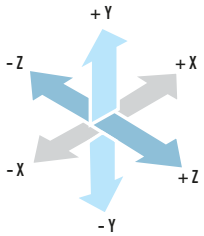
FM Code	Product Code	Definition
KMKBYF	KM100 - FFM	Dilatation & Earthquake Expansion Joint FM Approved Flanged ±50mm Expansion
KMKBYF	KM200 - FFM	Dilatation & Earthquake Expansion Joint FM Approved Flanged ±100mm Expansion
KMKBYF	KM300 - FFM	Dilatation & Earthquake Expansion Joint FM Approved Flanged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

GENERAL

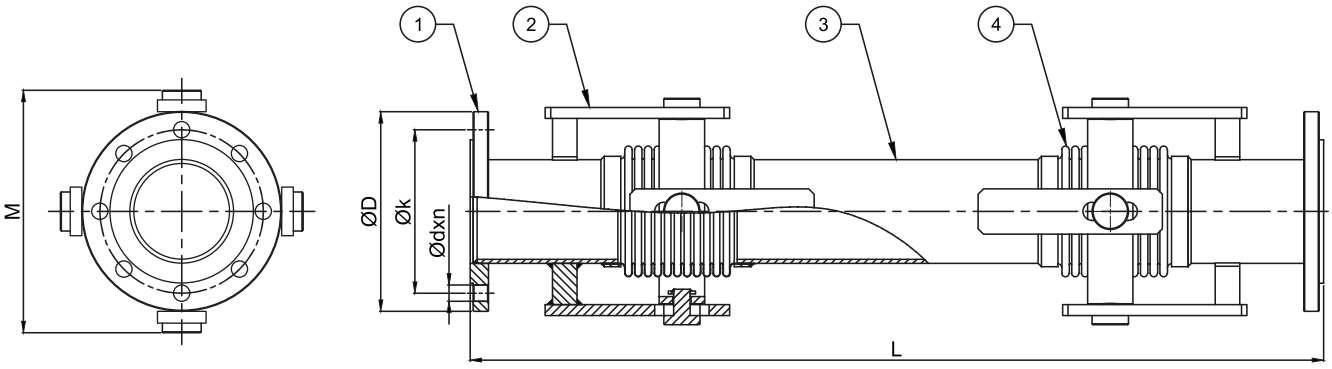
Dilatation & Earthquake expansion joints are the flexible connection elements that minimize the risk of breakage that may occur in the system as a result of seismic (earthquake, building collapses, etc.) movements by damping the three dimensional movement as axial, lateral and angular and provide the 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 fire circuits since they are FM approved. 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	250 psi
Design Temperature	+20°C (-90°C...+550°C)
Diameters	DN25 (1")....DN300 (100")
Movements	X:±50mm, Y,Z:±50mm / Y,Z:±100mm / Y,Z:±150mm / Y,Z:±200mm
Standards	EJMA, EN 14917
Certifications	FM Approved - 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) KMKBYF				ØD (mm)	Øk (mm)	Ød x n (mm)	M (mm)	Effective Area (cm2)
		KM100-FFM	KM200-FFM	KM300-FFM	KM400-FFM					
		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	160	19,0
DN32	1 1/4"	730	930	1130	1330	140	100	18*4	160	19,0
DN40	1 1/2"	730	930	1130	1330	150	110	18*4	160	24,7
DN50	2"	790	990	1190	1400	165	125	18*4	185	38,7
DN65	2 1/2"	790	990	1240	1500	185	145	18*4	205	58,0
DN80	3"	840	1040	1270	1500	200	160	18*8	215	80,5
DN100	4"	840	1040	1300	1550	220	180	18*8	280	129,0
DN125	5"	970	1170	1480	1770	250	210	18*8	335	191,8
DN150	6"	970	1170	1480	1770	285	240	22*8	345	262,7
DN200	8"	1140	1360	1710	2060	340	295	22*12	435	453,5
DN250	10"	1140	1360	1710	2060	405	355	26*12	495	698,4
DN300	12"	1170	1545	1920	2285	460	410	26*12	565	967,0

** 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.