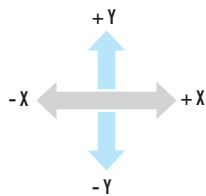


Product Code	Definition
DK25 - F	Dilatation Expansion Joint With Tie Rods Flanged ± 25 mm Expansion
DK50 - F	Dilatation Expansion Joint With Tie Rods Flanged ± 50 mm Expansion
DK75 - F	Dilatation Expansion Joint With Tie Rods Flanged ± 75 mm Expansion
DK100 - F	Dilatation Expansion Joint With Tie Rods Flanged ± 100 mm Expansion

GENERAL

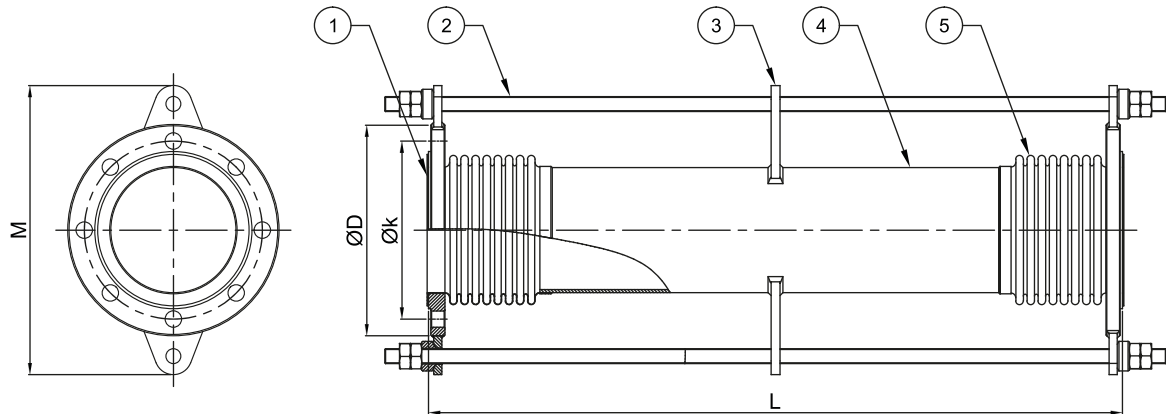
Dilatation expansion joints are the interconnection elements that ensure uninterrupted and efficient operation of the installation in the joints of buildings with different foundations (Dilatation), by absorbing strain and rupture that can occur in the pipelines due to building collapses or earthquakes, and lateral deviations. These types of expansion joints consisting of double bellows can be fixed to the desired expansion amounts by using limit rods. They can be used at all Dilatation points in building passages.



Standard Product Materials		Optional Product Materials
Bellows	1.4301 (AISI 304)	1.4541 / 1.4401 / Titanium / Incoloy 800H / Inconel etc.
Tie Rod Holders	1.0038 (St 37-2)	Stainless Steel
Flanges	1.0038 (St 37-2)	Stainless Steel
Intermediate Pipe	1.0038 (St 37-2)	Stainless Steel

Design Parameters	
Design Pressure	16 Bar (1 Bar...64 Bar)
Design Temperature	+20 °C (-90°C...+550°C)
Diameters	DN25 (1")...DN2500 (100")
Movements	X:60mm (± 30), Y:50mm (± 25) / 100mm (± 50) / 150mm (± 75) / 200mm (± 100)
Design Standards	EJMA, EN 14917
Certifications	TSE, CE - Module H (Optional) - EAC

**Please contact our sales team for your special requests.



Part Number	Specifications	
	Name	Material
1	Flange	1.0038 (S235JR / St37-2)
2	Tie Rod	1.0038 (S235JR / St37-2)
3	Tie Rod Holder	1.0038 (S235JR / St37-2)
4	Intermediate Pipe	1.0038 (S235JR / St37-2)
5	Bellows	1.4301 (AISI 304)

Diameters		LENGTH (L = mm)				ØD (mm)	Øk (mm)	Ødxn (mm)	M (mm)	Effective Area (cm²)
		DK25-F	DK50-F	DK75-F	DK100-F					
		X: ±30mm Y: ±25mm	X: ±30mm Y: ±50mm	X: ±30mm Y: ±75mm	X: ±30mm Y: ±100mm					
DN25	1"	260	360	460	560	115	85	14*4	205	19,0
DN32	1 1/4"	260	360	460	560	140	100	18*4	240	19,0
DN40	1 1/2"	260	360	460	560	150	110	18*4	250	24,7
DN50	2"	360	460	560	660	165	125	18*4	265	38,7
DN65	2 1/2"	360	460	560	660	185	145	18*4	285	58,0
DN80	3"	410	510	610	710	200	160	18*8	308	80,5
DN100	4"	410	510	610	710	220	180	18*8	328	129,0
DN125	5"	460	660	760	860	250	210	18*8	380	191,8
DN150	6"	460	660	760	860	285	240	22*8	413	262,7
DN200	8"	510	700	800	900	340	295	22*12	450	453,5
DN250	10"	600	800	900	1000	405	355	26*12	535	698,4
DN300	12"	640	845	940	1040	460	410	26*12	586	967,0
DN350	14"	705	1005	1045	1145	520	470	26*16	646	1149,6
DN400	16"	705	1010	1080	1180	580	525	30*16	740	1517,7
DN450	18"	740	1030	1130	1280	640	585	30*20	800	1884,2
DN500	20"	790	1090	1240	1590	715	650	33*20	895	2282,5

** X,Y value represents axial, lateral movements. Please contact our technical department for different movement requirements.
** Flange diameters are according to PN16 pressure class.