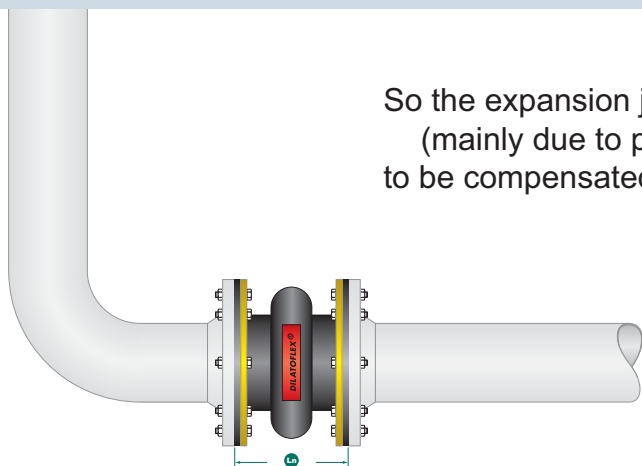




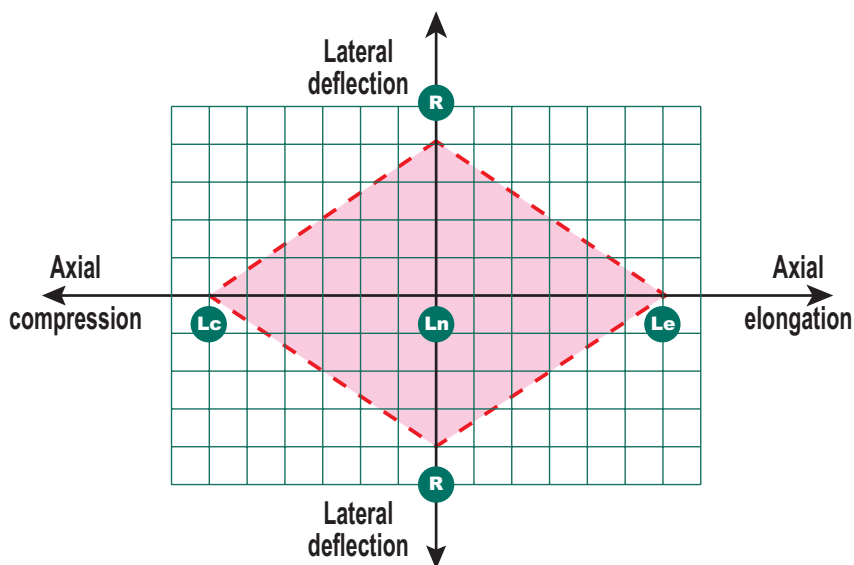
COMBINED MOVEMENTS (axial + lateral)*

So the expansion joint works well, one must make sure that the movements (mainly due to pipe dimensional variations, vibrations, water hammers...) to be compensated for are compatible with its max. permissible capabilities. (see technical sheets)



The **DILATOFLEX[®]** expansion joint accommodates these movements.

PRINCIPLE

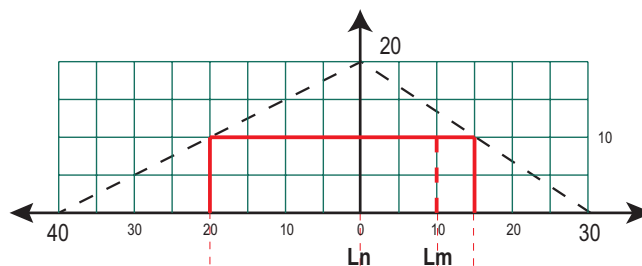


- L_n = nominal length
- L_m = installed length
- $L_n - L_c$ = max. permissible axial compression
- $L_e - L_n$ = max. permissible axial elongation
- R = max. permissible lateral movement

The parallelogram defines the movements combination area and enables to calculate the **mounting length (L_m)** according to the working conditions.

For example:

- DILATOFLEX[®]** type N, ND 1600 mm,
- $L_n = 400$ mm
- $L_n - L_c = 40$ mm
- $L_e - L_n = 30$ mm
- $R = 20$ mm



1/ with a 10mm lateral movement and mounting at $L_m=L_n$, maximum permissible axial movements are:

Compression: 20 mm Elongation: 15 mm

2/ with the same 10mm lateral movement and mounting at $L_m=410$ mm, maximum permissible axial movements are:

Compression: 30 mm Elongation: 5 mm

* Note : « axial+angular » or « lateral+angular » combined movements are prohibited.