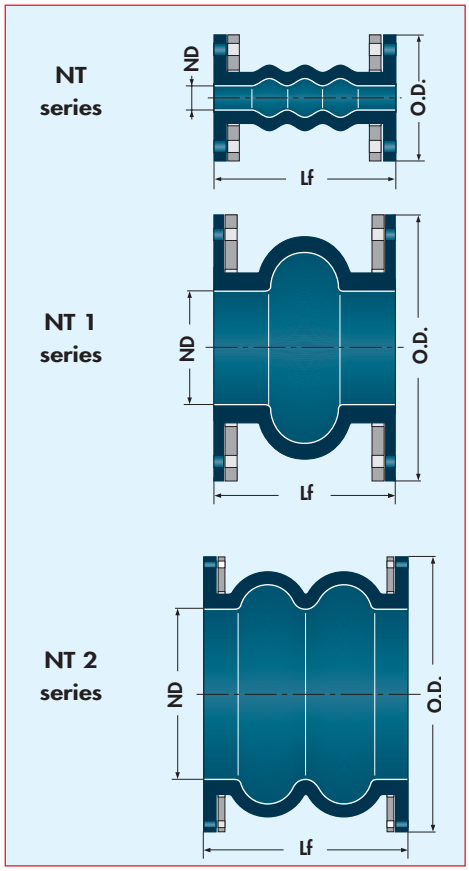
DILATOFLEX® NT



DILATOFLEX® NT expansion joints can be supplied :
– with separate two-piece retaining rings
– without retaining rings (except NT ES grade suppliedwith integral retaining rings for sizes ≤ 225 mm).

TECHNICAL DATA

Series	Nominal Diameter ND mm	Nominal Diameter NPS inches	Manufactured length (Lf in mm)	Drilling Standards (1) ISO 2084 NF EN 1759-1 NF EN 1092-1 PN 6	PN 10 – PN 16	Class 150 (PN 20)	Max. permissible pressure (2) (3) (4) bar	Steel ring required for vacuum greater than ..... % vacuum	Max. Permissible Movements (1) (not concurrent) Axial Compression (mm)	Axial Elongation (mm)	Lateral Shearing (mm)	Angular Deflection (°)	End thrust in daN for P= 1 bar	Approximate weight/Kg (below only) (5)
NT	20	3/4	150	X	X	X	12	—	12	8	10	30	4	0.4
	25	1	150	X	X	X	12	—	15	8	10	25	6	0.4
	32	1 1/4	150	X	X	X	12	—	15	8	10	20	8.5	1.4
NT 1	40	1 1/2	150	X	X	X	16	—	30	20	15	20	48	1.1
	50	2	150	X	X	X	16	—	30	30	15	20	80	1.3
	65	2 1/2	150	X	X	X	16	—	30	30	15	20	115	1.6
	80	3	150	X	X		16	—	30	30	15	20	138	1.9
	100	4	150	X	X	X	16	50	30	30	15	20	190	2.4
	125	5	150	X	X	X	16	50	30	30	15	10	270	2.5
	150	6	150	X	X	X	16	50	30	30	15	10	370	3.0
	175	7	150		X		16	50	30	30	15	10	445	3.6
	200	8	150	X	X	X	16	50	30	30	15	10	560	4.0
	225	9	150		X		16	50	30	30	15	10	700	4.6
	250	10	200	X	X	X	16	50	25	30	30	9	800	8.0
	300	12	200	X	X	X	16	50	25	30	30	8	1.000	10.0
	350	14	200	X	X	X	16	50	25	30	30	7	1.300	11.5
	400	16	200	X	X	X	16	50	25	30	30	6	1.700	14.0
	450	18	200	X	X	X	16	50	25	30	30	5	2.000	15.0
NT 2	250	10	300	X	X	X	16	30	60	60	30	25	800	11.0
	300	12	300	X	X	X	16	30	60	60	30	22	1.100	13.0
	350	14	300	X	X		16	30	60	60	30	18	1.500	15.0
	400	16	300	X	X	X	16	30	60	60	30	16	1.900	17.0
	450	18	300	X	X	X	16	30	60	60	30	14	2.400	19.0

(1) Other drillings available (e.g . PN6, PN25, PN40, BS10D-E) : please ask.

(2) CC rubber grade : W.P. is limited to 10 bar for W.T. over +90°C.
(3) ES rubber grade : max. operating conditions W.P. 25 bar at +140°C W.T.
(4) Limited to Nominal Pressure of the drilling standard that is used.
(5) Expansion joints to be mounted with counter-flanges in 2 parts (galvanised, zinc-chromated, stainless steel).

INSTALLATION AND

MOUNTING

DILATOFLEX® expansion joints should be fitted to clean, flat or raised face piping (*) with no rough surfaces. They are assembled using steel retaining rings and bolts (with the bolt heads towards the joint body where possible).

Bolting pressure must be evenly distributed around the expansion joint :
– DILATOFLEX® K : bolts to be tightened to approx. 8 m.kg
– DILATOFLEX® NT, N and M : bolting to be tightened to 30% of max. permissible torque.

** **Flat faced** piping flanges must be used with:*

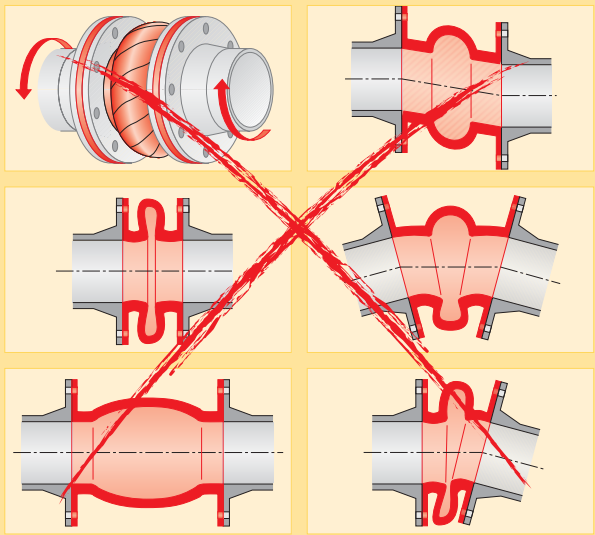
– DILATOFLEX® NT, ES grade, ND ≤ 225 mm, where W.P. >10 bar and/or temperature > 100 °C

– DILATOFLEX® NT, all grades, ND ≥ 250 mm, where W.P. >10 bar and / or temperature > 90 °C

– DILATOFLEX® M, all grades

UNACCEPTABLE MOUNTING CONFIGURATIONS

To insure a long service life, take particular care when positioning the expansion joints not to subject them to any excessive deformation that may be caused by:



NOT PERMISSIBLE