

MODEL

# 651 EXPANSION JOINT

The Model 651 Expansion Joint is a combination of couplings and specially machined pipe nipples that are joined in a series to accommodate the expansion and or contraction of a piping system. Standard units are comprised of either Model 7705

or Model 7707 flexible couplings and cut-grooved Sch. 40 pipe nipples. Customized units are available. The components are supplied epoxy coated (RAL3000 red) for ease of use and longer life.

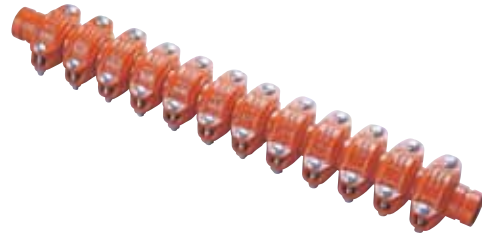
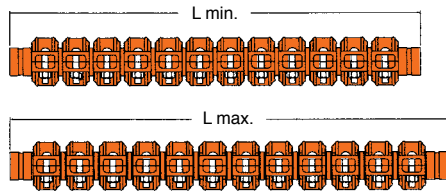
## Pressure-Temperature Rating

Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
Class	300 psi @100°F	EPDM: 230°F / 110°C
150	20 Bar @38°C	Nitrile: 180°F / 82°C

\*Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

\*Shell test, 1.5 times the working pressure, is the proof test pressure.

\*Burst pressure is engineered minimum 3 times the working pressure.



Nominal Size mm / in	Pipe O. D. mm / in	Max. Movement mm / in	L min. mm / in	L Max. mm / in	Approx. Weight Kgs / Lbs
40	48.3	58	718	776	11.0
1½	1.900	2.25	28.25	30.55	24.2
50	60.3	58	718	776	12.2
2	2.375	2.25	28.25	30.55	27.0
65	73.0	58	718	776	16.3
2½	2.875	2.25	28.25	30.55	36.0
76.1 mm	76.1	58	718	776	16.3
	3.000	2.25	28.25	30.55	36.0
80	88.9	58	718	776	20.9
3	3.500	2.25	28.25	30.55	46.0
100	114.3	45	667	712	16.6
4	4.500	1.75	26.26	28.00	36.5
133.0 mm	133.0	45	667	712	32.7
	5.250	1.75	26.25	28.00	72.0
165.1 mm	165.1	45	667	712	26.4
	6.500	1.75	26.26	28.00	58.1
150	168.3	45	667	712	41.4
6	6.625	1.75	26.26	28.00	91.1
200	219.1	45	667	769	72.6
8	8.625	1.75	26.26	30.28	159.7
250	273.0	45	826	870	145.3
10	10.750	1.75	32.50	34.25	320.0
300	323.9	45	826	870	169.3
12	12.750	1.75	32.50	34.25	373.0