
250	300	40	611	401	EJAFN-250-300-40-PN16
300	300	40	851	474	EJAFN-300-300-40-PN16

The data above is for non PED and SEP applications only.  
For more demanding applications, these expansion joints must not be used.  
Refer to other axial expansion joint models.

### SPECIFICATION

EJAFN - Flanged model with stainless steel bellows, internal flow sleeve and end fittings flanged to BS4504 / EN1092 PN16, complete with stainless steel van-stone facing (lapped pipe end).

Designed to EJMA\* Standards. \*Expansion Joint Manufacturers Association.

BS6129 Part 1 applies to the installation.

Conforms with PED\* 97/23/EC. \*Pressure Equipment Directive.

### OPERATING PARAMETERS

#### Flanged model to BS4504 / EN1092 PN16

- Working Temperature = 120 °C.
- Working Pressure = 10 Barg.
- Cold Test Pressure = 15 Barg.

Under pressure equipment regulations, these expansion joints, used with non-dangerous fluids, can be classified according to their nominal size (DN), working pressure (PS) and state of the intended fluid contents - gas or liquid, as follows:-

Gas. If PS=<0.5, then non PED.  
If PS=>0.5, DN=<32 or PS×DN=<1000, then PED category SEP\*.

Liquid. If PS=<0.5, then non PED.  
If PS=>0.5, DN=<200 or PS×DN=<5000 or PS=10, then PED category SEP\*.

- e.g. 1 Barg. Steam (120°C) at DN300, PS×DN=1x300=300
- 3 Barg. Compressed Air at DN300, PS×DN=3x300=900
- 10 Barg. Water at DN300, PS×DN=10x300=3000

Above category SEP\*, these expansion joints must not be used, nor must they be used for those fluids classified, according to the EC Directive, as dangerous.

\*Sound Engineering Practice.