



RUBBER EXPANSION JOINTS

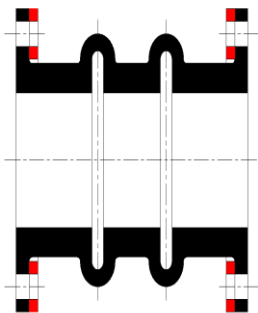
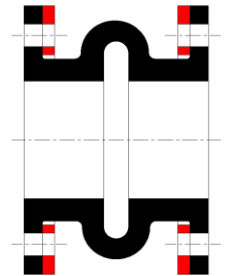


EXPANSION JOINTS WITH CONTROL ROD ASSEMBLY :

- The TC Rubber Expansion Joints with Control Rod Assembly play a vital role in withstanding movements originating from dynamic equipment during operation
- Where the normal operating pressure is exceeded Control rod assembly must be used
- Control assemblies are recommended on spring mounted pumps and equipment's and easy to install & align

SINGLE ARCH TYPE EXPANSION JOINTS :

- The shortest face to face dimensions are available with this design.
- Construction is of natural or synthetic rubber, reinforced with nylon chord.
- Galvanised split metal retaining ring are on either side of joints.
- Rubber faced flange is of sufficient thickness to form a tight seat against metal flanges without the use of gasket.

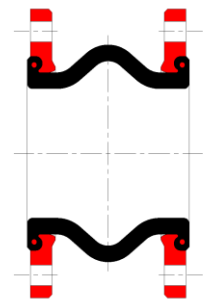


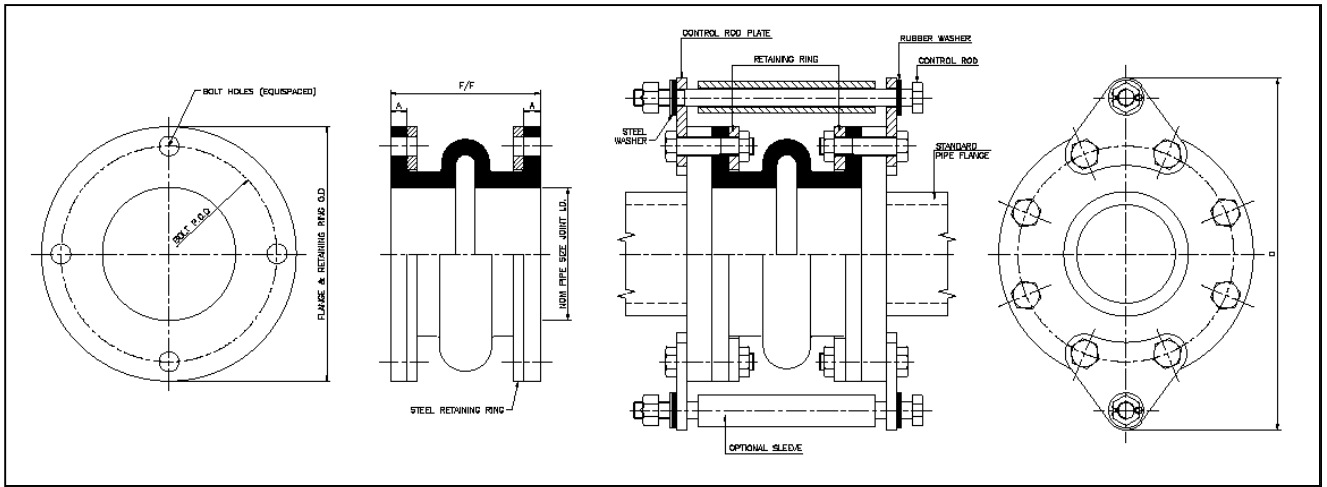
MULTIPLE ARCH TYPE EXPANSION JOINTS :

- Rubber Expansion joints with two or more arches are manufactured to accommodate greater movements than those of single type joints.
- Fabrication of Natural or synthetic elastomers, depending on specific application.
- Galvanised split metal retaining ring are on either side of joints.

FLOATING FLANGE SPHERICAL TYPE :

- Made from special weave fabric for reinforcement, the spherical shape offers a high burst pressure and requires low forces to flex.
- Fabrication of Natural or synthetic elastomers, depending on specific application.
- Galvanised steel solid flanges are inserted on either side of the joint.
- Available up to nominal bore of 300mm (12" NB).





□ DIMENSION CHART FOR RUBBER EXPANSION JOINTS :

Nominal Size		Length	Flange	Flange Thickness A	Flange Drilling			Vacuum Rating mm Hg	Allowable Movements					Control Rod Assembly	
F/F		O.D.	PCD		No. of Holes	Hole Dia	Axial		Lateral deflection	Angular deflection	Torsional	T Plate Thickness	D Plate O.D.		
mm	inch	mm		mm			inch	mm						mm	mm
25	1	150	108	22	3 1/8	4	5/8	700	12	6	12	15	3	10	209
32	1 1/4	150	118	22	3 1/2	4	5/8	700	12	6	12	15	3	10	219
40	1 1/2	150	127	25	3 7/8	4	5/8	700	12	6	12	15	3	10	224
50	2	150	153	25	4 3/4	4	3/4	700	12	6	12	15	3	12	270
65	2 1/2	150	178	25	5 1/2	4	3/4	700	12	6	12	10	3	12	303
80	3	150	191	25	6	4	3/4	700	12	6	12	10	3	12	313
100	4	150	229	25	7 1/2	8	3/4	700	12	6	12	10	3	12	323
125	5	150	254	27	8 1/2	8	7/8	600	12	6	12	6	3	12	350
150	6	150	280	29	9 1/2	8	7/8	600	12	6	12	6	3	12	379
200	8	150	343	29	11 3/4	8	7/8	600	16	8	12	6	3	12	455
250	10	200	407	30	14 1/4	12	1	400	20	10	12	5	3	19	518
300	12	200	483	33	17	12	1	400	20	10	12	5	3	19	605
350	14	200	534	33	18 3/4	12	1 1/8	400	20	10	12	5	2	19	658
400	16	200	597	33	21 1/4	16	1 1/8	300	20	10	12	4	2	19	717
450	18	200	635	35	22 3/4	16	1 1/4	300	20	10	12	4	1	19	765
500	20	200	699	35	25	20	1 1/4	300	20	10	12	4	1	19	826
600	24	250	813	35	29 1/2	20	1.375	700	20	10	12	2	1	25	959
700	28	250	927	35	34	28	1.375	700	24	12	12	2	1	32	1082
750	30	250	984	35	36	28	1.375	700	24	12	12	2	1	32	1148
800	32	250	1080	35	38 1/2	28	1.625	700	24	12	12	1.8	1	32	1244
900	36	250	1168	35	42 3/4	32	1.625	700	24	12	12	1.5	1	38	1353
1000	40	250	1289	35	47 1/4	36	1.625	700	24	12	12	1.5	1	38	1453
1100	44	300	1403	40	51 3/4	40	1.025	700	28	14	12	1.5	1	38	1589
1200	48	300	1511	40	56	44	1.625	700	28	14	12	1.25	1	38	1706
1300	52	300	1626	40	60 1/2	44	1.875	700	28	14	12	1.25	1	38	1821
1400	56	300	1746	40	65	48	1.875	700	28	14	12	1.25	1	38	1959
1500	60	300	1854	40	69 1/4	52	1.875	700	28	14	12	1	1	45	2067
1800	72	300	2197	40	82 1/2	60	1.875	700	28	14	12	1	1	48	2410

OPERATING CONDITIONS

OPERATING PRESSURE : 15 kg/cm² (1" - 12")
: 10 kg/cm² (14" - 72")

TEMPERATURE : -10° C to 80° C

FLUIDS : Water, Hot water, Sea water
Organic acids, Abrasive products, Compressed air, etc.

DRILING SPECIFICATION

Drilling meets 125/150 standards of ANSI B16.1 , B16.5
Other Drilling specification on special order

CONTROL ROD ASSEMBLY

Expansion Joints are furnished complete with Retaining Rings. Control Rods are available on special order

TEAM CONSULTANTS AND ENGINEERS