

Allen-Sherman-Hoff® ASHCOLITE™ Replaceable Wear-back Fittings

Applications

Babcock & Wilcox (B&W) offers Allen-Sherman-Hoff® ASHCOLITE™ replaceable wear-back fittings, designed for vacuum systems that convey highly erosive ashes.

Design Features

Configuration

These fittings are non-symmetrical. One leg, known as the tangent, is longer than the other. This feature is incorporated so material flows through the fitting toward the tangent, thus exposing the ash to the replaceable reinforced impingement area, which lengthens wear life. The tangent also distances the coupling from eddying ash commonly experienced at turns, thereby reducing coupling wear.

Connection and Installation

Standard ASHCOLITE replaceable wear-back fittings have plain ends that connect with sleeve couplings. This allows for easy installation and replacement. Another benefit of plain end pipe is the elimination of flange breakage as well as the ability to use a wide variety of piping connections.

Grades

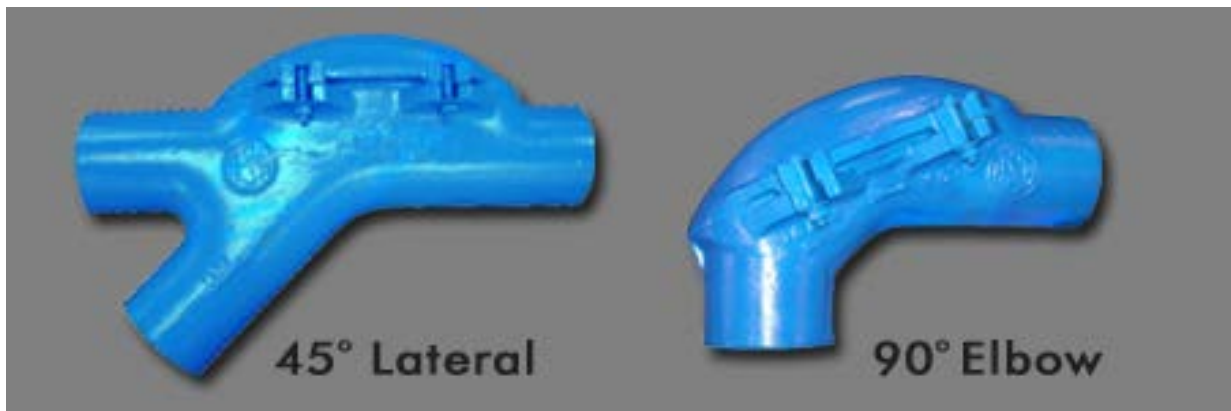
ASHCOLITE replaceable wear-back fittings are made of a chrome-iron alloy. The fitting bodies are available in two grades:

- the A-S-H® 65 body is our standard fitting and has a hardness of between 400 to 500 Brinell
- the A-S-H® 33 body has an improved hardness of 550 Brinell (minimum) for more abrasive applications

The wear-backs are interchangeable among standard fittings of the same nominal size and are available in A-S-H 33 only. To extend life of a wearback, it should be rotated periodically to ensure even wear at each end.

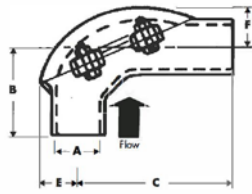
Accessibility

Replaceable wear-back fittings can be removed, allowing access to the pipe line for inspection.



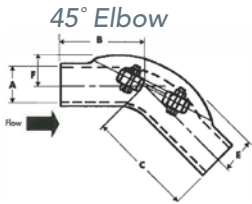
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90° Elbow



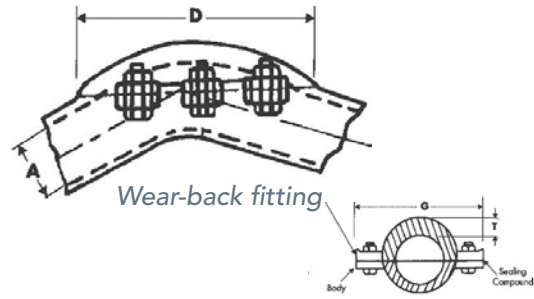
90° Elbow Dimensions

Bore*	Dimensions								Weight (w/wear-back)		
	A		B		C		E		F		
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
4	102	8.13	206	14.50	368	3.25	83	3.75	95	75	34
5	127	9.38	238	17.38	441	4.00	102	4.25	108	105	48
6	152	10.38	264	19.38	492	4.63	117	5.25	133	166	75
7	178	12.00	305	22.25	565	5.25	133	6.00	152	236	107
8	203	12.75	324	24.63	625	6.00	152	6.50	165	315	143
9	229	17.25	438	30.63	778	6.38	162	7.00	178	414	188
10	254	17.00	432	30.00	762	6.00	152	7.50	191	487	221
12	305	21.00	533	37.00	940	7.88	200	9.00	229	903	410



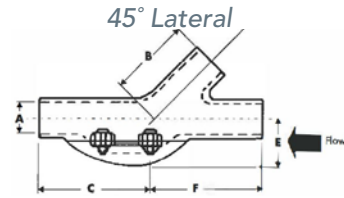
45° Elbow Dimensions

Bore*	Dimensions								Weight (w/wear-back)		
	A		B		C		E		F		
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
4	102	9.75	248	12.25	311	4.00	102	3.50	89	75	34
5	127	11.50	292	14.63	371	4.75	121	4.00	102	105	48
6	152	12.13	308	15.88	403	5.75	146	5.00	127	161	73
7	178	14.75	375	18.75	476	6.50	165	5.75	146	248	112
8	203	15.13	384	20.25	514	7.00	178	6.00	152	315	143
9	229	20.00	508	25.25	641	11.25	286	6.88	175	438	199
10	254	19.00	483	24.00	610	7.75	197	7.13	181	498	226
12	305	23.00	584	29.00	737	8.25	210	12.00	305	935	424



Standard Wear-back Dimensions

Bore*	Dimensions						Weight		Bolts Qty.	
	A		D		G		T			
in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	
4	102	14.38	365	8.75	222	1.50	38	34	15	4
5	127	18.00	457	10.00	254	1.50	38	52	24	4
6	152	21.25	540	11.75	298	2.00	51	102	46	4
7	178	25.25	641	13.25	337	2.00	51	115	52	4
8	203	28.13	715	14.75	375	2.00	51	163	74	4
9	229	32.25	819	16.50	419	2.00	51	202	92	6
10	254	33.75	857	17.50	445	2.00	51	235	107	6
12	305	41.75	1060	19.50	495	2.25	57	500	227	6



45° Lateral Dimensions

Bore*	Dimensions					Weight (w/wear-back)	
	A		B, C, F		E		lb
in.	mm	in.	mm	in.	mm	lb	kg
4	102	14.25	362	6.25	159	125	57
5	127	15.50	394	7.13	181	170	77
6	152	17.00	432	8.75	222	246	112
7	178	19.00	483	9.63	244	359	163
8	203	19.25	489	10.75	273	415	188
9	229	25.25	641	11.25	286	562	255
10	254	28.00	711	11.75	298	788	357
12	305	30.50	775	14.56	370	1223	555

*Nominal Pipe Bore

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