





# Technical Information

## Expansion joint questionnaire

RAL-GZ 719

**TI-004**

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### 3. Pressure

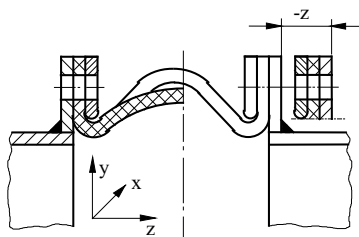
Operating pressure: \_\_\_\_\_ mbar    Neg. op. pressure: \_\_\_\_\_ mbar    Design pressure: \_\_\_\_\_ mbar  
 Transient pressure     no     yes, from: \_\_\_\_\_ mbar    to: \_\_\_\_\_ mbar    Frequency: \_\_\_\_\_  
 Surge load     no     yes, from: \_\_\_\_\_ mbar    to: \_\_\_\_\_ mbar    Frequency: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

### 4. Specified tightness

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

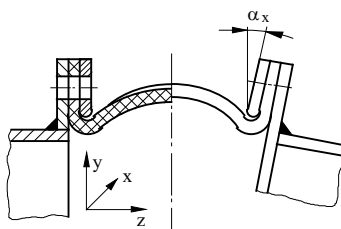
### 5. Movements

Axial compression



- z: \_\_\_\_\_ mm

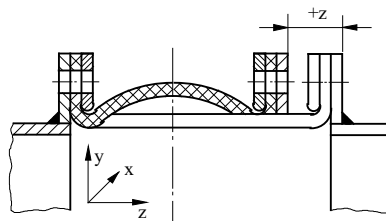
Angular movement



$\alpha_x$ : \_\_\_\_\_ °

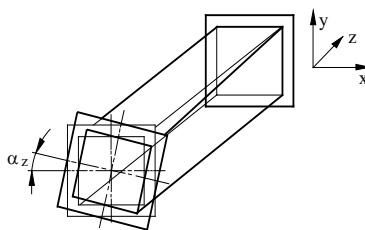
$\alpha_y$ : \_\_\_\_\_ °

Axial elongation



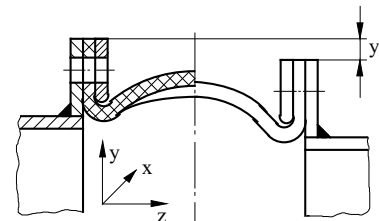
+ z: \_\_\_\_\_ mm

Torsion



$\alpha_z$ : \_\_\_\_\_ °

Lateral offset



x: \_\_\_\_\_ mm; y: \_\_\_\_\_ mm

Vibration

no                                     yes

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

amplitude: \_\_\_\_\_ mm

### 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**



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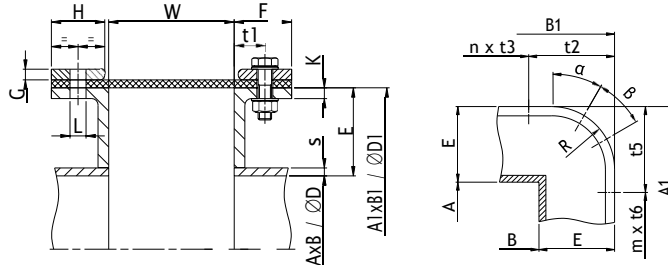
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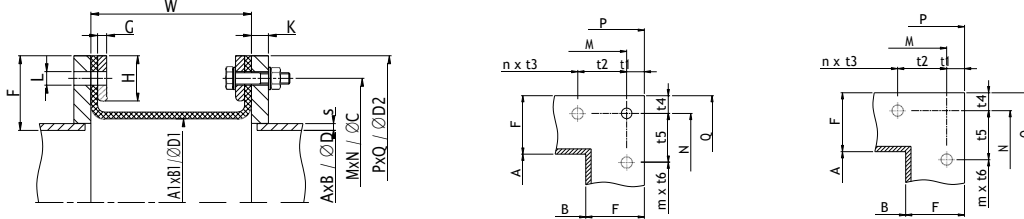
Tubular connection



Flange connection

□ with hole in the edge

□ without hole in the edge



Rectangular

Round

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

.....  
Place

.....  
Date

.....  
Signature

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