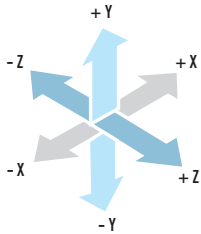


Product Code	Definition
KM100 - F	Dilatation & Earthquake Expansion Joint Flanged ± 50 mm Expansion
KM200 - F	Dilatation & Earthquake Expansion Joint Flanged ± 100 mm Expansion
KM300 - F	Dilatation & Earthquake Expansion Joint Flanged ± 150 mm Expansion
KM400 - F	Dilatation & Earthquake Expansion Joint Flanged ± 200 mm Expansion

GENERAL

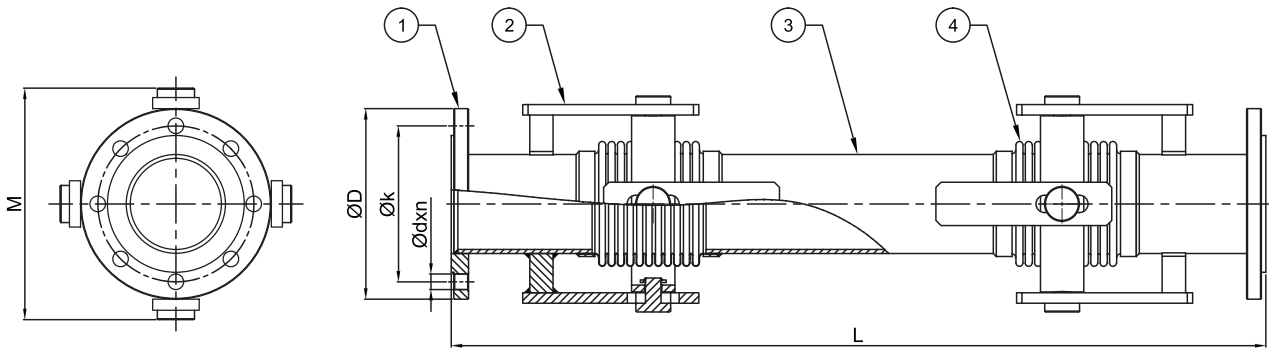
Dilatation & Earthquake expansion joints are the flexible connection elements that minimize the risk of breakage that may occur in the system as a result of seismic (earthquake, building collapses, etc.) movements by damping the three dimensional movement as axial, lateral and angular and provide the continuity of the system by removing the stress on the rigid pipe. The Dilatation & Earthquake Expansion joints, which are designed to meet the movement in three different directions (axial, lateral and angular) are widely used in HVAC piping systems. They can also be used in places such as all building passages, Dilatation points etc.



Standard Product Materials		Optional Product Materials
Bellows	1.4301 (AISI 304)	1.4541 / 1.4401 / Titanium / Incoloy 800H / Inconel etc.
Joint Arms	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: ± 50 mm, Y,Z: ± 50 mm / Y,Z: ± 100 mm / Y,Z: ± 150 mm / Y,Z: ± 200 mm
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	Joint Arm	1.0038 (S235JR / St37-2)
3	Intermediate Pipe	1.0038 (S235JR / St37-2)
4	Bellows	1.4301 (AISI 304)

Diameters		LENGTH (L = mm)				ØD (mm)	Øk (mm)	Ødxn (mm)	M (mm)	Effective Area (cm ²)
		KM100-F	KM200-F	KM300-F	KM400-F					
		X: ±50mm Y: ±50mm Z: ±50mm	X: ±50mm Y: ±100mm Z: ±100mm	X: ±50mm Y: ±150mm Z: ±150mm	X: ±50mm Y: ±200mm Z: ±200mm					
DN25	1"	730	930	1130	1330	115	85	14*4	170	19,0
DN32	1 1/4"	730	930	1130	1330	140	100	18*4	170	19,0
DN40	1 1/2"	730	930	1130	1330	150	110	18*4	170	24,7
DN50	2"	790	990	1190	1400	165	125	18*4	195	38,7
DN65	2 1/2"	790	990	1240	1500	185	145	18*4	210	58,0
DN80	3"	840	1040	1270	1500	200	160	18*8	220	80,5
DN100	4"	840	1040	1300	1550	220	180	18*8	265	129,0
DN125	5"	970	1170	1480	1770	250	210	18*8	310	191,8
DN150	6"	970	1170	1480	1770	285	240	22*8	335	262,7
DN200	8"	1140	1360	1710	2060	340	295	22*12	425	453,5
DN250	10"	1140	1360	1710	2060	405	355	26*12	470	698,4
DN300	12"	1110	1460	1860	2250	460	410	26*12	570	967,0
DN350	14"	1220	1530	1930	2330	520	470	26*16	620	1149,6
DN400	16"	1270	1650	2100	2550	580	525	30*16	700	1517,7
DN450	18"	1335	1800	2350	2875	640	585	30*20	745	1884,2
DN500	20"	1370	1950	2550	3200	715	650	33*20	815	2282,5

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