

# style wa wide arch rubber expansion joints

## description

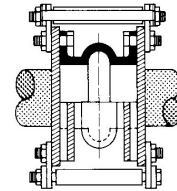
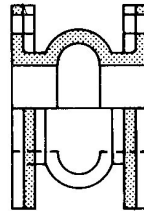
A joint with a long flowing (wide) arch made of heat resisting synthetic elastomers moulded into a spherical shape with one-piece bonding of the two flanges through the arch providing maximum flange joint integrity.

## manufacture

Manufactured from heat and chemical resisting elastomers of special composition reinforced with tough nylon fibre cord. An extra thick elastomeric tube offers superior performance in harsh applications.

The arch is self flushing making it ideal for slurries. The wide arch reduces turbulence eliminating the need for a 'filled arch' type joint.

The integral bonded flange faces provide a full face seal to the matching pipework flanges, and can be reinforced with split metal reinforcing flanges.



## pressure and temperature

Please refer to the 'technical aspects' and 'limit and control rods' data sheets.

## standard elastomer combinations

material code	outer cover elastomer	inner tube elastomer	max. operat. temp. °C	label colour	F.S.A. material class
BB	butyl	butyl	105	black	Std. III
EE	EPDM	EPDM	105	red	Std. III
NH	neoprene	Hypalon*	100	green	Std. II
NN	neoprene	neoprene	105	blue	Std. II
NP	neoprene	nitrile	100	yellow	Std. II

nominal bore		length installed	movements from free length				pressure @ 80°C	
inside mm	inside inches	free mm	axial mm comp	axial mm elong	lateral mm	angular deg	positive kPa	vacuum mm H.g.
25	1	150	24	9	11	35.8	1516	660
32	1 1/4	150	24	9	11	29.9	1516	660
40	1 1/2	150	24	9	11	25.7	1516	660
50	2	150	25	12	15	25.2	1378	660
65	2 1/2	150	25	12	15	20.6	1378	660
80	3	150	25	12	15	17.4	1378	660
100	4	150	25	12	15	13.2	1378	660
125	5	150	25	13	16	12.0	1378	660
150	6	150	25	15	19	11.1	1378	660
200	8	150	25	15	19	8.4	1240	660
250	10	200	42	18	22	8.4	1034	660
300	12	200	42	20	24	8.1	1034	660
350	14	200	42	20	24	6.3	896	660
400	16	200	42	21	25	5.9	758	660
450	18	200	42	21	25	5.3	758	660
500	20	200	42	21	25	4.8	758	660
550	22	250	42	21	25	4.3	689	660
600	24	250	50	21	25	3.9	689	660
650	26	250	50	25	28	4.4	620	660
700	28	250	50	25	28	4.1	620	660
750	30	250	50	25	28	3.8	620	660

## data sheet - RJ 015