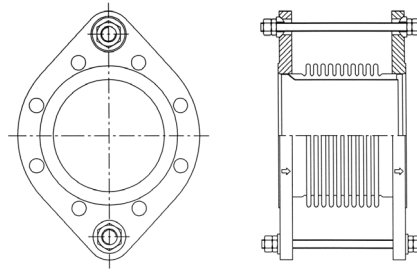


SINGLE TIED FLANGED

TYPE : STF/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
 Flanges Carbon Steel
 Inner Sleeve 321 Stainless Steel
 Tie Bars Carbon Steel

UNIT IDENTIFICATION:

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

SPECIFICATION

Thermosel type STF/16/002 restrained movement bellows expansion joint. High grade stainless steel bellows with carbon steel flanges drilled to BS4504-PN16. Unit supplied with adjustable carbon steel restraining tie-bars seated on cast iron spherical washers, complete with stainless steel internal flow sleeves. Designed to EJMA (Expansion Joint Manufacturing Association).

TECHNICAL DATA

NOMINAL SIZE	PIPE DIAMETER O.D	PART NUMBER	LATERAL MOVEMENT	OVERALL LENGTH	LATERAL SPRING RATE
mm	mm	STF/____/16/002/PN16	+ or - DEG	mm	N/mm
40*	48.3	STF/0040/16/002/PN16	5	208	123
50*	60.3	STF/0050/16/002/PN16	5	208	123
65	76.1	STF/0065/16/002/PN16	5	208	240
80	88.9	STF/0080/16/002/PN16	5	208	378
100	114.3	STF/0100/16/002/PN16	5	208	772
125	139.7	STF/0125/16/002/PN16	5	314	568
150	168.3	STF/0150/16/002/PN16	5	314	956
200	219.1	STF/0200/16/002/PN16	5	380	1024
250	273	STF/0250/16/002/PN16	5	380	1939
300	323.9	STF/0300/16/002/PN16	5	380	3194

* Not fitted with internal flow sleeves.

Note - Spring Rate Tolerance +/- 25%

CONSTRUCTION

This expansion joint is designed with tie-bars to continuously restrain the pressure thrust of the expansion joint whilst permitting limited lateral deflection.

TYPICAL APPLICATIONS

Single tied bellows are suitable to take pipework movement due to thermal expansion and contraction and/or building settlement. Typical service includes LTHW, MTHW, HPHW and steam.

GENERAL INFORMATION

This type of expansion joint is used to take small amounts of lateral deflection. Guides should be positioned to allow freedom of movement of the pipework and also 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 STF/16/002 is not suitable please contact *Pickup Bellows Ltd* to discuss the alternatives including larger sizes, higher pressures, greater movements or bespoke design.