



## AXIAL TYPE - TYPE EXPANSION JOINTS

*Axial expansion joints absorb expansion laterally, caused by the thermal difference of the media inside the pipeline.*

*The pipeline system is divided into several parts and axial expansion joints are installed along the pipeline according to calculations of expansion.*

*Axial expansion joints are designed to absorb lateral movement 30mm and 60mm. Also, it is possible to produce for absorption of other movements based on the calculations for different pipelines.*

*The main part of axial expansion joints is stainless steel corrugated bellow. For different requirements there are additional parts such as inner sleeve, tie-rods, cover the wall thickness of bellow, number of piles and additional parts of expansion joints are designed according to temperature, pressure and media of pipeline.*

**Design :**  
According to EJMA standard

**Connection:**  
Floating Flanged, Fixed Flanged, Butt-weld

**Working Conditions:**  
According to DIN 2401

**Material:**  
According to DIN 17440

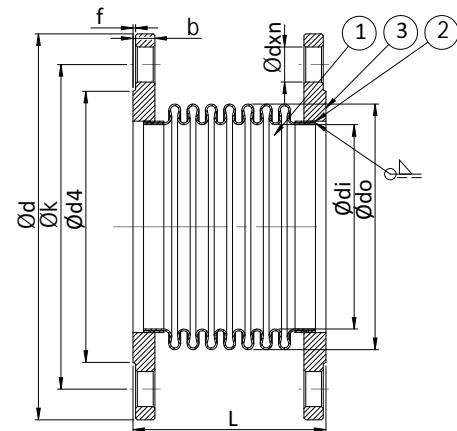
**Bellows:**  
Stainless Steel

**Connection:**  
Stainless Steel or carbon steel

**Nominal Diameter:**  
DN 25(1") - DN 2600 (104")

**Working Pressure:**  
Standard production is based on PN 16, please contact us for high pressure requirements.

**Working Temperature:**  
-80/+427° C (optional); -80/+1100° C )



3	2	FLANGE	St. 37.2
2	2	BANT	AISI 304
1	1	BELLOW	AISI 304
<b>S.NO</b>	<b>PSC</b>	<b>Description</b>	<b>MATERIAL</b>

									HLS-30 MKS	HLS-30 MKS-L	HLS-60 MKS-L
FLANGE			Bellow								
Size	$\phi d$	$\phi k$	$\phi d4$	f	b	$\phi dxn$	$\phi di$	$\phi do$	L	L	L
DN 25	115	85	68	2	16	$\phi 14 \times 4$	38	48,2	120	120	
DN 32	140	100	78	2	16	$\phi 18 \times 4$	42,4	55	125	125	
DN 40	150	110	88	3	16	$\phi 18 \times 4$	48,3	61	130	130	
DN 50	165	125	102	3	18	$\phi 18 \times 4$	60,3	76	120	120	
DN 65	185	145	122	3	18	$\phi 18 \times 8$	76,1	95	120	120	205
DN 80	200	160	138	3	20	$\phi 18 \times 8$	88,9	111	120	120	200
DN 100	220	180	158	3	20	$\phi 18 \times 8$	114,3	140	130	130	210
DN 125	250	210	188	3	22	$\phi 18 \times 8$	139,7	164	140	140	220
DN 150	285	240	212	3	22	$\phi 28 \times 8$	168,3	200	155	155	265
DN 200	340	295	268	3	24	$\phi 28 \times 12$	219,1	250	150	150	265
DN 250	405	355	320	3	26	$\phi 26 \times 12$	273	323	160	160	260
DN 300	460	410	378	4	28	$\phi 26 \times 12$	323,9	380	170	170	270