

RUBBER EXPANSION JOINTS

This type of expansion joint was initially designed for air conditioning installations; however, today it is used for many different applications in several industrial areas. They are used mainly to absorb vibrations and compensate small movements. Usually designed for industrial services, HVAC or pumping stations.

PROPERTIES



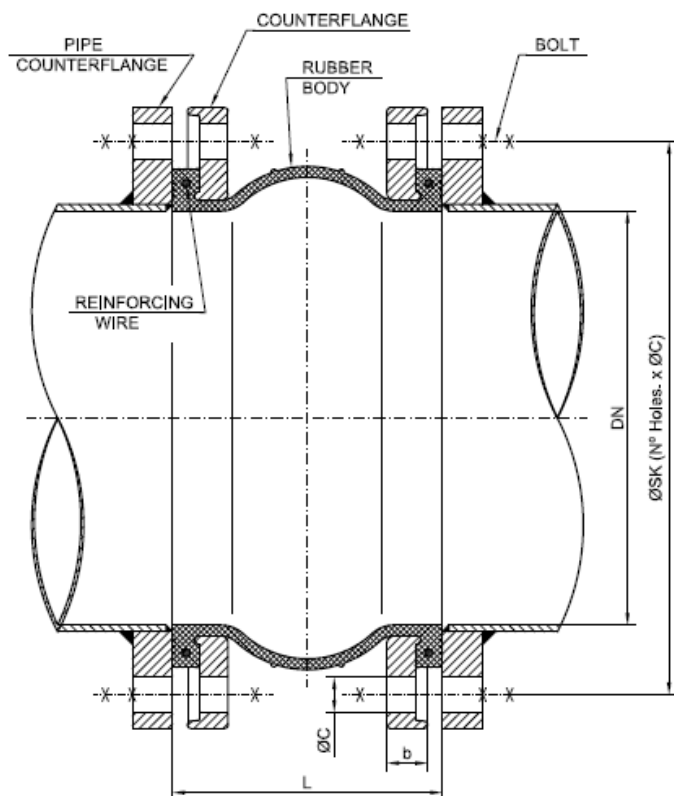
- Excellent absorption of vibrations and noise
- Moulded type – Fixed length
- Floating flanges
- PTFE lining available
- Easy to install
- High resistance to pressure
- More flexibility in less space
- Long life expectancy and very reliable

USUALLY INSTALLED IN

- Industrial services
- Pumping stations
- HVAC
- Others

SERVICE CONDITIONS	
Nominal Diameter - DN	32 - 400 mm (From 1 1/4" to 16")
Working pressure	Up to 20 bar (290psi)
Test pressure	30 bar (435psi.)
Temperature	Up to 150°C (190°F)

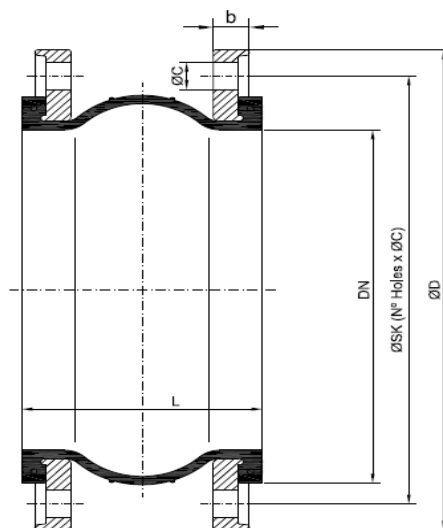
COMPOSITION



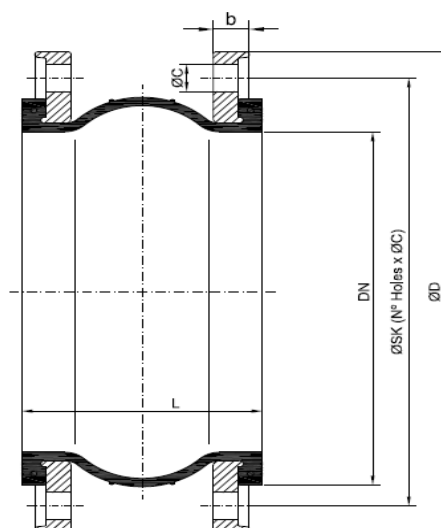
MATERIALS		
Flanges*		Carbon steel hot dip galvanized, Stainless steel 304-316, 904, Duplex, Superduplex, others
Reinforcing wire		Carbon steel
Rubber body	Inside lining**	EPDM, Neoprene, Nitrile, Butyl, Hypalon, Viton, others
	Outside cover**	EPDM, Neoprene, Nitrile, Butyl, Hypalon, Viton, others
	Reinforcing fabric	Nylon or Kevlar

* Other materials by request

**Other materials by request


B-Flex PN10

DN		Weight	Length	ØD	ØSK	ØC	Number of holes
mm.	Inches						
32	1 1/4"	3	130/150	140	100	18	4
40	1 1/2"	4	130/150	150	110	18	4
50	2"	5	130/150	165	125	18	4
65	2 1/2"	6	130/150	185	145	18	4
80	3"	7	130/150	200	160	18	4
100	4"	7	130/150	220	180	18	8
125	5"	10	130/150	250	210	18	8
150	6"	13	130/150/200	285	240	22	8
200	8"	19	130/150/200	340	295	22	8
250	10"	23	130/150/200	395	350	22	12
300	12"	30	130/200	445	400	22	12
350	14"	39	200	505	460	22	16
400	16"	47	200	565	515	26	16



B-Flex PN16							
DN		Weight	Length	ØD	ØSK	ØC	Number of Holes
mm.	Inches.						
32	1 1/4"	3	130/150	140	100	18	4
40	1 1/2"	4	130/150	150	110	18	4
50	2"	5	130/150	165	125	18	4
65	2 1/2"	6	130/150	185	145	18	4
80	3"	7	130/150	200	160	18	8
100	4"	7	130/150	220	180	18	8
125	5"	10	130/150	250	210	18	8
150	6"	13	130/150/200	285	240	22	8
200	8"	19	130/150/200	340	295	22	12
250	10"	23	130/150/200	405	355	26	12
300	12"	30	130/200	460	410	26	12
350	14"	39	200	520	470	26	16
400	16"	47	200	580	525	30	16

B-Flex ANSI 150#							
DN		Weight	Length	ØD	ØSK	ØC	Number of holes
mm.	Inches	Kg	mm.				
32	1 1/4"	3	130/150	118	89	16	4
40	1 1/2"	4	130/150	127	98	16	4
50	2"	5	130/150	153	121	19	4
65	2 1/2"	6	130/150	178	140	19	4
80	3"	7	130/150	191	152	19	4
100	4"	7	130/150	229	191	19	8
125	5"	10	130/150	254	216	22	8
150	6"	13	130/150/200	279	241	22	8
200	8"	19	130/150/200	343	298	22	8
250	10"	23	130/150/200	406	362	25	12
300	12"	30	130/200	483	432	25	12
350	14"	39	200	533	476	29	12
400	16"	47	200	597	540	29	16

ACCESORIES

- Tie rods
- Inner sleeve
- Vacuum rings
- Protective cover
- Fire resistant cover
- PTFE liner

MOVEMENTS CHART						
DN		Length	Axial (mm.)		Lateral	Angular
mm.	inch.	mm.	Compression	Elongation	mm.	α
32	1 1/4"	130	30	15	20	35
		150	35	20		
40	1 1/2"	130	30	15	20	35
		150	35	20		
50	2"	130	30	15	20	30
		150	35	20		
65	2 1/2"	130	30	15	20	30
		150	35	20		
80	3"	130	30	15	20	30
		150	35	20		
100	4"	130	30	15	20	25
		150	35	20		
125	5"	130	30	15	20	25
		150	35	20		
150	6"	130	30	15	20	15
		150	35	20		
200	8"	130	30	20	20	15
		200	40	20		
250	10"	130	30	20	20	10
		200	40	20		
300	12"	130	30	20	20	10
		200	40	20		
350	14"	200	35	25	20	10
400	16"	200	35	25	20	9