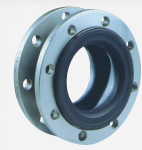


## RUBBER EXPANSION JOINT, TYPE FSF-15 EPDM



### APPLICATIONS

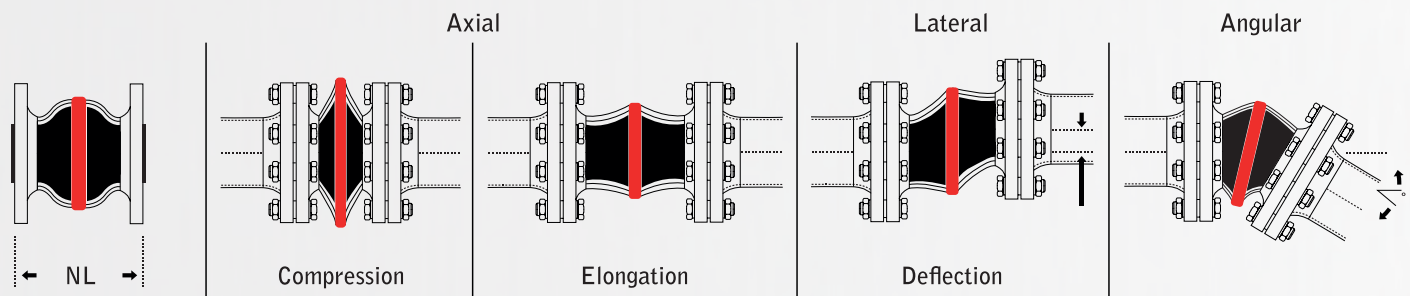
Flexible expansion joints for absorbing thermal expansion and reduction of vibrations in pipe systems. This type has an overall length of 130 mm for all sizes. The rubber sealing surface makes the use of gaskets unnecessary. Applicable fluids: water, warm water, waste water, seawater, weak acids, alkalies, compressed air (oil free). Not suitable for oil, gasoline and greases. For high vacuum a vacuum spiral must be used.

### TECHNICAL DESCRIPTION

Liner	: EPDM
Reinforcement	: Nylon tire cord
Wire	: Steel wires
Cover	: EPDM
Marking	: Red band
Temperature range	: -25°C to + 100°C (-13°F to + 212°F)

### CONNECTIONS

Swivelling flanges, PN10/16, carbon steel, zinc plated.  
Other flanges (ANSI) and materials (AISI304, AISI316) on request.

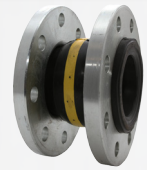


DATA TABLE

DN	NL Neutral Length	Axial Compression	Axial Elongation	Lateral Deflection	Angular	Max. Pressure	Max. Pressure	Vacuum Rating
mm (in.)	mm	mm	mm	mm	°	bar/+20°C	bar/+100°C	bar
32(1.1/4)	130	-30	+20	20	35°	16	10	0,5
40(1.1/2)	130	-30	+20	20	35°	16	10	0,5
50(2)	130	-30	+20	20	35°	16	10	0,5
65(2.1/2)	130	-30	+20	20	30°	16	10	0,5
80(3)	130	-30	+20	20	30°	16	10	0,5
100(4)	130	-30	+20	20	25°	16	10	0,5
125(5)	130	-30	+20	20	25°	16	10	0,5
150(6)	130	-30	+20	20	15°	16	10	0,5
200(8)	130	-30	+20	20	15°	16	10	0,5
250(10)	130	-30	+20	20	10°	16	10	0,5
300(12)	130	-30	+20	20	10°	16	10	0,5

\*For combined movements, consult AmniTec BV.

## RUBBER EXPANSION JOINT, TYPE FSF-15 NBR



### APPLICATIONS

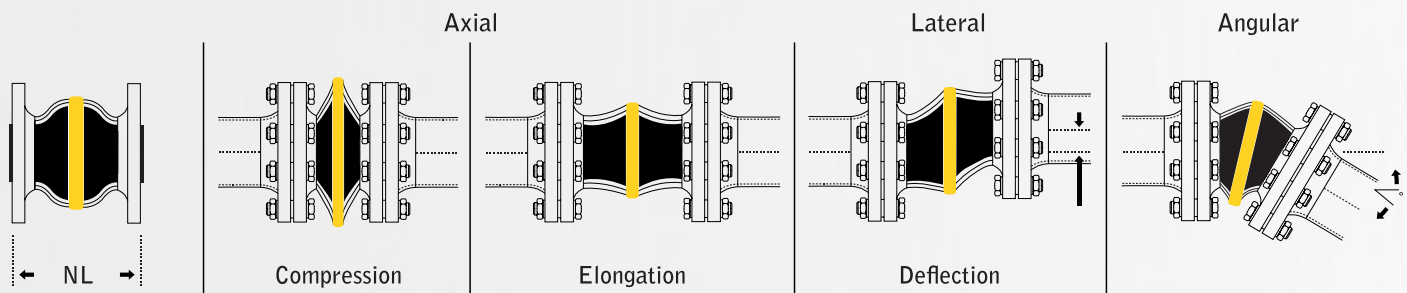
Flexible expansion joints for absorbing thermal expansion and reduction of vibrations in pipe systems. This type has an overall length of 130 mm for all sizes. The rubber sealing surface makes the use of gaskets unnecessary. Applicable fluids: water, warm water, oil, solvents and greases. Not suitable for hot water (100°C) and steam. For high vacuum a vacuum spiral must be used.

### TECHNICAL DESCRIPTION

Liner	: NBR
Reinforcement	: Nylon tire cord
Wire	: Steel wires
Cover	: NBR
Marking	: Yellow band
Temperature range	: -20°C to + 85°C (-13°F to + 194°F)

### CONNECTIONS

Swivelling flanges, PN10/16, carbon steel, zinc plated.  
Other flanges (ANSI) and materials (AISI304, AISI316) on request.

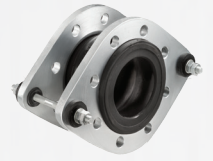


DATA TABLE

DN	NL Neutral Length	Axial Compression	Axial Elongation	Lateral Deflection	Angular	Max. Pressure	Max. Pressure	Vacuum Rating
mm (in.)	mm	mm	mm	mm	°	bar/20°C	bar/85°C	bar
32(1.1/4)	130	-30	+20	20	35°	16	10	0,5
40(1.1/2)	130	-30	+20	20	35°	16	10	0,5
50(2)	130	-30	+20	20	35°	16	10	0,5
65(2.1/2)	130	-30	+20	20	30°	16	10	0,5
80(3)	130	-30	+20	20	30°	16	10	0,5
100(4)	130	-30	+20	20	25°	16	10	0,5
125(5)	130	-30	+20	20	25°	16	10	0,5
150(6)	130	-30	+20	20	15°	16	10	0,5
200(8)	130	-30	+20	20	15°	16	10	0,5
250(10)	130	-30	+20	20	10°	16	10	0,5
300(12)	130	-30	+20	20	10°	16	10	0,5

\*For combined movements, consult AmniTec BV.

## RUBBER EXPANSION JOINT, TYPE FSF-15TIED EPDM >>



### APPLICATIONS

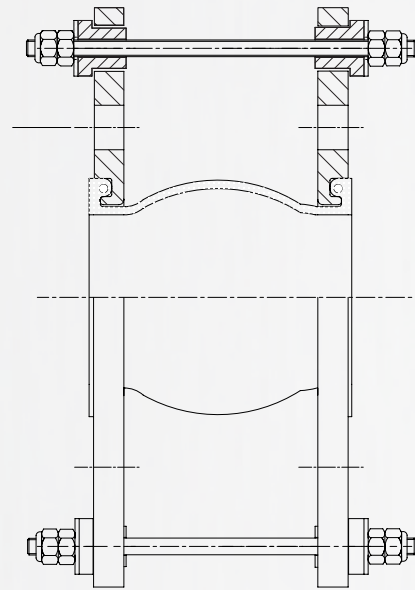
Flexible expansion joints for absorbing thermal expansion and reduction of vibrations in pipe systems. This type has an overall length of 130 mm for all sizes. The sealing surface makes the use of gaskets unnecessary. Applicable fluids: water, warm water, waste water, seawater, weak acids, alkalies, compressed air (oil free). Not suitable for oil, gasoline and greases. For high vacuum a vacuum spiral must be used.

### TECHNICAL DESCRIPTION

Liner	: EPDM
Reinforcement	: Nylon tire cord
Wire	: Steel wires
Cover	: EPDM
Tie-rods	: Galvanised with locking nuts
Top Hat	: EPDM rubber top hat washer
Marking	: Red band
Temperature range	: -25°C to + 100°C (-13°F to + 212°F)

### CONNECTIONS

Oval swivelling flanges, PN10/16, carbon steel, zinc plated, with 2 tie-rods. Diameters DN250 and DN300 executed with square flanges and 4 tie-rods. Other flanges (ANSI) and materials (AISI304, AISI316) on request.

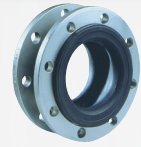


### DATA TABLE

DN	NL Neutral Length	Axial Compression	Max. Pressure	Max. Pressure	Vacuum Rating
mm (in.)	mm	mm	bar/+20°C	bar/+100°C	bar
40 (1 1/2)	130	-30	16	10	0,5
50 (2)	130	-30	16	10	0,5
65 (2 1/2)	130	-30	16	10	0,5
80 (3)	130	-30	16	10	0,5
100 (4)	130	-30	16	10	0,5
125 (5)	130	-30	16	10	0,5
150 (6)	130	-30	16	10	0,5
200 (8)	130	-30	16	10	0,5
250 (10)	130	-30	16	10	0,5
300 (12)	130	-30	16	10	0,5

\*For combined movements, consult AmniTec BV.

## RUBBER EXPANSION JOINT, TYPE FSF-10 EPDM



### APPLICATIONS

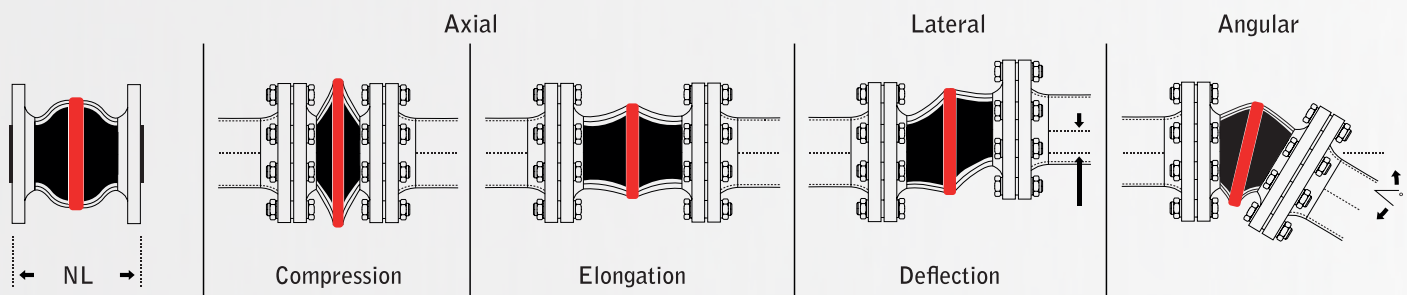
Flexible expansion joints for absorbing thermal expansion and reduction of vibrations in pipe systems. EPDM rubber bellow with specific length from DN32 up to DN600. The rubber sealing surface makes the use of gaskets unnecessarily. Applicable fluids: water, warm water, waste water, seawater, weak acids, alkalies, compressed air (oil free). Not suitable for oil, gasoline and greases. For high vacuum a vacuum spiral must be used.

### TECHNICAL DESCRIPTION

Liner	: EPDM
Reinforcement	: Nylon tire cord
Wire	: Steel wires
Cover	: EPDM
Marking	: Red band
Temperature range	: -25°C to + 100°C (-13°F to + 212°F)

### CONNECTIONS

Swivelling flanges, PN10/16, carbon steel, zinc plated.  
Other flanges (ANSI) and materials (AISI304, AISI316) on request.



DATA TABLE

DN	NL Neutral Length	Axial Compression	Axial Elongation	Lateral Deflection	Angular	Max. Pressure	Max. Pressure	Vacuum Rating
mm (in.)	mm	mm	mm	mm	°	bar/+20°C	bar/+100°C	bar
32(1.1/4)	95	-8	+4	8	15°	16	10	0,5
40(1.1/2)	95	-8	+4	8	15°	16	10	0,5
50(2)	105	-8	+5	8	15°	16	10	0,5
65(2.1/2)	115	-12	+6	10	15°	16	10	0,5
80(3)	130	-12	+6	10	15°	16	10	0,5
100(4)	135	-18	+10	12	15°	16	10	0,5
125(5)	170	-18	+10	12	15°	16	10	0,5
150(6)	180	-18	+10	12	15°	16	10	0,5
200(8)	205	-25	+14	22	15°	16	10	0,5
250(10)	240	-25	+14	22	15°	16	10	0,5
300(12)	260	-25	+14	22	15°	16	10	0,5
350(14)	265	-25	+16	22	15°	16	10	0,5
400(16)	265	-25	+16	22	15°	16	10	0,5
450(18)	265	-25	+16	22	15°	16	10	0,5
500(20)	265	-25	+16	22	15°	16	10	0,5
600(24)	265	-25	+16	22	15°	16	10	0,5

\*For combined movements, consult AmniTec BV.

## RUBBER EXPANSION JOINT, TYPE FTU EPDM >>



### APPLICATIONS

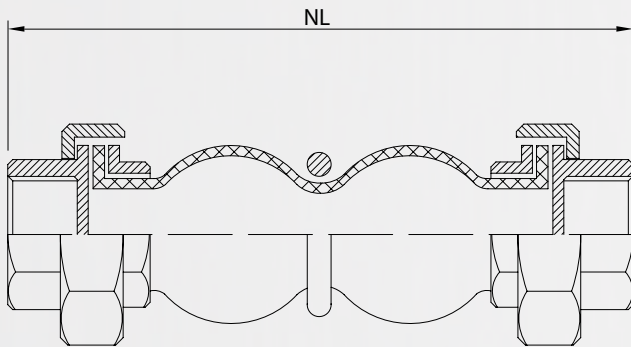
Flexible expansion joints for absorbing thermal expansion and reduction of vibrations in pipe systems. Double sphere EPDM rubber bellow with female threaded unions. Applicable fluids: water, warm water, waste water, seawater, weak acids, alkalis, compressed air (oil free). Not suitable for oil, gasoline and greases.

### TECHNICAL DESCRIPTION

Liner	: EPDM
Reinforcement	: Nylon tire cord
Wire	: Steel wires
Retaining ring	: Galvanised
Cover	: EPDM
Marking	: Red band
Temperature range	: -25°C to + 100°C (-13°F to + 212°F)

### CONNECTIONS

Unions in ductile cast iron with BSPT female thread. Other threaded unions (NPT, BSPP) and materials (AISI304, AISI316) on request.



### DATA TABLE

DN	NL Neutral Length	Axial Compression	Axial Elongation	Lateral Deflection	Angular	Max. Pressure	Max. Pressure	Vacuum Rating
mm (in.)	mm	mm	mm	mm	°	bar/20°C	bar/100°C	bar
20(3/4)	200	-22	+6	22	45°	10	6	0,5
25(1)	200	-22	+6	22	45°	10	6	0,5
32(1.1/4)	200	-22	+6	22	45°	10	6	0,5
40(1.1/2)	200	-22	+6	22	45°	10	6	0,5
50(2)	200	-22	+6	22	45°	10	6	0,5
65(2.1/2)	200	-22	+6	22	45°	10	6	0,5
80(3)	200	-22	+6	22	45°	10	6	0,5

\*For combined movements, consult AmniTec BV.