THERMOSEL®

BELLOWS EXPANSION JOINT

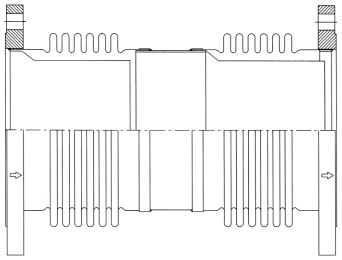
DOUBLE AXIAL FLANGED EXHAUST UNIT

TYPE : DEX/03/002

UNRESTRAINED

DESIGN CONDITIONS

Max. working pressure	3 Bar g.
Temperature Range	-20 to 400ºc
Test Pressure	4.5 Bar g.
Design Code	EJMA



CONSTRUCTION MATERIALS

Bellows	321 Stainless Steel
Inner Sleeve	321 Stainless Steel
Flanges	Carbon Steel
Connecting tube	321 Stainless Steel

UNIT IDENTIFICATION:

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

SPECIFICATION

Thermosel type DEX/16/002 unrestrained exhaust expansion joint. High grade corrosion resistant stainless steel bellows with carbon steel BS4504-PN6 flanged ends with stainless steel internal flow sleeves and connecting tubes. Designed to EJMA (Expansion Joint Manufacturing Association).

TECHNICAL DATA

NOMINAL SIZE	PIPE DIAMETER O.D	PART NUMBER	AXIAL MOVEMENT	LATERAL MOVEMENT	OVERALL LENGTH	LATERAL SPRING RATE
mm	mm	DEX/____/03/002/PN6	Total mm	Total mm	mm	N/mm
50*	60.3	DEX/0050/03/002/PN6	40	10	381	1.6
65	76.1	DEX/0065/03/002/PN6	40	10	381	3.10
80	88.9	DEX/0080/03/002/PN6	40	10	381	4.90
100	114.3	DEX/0100/03/002/PN6	40	10	381	10.00
125	139.7	DEX/0125/03/002/PN6	60	10	381	4.60
150	168.3	DEX/0150/03/002/PN6	60	10	457	5.50
200	219.1	DEX/0200/03/002/PN6	60	10	457	14.10
250	273	DEX/0250/03/002/PN6	60	10	457	26.80
300	324	DEX/0300/03/002/PN6	60	10	457	44.10
350	357	DEX/0350/03/002/PN6	60	10	457	119.90
400	406	DEX/0400/03/002/PN6	60	10	457	175.10
450	457	DEX/0450/03/002/PN6	60	10	457	192.40
500	508	DEX/0500/03/002/PN6	60	10	457	260.00

* Not fitted with internal flow sleeves.

Note - Spring Rate Tolerance +/- 25%

TYPICAL APPLICATIONS

Exhaust bellows are suitable for lateral and/or axial movements in low pressure exhaust, ducting or flue systems.

GENERAL INFORMATION

These type of expansion joints 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 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 a DEX/03/002 is not suitable please contact *Pickup Bellows Ltd* to discuss the alternatives including larger sizes, higher pressures, greater movements or bespoke design.