

# FLEXCONS

## BELLOWS & EXPANSION JOINTS

### USED IN :

- Apartments
- Architectural Installations
- Cement Factories
- Chemical Plants
- Civil Structures
- Cooling Towers
- Conveyor Systems
- Dust Collection Systems
- Factories
- Fire Fighting Systems
- Furnace Constructions
- Gas Management Systems
- Glass Industries
- Heat Exchangers
- Heating & Airconditioning Plants
- Hotels & Hospitals
- Irrigation Systems
- Land Reclamation
- Machinery
- Marine & Shipbuilding
- Mines
- Oil Refineries
- Pollution Control Systems
- Ports
- Pulp and Paper Mills
- Pumping Stations
- Reactor Constructions
- Sewage Disposal Plants
- Steel Plants
- Thermal & Nuclear Power Stations
- Waterworks

Upto 2000 mm  
DIA



For BIG RELIEF from  
STRESSES AT  
PIPE FLANGES

INNOMERABLE INSTALLATIONS  
SINCE 1965



*"Vibration Hertz Really Hurts"*

Authorised Distributor :

**LALIT MACHINERY STORE**

64&65, Inside Ajmeri Gate, Delhi-110 006.

Telefax : 2323 6856, 2323 9229, 2323 7692

E-mail : lms@hosexperts.com



## MACHINE MOULDED

### Exclusive Constructional Features :

**CARCASS** - Consists layers of durable high tensile Cord for reinforcing the supporting member between tube & cover.

**Arches** - can be filled if required, to avoid accumulation of sediment and to provide a smooth bore. However, flexibility of joint is reduced by 50%

**Metal Reinforcements** - Non-migrating metal rings are embedded in the body for extra strength, higher safety factor, higher pressure and rigidity for vacuum service.

**Metal Retaining Rings (standard)** - For distributing the bolting pressure around the flanges and to prevent the bolts from damaging the Rubber Flanges when tightened. Steel Rings are split, beveled and painted.

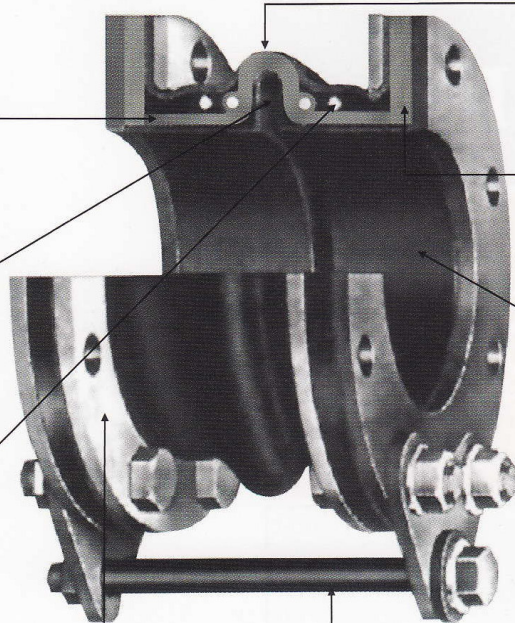
**Also available:** Companion Flanges, Fixing Bolts, Nuts and Washers, Fixing Tools & Tackles.

**Cover** -To protect body from atmosphere condition or mechanical damages, NEOPRENE rubber is standard for weather, heat & oil resistance and long service life.

**Flanges** -Full faced integral with tube -are tough and non -compressible to resist flow under bolting pressure No Gaskets are required

**Tube** - Leakproof, Abrasion Resistant. Seamless Lining of Rubber (synthetic or natural) is selected to ensure that joint will not be affected by passing fluid (e.g. Air, Water, Oil, Gas, Acid, or Chemicals).

**Control Rods (optional)** - To prevent damage to expansion joints by excessive elongation or compression of piping systems not anchored.



### PRESSURE AND VACUUM RATING

TYPE	Nominal Bore mm	Pressure Bars	Vacuum mm HG
LIGHT DUTY	12 - 300	10.0	700
	350	7.0	700
	400 - 600	5.0	700
HEAVY DUTY	12 - 300	15.0	700
	350	10.0	700
	400 - 600	5.0	700

### TEMPERATURE RATINGS

Standard	Minus 10° C to + 70° C
Special	Minus 10° C to + 105° C

### MOVEMENTS (SINGLE ARCH)

Nominal Bore mm	Length mm	Axial Comp. mm	Axial Elongation. mm	Transverse Deflection mm	Angular Movement		Torsional Movement Deg.
					Bore mm	Deg.	
20 - 25	125	12	6	12	25	14.5	3
32 - 200	150	12	6	12	50	14.5	3
					75	10.0	3
					100	7.5	3
					125	6.0	3
					150	5.0	3
					200	5.0	3
250-350	200	19	10	12	250 - 300	4.0	3
					350 - 400	2.5	2
					450 - 500	2.0	1
550-600	250	22	11	12	550 - 600	2.0	1

Bores up to 32 mm are supplied with filled arch.

**Filled Arch Movement** : 0.5 x Single Arch Movement

**Multiple Arch Movement** : No. of Arches x Single Arch Movement

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