



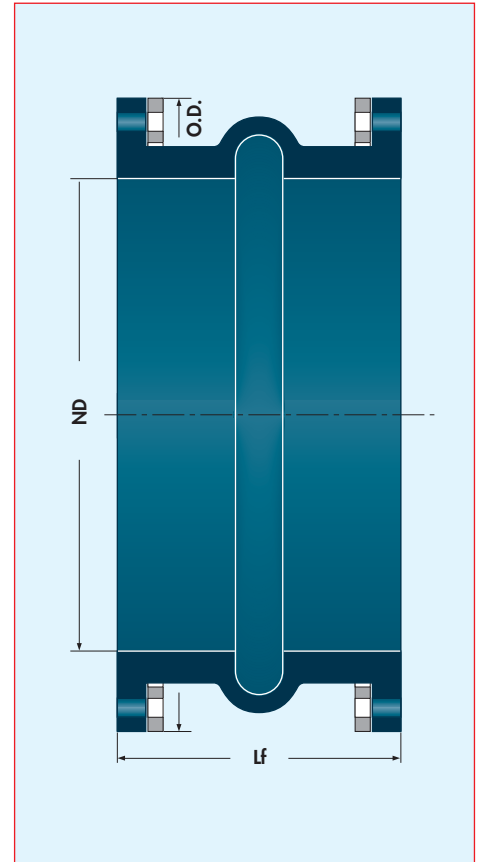
## TECHNICAL DATA

Number of arch	Nominal Diameter		Manufactured length (Lf in mm)	Drilling Standards (1)			Max. permissible pressure bar	Steel ring required for vacuum greater than ..... % vacuum	Max. Permissible Movements (1) (not concurrent)				End thrust in KdaN for P= 1 bar	Approximate weight/Kg (below only) (2)
	ND	NPS		ISO 2084 NF EN 1759-1 NF EN 1092-1					Axial Compression (mm)	Axial Elongation (mm)	Lateral Shearing (mm)	Angular Deflection (°)		
	mm	inches		PN 2.5	PN 6 - PN 10	PN 16								
1 arch	500	20	300	X	X	X	10	20	40	30	20	6	2.5	30
	550	22	300	X	X	X	10	20	20	30	15	4	3.0	40
	600	24	300	X	X	X	10	20	40	40	20	7	3.8	43
	700	28	300	X	X	X	10	20	40	40	20	6	4.9	44
	750	30	300	X	X	X	10	20	20	20	15	3	5.3	60
	800	32	400	X	X	X	10	20	40	40	20	5	6.3	67
	850	34	400	***	***	***	10	20	40	40	20	5	7.0	70
	900	36	400	X	X	X	10	20	40	40	20	5	8.8	80
	1 000	40	400	X	X	X	10	20	40	40	20	4	9.4	84
	1 100	44	400	X	X	X	6	20	40	30	20	3	10.7	100
	1 200	48	400	X	X	X	6	20	40	40	20	3	13.2	120
	1 250	50	400	***	***	***	6	10	40	40	20	3	14.2	115
	1 300	52	400	X	X	X	6	10	20	20	15	1.5	14.8	115
	1 400	56	400	X	X	X	6	10	40	40	20	3	17.6	150
	1 500	60	400	X	X	X	6	10	20	20	15	1.5	20.0	170
	1 600	64	400	X	X	X	6	10	40	30	20	2	22.4	183
	1 700	68	400	X	X	X	6	10	40	30	20	1.5	25.2	215
	1 800	72	400	X	X	X	6	10	20	20	15	1	27.8	225
2 000	80	750	X	X	X	1.5	-	150	100	50	5	38.3	275	
2 200	88	750	X	X	X	1.5	-	150	150	75	7	48.2	400	
2 400	96	400	X	X	X	4	-	50	40	20	1.5	49.6	300	
2 500	100	750	X	X	X	1.5	-	150	100	50	4	56.8	450	
2 600	104	750	X	X	X	1.5	-	150	150	75	6	64.4	500	
3 000	120	750	X	X	X	1.3	-	150	100	50	3	79.3	550	

(\*\*\*) Non standard drilling.

(1) Other drillings available (e.g. BS10DE, AWWA...): please ask.

(2) Expansion joints to be mounted with counter-flanges in 2 parts (galvanised, zinc-chromated, stainless steel).



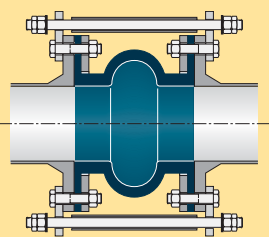
## MAINTENANCE \*

### USE OF CONTROL UNITS

#### Tie rods to limit axial movements (for expansion joints between anchors)

When there is a risk of unexpected axial movements, these must be controlled by fitting tie rods.

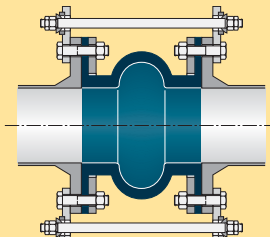
#### Principle of tie rods to limit axial movements



#### Thrust stabiliser rods (in the absence of anchors)

When it is not feasible to fit anchors, stabiliser rods must be fitted to take up thrust due to fluid pressure. These rods are only used to compensate for lateral or angular movements (in the latter case with max. 2 rods in the appropriate direction).

#### Principle of thrust stabiliser rods for pressure service



### CARE AND MAINTENANCE

For optimum preservation of expansion joints during storage, take care to avoid deformation and exposure to direct sunlight. Place them in a dry, cool place, away from ultra-violet radiation or ozone generating sources.

Prior to installation, make sure they will not be subjected to movement exceeding the allowable limits.

Always provide easy access to the expansion joints for periodic inspection, especially to check tightness of joint bolts, extent of movements during operation and behaviour of anchors and tie rods.

Joints should be not covered with insulating material. They must never be painted.

\* Please consult us and refer to our detailed instructions.