



Technical Information

RAL-GZ 719

TI-004

Expansion joint questionnaire
Imperial Units

Rev. 0

Page 2 of 4

3. Pressure

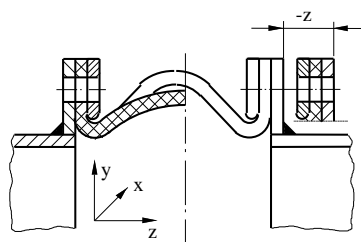
Operating pressure: _____ psi Neg. op. pressure: _____ psi Design pressure: _____ psi
 Transient pressure no yes, from: _____ psi to: _____ psi Frequency: _____
 Surge load no yes, from: _____ psi to: _____ psi Frequency: _____
 Excursion pressure: _____ psi Neg. exc. pressure: _____ psi duration of excursion: _____ h
 Excursion frequency: _____ per: _____ at a temperature of _____ °F

4. Specified tightness

without flue gas tight acc. to TI-002 nekal tight acc. to TI-003

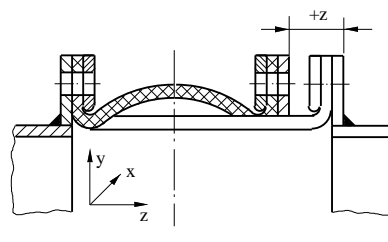
5. Movements

Axial compression



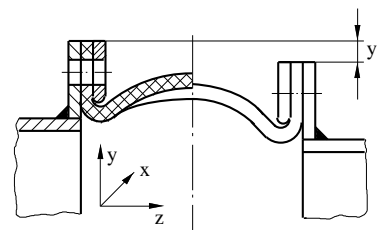
- z: _____ in

Axial elongation



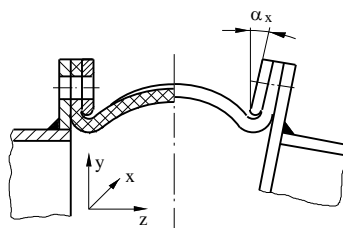
+ z: _____ in

Lateral movement



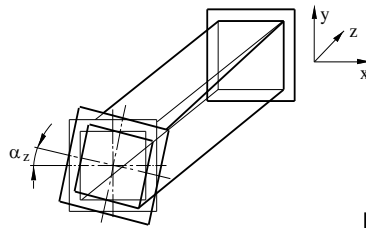
x: _____ in; y: _____ in

Angular movement



α_x : _____ ° α_y : _____ °

Torsion



α_z : _____ °

Vibration

no yes

frequency: _____ s⁻¹

amplitude: _____ in

Offset of the connecting flanges must be specified in detail.

6. Design

Type of connection tubular connection flange connection
 Delivery open endless
 Baffle/sleeve no yes welded bolted
 Insulation between expansion joint and baffle/sleeve yes no

**Edited by the Quality Committee of the Quality
Association for Fabric Expansion Joints**



Technical Information

Expansion joint questionnaire Imperial Units

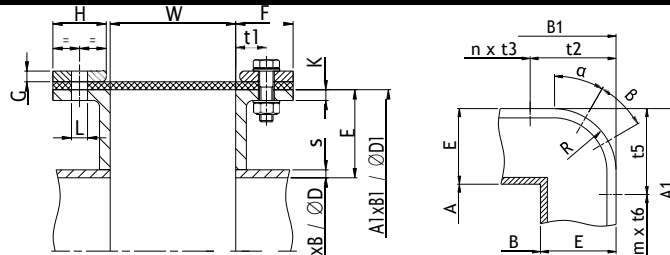
RAL-GZ 719

TI-004

Rev. 0

Page 3 of 4

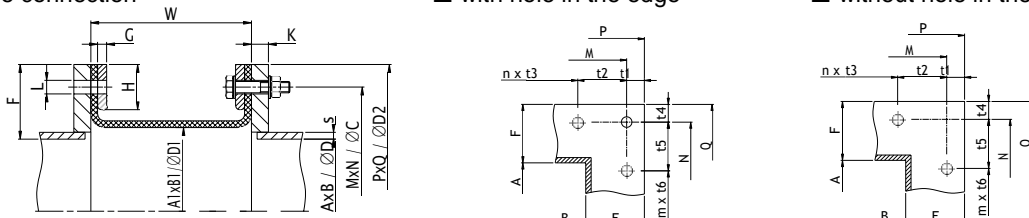
Tubular connection



Flange connection

with hole in the edge

without hole in the edge



Rectangular

Round

AxB	inner duct dimension	A	.....	in	D	inner duct diameter	D	.....	in
		B	.....	in					
A1xB1	inner dimension of the expansion joint	A1	.....	in	D1	inner diameter of the expansion joint	D1	.....	in
		B1	.....	in					
E	set back	E	.....	in	E	set back	E	.....	in
F	flange height/width	F	.....	in	F	flange height/width	F	.....	in
G	counter flange thickness	G	.....	in	G	counter flange thickness	G	.....	in
H	counter flange width	H	.....	in	H	counter flange width	H	.....	in
K	flange thickness	K	.....	in	K	flange thickness	K	.....	in
L	bolt hole diameter	L	.....	in	L	bolt hole diameter	L	.....	in
MxN	hole line distance	M	.....	in	C	bolt pitch	C	.....	in
		N	.....	in	N	number of holes	N	.....	in
PxQ	outer dimension	P	.....	in	D2	outer diameter	D2	.....	in
		Q	.....	in					
R	radius	R	.....	in					
S	duct wall thickness	S	.....	in	S	duct wall thickness	S	.....	in
W	flange distance	W	.....	in	W	flange distance	W	.....	in
t1	distance (round / rect.)	t1	.....	in	t4	distance (only rect.)	t4	.....	in
t2	distance (only rect.)	t2	.....	in	t5	distance (only rect.)	t5	.....	in
t3	distance (only rect.)	t3	.....	in	t6	distance (only rect.)	t6	.....	in
m	number of holes	m	.....		n	number of holes	n	.....
α	angle	α	.....	°	β	angle	β	.....	°

Edited by the Quality Committee of the Quality Association for Fabric Expansion Joints



Technical Information

Expansion joint questionnaire Imperial Units

RAL-GZ 719

TI-004

Rev. 0

Page 4 of 4

7. Scope of supply

- Expansion joint
- Internal insulation
- Counter flanges/tension strips
- Duct flanges
- Bolting
- Baffle/sleeve
- Baffle/sleeve gasket

- supplied in parts
- supplied pre-assembled

- On site measurement
- Mounting
- Supervision

8. Other details

9. Sketch/Drawing

Sketch/drawing enclosed yes no

Drawing No.: _____

Remark: State full and precise details for your safety

Place

Date

Signature

**Edited by the Quality Committee of the Quality
Association for Fabric Expansion Joints**