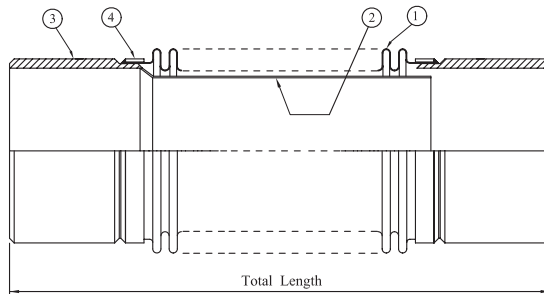


AXIAL EXPANSION JOINT

Type 703



CONSTRUCTION

Item	Part	Material
1	Bellows	SS304
2	Internal Sleeve	SS304
3	Weld Ends	Sch. 40
4	Seal Ring	SS304

FEATURE:

Stainless steel multiply bellows welded with SS400 tube end.
Internal sleeve is stainless steel.

Designed to accommodate axial movement of pipeline in high working pressure and high working temperature.

INSTALLATION

Heating no need elongation to getting compression 50 mm. or 75 mm.

Cooling need compression 50 mm. or 75 mm. to getting expansion 50 mm. or 75 mm.

Specification

Nominal Bore		Total Length		Bellows			Axial Movement		Working Pressure		Axial Spring Rate		Effective Area	
mm	inch	mm	inch	O.D.	CORR.	PLY	mm	inch	bar	psi	N/mm	cm ²	inch ²	
40	1 1/2	360	14.17	58.0	2.28	32	-50	2	25	363	29.00	20.2	3.1	
		515	20.28			48					2			19.34
50	2	360	14.17	73.0	2.85	24	-50	2	25	363	44.25	32.1	5.0	
		515	20.28			36					2			29.50
65	2 1/2	360	14.17	90.0	3.54	20	-50	2	25	363	89.82	49.1	7.6	
		515	20.28			30					2			59.88
80	3	360	14.17	104.5	4.11	20	-50	2	25	363	81.54	67.4	10.5	
		515	20.28			30					2			54.36
100	4	360	14.17	132.0	5.20	16	-50	2	25	363	146.06	108.9	16.9	
		515	20.28			24					2			97.37
125	5	360	14.17	161.0	6.34	15	-50	2	25	363	161.14	167.1	25.9	
		515	20.28			23					2			105.33
150	6	360	14.17	190.0	7.48	14	-50	2	25	363	192.81	239.2	37.1	
		515	20.28			21					2			128.54
200	8	360	14.17	250.0	9.84	13	-50	2	16	232	264.16	420.9	65.2	
		515	20.28			19					2			179.99
200	8	360	14.17	250.0	9.84	13	-50	2	25	363	264.16	420.9	65.2	
		515	20.28			19					3			179.99
250	10	360	14.17	312.0	12.28	12	-50	2	16	232	428.99	644.6	103.0	
		515	20.28			18					2			285.99
250	10	360	14.17	312.0	12.28	12	-50	2	25	363	428.99	644.6	103.0	
		515	20.28			18					3			285.99
300	12	360	14.17	364.5	14.35	12	-50	2	16	232	499.81	925.4	143.4	
		515	20.28			18					2			333.21
300	12	360	14.17	364.5	14.35	12	-50	2	25	363	499.81	925.4	143.4	
		515	20.28			18					3			333.21

Other movements, sizes, and pressure expansion joint available on request

Pressure Temperature rating with ISO - 15348

Bar	Temperature in degree C					
	~120 °C	150 °C	200 °C	250 °C	300 °C	350 °C
PN25	25	22.85	20.89	19.58	18.61	17.62
PN16	16	14.62	13.37	12.53	11.91	11.28

