

Redflex SL-50 Expansion Joint (JRE)



- Single arch
- Slip over pipe for easy connection
- Designed for low pressure systems
- Vibration and sound elimination
- Absorbs movement in pipeline
- No gaskets required
- Made in the U.S.A.

Materials of Construction

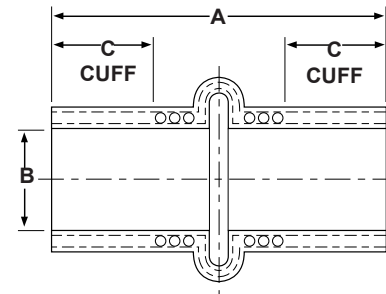
- **Elastomers:** Natural Rubber (NR), Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM), Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR)

* - White food grade options available.

The SL-50 Expansion Joint is designed to be quickly installed onto Standard Schedule 40 pipe. The SL-50 uses slip-on connections with stainless steel mounting bands for a secure connection.

The SL-50 features an inner tube that is chosen to be compatible with the process material, a middle layer containing fabric and wire reinforcement, and an outer layer to protect the joint from occasional contact with oils, corrosion and weathering.

The SL-50 can be constructed in custom lengths, with custom cuff I.D.'s, and custom configurations.



Redflex SL-53 Triple Arch Expansion Joint (JRE)



SL-53

- Triple arch
- Slip over pipe for easy connection
- Designed for low pressure systems
- More lateral movement than SL-50
- Vibration and sound elimination
- Absorbs movement in pipeline
- Made in the U.S.A.

Materials of Construction

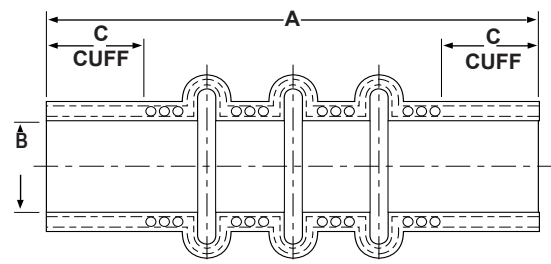
- **Elastomers:** Natural Rubber (NR), Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM), Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR)

* - White food grade options available.

The Series SL-53 Triple Arch Expansion Joint is designed to allow for greater contraction, expansion and lateral movement than the SL-50. The internal diameter of the SL-53 is equal to the outside diameter of replacement pipes. The SL-53 slips over the ends of an open pipe and is secured by clamps.

Construction consists of a tube made of natural or synthetic elastomer, a hand-fabricated body consisting of high-quality synthetic fabric for reinforcement, and a cover wrap used to protect the unit against occasional contact with oil, weathering, ozone and corrosive environment.

The SL-53 Expansion Joint is simple and economical to use. The SL-53 Expansion Joint will absorb movement from vibration, thermal expansion and contraction and allow for misalignment of piping.



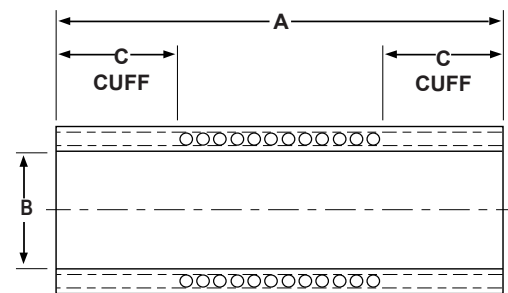
Redflex SL-100 Vibration Pipe (VPR)


SL-100

- Slip over pipe for easy connection
- Designed for low pressure systems
- Vibration and sound elimination
- Absorbs movement in pipeline
- Made in the U.S.A.

The slip-on SL-100 provides a very simple and effective way to reduce vibration and movement in low-pressure applications. The slip-on configuration of the SL-100 allows a section of pipe to be removed, and the rubber connector to be slipped into place. Stainless steel bands are provided for a secure connection.

The SL-100 acts as a rubber isolator to prevent vibration from being transmitted from moving parts, such as pumps or compressors. By isolating vibration, it also eliminates much of the noise that is transmitted as well. The flexibility of the joint can help compensate for movement between two pipes.



Materials of Construction

- **Elastomers:** Natural Rubber (NR), Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM), Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR)

* - White food grade options available.

Redflex SL-50, SL-53, SL-100 Expansion Joints Dimensions and Movement

SIZE	DIMENSIONS in/mm											WORKING PRESSURE psi/kPa
	LENGTH A			ACTUAL I.D. B	CUFF C	COMPRESSION		EXTENSION		DEFLECTION		
	SL-50	SL-53	SL-100			SL-50	SL-53	SL-50	SL-53	SL-50	SL-53	
*1"	6.00	9.00	6.00	1.31	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
25mm	152	229	152	33	51	25	76	13	38	13	38	520
*1.5"	6.00	9.00	6.00	1.88	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
40mm	152	229	152	48	51	25	76	13	38	13	38	520
*2"	6.00	9.00	6.00	2.38	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
50mm	152	229	152	60	51	25	76	13	38	13	38	520
2.5"	6.00	9.00	6.00	2.88	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
65mm	152	229	152	73	51	25	76	13	38	13	38	520
3"	6.00	9.00	6.00	3.50	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
80mm	152	229	152	89	51	25	76	13	38	13	38	520
4"	6.00	9.00	6.00	4.50	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
100mm	152	229	152	114	51	25	76	13	38	13	38	520
6"	6.00	10.00	6.00	6.63	2.00	1.00	3.00	0.50	1.50	0.50	1.50	75
150mm	152	254	152	168	51	25	76	13	38	13	38	520
8"	6.00	10.00	6.00	8.63	2.00	1.00	3.00	0.50	1.50	0.50	1.50	50
200mm	152	254	152	219	51	25	76	13	38	13	38	350
10"	6.00	10.00	6.00	10.75	2.00	1.00	3.00	0.50	1.50	0.50	1.50	50
250mm	152	254	152	273	51	25	76	13	38	13	38	350
12"	6.00	10.00	6.00	12.75	2.00	1.00	3.00	0.50	1.50	0.50	1.50	50
300mm	152	254	152	324	51	25	76	13	38	13	38	350
14"	10.00	14.00	10.00	14.00	3.00	1.00	3.00	0.50	1.50	0.50	1.50	25
350mm	254	256	254	356	76	25	76	13	38	13	38	170
16"	10.00	14.00	10.00	16.00	3.00	1.00	3.00	0.50	1.50	0.50	1.50	25
400mm	254	256	254	406	76	25	76	13	38	13	38	170
18"	10.00	14.00	10.00	18.00	3.00	1.00	3.00	0.50	1.50	0.50	1.50	25
450mm	254	256	254	457	76	25	76	13	38	13	38	170
20"	10.00	14.00	10.00	20.00	3.00	1.00	3.00	0.50	1.50	0.50	1.50	25
500mm	254	256	254	508	76	25	76	13	38	13	38	170
24"	10.00	14.00	10.00	24.00	3.00	1.00	3.00	0.50	1.50	0.50	1.50	25
600mm	254	256	254	610	76	25	76	13	38	13	38	170
36"	12.00	16.00	12.00	36.00	4.00	1.00	3.00	0.50	1.50	0.50	1.50	10
900mm	305	406	305	914	102	25	76	13	38	13	38	70
48"	12.00	16.00	12.00	48.00	4.00	1.00	3.00	0.50	1.50	0.50	1.50	10
1200mm	305	406	305	1219	102	25	76	13	38	13	38	70
60"	12.00	16.00	12.00	60.00	4.00	1.00	3.00	0.50	1.50	0.50	1.50	10
1500mm	305	406	305	1524	102	25	76	13	38	13	38	70
72"	12.00	16.00	12.00	72.00	4.00	1.00	3.00	0.50	1.50	0.50	1.50	10
1800mm	305	406	305	1829	102	25	76	13	38	13	38	70

* Filled arch only.