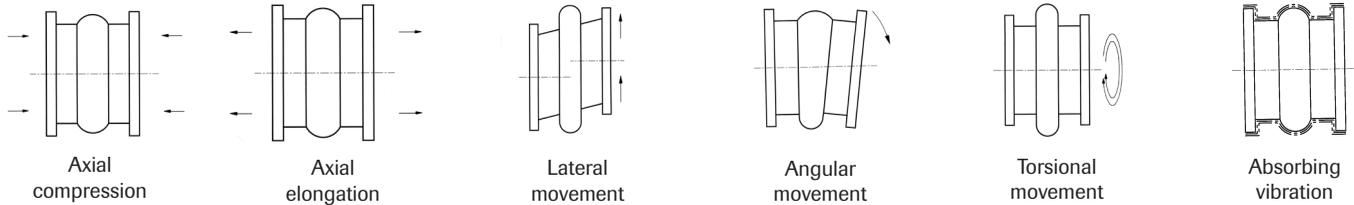


HALE-FLEX expansion joints / connectors / bellows have been used in the following industries under diverse application conditions:

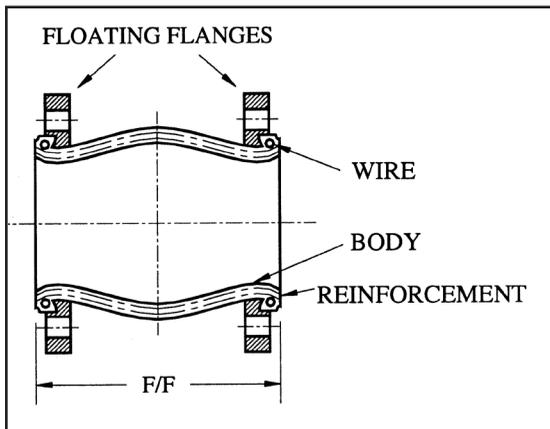
- Cement
- Metallurgical
- Chemical
- Mining
- General Industrial
- Municipal
- HVAC
- Petroleum
- Laboratories
- Pulp and Paper
- Marine
- Power Generation
- Water Treatment

Expansion joints / connectors / bellows are used to absorb one or a combination of the following movements of the associated piping, machinery and equipment.



A **HALESON** representative will assist you in selecting one of the below HALE-FLEX models to suit your application.

MODEL: HS-10R SINGLE ARCH EXPANSION JOINT, C/W FLOATING FLANGES



AVAILABILITY		
DESCRIPTION	STANDARD	SPECIAL
BODY	EPDM	NEOPRENE, BUNA-N CHLOROBUTYL ETC..
REINFORCING	NYLON TYRE CORD	N/A
WIRE	HARD STEEL WIRE	N/A
FLANGE MATERIAL	MILD STEEL ZINC PLATED	SS, BRONZE, MONEL
FLANGE STANDARD	ANSI 150 LB DRILLING	ANSI 300 LB DRILLING DIN, BS, JIS, ETC...
CONTROL RODS	NOT INCLUDED	AVAILABLE

DATA FOR STANDARD MODEL HS-10R-EPDM

Joint Size ID (in)	Face to Face F/F (in)	Allowable Movement (in) (1)				Operating Conditions (2) (3)		
		Axial Compression	Axial Elongation	Transverse Deflection	Angular Deflection	Max. Pressure PSIG @70°F	Max. Temperature °F @ 25PSIG	Vacuum Rating Hg in @70°F
1	6	1/2	3/8	±1/2	15°	225	300	16
1 1/2	6	1/2	3/8	±1/2	15°	225	300	16
2	6	1/2	3/8	±1/2	15°	225	300	16
2 1/2	6	1/2	3/8	±1/2	15°	225	300	16
3	6	1/2	3/8	±1/2	15°	225	300	16
4	6	5/8	3/8	±1/2	15°	225	300	16
5	6	5/8	3/8	±1/2	15°	225	300	16
6	6	5/8	3/8	±1/2	15°	225	300	16
8	6	3/4	3/8	±1/2	15°	225	300	16
10	8	3/4	1/2	±3/4	15°	225	300	16
12	8	1	1/2	±3/4	15°	225	300	16
14	8	1	5/8	±7/8	15°	150	300	16
16	8	1	5/8	±7/8	15°	125	300	16
18	8	1	5/8	±7/8	15°	125	300	16
20	8	1	5/8	±7/8	15°	125	300	16

Note: 1 - Allowable movements are non-concurrent, some applications may require control rods.
 2 - Based on air as fluid. For other fluids consult your representative.
 3 - Full vacuum option available. Consult your representative.