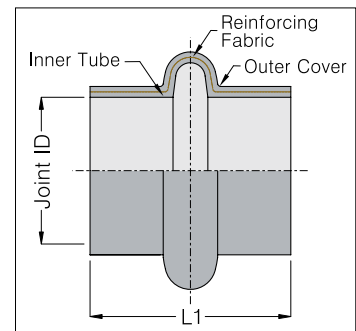


Series 50 Sleeve Type Expansion Joint



Type 51

Application

Intended for light weight piping and air, gas ducts on fans, blowers etc. that are subject to low operating pressure and are recommended for gaseous media.

Features

- Designed to slip over the straight ends of flangeless pipe and be held securely in place with clamps.
- No need for mating flange and hardware—Economical
- Great movement capability with low stiffness and deflection forces
- Wide variety of elastomers available
- 120°C continuous service, 200°C available

Clamping

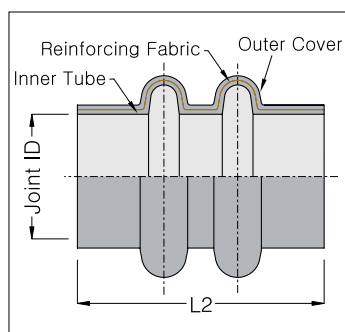
- The outside diameter of pipe plus 2mm is recommended for use as inside diameter of sleeve joint.
- Two kinds of clamps made of corrosion protected steel or stainless steel are available : Screw hose clamps for sizes to DN300 and fabricated clamps for DN350 and up.

Versatile Construction

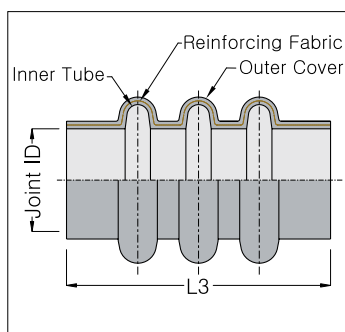
- Series 50S is standard design with 120°C continuous service.
- Series 50P is pressure/vacuum design.

Type 51S & 51P

Nominal Size		Joint I.D.	Recommended Length (L1)		Movement Capability			Max. Working Pressure			
								51S		51P	
DN	inch	mm	mm	inch	Comp. (mm)	Ext. (mm)	Lat. (mm)	Positive (bar)	Vacuum (mmHg)	Positive (bar)	Vacuum (mmHg)
40	1.5	50.3	200	8	30	20	20	5	380	8	750
50	2	62.3	200	8	30	20	20	5	380	8	750
65	2.5	75.0	200	8	30	20	20	5	380	8	750
80	3	90.9	200	8	30	20	20	5	380	8	750
100	4	116.3	200	8	30	20	20	4	380	6	750
125	5	143.3	200	8	30	20	20	4	380	6	750
150	6	170.3	200	8	30	20	20	4	380	6	750
200	8	221.1	200	8	30	20	20	2	380	5	750
250	10	275.1	200	8	30	20	20	2	380	5	750
300	12	325.9	200	8	30	20	20	2	380	5	750
350	14	357.6	250	10	40	25	20	2	380	4	750
400	16	408.4	250	10	40	25	20	1	380	4	750
450	18	459.2	250	10	40	25	20	1	380	4	750
500	20	510.0	250	10	40	25	20	1	380	3	750
550	22	560.8	250	10	40	25	20	1	380	3	750
600	24	611.6	250	10	40	25	20	1	380	3	750



Type 52



Type 53



Type 52S & 52P

Nominal Size		Joint I.D.	Recommended Length (L2)		Movement Capability			Max. Working Pressure			
DN	inch		mm	inch	Comp. (mm)	Ext. (mm)	Lat. (mm)	52S		52P	
								Positive (bar)	Vacuum (mmHg)	Positive (bar)	Vacuum (mmHg)
40	1.5	50.3	300	12	60	40	40	5	380	8	730
50	2	62.3	300	12	60	40	40	5	380	8	730
65	2.5	75.0	300	12	60	40	40	5	380	8	730
80	3	90.9	300	12	60	40	40	5	380	8	730
100	4	116.3	300	12	60	40	40	4	380	6	730
125	5	143.3	300	12	60	40	40	4	380	6	730
150	6	170.3	300	12	60	40	40	4	380	6	730
200	8	221.1	300	12	60	40	40	2	380	5	730
250	10	275.1	300	12	60	40	40	2	300	5	730
300	12	325.9	300	12	60	40	40	2	300	5	730
350	14	357.6	350	14	80	50	40	2	250	4	700
400	16	408.4	350	14	80	50	40	1	250	4	700
450	18	459.2	350	14	80	50	40	1	250	4	700
500	20	510.0	350	14	80	50	40	1	250	3	700
550	22	560.8	350	14	80	50	40	1	250	3	700
600	24	611.6	350	14	80	50	40	1	250	3	700

Type 53S & 53P

Nominal Size		Joint I.D.	Recommended Length (L3)		Movement Capability			Max. Working Pressure			
DN	inch		mm	inch	Comp. (mm)	Ext. (mm)	Lat. (mm)	53S		53P	
								Positive (bar)	Vacuum (mmHg)	Positive (bar)	Vacuum (mmHg)
40	1.5	50.3	350	14	90	60	60	5	250	8	700
50	2	62.3	350	14	90	60	60	5	250	8	700
65	2.5	75.0	350	14	90	60	60	5	250	8	700
80	3	90.9	350	14	90	60	60	5	250	8	700
100	4	116.3	350	14	90	60	60	4	250	6	700
125	5	143.3	350	14	90	60	60	4	250	6	700
150	6	170.3	350	14	90	60	60	4	250	6	700
200	8	221.1	350	14	90	60	60	2	250	5	700
250	10	275.1	350	14	90	60	60	2	250	5	700
300	12	325.9	350	14	90	60	60	2	250	5	700
350	14	357.6	450	18	120	75	60	2	150	4	700
400	16	408.4	450	18	120	75	60	1	150	4	700
450	18	459.2	450	18	120	75	60	1	150	4	700
500	20	510.0	450	18	120	75	60	1	150	3	700
550	22	560.8	450	18	120	75	60	1	150	3	700
600	24	611.6	450	18	120	75	60	1	150	3	700