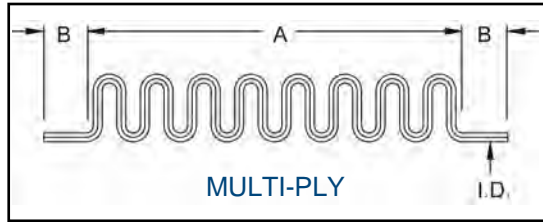


MULTI-PLY SPECIFICATIONS

A240 T-321 STAINLESS STEEL BELLOWS

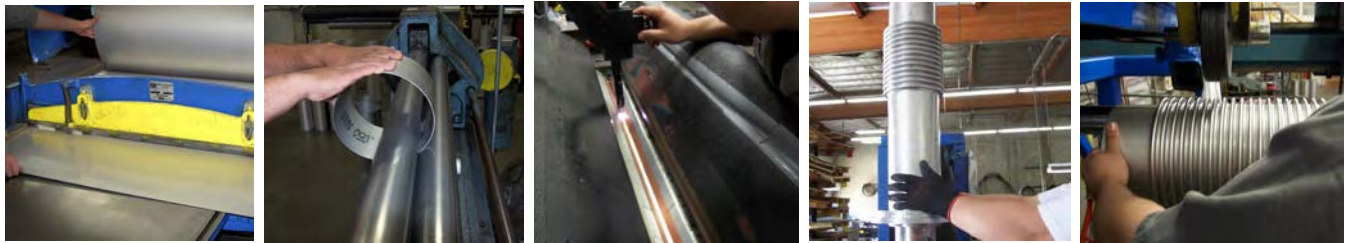


Multi-ply bellows construction offers superior vibration dampening ability. Large amounts of lateral and axial motions are possible with the lowest spring forces and the maximum fatigue cycle life available.

For critical applications, multi-ply bellows are the best choice. DME designs bellows with up to six (6) plies for ultimate performance.

DME has the experience and ability to design a bellows to meet your exact requirements.

BELLOWS I.D.	CONV. LENGTH "A"	NECK LENGTH "B"	MAX. * PSIG @ 900°F	MAX. BELLOWS TEMP	AXIAL COMPR. ONLY	LATERAL OFFSET ONLY	AXIAL SPRING RATE # / INCH	MINIMUM CYCLE LIFE (THEOR)	LATERAL SPRING RATE # / INCH	MINIMUM CYCLE LIFE (THEOR)	PART NUMBER
1 50	6.00	0.625	35	1200°F	0.75	0.75	233	20,000	30	20,000	MP0150-0600
2 00	6.00	0.625	20	1200°F	1.25	1.00	130	20,000	31	20,000	MP0200-0600
2 38	6.00	0.625	20	1200°F	1.25	0.88	85	20,000	28	20,000	MP0238-0600
2 50	6.00	0.625	20	1200°F	1.25	0.88	90	20,000	32	20,000	MP0250-0600
2 88	6.00	0.625	25	1200°F	1.25	0.75	104	20,000	47	20,000	MP0288-0600
3 00	9.00	0.625	5	1200°F	3.00	2.00	68	15,000	15	20,000	MP0300-0900
3 50	9.00	0.625	7	1200°F	3.00	2.00	43	15,000	13	20,000	MP0350-0900
4 00	9.00	0.625	5	1200°F	3.00	2.00	33	15,000	13	20,000	MP0400-0900
4 50	9.00	0.625	5	1200°F	3.00	2.00	38	15,000	18	20,000	MP0450-0900
5 00	9.00	0.625	9	1200°F	3.00	1.50	55	20,000	34	20,000	MP0500-0900
5 56	9.00	0.625	10	1200°F	3.00	1.50	61	20,000	45	20,000	MP0556-0900
6 00	9.00	0.625	10	1200°F	3.00	1.50	66	20,000	56	20,000	MP0600-0900
6 63	9.00	0.625	12	1200°F	3.00	1.00	73	20,000	75	20,000	MP0663-0900
7 50	9.00	0.625	12	1200°F	3.00	1.00	83	20,000	106	20,000	MP0750-0900
8 00	9.00	0.625	15	1200°F	3.00	1.00	89	20,000	128	20,000	MP0800-0900
8 63	9.00	0.625	15	1200°F	3.00	1.00	96	20,000	159	20,000	MP0863-0900
9 50	9.00	0.625	15	1200°F	3.00	0.88	106	20,000	210	20,000	MP0950-0900
10.00	9.00	0.625	7	1200°F	3.00	1.00	44	20,000	100	20,000	MP1000-0900
10.75	9.00	0.625	7	1200°F	3.00	1.00	48	20,000	123	20,000	MP1075-0900
12.00	9.00	0.625	9	1200°F	3.00	1.00	54	20,000	168	20,000	MP1200-0900
12.75	9.00	0.625	9	1200°F	3.00	1.00	57	20,000	200	20,000	MP1275-0900
14.00	9.00	0.625	5	1200°F	4.00	0.75	43	20,000	178	20,000	MP1400-0900
16.00	9.00	0.625	7	1200°F	4.00	0.63	49	20,000	262	20,000	MP1600-0900
18.00	9.00	0.625	7	1200°F	4.00	0.63	55	20,000	368	20,000	MP1800-0900
20.00	9.00	0.625	10	1200°F	4.00	0.50	62	20,000	501	20,000	MP2000-0900
22.00	9.00	0.625	10	1200°F	4.00	0.50	68	20,000	661	20,000	MP2200-0900
24.00	9.00	0.625	10	1200°F	4.00	0.50	74	20,000	853	20,000	MP2400-0900



"Each Bellows Is Individually Hand Crafted To Meet Exact Specifications"

Notes:

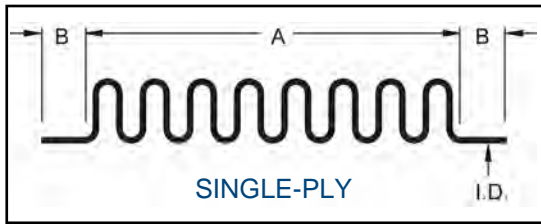
- ◆ Maximum PSIG and temperature ratings are for the bellows only. The rating for the assembly will be based on the fitting style and type of materials selected.
- ◆ Movements shown are non-concurrent. Bellows can accommodate both axial and lateral movement. Contact DME for concurrent movement values.
- ◆ Longer and shorter bellows can be furnished upon customer's request.
- ◆ Bellows can be extended up to 50% of the axial compression rating.
- ◆ Larger sizes available.
- ◆ Inconel 625, T-316 Stainless Steel, Hastelloy C276, T-304 Stainless Steel, Alloy-X, Monel 400 bellows are available on request.
- Shorter bellows will have greater pressure capabilities, longer bellows have lower pressure capabilities. Consult DME with your requirements.
- For temperatures over 1200°F, Inconel 625 or Hastelloy X bellows should be used.

Contact One Of Our Product Specialists For Assistance



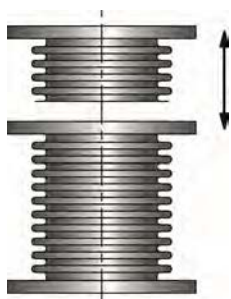
SINGLE-PLY SPECIFICATIONS

A240 T-321 STAINLESS STEEL BELLOWS

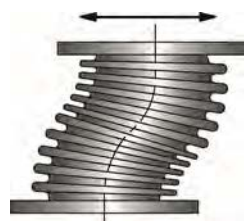


Single-ply bellows construction is used for moderate amounts of lateral and axial motions. Spring forces are higher than multi-ply bellows and fatigue cycle life is better than flex hose. Single-ply bellows are commonly used in piping system for compression. When used to absorb axial thermal growth, the piping needs to be properly anchored and guided.

BELLOWS I.D.	CONV. LENGTH "A"	NECK LENGTH "B"	MAX. * PSIG @ 900°F	MAX. BELLOWS TEMP	AXIAL COMPR. ONLY	LATERAL OFFSET ONLY	AXIAL SPRING RATE # / INCH	MINIMUM CYCLE LIFE (THEOR)	LATERAL SPRING RATE # / INCH	MINIMUM CYCLE LIFE (THEOR)	PART NUMBER
1.50	6.00	0.625	20	1200°F	0.75	0.75	176	10,800	22	11,000	SP0150-0600
2.00	6.00	0.625	10	1200°F	1.25	1.00	95	13,900	22	15,000	SP0200-0600
2.38	6.00	0.625	15	1200°F	1.25	0.88	68	12,700	22	15,000	SP0238-0600
2.50	6.00	0.625	15	1200°F	1.25	0.88	72	12,600	25	11,800	SP0250-0600
2.88	6.00	0.625	20	1200°F	1.25	0.75	83	11,600	37	12,700	SP0288-0600
3.00	9.00	0.625	8	1200°F	2.00	1.75	121	11,800	26	11,700	SP0300-0900
3.50	9.00	0.625	10	1200°F	2.00	1.25	86	10,600	25	15,000	SP0350-0900
4.00	9.00	0.625	10	1200°F	2.50	1.25	67	10,200	25	15,000	SP0400-0900
4.50	9.00	0.625	10	1200°F	2.25	1.25	76	15,000	35	15,000	SP0450-0900
5.00	9.00	0.625	20	1200°F	2.00	1.00	127	15,000	81	15,000	SP0500-0900
5.56	9.00	0.625	20	1200°F	2.00	1.00	142	15,000	109	10,700	SP0556-0900
6.00	9.00	0.625	20	1200°F	2.00	0.88	154	14,900	135	14,500	SP0600-0900
6.63	9.00	0.625	25	1200°F	2.00	0.75	170	14,000	180	15,000	SP0663-0900
7.50	9.00	0.625	30	1200°F	2.00	0.75	194	13,000	256	10,000	SP0750-0900
8.00	9.00	0.625	30	1200°F	2.00	0.63	207	12,000	308	18,000	SP0800-0900
8.63	9.00	0.625	35	1200°F	2.00	0.63	224	12,000	383	12,000	SP0863-0900
9.50	9.00	0.625	35	1200°F	2.00	0.50	247	12,000	507	15,000	SP0950-0900
10.00	9.00	0.625	30	1200°F	2.50	0.75	200	15,000	447	11,000	SP1000-0900
10.75	9.00	0.625	30	1200°F	2.50	0.63	215	15,000	549	15,000	SP1075-0900
12.00	9.00	0.625	30	1200°F	2.50	0.50	241	12,000	754	15,000	SP1200-0900
12.75	9.00	0.625	30	1200°F	2.75	0.50	257	10,000	898	15,000	SP1275-0900
14.00	9.00	0.625	25	1200°F	3.00	0.63	192	15,000	799	15,000	SP1400-0900
16.00	9.00	0.625	30	1200°F	3.00	0.50	221	15,000	1,175	15,000	SP1600-0900
18.00	9.00	0.625	35	1200°F	3.00	0.50	249	15,000	1,653	13,000	SP1800-0900
20.00	9.00	0.625	40	1200°F	3.00	0.38	278	15,000	2,246	15,000	SP2000-0900
22.00	9.00	0.625	40	1200°F	3.00	0.38	306	15,000	2,967	11,000	SP2200-0900
24.00	9.00	0.625	45	1200°F	3.00	0.38	335	15,000	3,826	13,000	SP2400-0900



AXIAL COMPRESSION / EXTENSION



LATERAL OFFSET



COMBINED



ANGULAR

Notes:

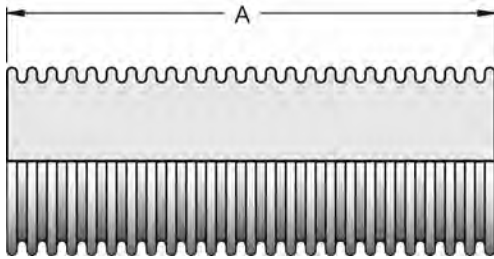
- ◆ Maximum PSIG and temperature ratings are for the bellows only. The rating for the assembly will be based on the fitting style and type of materials selected.
- ◆ Movements are non-concurrent.
- ◆ Longer and shorter bellows can be furnished upon customer's request.
- ◆ Inconel 625, T-316 Stainless Steel, Hastelloy C276, T-304 Stainless Steel, Alloy-X, Monel 400 bellows are available on request.
- ◆ Bellows can be extended up to 50% of the axial compression rating.
- ◆ Larger sizes available.

Contact One Of Our Product Specialists For Assistance



FLEX HOSE SPECIFICATIONS

CORRUGATED EXHAUST FLEX HOSE



A 240 T-321 STAINLESS STEEL

Flex hose offers an economical solution for minor vibration isolation between the engine and piping. This product should only be used for a minimal amount of thermal growth or piping mis-alignment. The life expectancy of flex hose is un-predictable and should only be used for non-critical applications.

FLEX I.D. (TRUE)	CONV. LENGTH "A"	MAX. * PSIG @ 900°F	MAX. FLEX TEMP	AXIAL COMPR. ONLY	AXIAL SPRING RATE # / INCH	ADDT'L MOVEMENT PER INCH (AXIAL)	LATERAL OFFSET ONLY	LATERAL SPRING RATE # / INCH	ADDT'L MOVEMENT PER INCH (LATERAL)	CYCLE LIFE	PART NUMBER
1 00	12.00	20	1200°F	0.140	320	0.011	1.32	5.5	0.110	N/A	EFX0100M01-12
1 25	12.00	20	1200°F	0.140	319	0.011	1.29	7.7	0.107	N/A	EFX0125M01-12
1 50	12.00	19	1200°F	0.140	298	0.011	1.25	9.8	0.104	N/A	EFX0150M01-12
2 00	12.00	18	1200°F	0.140	343	0.011	0.960	18.4	0 080	N/A	EFX0200M01-12
2 50	12.00	22	1200°F	0.210	345	0.017	0.820	29	0 068	N/A	EFX0250M01-12
3 00	17.00	10	1200°F	0.289	191	0.017	1.04	12	0 061	N/A	EFX0300M01-17
3 50	17.00	10	1200°F	0.289	217	0.017	0.918	18	0 054	N/A	EFX0350M01-17
4 00	17.00	10	1200°F	0.289	225	0.017	0.850	23	0 050	N/A	EFX0400M01-17
5 00	17.00	15	1200°F	0.289	342	0.017	0.663	54	0 039	N/A	EFX0500M01-17
6 00	17.00	19	1200°F	0.289	441	0.017	0.595	95	0 035	N/A	EFX0600M01-17
7 50	17.00	14	1200°F	0.374	311	0.022	0.553	104	0 033	N/A	EFX0750M01-17
8 00	17.00	14	1200°F	0.374	323	0.022	0.510	123	0 030	N/A	FLX0800M01-17
8 63	17.00	15	1200°F	0.374	341	0.022	0.474	147	0 028	N/A	FLX0863M01-17
9 50	17.00	16	1200°F	0.374	371	0.022	0.416	193	0 024	N/A	FLX0950M01-17
10.00	17.00	14	1200°F	0.374	310	0.022	0.357	192	0 021	N/A	FLX1000M01-17
10.75	17.00	14	1200°F	0.374	328	0.022	0.332	232	0 020	N/A	FLX1075M01-17
12.00	17.00	15	1200°F	0.374	359	0.022	0.340	311	0 020	N/A	FLX1200M01-17
12.75	17.00	15	1200°F	0.374	380	0.022	0.321	369	0 019	N/A	FLX1275M01-17
14.00	17.00	17	1200°F	0.374	397	0.022	0.306	415	0 018	N/A	FLX1400M01-17
16.00	17.00	18	1200°F	0.374	435	0.022	0.272	584	0 016	N/A	FLX1600M01-17
18.00	17.00	18	1200°F	0.374	483	0.022	0.255	809	0 015	N/A	FLX1800M01-17

Notes:

- ◆ 1" - 6" Sizes are Stocked in Approximately 20' Lengths.
- ◆ 7-1/2" and Larger Sizes are Stocked in 12", 18" and 24" Lengths.
- ◆ Larger and Metric Sizes Available on Request.
- ◆ Inconel 625, T-316L, Hastelloy and Other Alloys Available on Request.



"DME Maintains a Large Inventory of Flex Hose"



Contact One Of Our Product Specialists For Assistance

