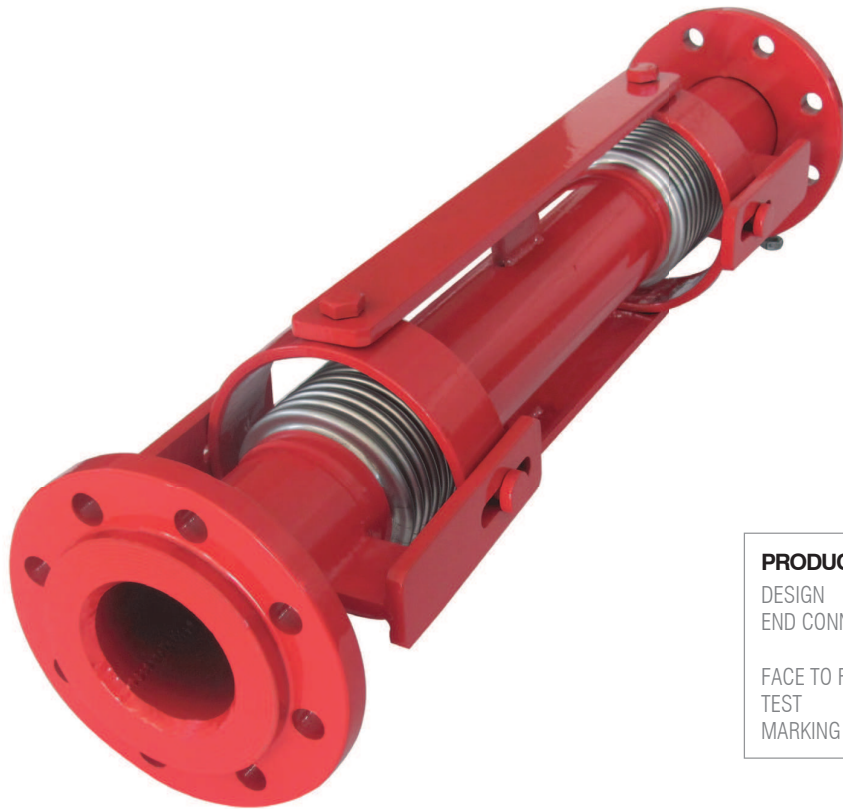


ANGULAR EXPANSION JOINT / 5300



PN 16
DN32 → DN250

PRODUCTION STANDARDS

DESIGN	TS 10880 / DIN30681
END CONNECTION	FLANGED TS EN 1092-1 / ISO 7005-1 WELDING END TS EN 12627
FACE TO FACE	TS 10880 / DIN30681
TEST	TS 10880 / DIN30681
MARKING	TS EN 19 / TS 10880/ DIN30681

FEATURES

- FAF5300 Earthquake expansion joint made of two bellows separated by an intermediary pipe absorbs the stress that may occur on the pipeline in axial, lateral and angular movements in three axis through the universal joints it consists
- Generally used in transition points of the buildings which has different base levels, in ground movements and to avoid pipeline damages after building collapses
- Can be manufactured in flanged type (FAF5310) and welding neck type (FAF5320)

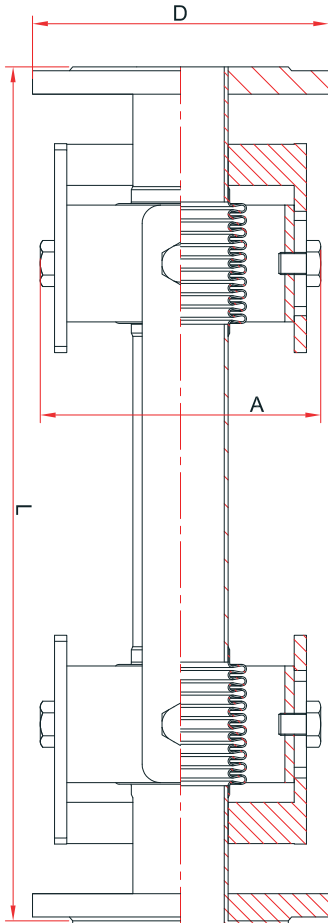
APPLICATIONS

Dilatation, Storage Tanks, Pipelines, Fire Fighting Installations

TEMPERATURE

-20, +430 °C

TECHNICAL DRAWING



MATERIAL SELECTION

BELLOW	1.4301 - AISI 304 STAINLESS STEEL 1.4401 - AISI 316 STAINLESS STEEL 1.4541 - AISI 321 STAINLESS STEEL
BODY	1.0037 - ST 37 STEEL 1.4301 - AISI 304 STAINLESS STEEL 1.4401 - AISI 316 STAINLESS STEEL
FLANGE	1.0037 - ST 37 STEEL 1.4301 - AISI 304 STAINLESS STEEL 1.4401 - AISI 316 STAINLESS STEEL
COATING	ELECTROSTATIC POWDER EPOXY

DN	WELDING END ANGULAR EXPANSION JOINT							FLANGED ANGULAR EXPANSION JOINT							Effective Area cm ²		
	DIMENSION								DIMENSION								
	mm	A	d	Expansion Range and Length (L +/-5)				D	A	Expansion Range and Length (L +/-5)							
X				Y,Z: +/-50	Y,Z +/-100	Y,Z +/-150	Y,Z +/-200			X	Y,Z: +/-50	Y,Z +/-100	Y,Z +/-150	Y,Z +/-200			
32	135	42,4	100	715	915	1115	1315	140	135	100	725	925	1125	1325	21		
40	135	48,3	100	715	915	1115	1315	150	135	100	725	925	1125	1325	24		
50	150	60,3	100	780	980	1180	1380	165	150	100	790	990	1190	1390	36		
65	165	76,1	100	780	980	1230	1480	185	165	100	790	990	1240	1490	57		
80	205	88,9	100	830	1030	1280	1530	200	205	100	840	1040	1290	1540	77		
100	255	114,3	100	830	1030	1280	1530	220	255	100	840	1040	1290	1540	126		
125	285	139,7	100	960	1160	1460	1760	250	285	100	970	1170	1470	1770	180		
150	370	165,1	100	960	1160	1460	1760	285	370	100	970	1170	1470	1770	263		
200	405	219,1	100	1150	1350	1700	2050	340	405	100	1160	1360	1710	2060	434		
250	455	273	100	1150	1350	1700	2050	405	455	100	1160	1360	1710	2060	670		

* Valves can be produced with bigger sizes when requested.