

Flex Connectors BC & FBC

Is your furnace piping stressing out?

When furnaces get hot, they need to stretch out (since hot metal expands). While the furnace grows, the pipework attached to the furnace does not. This is because the pipework has gas (and air) flowing at a constant temperature. The result? If you don't have flex couplings on your pipe, the pipe is forced to bend and stretch. Over time this leads to leaking pipes — and leaking pipes rob your process of the energy it needs. In severe cases, an unsafe condition results due to gas leaks!

Avoid this problem by installing flex connectors at every burner on your furnace. NFPA 86 requires it, it helps keep your furnace safe and productive, and it eliminates stressed-out pipe!

Features

- Fault-free machine operation due to absorption of thermal and pressure expansions
- Low fixed point stress due to small bellows external diameter
- Corrosion-resistant material requiring little servicing
- Compensation for installation tolerances due to optional lengths
- Reduces structure-borne noise thus improving operating noise level
- ANSI flange (FBC models) or NPT (BC models) connections available
- FNPT ports available

BC Models

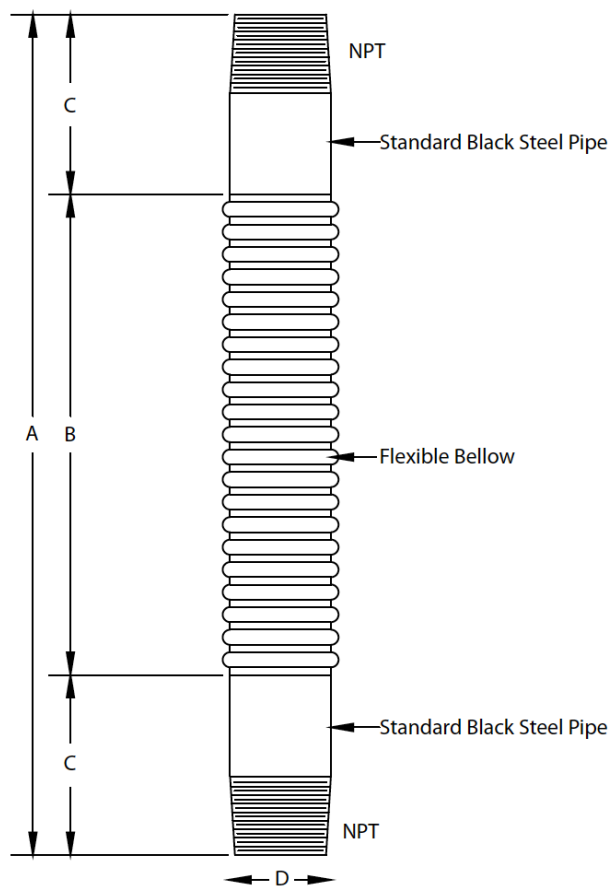


FBC Models





BC Model Dimensions

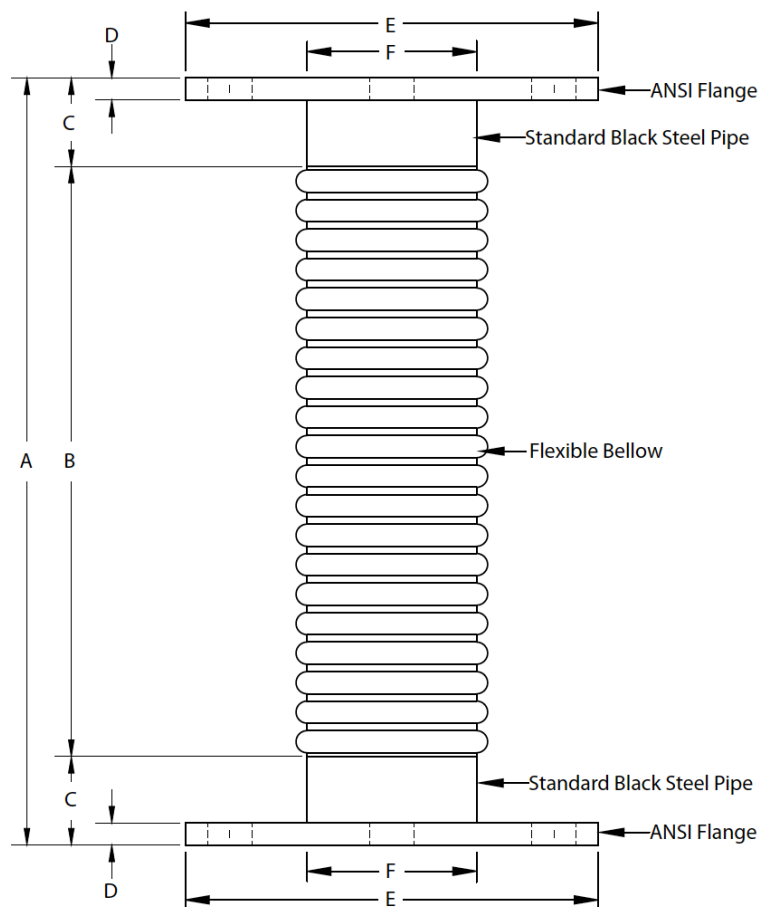


Model#	Dimensions (inches)			
	A	B	C	D
BC-15	7	4	1.5	1/2
BC-20	7	4	1.5	3/4
BC-25	8	5	1.5	1
BC-32	9	5	2	1-1/4
BC-40	12	7	2.5	1-1/2
BC-50	12	7	2.5	2
BC-65	16	10	3	2-1/2
BC-80	16	10	3	3



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FBC Model Dimensions



Model#	Dimensions (inches)					
	A	B	C	D	E	F
FBC-65	13	10	1.5	0.375	7	2-1/2
FBC-80	13	10	1.5	0.375	7.5	3
FBC-100	15	11.5	1.75	0.5	9	4
FBC-150	17	12	1.75	0.625	11	6
FBC-80/03	13	8	2.5	0.375	7.5	3
FBC-80/06	13	8	2.5	0.375	7.5	3
FBC-80/06/03	13	8	2.5	0.375	7.5	3

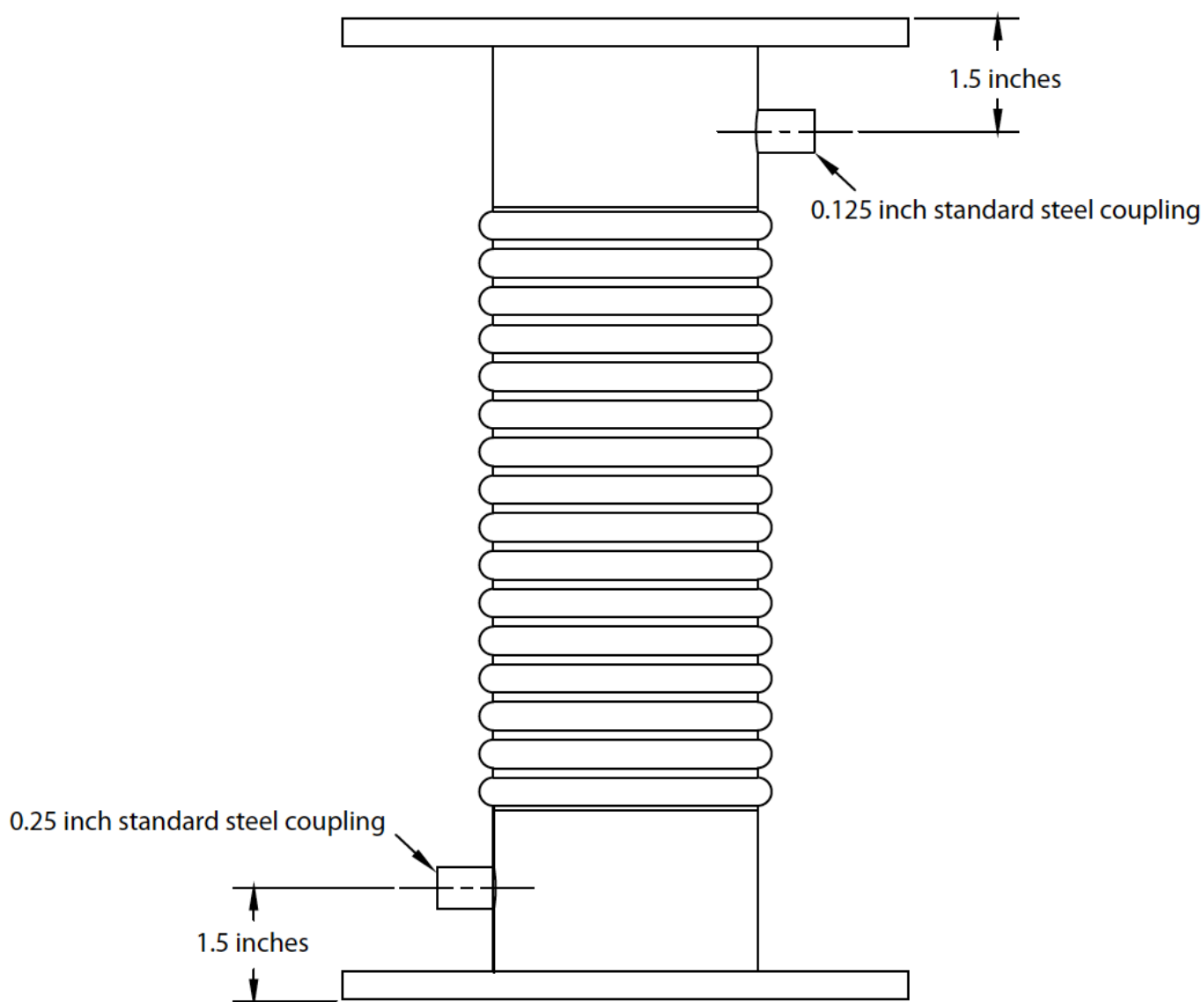


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FNPT Ports

Models FBC-80/03, FBC-80/06, and FBC-80/06-03 provide standard FNPT ports. Locations and dimensions are shown in the diagram below.

- Model FBC-80/03 provides one 0.125-inch port
- Model FBC-80/06 provides one 0.25-inch port
- Model FBC-80/06/03 provides one 0.125-inch port and one 0.25-inch port





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Ordering Information

Model #	Dimensions (inches)			Connection	Working Pressure (PSI)	FNPT Ports
	Total Length	Flex Length	Pipe Diameter			
BC-15	7	4	1/2	NPT	80	N/A
BC-20	7	4	3/4	NPT	70	N/A
BC-25	8	5	1	NPT	40	N/A
BC-32	9	5	1-1/4	NPT	25	N/A
BC-40	12	7	1-1/2	NPT	20	N/A
BC-50	12	7	2	NPT	15	N/A
BC-65	16	10	2-1/2	NPT	12	N/A
BC-80	16	10	3	NPT	10	N/A
FBC-65	13	10	2-1/2	ANSI	15	N/A
FBC-80	13	10	3	ANSI	10	N/A
FBC-100	15	11.5	4	ANSI	8	N/A
FBC-150	17	12	6	ANSI	5	N/A
FBC-80/03	13	8	3	ANSI	10	1x 1/8"
FBC-80/06	13	8	3	ANSI	10	1x 1/4"
FBC-80/06/03	13	8	3	ANSI	10	1x 1/8" + 1x 1/4"

Other configurations available; ask us!



Combustion 911
600 Mogadore Road
Kent, OH 44240
330.678.4328
support_ab@combustion911.com
combustion911.com

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HIGH QUALITY COMBUSTION, PROCESS HEATING AND AUTOMATION SYSTEMS
600 Mogadore Road, Kent OH 44240, 330.678.4328 (phone)
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