

MULTI-PLY ENGINE EXHAUST BELLOWS

The **Duraflex** Multi-ply Exhaust Bellows is specifically designed to handle the stresses of today's modern engines. Manufactured from thin wall stainless steel, our multi-ply bellows are robust yet flexible enough to accept the high demands of frequent starts and stops as well as minimize the effects of vibration. This will ensure a longer lasting, higher cycle life bellows for your application.



MARKETS SERVED

- Agriculture
- Power Distribution
- Marine
- Construction
- Oil Platform
- Power Generation
- Mining
- Ship Building
- Forestry
- Skid Steer

APPLICATIONS

- OEM Engines
- Generator Sets
- Marine Propulsion
- Gas Turbine Exhaust
- Power Units
- Auxiliary System Piping
- After Treatment Emission Control

ADVANTAGES

- Leak tight solutions for Tier III/IV applications.
- High heat resistant to increased thermal excursions.
- High motion capabilities for offset, misalignment and vibratory conditions.
- Custom end fittings and flanges available.
- Small run prototyping.
- Engineering system and component analysis available.
- Most sizes in stock.
- Multi-plyed to reduce harmful effects of vibration.
- Single, dual or triple capsules available in a single assembly.
- Standards include short, medium and long length versions.
- Perfect balance of strength and flexibility.



FEATURES

- 3"-12" in diameter.
- Designed specifically for internal engine exhaust applications.
- Variety of end fittings available: fixed flange, weld ends, fixed x floating flange, marmon, tube ends, integrated hydroformed ends and custom configurations.
- Engineering design and configuration assistance upon request.



DURAFLEX STANDARD MULTI-PLY EXHAUST BELLOWS SPECIFICATIONS

Dia. x OAL (In)	Part Number	Live Length (In)	Axial Comp. (In)	Axial Spring Rate (#/In)	# of Plies	# of Corrs	Working Pressure @ 1000 Deg F.	Thermal Life Cycles
3" x 5"	030P-MB1-B-5	3.0"	1.0"	140.5	3 Plies	11	55.5	838,918
3" x 7"	030P-MB1-B-7	5.0"	1.5"	86.2	3 Plies	18	21.3	2,040,278
3" x 10"	030P-MB1-B-10	8.0"	2.5"	53.2	3 Plies	29	8.5	1,430,286
3" x 12"	030P-MB1-B-12	10.0"	3.0"	43.1	3 Plies	36	5.7	2,040,278
4" x 5"	040P-MB1-B-5	3.0"	1.0"	175.3	3 Plies	11	69.7	582,849
4" x 7"	040P-MB1-B-7	5.0"	1.5"	107.0	3 Plies	18	25.6	1,324,730
4" x 10"	040P-MB1-B-10	8.0"	2.5"	71.7	3 Plies	28	11.4	881,998
4" x 12"	040P-MB1-B-12	10.0"	3.0"	60.0	3 Plies	32	7.1	982,212
5" x 5"	050P-MB1-B-5	3.0"	1.0"	220.0	3 Plies	11	88.2	539,902
5" x 7"	050P-MB1-B-7	5.0"	1.5"	134.4	3 Plies	18	32.7	1,215,467
5" x 10"	050P-MB1-B-10	8.0"	2.5"	86.2	3 Plies	28	12.8	631,283
5" x 12"	050P-MB1-B-12	10.0"	3.0"	75.0	3 Plies	32	8.5	901,553
6" x 5"	060P-MB1-B-5	3.0"	1.0"	647.3	3 Plies	11	258.9	72,872
6" x 7"	060P-MB1-B-7	5.0"	1.5"	395.9	3 Plies	18	96.7	129,375
6" x 10"	060P-MB1-B-10	8.0"	2.5"	281.7	3 Plies	26	42.7	56,212
6" x 12"	060P-MB1-B-12	10.0"	3.0"	229.0	3 Plies	32	27.0	65,713
8" x 5"	080P-MB1-B-5	3.0"	1.0"	596.4	3 Plies	10	229.0	292,663
8" x 7"	080P-MB1-B-7	5.0"	1.5"	372.4	3 Plies	16	89.6	502,393
8" x 10"	080P-MB1-B-10	8.0"	2.5"	230.7	3 Plies	24	34.1	403,445
8" x 12"	080P-MB1-B-12	10.0"	3.0"	203.8	3 Plies	26	24.2	264,340
10" x 5"	100P-MB1-B-5	3.0"	1.0"	784.5	3 Plies	7	318.6	135,362
10" x 7"	100P-MB1-B-7	5.0"	1.5"	516.9	3 Plies	11	125.2	231,413
10" x 10"	100P-MB1-B-10	8.0"	2.5"	318.6	3 Plies	17	48.4	165,085
10" x 12"	100P-MB1-B-12	10.0"	3.0"	258.7	3 Plies	22	31.3	231,413
12" x 5"	120P-MB1-B-5	3.0"	1.0"	1,137.3	2 Plies	6	462.3	44,259
12" x 7"	120P-MB1-B-7	5.0"	1.5"	689.9	2 Plies	10	167.8	80,468
12" x 10"	120P-MB1-B-10	8.0"	2.5"	502.8	2 Plies	15	76.8	33,698
12" x 12"	120P-MB1-B-12	10.0"	3.0"	418.9	2 Plies	18	51.2	33,698

