

# Stainless Steel Expansion Bellows



## Application

The Bellows and expansion joints are being manufactured based on proven technology used world wide to various applications in the industry. The product sizes range from 14mm to 400mm inner dia in circular bellows. The expansion joints with single and multiply with necessary accessories and fittings are part of the product range. The bellows and expansion joints can be tailor made to meet specific requirements of the customer within the available product range. Bellows expansion joints are designed as per EJMA standard. Bellows expansion joints are employed in piping systems to absorb differential thermal expansion while containing the system pressure. They are being used in Refineries, Chemical plants, Nuclear Power System, Heating and Cooling system etc.

## Note:

Assemblies are TIG welded and tested according to customer request. Assemblies are normally supplied with new end terminations, however customer supplied ends can be used if practicable. Fully compressed units to be cold. Extended on Installation. Inner sleeves are an additional component to be specified at time of order.

### Type of Bellows

- Circular Bellow(Standard Range)
- Square Bellow (On Special Request)
- Rectangular Bellow(On Special Request)

### Type of End Fittings

- Fixed Flange
- Welded End
- Vanstone Flange / Floating Flange

### Type of Expansion Joints

- Single Expansion Joints
- Single Tied Expansion Joints
- Hinged Expansion Joints
- In - Line Pressure Balanced Expansion Joints
- Gimbal Expansion Joints
- Universal Expansion Joints
- Pressure Balanced Expansion Joints

## Technical Specifications - SS ' R-10 ' Series

NB	PN	WP (Bar)	No of Corrugations	Cuff ODB (mm)	Bellow ODA ( mm)	Axial +/-mm	Cuff (mm)	L (mm)
50	R50-10	10	7	59.3	81.3	15	11	107.5
65	R65-10	10	9	75.2	99.8	20	12.3	134.6
80	R80-10	10	7	87.5	114	15	13.3	120
100	R100-10	10	9	112	142	20	15.1	150
125	R125-10	10	9	137	170.5	20	16.7	163
150	R150-10	10	10	165	201	25	18.7	196
200	R200-10	10	10	219	259	25	10-15	240
250	R250-10	10	10	274	314	25	10-15	240
300	R300-10	10	11	324	364	25	10-15	262
350	R350-10	10	8	355.6	396	20	10-15	196

## Technical Specifications - SS ' R-10 ' Series

NB ⇅	PN ⇅	WP (Bar) ⇅	No of Corrugations ⇅	Cuff ODB (mm) ⇅	Bellow ODA ( mm) ⇅	Axial +/-mm ⇅	Cuff (mm) ⇅	L (mm) ⇅
400	R400-10	10	8	415	452	20	10-15	250
450	R450-10	10	8	465	510	20	10-15	245
500	R500-10	10	8	515	570	20	10-15	260
600	R600-10	10	8	355.6	670	20	10-15	290

## HP Bellows | SS Bellow Elements - R50-16 to R350-16

### Technical Specifications - SS ' R-16 ' Series

NB ⇅	PN ⇅	WP (Bar) ⇅	No of Corrugations ⇅	Cuff ODB (mm) ⇅	Bellow ODA ( mm) ⇅	Axial +/-mm ⇅	Cuff (mm) ⇅	L (mm) ⇅
50	R50-10	16	11	59.3	81.3	20	11	153
65	R65-10	16	11	75.2	99.8	20	12.3	175
80	R80-10	16	11	87.5	114	20	15.1	154
125	R125-10	16	11	112	142	20	15.1	154
125	R125-10	16	11	137	170.5	20	16.7	214
150	R150-10	16	11	165	201	20	18.7	226
200	R200-10	16	11	219	259	20	10-15	304
250	R250-10	16	12	274	314	25	10-15	304
300	R300-10	16	12	324	364	25	10-15	304
350	R350-10	16	12	355.6	396	25	10-15	304

For more details or product related enquires feel free mail us: [info@italflexitaly.it](mailto:info@italflexitaly.it)