Rubber Joints with Floating Flanges

Style SRDA — **Double Sphere**

SPHERICAL

DESIGN

Double Sphere Joints are used exactly as their single sphere counterparts. However, its unique shape and longer length allows greater compression, elongation, lateral and angular movement. This minimizes water hammer, increases noise suppression and dampens hydraulic surge and shock in any system.

The construction combines elastic properties of rubber with nylon cord fabric reinforcement and is integrated with steel Floating Flanges to provide a flexible pipe joint. The Sealing surfaces provide a fluid and gas tight seal.

IDEAL as a PUMP CONNECTOR

Most widely used world over to protect pumps. It provides the greatest pressure, temperature and movement. Its resiliency helps control pulsation shocks and noise transmission.

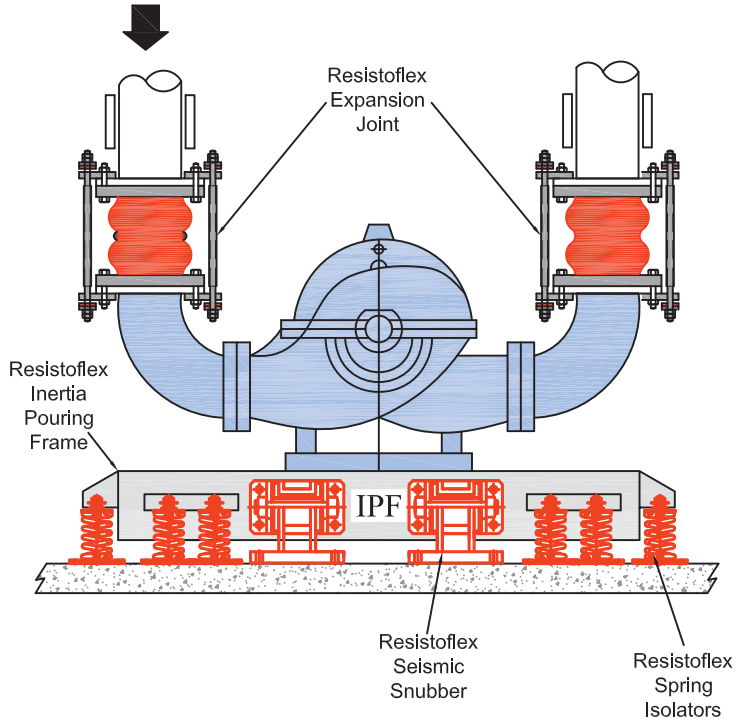
ADVANTAGES

- WIDE FLOWING ARCH - Virtually eliminates sediment build up
- FLOATING FLANGE - eases Installation
- COMPENSATES FOR AXIAL, LATERAL, TORSIONAL AND ANGULAR MOVEMENTS - Due to thermal changes & misalignment
- ISOLATES VIBRATIONS, DAMPENS NOISE AND PRESSURE SURGES
- SUITABLE FOR SUCTION AND DISCHARGE

APPLICATIONS

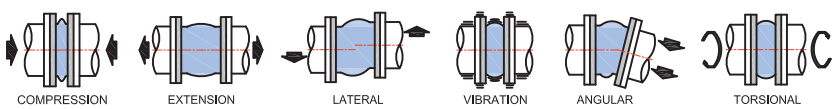
For use in Plumbing, HVAC & Air systems in:

- RESIDENTIAL HOUSES
- COMMERCIAL BUILDINGS
- INDUSTRIAL PLANTS
- SEWAGE TREATMENT PLANTS
- CHEMICAL PLANTS
- POWER PLANTS
- MARINE SYSTEMS



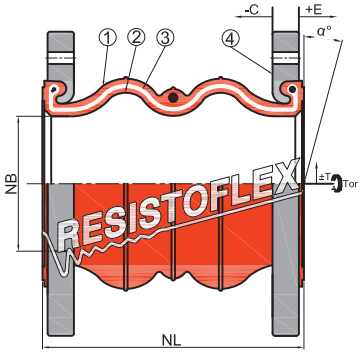
DOUBLE SUCTION PUMP

For BIG RELIEF from STRESSES AT PIPE FLANGES

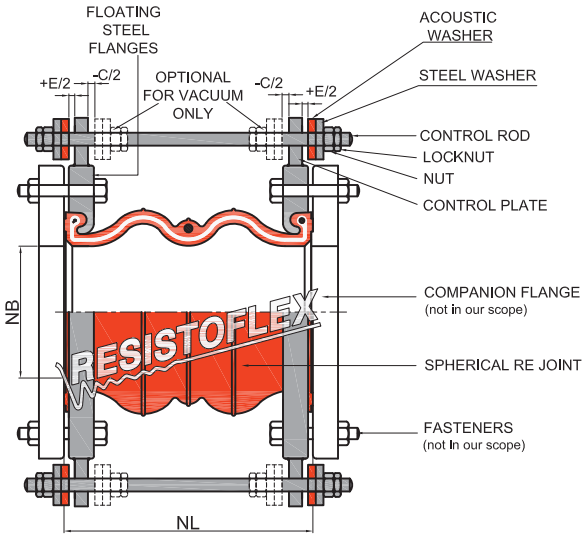


RESISTOFLEX
SINCE 1947
Rubber Expansion Joints

Double Sphere Rubber Joints with Floating Flanges SRDA



REJ for anchored / guided pipelines



REJ with Control Units for all other lines

CAUTION : *After installation Control Units require setting at site for E/2 and C/2*

CONSTRUCTION

S.No.	COMPONENT		MATERIAL
1	Outer Cover		EPDM / Synthetic Rubber
2	Inner Lining		EPDM / Synthetic Rubber
3	Carcass		Nylon Cord Fabric
4	Floating Flanges		Mild Steel
5	Control Unit		Mild Steel
Conveying Medium		Standard	Water, Sea Water, Acid, Alkali, Compressed Air etc.
		Optional	Oils, Hydraulic Oil, Hot Water

DESIGN CONDITIONS

TYPE		PN 2.5	PN 10	PN 16*	PN 25*
Maxm. Working Pressure	Kgf/cm²	2.5	10	16	25
Design / Test Pressure	Kgf/cm²	3.8	15	24	38
Vacuum	mm Hg	250	400	650	750
Flange Drillings	Standard	IS 6392	BS 10 D	BS 10 E	IS 6392
	Optional	ASME B16.5/BS 4504/ISO 7005/EN 1092			
Temperature	°C	-10° to +70°C (Optional -20° to +110°C)			

* Control Units Recommended

1 bar = 0.1 Mpa = 1 Kg/cm² = 14.5 psi

TECHNICAL CHARACTERISTICS

CODE	DIMENSIONS		MAXIMUM ALLOWABLE MOVEMENTS (Not Simultaneous)			
	NOMINAL BORE	NEUTRAL LENGTH	AXIAL ELONGATION	AXIAL COMPRESSION	TRANSVERSE DEFLECTION	ANGULAR MOVEMENT
	NB (mm)	NL (mm)	+ E (mm)	- C (mm)	T (mm)	α°(Deg.)
REJ-SRDA-0032	32	150	10	20	20	30°
REJ-SRDA-0040	40	150	10	20	20	30°
REJ-SRDA-0050	50	150	10	20	20	30°
REJ-SRDA-0065	65	150	10	20	20	30°
REJ-SRDA-0080	80	150	10	20	20	30°
REJ-SRDA-0100	100	200	15	30	25	30°
REJ-SRDA-0125	125	200	15	30	25	30°
REJ-SRDA-0150	150	200	15	30	25	30°
REJ-SRDA-0200	200	200	20	40	30	30°
REJ-SRDA-0250	250	200	20	40	30	30°
REJ-SRDA-0300	300	200	20	40	30	30°
REJ-SRDA-0350	350	225	20	40	30	30°
REJ-SRDA-0400	400	225	20	40	30	30°
REJ-SRDA-0450	450	260	25	45	30	30°
REJ-SRDA-0500	500	260	25	45	30	30°
REJ-SRDA-0600	600	260	25	45	30	30°

- **Suffix CU for REJ with Control Units**
- **Consult Resistoflex for special sizes, end connections, conveying medium, operating Conditions**

E-mail : sales@resistoflex.in www.resistoflex.in **Mob.: 98182 00361 - 364**