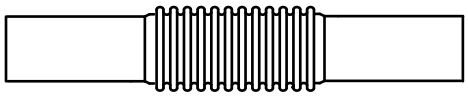
AXIAL EXPANSION JOINTS
Model EJATN



EJATN (Precision Tube Ends)

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 press-fit pipe systems for the following applications:-

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

Where required, these models are in accordance with WRAS, for the following applications:-

Potable Water Service (Drinking)
Cold Water Service (CWS)
Hot Water Service (HWS)

WRAS APPROVED PRODUCT

Pipe Size OD (mm)	Installation Length (mm)	Axial Compression (mm)	Effective Area (cm^2)	Spring Rate AX (N/mm)	Product Code (MODEL-SIZE-OAL-MVT-ENDS)
15	167	20	3.4	31	EJATN(E)-015-167-20-TUBE
18	166	20	4.2	63	EJATN(E)-018-166-20-TUBE
22	187	20	7.6	81	EJATN(E)-022-187-20-TUBE
28	210	25	10.7	58	EJATN(E)-028-210-25-TUBE
35	218	25	14.6	75	EJATN(E)-035-218-25-TUBE
42	240	25	18.3	89	EJATN(E)-042-240-25-TUBE
54	261	30	30.5	92	EJATN(E)-054-261-30-TUBE
*67	275	30	55.0	105	*EJATN(E)-067-275-30-TUBE*
*76	275	30	52.5	60	EJATN(E)-076-275-30-TUBE
*89	289	30	73.2	82	EJATN(E)-089-289-30-TUBE
108	345	30	115.0	92	EJATN(E)-108-345-30-TUBE

*66.7 actual
*76.1 actual
*88.9 actual

The data above is typical for SEP applications.
For more demanding applications, the length, movement, effective area and spring rate will be dependant upon the design for the pressure and temperature of the fluid conveyed.

*Tube ends are Table X Copper at 67mm pipe size only
Steel tube ends are also available

SPECIFICATION

EJATN - Tube end model with stainless steel bellows and stainless steel precision tube ends for use in press-fit pipe systems, e.g. Gerberit Mapress®, Yorkshire Xpress®, Comap Sudopress®, Conex >B<Press®, etc.

NOTE: At 67mm pipe size, tube ends are Table X Copper or Carbon steel.

EJATNE - As above but complete with external protective shroud.

EJATN(E) when suffixed "(WRAS)" indicates accordance with WRAS*, approval number 1306041. *Water Regulations Advisory Scheme.

EJATN(E) when suffixed "(SOLAR)" indicates accordance with SOLAR systems.

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

EJATN(E) - Tube End model
Operating Temperature, TS = 110 ºC.
Operating Pressure, PS = 10 Barg.
Cold Test Pressure, PT = 15 Barg.

NOTE: Tube ends are Table X Copper at 67mm pipe size only and have a maximum operating pressure of 5 Barg.

WRAS Approved model
Operating Temperature, TS = 90 ºC.

SOLAR Systems model
Operating Temperature, TS = 180 ºC.

Reduce the operating pressure at elevated operating temperatures.

Also available with threaded stainless steel ends for use with threaded systems to BS21 / ISO7.