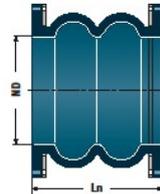
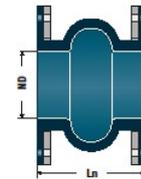
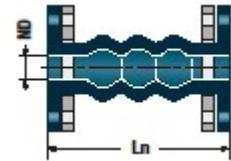


DILATOFLEX®

DILATOFLEX® NT



| Types | Nominal Diameter | Nominal Length* | Drilling Standards (3) | | Max. Permissible Pressure (2)(3)(4) | Steel Ring Required for Vacuum Greater than ...% Vacuum | Max. Permissible Movements (maximum values do not apply simultaneously) | | | | End Thrust for P=1 bar at Ln | Approx. Weight (below only) (5) | | |
|-------|------------------|-----------------|------------------------|--------------|-------------------------------------|---|---|------------|-------------|---------|------------------------------|---------------------------------|------|------|
| | | | NF EN 1759-1 | NF EN 1092-1 | | | Compression | Elongation | Shearing | Angular | | | | |
| | Ln (mm) | PN 10 | PN 16 | Class 150 | WP (bar) | Ln-Lc (mm) | Le-Ln (mm) | R (mm) | α° (degree) | (daN) | (kg) | | | |
| NT | 20 | 3/4 | 150 | X | X | 12 | 100% | 12 | 8 | 10 | 30 | 4.0 | 0.4 | |
| | 25 | 1 | 150 | X | X | 12 | 100% | 15 | 8 | 10 | 25 | 6.0 | 0.4 | |
| | 32 | 1 1/4 | 150 | X | X | 12 | 100% | 15 | 8 | 10 | 20 | 8.5 | 1.4 | |
| NT 1 | 40 | 1 1/2 | 150 | X | X | 16 | 100% | 30 | 20 | 15 | 20 | 48 | 1.1 | |
| | 50 | 2 | 150 | X | X | 16 | 100% | 30 | 30 | 15 | 20 | 80 | 1.3 | |
| | 65 | 2 1/2 | 150 | X | X | 16 | 100% | 30 | 30 | 15 | 20 | 115 | 1.6 | |
| | 80 | 3 | 150 | X | X | 16 | 100% | 30 | 30 | 15 | 20 | 138 | 1.9 | |
| | 100 | 4 | 150 | X | X | 16 | 50% | 30 | 30 | 15 | 20 | 190 | 2.4 | |
| | 125 | 5 | 150 | X | X | 16 | 50% | 30 | 30 | 15 | 10 | 270 | 2.5 | |
| | 150 | 6 | 150 | 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 | X | - | 16 | 50% | 30 | 30 | 15 | 10 | 700 | 4.6 |
| | 250 | 10 | 200 | X | X | 16 | 50% | 25 | 30 | 30 | 9 | 800 | 8.0 | |
| | 300 | 12 | 200 | X | X | 16 | 50% | 25 | 30 | 30 | 8 | 1000 | 10.0 | |
| | 350 | 14 | 200 | X | X | 16 | 50% | 25 | 30 | 30 | 7 | 1300 | 11.5 | |
| | 400 | 16 | 200 | X | X | 16 | 50% | 25 | 30 | 30 | 6 | 1700 | 14.0 | |
| | 450 | 18 | 200 | X | X | X | 16 | 50% | 25 | 30 | 30 | 5 | 2000 | 15.0 |
| NT 2 | 250 | 10 | 300 | X | X | 16 | 30% | 60 | 60 | 45 | 25 | 800 | 11.0 | |
| | 300 | 12 | 300 | X | X | 16 | 30% | 60 | 60 | 45 | 22 | 1100 | 13.0 | |
| | 350 | 14 | 300 | X | - | 16 | 30% | 60 | 60 | 45 | 18 | 1500 | 15.0 | |
| | 400 | 16 | 300 | X | X | 16 | 30% | 60 | 60 | 45 | 16 | 1900 | 17.0 | |
| | 450 | 18 | 300 | X | X | X | 16 | 30% | 60 | 60 | 45 | 14 | 2400 | 19.0 |



DILATOFLEX® NT expansion joints can be supplied:

- » with separate two-piece retaining rings
- » without retaining rings (except NT ES grade supplied with integral retaining rings for sizes ≥ 225 mm)

- (1) Other drillings available (e.g. PN6, PN25, PN40, BS10D-E), please consult us.
- (2) **CC** grade: W.P. 10 bar at +110 °C max. and W.P. 16 bar at +90 °C max.
- (3) **ES** rubber grade: W.P. is limited to 16 bar at W.T. +140 °C, and W.P. 25 bar at W.T. +70 °C.
- (4) Limited to the nominal pressure of the used drilling standard.
- (5) Expansion joints to be mounted with steel backing flanges in two parts (zinc-chromated, hot-dip galvanized or stainless steel).

Inner lining grade and working temperature

CC -35 °C
+90 °C/110 °C

DW -25 °C
+90 °C/105 °C

EPC -25 °C
+95 °C

AR/CN -35 °C
+90 °C

GZ -20 °C
+90 °C

YP -25 °C
+100 °C

AB -35 °C
+100 °C

TE -25 °C
+100 °C

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Usine des Caillots—BP101—F-58302 DECIZE CEDEX

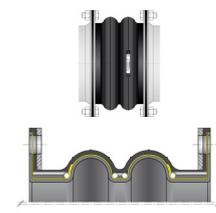
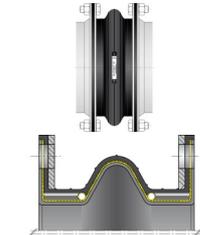
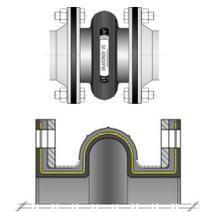
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DILATOFLEX®

DILATOFLEX® NT ES



| Nominal diameter | Nominal length* | Drilling standards (1) | | Max. permissible pressure (bar) (2) (3) | Steel ring required for vacuum greater than ...% vacuum | Max. permissible movements (maximum values do not apply simultaneously) | | | | End thrust in daN for P=1 bar | Axial stiffness in daN at no pressure for 1cm axial displacement | Approx. weight in kg (below only) (4) | | | |
|--|-----------------|------------------------|-------------------|---|---|---|------------|------------------|---------|-------------------------------|--|---------------------------------------|------|----|------|
| | | NF EN 1759-1 | NF EN 1092-1 | | | Axial Compression | Elongation | Lateral Shearing | Angular | | | | | | |
| Ln (mm) | PN 10 | PN 16 | Class 150 (PN 20) | PN 25 | Hot Water: T °C ≤ 140 °C | Hot Water: T °C ≤ 70 °C | Ln-Lc (mm) | Le-Ln (mm) | R (mm) | α° degree | (N/mm) | (kg) | | | |
| NT 1 with specific integral steel flanges | | | | | | | | | | | | | | | |
| 40 | 1 1/2 | 150 | X | X | X | 16 | 25 | - | 30 | 20 | 10 | 16 | 70 | 8 | 3.0 |
| 50 | 2 | 150 | X | X | X | 16 | 25 | - | 30 | 20 | 10 | 15 | 130 | 13 | 3.6 |
| 65 | 2 1/2 | 150 | X | X | X | 16 | 25 | - | 30 | 20 | 10 | 14 | 160 | 23 | 4.3 |
| 80 | 3 | 150 | X | X | X | 16 | 25 | - | 30 | 20 | 10 | 13 | 200 | 34 | 4.8 |
| 100 | 4 | 150 | X | X | X | 16 | 25 | 50% | 30 | 20 | 10 | 12 | 250 | 38 | 5.6 |
| 125 | 5 | 150 | X | X | X | 16 | 25 | 50% | 30 | 20 | 10 | 12 | 320 | 42 | 7.0 |
| 150 | 6 | 150 | X | X | X | 16 | 25 | 50% | 30 | 20 | 10 | 11 | 400 | 49 | 8.6 |
| 175 | 7 | 150 | X | - | X | 16 | 25 | 50% | 30 | 20 | 10 | 10 | 550 | 57 | 10.6 |
| 200 | 8 | 150 | X | X | X | 16 | 25 | 50% | 30 | 20 | 10 | 9 | 600 | 58 | 11.0 |
| 225 | 9 | 150 | X | X | - | X | 16 | 25 | 50% | 30 | 20 | 9 | 700 | 60 | 12.8 |
| NT 1 with separate steel backing flanges in two parts | | | | | | | | | | | | | | | |
| 250 | 10 | 200 | X | X | X | 16 | 25 | 50% | 25 | 20 | 10 | 8 | 1000 | 34 | 20.0 |
| 300 | 12 | 200 | X | X | X | 16 | 25 | 50% | 25 | 20 | 10 | 7 | 1300 | 34 | 24.0 |
| 350 | 14 | 200 | X | X | X | 16 | 25 | 50% | 25 | 20 | 10 | 6 | 1650 | 34 | 29.5 |
| 400 | 16 | 200 | X | X | X | 16 | 25 | 50% | 25 | 20 | 10 | 5 | 2000 | 44 | 36.5 |
| 450 | 18 | 200 | X | X | X | 16 | 25 | 50% | 25 | 20 | 10 | 4 | 2450 | 44 | 40.0 |
| NT 2 with separate steel backing flanges in two parts | | | | | | | | | | | | | | | |
| 250 | 10 | 300 | X | X | X | 16 | 25 | 30% | 60 | 40 | 45 | 20 | 900 | 34 | 25.0 |
| 300 | 12 | 300 | X | X | X | 16 | 25 | 30% | 60 | 40 | 45 | 18 | 1150 | 34 | 28.0 |
| 350 | 14 | 300 | X | X | - | 16 | 25 | 30% | 60 | 40 | 45 | 15 | 1500 | 34 | 33.0 |
| 400 | 16 | 300 | X | X | X | 16 | 25 | 30% | 60 | 40 | 45 | 12 | 1900 | 44 | 39.5 |
| 450 | 18 | 300 | X | X | X | 16 | 25 | 30% | 60 | 40 | 45 | 10 | 2250 | 44 | 46.0 |



- (1) Other drillings available (e.g. PN6, PN25, PN40, BS 10D-E...). Please consult us.
- (2) Limited to the nominal pressure of the drilling standard being used.
- (3) Flat faced piping flanges must be used with DILATOFLEX® NT ES where W.P. > 10 bar and temperature > +90 °C.
- (4) For ND ≥ 250mm: expansion joints to be mounted with steel backing flanges in 2 parts (zinc-chromated, hot-dip galvanized or stainless steel).

Inner lining grade and working temperature

| | |
|----|-------------------|
| ES | -35 °C +140 °C |
|----|-------------------|

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