





# Technical Information

## Expansion joint questionnaire

RAL-GZ 719

**TI-004**

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### 3. Pressure

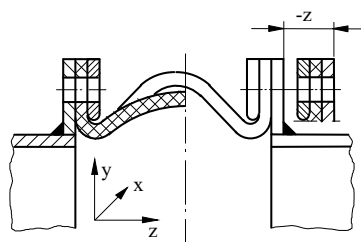
Operating pressure: \_\_\_\_\_ psi    Neg. op. pressure: \_\_\_\_\_ psi    Design pressure: \_\_\_\_\_ psi  
 Transient pressure     no     yes, from: \_\_\_\_\_ psi    to: \_\_\_\_\_ psi    Frequency: \_\_\_\_\_  
 Surge load     no     yes, from: \_\_\_\_\_ psi    to: \_\_\_\_\_ psi    Frequency: \_\_\_\_\_  
 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

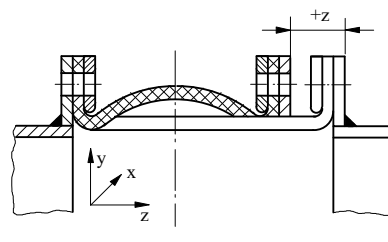
### 5. Movements

Axial compression



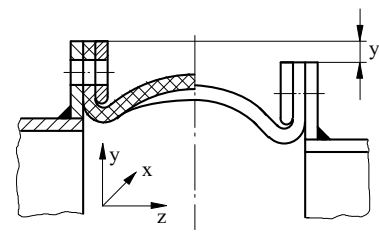
- z: \_\_\_\_\_ in

Axial elongation



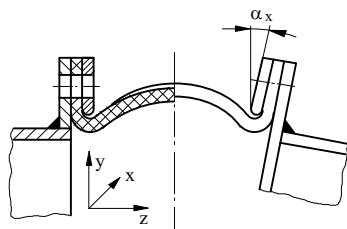
+ z: \_\_\_\_\_ in

Lateral offset



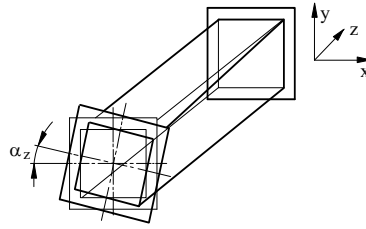
x: \_\_\_\_\_ in; y: \_\_\_\_\_ in

Angular movement



$\alpha_x$ : \_\_\_\_\_ °

Torsion



$\alpha_z$ : \_\_\_\_\_ °

Vibration

no     yes

frequency: \_\_\_\_\_ s<sup>-1</sup>

amplitude: \_\_\_\_\_ in

### 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  
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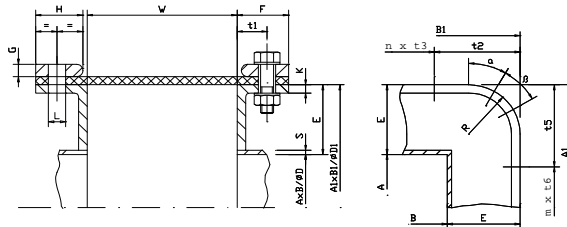
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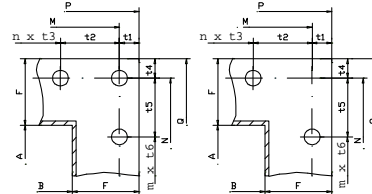
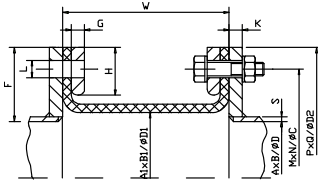
### Tubular connection



### Flange connection

with hole in the edge edge

without hole in the edge



### Rectangular

### Round

AxB	inner duct dimension	A	.....	in	D	inner duct diameter	D	.....	in
		B	.....	in				.....	in
A1xB1	inner dimension of the expansion joint	A1	.....	in	D1	inner diameter of the expansion joint	D1	.....	in
		B1	.....	in				.....	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				.....	in
R	radius	R	.....	in				.....	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	.....	in	n	number of holes	n	.....	in
α	angle	α	.....	°	β	angle	β	.....	°

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### 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

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### 9. Sketch/Drawing

Sketch/drawing enclosed     yes     no

Drawing No.: \_\_\_\_\_

Remark: State full and precise details for your safety

**BUTTON „SEND E-MAIL“:**  
Works only with Adobe Acrobat!

Place

Date

Signature

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