

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



Introduction

All prices are in pounds sterling (£) and exclude carriage, packing and VAT. Unless indicated otherwise, all prices are list price subject to trade discounts.

This price list covers standard products only. Non standard products and alternative installation methods are available, details of which can be obtained from our Sales Office. Contact details are as follows:

Tel: 01795 422609

Fax: 01795 429543

Price enquiries: enquiries@bsb-dampers.co.uk

Technical sales: technical@bsb-dampers.co.uk

Purchase orders: orders@bsb-dampers.co.uk

Customer services: customerservices@bsb-dampers.co.uk

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



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Air, Fire & Smoke Control Products

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Air, Fire & Smoke Control Products

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VC Series - Volume Control Dampers

Model Flange Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

Height	Width																			
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
100	24.35	25.10	25.85	26.38	27.80	28.85	29.76	30.67	31.12	32.40	33.85	34.79	35.70	36.55	37.39	38.51	39.45	40.29	41.15	
150	27.88	28.64	29.23	30.22	30.90	31.50	32.03	33.32	34.30	35.42	36.47	37.70	38.53	39.46	40.23	41.38	42.56	43.09	44.01	
200	30.67	31.35	31.65	33.24	33.61	34.22	35.79	36.25	36.77	37.52	39.54	40.61	41.61	42.23	43.15	44.72	45.41	47.62	48.40	
250	33.24	33.53	34.13	34.74	36.47	37.30	38.37	38.89	39.56	41.06	42.46	42.99	44.45	45.23	46.29	48.77	49.71	50.48	51.25	
300	36.03	37.00	37.75	38.73	39.41	39.63	40.25	42.20	43.47	44.16	45.39	46.37	47.76	48.67	49.20	51.79	52.96	53.73	54.75	
350	39.09	39.71	41.46	41.91	42.60	44.26	44.87	45.57	46.48	47.77	49.14	50.45	51.05	53.26	54.26	55.63	56.30	57.22	58.30	
400	43.59	44.43	44.87	45.57	46.10	47.01	47.84	48.99	50.13	51.26	52.67	53.29	54.19	58.06	58.83	60.12	61.20	62.21	63.33	
450	47.55	48.22	48.76	49.51	50.21	50.74	51.57	52.19	52.79	54.39	55.90	56.97	58.05	61.52	62.60	64.39	65.47	66.39	67.34	
500	49.38	49.90	50.50	50.97	52.33	56.56	57.18	59.00	60.13	61.34	62.83	63.90	64.90	65.97	66.89	68.97	70.19	71.14	72.29	
550	52.19	52.95	56.41	57.01	57.77	60.07	61.34	62.05	63.41	64.46	66.05	67.58	68.43	69.74	71.08	72.68	74.15	75.31	76.32	
600	60.42	61.02	61.95	62.41	63.41	65.41	66.31	67.87	69.09	70.25	71.40	72.32	73.85	75.54	76.61	78.45	79.76	80.92	82.34	
650	64.71	65.41	61.95	67.02	67.79	68.70	69.62	70.54	72.16	73.47	74.69	76.54	78.68	79.91	81.21	83.41	84.72	85.75	87.20	
700	68.15	68.15	66.26	70.72	71.62	72.24	73.31	75.00	76.76	77.93	78.76	80.83	82.75	83.51	85.45	87.97	89.60	91.08	92.78	
750	70.09	70.94	71.55	72.24	73.85	75.54	77.16	78.53	80.29	81.75	83.51	84.90	86.66	88.19	88.78	89.38	93.94	95.50	96.41	
800	74.37	75.13	75.97	76.90	77.66	78.74	80.81	83.72	85.79	88.03	89.25	91.01	92.94	94.79	96.48	98.94	101.18	102.43	103.98	
850	78.86	79.87	80.72	81.74	82.66	83.61	86.85	88.09	90.80	93.13	94.99	96.69	97.69	99.69	101.32	103.52	106.14	109.12	109.47	
900	82.74	83.82	84.77	86.73	86.62	87.55	90.80	91.73	95.14	96.54	98.47	100.18	102.26	104.29	106.23	108.39	110.49	113.31	114.05	
950	86.62	87.78	88.78	89.94	90.80	93.28	94.60	95.92	98.94	100.32	103.51	104.51	108.00	108.63	110.25	113.05	115.13	118.28	118.92	
1000	90.48	91.33	92.28	94.31	96.22	98.39	100.26	102.35	104.29	106.54	108.31	110.25	112.34	114.29	116.45	118.47	120.40	121.21	124.57	

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

VC Series - Volume Control Dampers

Model Flange Fit
 430 Grade Stainless Steel Blades
 Hand Operated/Extended Spindle

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	28.96	29.85	30.76	31.39	33.07	34.34	35.42	36.49	37.03	38.55	40.29	41.39	42.50	43.48	44.50	45.83	46.95	47.95	48.98
150	33.17	34.08	34.79	35.96	36.76	37.48	38.11	39.66	40.81	42.15	43.39	44.87	45.86	46.97	47.88	49.23	50.62	51.27	52.37
200	36.49	37.30	37.66	39.55	39.99	40.74	42.59	43.14	43.76	44.66	47.06	48.33	49.51	50.26	51.36	53.22	54.03	55.79	57.60
250	39.55	39.89	40.62	42.58	43.39	44.39	45.64	46.28	47.08	48.86	50.52	51.17	52.90	53.82	55.09	58.04	59.16	60.07	61.00
300	42.88	44.02	44.93	46.10	46.89	47.17	47.89	50.21	51.74	52.55	54.01	55.19	56.85	57.93	59.77	61.63	63.03	63.95	65.27
350	46.52	47.25	49.34	49.88	50.69	52.67	53.40	54.22	55.30	56.86	58.48	60.03	60.78	63.37	64.57	66.08	66.99	68.10	69.39
400	51.86	52.88	53.40	54.22	54.86	55.94	56.93	58.30	59.65	61.01	62.69	63.41	64.50	69.10	70.01	71.55	72.83	74.05	75.34
450	56.57	57.39	58.02	58.95	59.76	60.39	61.37	62.10	62.83	64.74	66.53	67.80	69.09	72.00	74.48	76.62	77.93	79.03	80.16
500	58.75	59.38	60.11	60.65	62.29	64.83	68.03	70.21	71.56	73.02	74.78	76.03	77.23	78.51	79.61	82.07	83.53	84.66	86.03
550	62.10	63.01	67.12	67.86	68.76	71.48	73.02	73.84	75.46	76.72	78.61	80.43	81.45	83.00	84.60	86.49	88.25	89.64	90.82
600	71.91	72.63	73.72	75.33	76.70	77.83	78.94	80.77	82.22	83.61	84.97	86.07	87.90	89.91	91.19	93.39	94.93	96.31	97.98
650	77.00	77.83	78.84	79.75	80.66	81.76	82.87	83.97	85.87	87.43	88.88	91.09	93.65	95.11	96.66	99.28	100.84	102.03	103.78
700	81.12	82.15	83.23	84.16	85.25	85.97	87.25	89.25	91.34	92.74	93.75	96.21	98.49	99.40	101.68	104.70	106.64	108.38	110.42
750	83.41	84.42	85.17	85.97	87.90	89.91	91.82	93.46	95.57	97.29	99.40	101.05	103.16	104.97	107.01	110.09	111.81	113.65	114.76
800	88.49	89.40	90.43	91.51	92.41	93.71	96.18	99.62	102.10	104.76	106.23	108.32	110.60	112.81	114.82	117.75	120.42	121.91	123.74
850	93.86	95.06	96.09	97.28	98.37	99.50	103.37	104.83	108.07	110.83	113.05	115.08	116.26	118.64	120.58	123.21	126.32	129.86	130.28
900	98.47	99.77	100.88	102.07	103.08	104.19	108.07	109.17	113.25	114.90	117.21	119.28	121.71	124.11	126.42	129.00	131.50	134.85	135.73
950	103.08	104.47	105.66	107.04	108.07	111.01	112.59	114.15	117.75	119.41	123.19	124.38	128.53	129.25	131.23	134.54	137.02	140.76	141.53
1000	107.69	108.70	109.82	112.24	114.52	117.10	119.32	121.80	124.11	126.80	128.90	131.21	133.71	136.00	138.59	140.98	143.28	146.66	148.26

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

VC Series - Volume Control Dampers

Model Spigot Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	27.32	28.19	29.15	29.55	31.23	32.74	33.86	34.76	35.40	36.76	39.82	40.92	42.03	45.12	46.10	47.54	48.88	49.77	50.87
150	31.30	32.20	32.82	33.96	34.76	35.81	36.36	37.81	38.88	40.16	42.97	44.34	45.34	48.79	49.68	51.14	52.58	53.12	54.39
200	34.43	35.38	36.18	37.30	37.88	38.70	40.63	41.22	41.68	42.58	46.55	47.83	48.85	52.20	53.45	55.20	56.12	57.11	58.09
250	37.18	37.70	38.34	39.05	40.98	42.33	43.63	44.02	44.91	46.60	49.96	50.64	52.34	55.95	57.21	58.64	59.74	60.53	61.80
300	40.50	41.55	42.41	43.44	44.17	44.99	45.72	47.90	49.25	50.15	53.62	54.57	56.19	60.14	60.95	62.25	63.78	64.88	66.03
350	44.02	44.57	46.60	47.09	47.90	49.74	50.40	51.20	52.08	53.62	57.89	59.33	60.03	64.18	65.44	66.94	67.94	69.02	70.28
400	48.94	49.91	50.48	51.20	51.76	52.80	53.71	55.08	56.36	57.73	61.90	62.83	63.68	68.39	69.47	70.82	72.28	73.73	74.98
450	53.38	54.18	54.84	55.55	56.45	57.01	57.66	58.53	59.43	61.20	66.00	66.92	68.30	72.69	74.12	76.25	77.62	78.69	79.87
500	55.39	56.02	56.68	57.25	58.70	60.48	61.11	63.14	64.50	65.80	70.86	71.95	73.25	78.15	79.40	81.94	83.29	84.56	85.91
550	58.53	59.58	60.23	61.03	61.86	64.42	65.80	66.68	68.21	69.35	74.59	76.38	77.41	82.62	84.23	86.47	87.55	89.53	90.99
600	63.30	63.88	65.02	65.68	66.66	69.01	69.98	71.69	73.00	74.38	79.29	80.31	82.27	88.35	89.70	91.98	93.69	95.05	96.76
650	68.04	69.01	69.91	70.81	71.62	72.52	73.73	74.86	76.50	77.97	83.12	85.35	87.81	93.71	95.42	98.02	99.82	101.37	103.07
700	72.02	73.09	73.98	74.86	75.92	76.73	78.11	79.83	81.62	83.09	88.58	90.29	92.66	98.57	100.79	103.80	105.80	107.41	109.57
750	77.93	78.79	79.64	80.40	82.46	84.33	86.22	87.86	89.97	91.69	98.10	99.98	102.14	104.02	105.99	108.87	111.03	112.92	114.29
800	81.34	82.21	83.23	84.25	85.20	86.48	88.87	92.36	94.85	97.50	103.93	105.90	108.22	110.54	112.61	115.65	118.44	119.88	121.78
850	86.75	87.88	88.82	90.13	91.16	92.20	95.97	97.54	100.83	103.49	110.77	112.82	114.19	117.00	119.16	121.24	124.50	126.48	128.66
900	91.23	92.54	93.65	94.69	95.47	97.10	100.72	101.93	105.83	107.44	114.91	117.18	119.70	122.24	125.66	127.29	129.81	131.71	134.24
950	95.82	97.19	98.38	99.59	100.89	101.93	105.20	106.85	110.30	112.10	121.24	122.58	126.74	127.75	129.65	133.08	135.60	137.78	140.31
1000	100.38	101.43	102.44	104.59	107.10	109.60	112.02	114.35	116.68	119.26	127.20	129.65	132.17	134.43	137.22	139.57	142.10	144.73	147.27

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

VC Series - Volume Control Dampers

Model Spigot Fit
 430 Grade Stainless Steel Blades
 Hand Operated/Extended Spindle

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	34.16	35.22	36.42	36.98	39.05	40.97	42.33	43.46	44.26	45.96	47.53	48.83	50.14	51.27	52.40	54.05	55.68	56.60	57.82
150	39.15	40.27	41.05	42.41	43.44	44.76	45.47	47.26	48.61	50.24	51.27	52.92	54.12	55.42	56.48	58.16	59.80	60.37	61.86
200	43.06	44.24	45.22	46.64	47.37	48.38	50.79	51.53	52.08	53.23	55.59	57.05	58.28	59.33	60.73	62.75	63.74	64.89	66.03
250	46.64	47.11	47.92	48.80	51.20	52.90	54.51	55.08	56.13	58.29	59.66	60.48	62.50	63.55	65.02	66.61	67.84	68.82	70.23
300	50.64	51.92	53.04	54.32	55.19	56.27	57.17	59.91	61.61	62.72	63.97	65.10	67.05	68.36	69.25	70.72	72.53	73.76	75.07
350	55.05	55.80	58.29	58.86	59.91	62.16	62.96	64.02	65.15	67.01	69.10	70.81	71.62	72.91	75.11	76.04	77.20	78.44	79.91
400	61.20	62.41	63.14	64.02	64.75	66.03	67.16	68.85	70.48	72.18	73.89	74.95	76.00	77.72	78.95	80.49	82.14	83.78	85.26
450	66.72	67.74	68.54	69.58	70.54	71.28	72.48	73.23	74.26	76.51	78.78	79.83	81.47	82.60	83.67	86.65	88.45	89.44	90.75
500	69.24	70.06	70.88	71.56	73.37	75.63	76.44	78.95	80.63	82.24	84.54	85.86	87.40	88.78	90.24	93.13	94.70	96.10	97.66
550	73.16	74.51	75.31	76.26	77.31	80.55	82.24	83.36	85.29	86.67	89.02	91.15	92.35	93.90	95.71	98.25	99.46	101.75	103.42
600	79.14	79.91	81.29	82.11	83.34	86.26	87.47	89.60	91.23	93.02	94.64	95.86	98.14	100.43	101.97	104.56	106.44	108.00	109.97
650	85.05	86.26	87.40	88.54	89.52	90.57	92.21	93.42	95.62	97.50	99.21	101.81	104.82	106.53	109.61	111.37	113.42	114.67	116.63
700	90.01	91.37	92.44	93.60	94.88	95.95	97.25	99.77	102.04	103.83	104.97	107.73	110.59	111.58	114.58	117.95	120.23	122.04	124.50
750	92.77	93.83	94.82	95.71	98.14	100.43	102.63	104.57	107.10	109.12	111.49	113.60	116.04	118.26	120.44	123.69	126.16	128.37	129.84
800	97.01	97.91	99.11	100.35	101.39	102.96	105.79	109.94	112.95	116.04	117.59	120.36	122.96	125.57	128.01	131.42	134.60	136.26	138.38
850	103.57	104.63	105.79	107.27	108.59	109.73	114.24	116.15	120.01	123.21	125.91	128.22	129.77	132.97	135.40	137.80	141.52	143.73	146.19
900	108.66	110.14	111.53	112.76	114.09	115.63	119.90	121.39	125.98	127.97	130.58	133.13	136.00	138.88	142.81	144.63	147.51	149.73	152.59
950	114.09	115.73	117.11	118.60	120.16	121.39	125.25	127.22	131.32	133.45	137.80	138.65	144.06	145.20	147.34	151.21	154.08	156.53	159.40
1000	119.50	120.74	121.96	124.50	127.56	130.51	133.38	136.18	138.88	142.00	144.55	147.34	150.21	152.77	155.96	158.59	161.46	164.51	167.38

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

VC Series - Volume Control Dampers

Model Circular Spigot Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

Diameter

100	125	150	160	180	200	225	250	300	315	350	355	400	450	500	560	600	630	650	700
33.33	36.20	39.05	40.23	41.41	43.01	45.14	47.26	53.63	55.86	60.32	60.32	65.08	71.13	78.24	88.30	100.69	104.66	108.59	117.98

Diameter

710	750	762	800	850	900	950	1000
117.98	126.16	126.16	136.47	152.10	161.93	176.02	192.92

Model Circular Spigot Fit
430 Grade Stainless Steel Blades
Hand Operated/Extended Spindle

Diameter

100	125	150	160	180	200	225	250	300	315	350	355	400	450	500	560	600	630	650	700
45.23	47.02	48.80	50.19	52.15	53.77	56.43	59.06	67.04	69.78	75.41	75.41	81.37	88.90	97.78	110.36	125.88	130.80	135.74	147.45

Diameter

710	750	762	800	850	900	950	1000
147.45	157.70	157.70	170.55	190.32	203.32	221.00	242.32

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

VC Series - Volume Control Dampers

Model Flat Oval
Galvanised Steel Blades
Hand Operated/Extended Spindle

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	47.98	49.02	49.66	50.58	51.52	54.12	57.51	59.20	64.58	67.24	74.78	75.78	80.38	83.48	86.20	89.91	100.07	106.94	108.08
150		49.85	50.79	53.20	53.82	57.72	60.99	61.52	67.12	69.04	75.91	79.80	83.28	87.30	89.42	98.26	106.94	109.43	114.61
200			54.46	55.49	56.67	62.28	63.33	66.19	71.77	73.78	79.80	81.60	87.87	90.89	92.65	101.32	109.99	112.26	116.30
250				62.86	63.23	65.54	69.98	73.37	83.09	87.10	97.38	98.72	103.83	109.99	113.92	118.23	122.06	123.06	126.91
300					70.80	73.37	75.17	78.76	87.84	92.28	101.39	107.42	109.77	117.15	123.06	127.24	134.01	141.68	148.01
350						80.13	80.78	81.83	92.08	95.14	105.41	111.66	114.68	121.49	126.09	134.58	140.35	147.22	150.50
400							88.16	91.96	93.77	97.36	107.42	114.45	121.16	125.53	133.34	140.90	147.22	157.82	164.48
450								93.25	95.14	100.44	111.66	121.49	125.76	132.80	139.60	152.08	161.11	164.72	168.99
500									105.28	111.10	121.95	127.98	133.34	137.70	150.68	158.95	163.70	167.74	174.86
550										118.94	132.80	140.08	145.10	150.68	156.70	163.34	168.21	173.74	178.59
600											138.03	145.31	151.80	157.49	161.86	168.21	173.27	177.79	183.66
650												151.80	157.82	162.20	166.66	172.94	177.34	183.88	188.50
700													163.42	166.66	170.67	178.12	183.66	189.29	194.04
750														170.67	175.94	183.88	189.19	193.46	197.07
800															182.42	189.29	194.04	196.74	202.72
850																192.57	197.07	201.93	207.68
900																	202.17	207.48	214.56
999																		215.35	219.66

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



VC Series - Volume Control Dampers

Model Flat Oval
 430 Grade Stainless Steel
 Hand Operated/Extended Spindle

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	59.96	61.27	62.05	63.23	64.41	67.65	71.90	74.00	80.72	84.04	93.48	94.73	100.47	104.36	107.72	112.38	125.08	133.68	135.10
150		62.31	63.49	66.51	67.30	72.16	76.25	76.92	83.90	86.28	94.87	99.76	104.09	109.12	111.78	122.81	133.68	136.80	143.28
200			68.07	69.39	70.81	77.82	79.15	82.72	89.72	92.24	99.76	102.00	109.83	113.60	115.85	126.64	137.49	140.31	145.40
250				76.70	78.54	81.94	87.46	91.70	103.84	108.87	121.69	123.38	129.80	137.49	142.37	147.77	152.59	153.85	158.64
300					88.48	91.70	93.95	98.45	109.80	115.37	126.71	134.27	137.22	146.44	153.83	159.07	167.53	177.10	185.02
350						100.16	100.95	102.28	115.09	118.94	131.76	139.57	143.35	151.87	157.61	168.24	175.42	184.03	188.10
400							110.20	114.96	117.21	121.69	134.27	143.08	151.47	156.89	166.67	176.11	184.03	197.28	205.59
450								116.54	118.94	125.53	139.57	151.87	157.19	165.98	174.50	190.09	201.38	205.89	211.23
500									131.62	138.87	152.42	159.98	166.67	172.15	188.34	198.70	204.60	209.70	218.58
550										148.66	165.98	175.08	181.36	188.34	195.89	204.18	210.25	217.17	223.22
600											172.56	181.65	189.76	196.87	202.32	210.25	216.59	222.23	229.56
650												189.76	197.30	202.73	208.32	216.18	221.68	229.86	235.63
700													204.27	208.32	213.36	222.67	229.56	236.62	242.55
750														213.36	219.93	229.86	236.49	241.84	246.36
800															228.03	236.62	242.55	245.92	253.41
850																240.72	246.36	252.41	259.62
900																	252.69	259.34	268.21
999																		269.19	274.55

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

HD Series - Heavy Duty Dampers

Model Flange Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

Height	Width																							
	149	249	349	449	549	649	749	849	949	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149	2249	2349	2400
149	40.45	40.88	41.29	42.82	45.88	48.93	52.00	57.67	60.87	64.07	65.69	67.29	93.94	100.19	104.89	109.58	114.29	118.99	126.81	131.51	136.08	142.20	149.85	159.03
249	49.24	52.76	56.27	58.03	61.56	63.30	66.84	71.86	73.69	75.54	77.38	79.23	115.23	120.62	126.02	129.63	136.83	144.03	151.23	158.43	163.53	175.84	182.88	211.02
349	56.27	59.79	61.56	63.30	65.06	66.84	68.59	73.69	75.54	77.38	79.23	82.91	118.83	122.43	129.63	133.23	140.43	147.63	154.82	162.03	174.09	181.12	189.91	218.05
449	63.30	66.84	70.35	73.87	75.62	79.12	82.65	88.43	90.28	92.11	93.96	97.65	138.62	147.63	153.02	160.23	167.43	172.83	181.82	189.04	193.43	205.73	223.32	235.63
549	73.87	79.12	82.65	86.15	89.68	93.19	96.73	103.16	106.85	108.69	112.38	117.90	160.23	169.23	178.24	185.43	192.64	199.83	212.43	221.45	226.83	240.91	251.46	265.52
649	82.65	87.93	91.45	94.96	100.24	103.76	107.27	119.75	123.44	127.13	132.63	136.32	183.63	192.64	201.62	210.63	216.04	221.45	235.84	248.46	267.29	279.60	293.66	309.48
749	91.45	96.73	101.99	105.51	112.54	117.82	123.10	132.63	138.16	143.69	151.06	156.60	205.23	217.84	226.83	235.84	248.46	257.44	271.85	284.44	291.91	305.98	320.04	335.87
849	100.24	105.51	112.54	117.82	124.85	130.14	137.17	149.22	156.60	162.12	169.48	175.01	228.63	243.04	252.04	262.85	275.45	286.24	298.85	315.05	321.79	339.37	355.21	374.54
949	110.79	117.82	123.10	128.36	135.40	144.20	151.23	163.97	171.33	180.53	187.90	195.26	252.04	262.85	275.45	288.05	298.85	313.25	327.64	345.65	353.43	372.79	390.37	409.71
1049	119.58	124.85	131.88	142.44	149.47	156.50	163.53	182.38	189.76	200.81	206.32	215.54	273.66	286.24	298.85	313.25	325.85	340.25	356.45	374.46	383.34	402.68	425.55	444.88
1149	128.36	133.64	142.44	151.23	160.02	168.81	179.37	195.26	204.48	215.54	224.75	233.96	297.04	311.45	324.06	340.25	352.87	369.05	385.26	406.88	414.99	437.84	458.94	483.57
1249	137.17	145.96	152.99	161.77	172.34	182.88	191.67	210.01	222.90	232.12	245.01	254.22	316.86	334.85	349.26	363.66	379.87	394.26	415.86	437.47	446.65	469.51	492.36	516.98
1349	145.96	152.99	160.02	172.34	182.88	191.67	203.98	224.75	235.80	248.71	259.75	270.81	338.46	354.65	372.66	387.06	405.07	421.27	442.86	466.27	476.54	501.14	525.77	552.15
1449	152.99	160.02	168.81	181.12	193.43	205.73	216.29	239.48	252.39	263.44	278.17	289.22	358.25	376.26	394.26	412.26	430.27	446.47	469.86	489.67	504.66	531.04	557.41	585.55
1549	160.02	167.06	177.59	189.91	203.98	216.29	226.83	252.39	265.27	280.00	287.38	302.11	379.87	396.07	415.86	437.47	453.68	473.47	496.88	520.28	534.55	560.94	590.83	618.96
1649	165.31	175.84	184.63	196.94	212.76	225.09	240.91	265.27	280.00	294.75	311.33	324.22	399.66	417.66	439.28	459.07	478.88	498.67	522.08	549.09	568.05	593.01	619.86	653.13
1749	175.84	184.63	193.43	207.51	223.32	239.15	253.21	280.00	294.75	311.33	326.07	342.64	419.46	441.06	462.66	482.49	504.08	522.08	547.28	574.29	603.12	631.55	654.89	686.95
1849	181.12	188.17	198.70	216.29	233.86	247.94	265.52	292.92	311.33	326.07	344.49	359.23	441.06	462.66	484.27	505.89	527.48	549.09	576.09	604.90	638.22	666.69	688.47	720.31
1949	195.20	207.51	218.05	235.63	247.94	265.52	281.35	313.16	331.59	348.18	364.74	377.66	464.47	482.49	507.69	531.09	554.50	574.29	603.09	631.89	668.27	701.90	723.65	755.58
2000	211.02	221.57	233.86	249.70	269.04	283.11	298.94	329.75	346.32	362.91	377.66	396.07	482.49	509.49	534.70	568.89	576.09	597.70	628.30	658.90	695.74	729.32	763.65	787.10

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

HD Series - Heavy Duty Dampers

Model Flange Fit
 430 Grade Stainless Steel Blades
 Hand Operated/Extended Spindle

Heigh	Width																							
	149	249	349	449	549	649	749	849	949	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149	2249	2349	2400
149	55.63	60.46	65.28	67.70	72.54	77.38	82.22	91.21	96.25	101.32	103.84	106.39	148.53	158.43	165.85	173.30	180.71	188.12	200.51	207.94	215.19	224.87	236.95	251.47
249	67.70	72.54	77.38	79.79	84.60	87.04	91.89	98.80	101.32	103.84	106.39	108.92	158.43	165.85	173.30	178.25	188.12	198.04	207.94	217.83	224.87	241.78	251.47	290.15
349	77.38	82.22	84.60	87.04	89.46	91.89	94.31	101.33	103.84	106.39	108.92	113.99	163.37	168.32	178.25	183.18	193.08	203.00	212.89	222.78	239.36	249.04	261.14	299.81
449	87.04	91.89	96.72	101.55	103.98	108.80	113.65	121.60	124.11	126.65	129.17	134.25	190.61	203.00	210.41	220.30	230.21	237.64	250.02	259.92	265.96	282.89	307.05	323.99
549	101.55	108.80	113.65	118.48	123.30	128.15	132.98	141.86	146.92	149.45	154.51	162.10	220.30	232.68	245.06	254.98	264.87	274.76	292.09	304.48	311.91	331.24	345.75	365.10
649	113.65	120.91	125.74	130.56	137.81	142.66	147.50	164.65	169.71	174.77	182.37	187.45	252.50	264.87	277.24	289.62	297.04	304.48	324.27	341.61	367.52	384.44	403.78	425.53
749	125.74	132.98	140.23	145.07	154.74	161.99	169.25	182.37	189.98	197.57	207.71	215.30	282.20	299.52	311.91	324.27	341.61	353.97	373.79	391.11	401.37	420.70	440.04	461.80
849	137.81	145.07	154.74	161.99	171.67	178.93	188.58	205.16	215.30	222.91	233.03	240.62	314.38	334.17	346.55	361.42	378.73	393.59	410.91	433.19	442.47	466.65	488.39	515.00
949	152.32	161.99	169.25	176.50	186.19	198.28	207.94	225.43	235.57	248.24	258.36	268.50	346.55	361.42	378.73	396.06	410.91	430.73	450.52	475.29	485.98	512.56	536.75	563.35
1049	164.41	171.67	181.33	195.84	205.51	215.19	224.87	250.76	260.90	276.11	283.70	296.36	376.25	393.59	410.91	430.73	448.04	467.85	490.14	514.88	527.08	553.68	585.12	611.72
1149	176.50	183.76	195.84	207.94	220.02	232.13	246.63	268.50	281.16	296.36	309.03	321.68	408.43	428.23	445.58	467.85	485.16	507.46	529.72	559.43	570.62	602.04	631.04	664.90
1249	188.58	200.69	210.37	222.45	236.95	251.47	263.56	288.77	306.48	319.16	336.89	349.55	435.68	460.41	480.22	500.03	522.31	542.12	571.82	601.53	614.12	645.55	676.99	710.84
1349	200.69	210.37	220.02	236.95	251.47	263.56	280.47	309.03	324.21	341.96	357.16	372.33	465.38	487.64	512.41	532.20	556.96	579.24	608.94	641.11	655.23	689.08	722.92	759.19
1449	210.37	220.02	232.13	249.04	265.96	282.89	297.40	329.28	347.01	362.22	382.48	397.68	492.61	517.35	542.12	566.86	591.60	613.90	646.07	673.32	693.91	730.17	766.45	805.14
1549	220.02	229.69	244.20	261.14	280.47	297.40	311.91	347.01	364.75	385.02	395.14	415.42	522.31	544.60	571.82	601.53	623.79	651.03	683.21	715.37	735.01	771.26	812.39	851.07
1649	227.27	241.78	253.87	270.80	292.55	309.48	331.24	364.75	385.02	405.27	428.06	445.81	549.53	574.29	603.99	631.22	658.47	685.67	717.86	755.00	781.07	815.42	852.28	898.05
1749	241.78	253.87	265.96	285.29	307.05	328.83	348.17	385.02	405.27	428.06	448.32	471.13	576.76	606.47	636.17	663.40	693.11	717.86	752.52	789.64	829.29	868.36	900.48	944.56
1849	249.04	258.71	273.22	297.40	321.57	340.92	365.10	402.74	428.06	448.32	473.67	493.93	606.47	636.17	665.87	695.58	725.28	755.00	792.13	831.73	877.56	916.71	946.64	990.42
1949	268.38	285.29	299.81	323.99	340.92	365.10	386.86	430.61	455.94	478.72	501.52	519.26	638.64	663.40	698.04	730.24	762.42	789.64	829.24	868.87	918.87	965.11	995.01	1038.93
2000	290.15	304.65	321.57	343.32	369.92	389.27	411.03	453.39	476.20	498.99	519.26	544.60	663.40	700.54	735.19	782.23	792.13	821.82	863.91	905.99	956.64	1002.82	1050.03	1082.26

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

HD Series - Heavy Duty Dampers

Model Flange Fit
Aluminium Blades
Hand Operated/Extended Spindle

Height	Width																							
	149	249	349	449	549	649	749	849	949	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149	2249	2349	2400
149	45.29	45.79	46.25	47.95	51.39	54.81	58.24	64.58	68.17	71.76	73.58	75.36	105.21	112.22	117.49	122.73	128.00	133.27	142.02	147.30	152.41	159.28	167.85	178.10
249	55.15	59.09	63.02	65.00	68.94	70.90	74.86	80.49	82.53	84.59	86.66	88.73	129.05	135.10	141.14	145.17	153.25	161.31	169.37	177.43	183.15	196.94	204.83	236.34
349	63.02	66.97	68.94	70.90	72.87	74.86	76.82	82.53	84.59	86.66	88.73	92.86	133.09	137.11	145.17	149.21	157.28	165.34	173.40	181.48	194.98	202.85	212.70	244.21
449	70.90	74.86	78.79	82.73	84.70	88.63	92.57	99.05	101.11	103.16	105.24	109.36	155.25	165.34	171.38	179.46	187.52	193.56	203.64	211.71	216.64	230.42	250.12	263.92
549	82.73	88.63	92.57	96.50	100.44	104.37	108.34	115.54	119.67	121.73	125.87	132.05	179.46	189.54	199.63	207.68	215.76	223.81	237.93	248.02	254.05	269.82	281.63	297.38
649	92.57	98.48	102.41	106.36	112.27	116.21	120.14	134.12	138.26	142.38	148.55	152.68	205.66	215.76	225.83	235.90	241.97	248.02	264.14	278.26	299.36	313.14	328.91	346.62
749	102.41	108.34	114.23	118.16	126.04	131.96	137.88	148.55	154.75	160.93	169.19	175.40	229.86	243.98	254.05	264.14	278.26	288.33	304.47	318.57	326.92	342.69	358.45	376.17
849	112.27	118.16	126.04	131.96	139.83	145.76	153.63	167.13	175.40	181.57	189.82	196.01	256.07	272.21	282.29	294.39	308.51	320.59	334.71	352.86	360.40	380.10	397.84	419.47
949	124.08	131.96	137.88	143.76	151.64	161.50	169.37	183.64	191.89	202.20	210.44	218.69	282.29	294.39	308.51	322.61	334.71	350.83	366.95	387.14	395.84	417.52	437.22	458.87
1049	133.93	139.83	147.71	159.53	167.40	175.28	183.15	204.27	212.53	224.90	231.08	241.40	306.49	320.59	334.71	350.83	364.96	381.08	399.22	419.40	429.34	451.00	476.60	498.26
1149	143.76	149.69	159.53	169.37	179.22	189.07	200.90	218.69	229.03	241.40	251.71	262.03	332.69	348.82	362.95	381.08	395.21	413.34	431.49	455.71	464.79	490.39	514.01	541.59
1249	153.63	163.47	171.35	181.19	193.01	204.83	214.68	235.21	249.65	259.97	274.41	284.73	354.87	375.03	391.18	407.30	425.45	441.57	465.76	489.96	500.24	525.84	551.45	579.02
1349	163.47	171.35	179.22	193.01	204.83	214.68	228.45	251.71	264.10	278.55	290.92	303.31	379.07	397.21	417.37	433.50	453.68	471.83	496.01	522.23	533.72	561.28	588.87	618.40
1449	171.35	179.22	189.07	202.85	216.64	230.42	242.25	268.22	282.67	295.06	311.55	323.94	401.24	421.42	441.57	461.73	481.90	500.04	526.25	548.42	565.22	594.77	624.30	655.81
1549	179.22	187.10	198.91	212.70	228.45	242.25	254.05	282.67	297.11	313.60	321.87	338.36	425.45	443.60	465.76	489.96	508.12	530.30	556.50	582.71	598.70	628.25	661.73	693.23
1649	185.14	196.94	206.78	220.57	238.30	252.09	269.82	297.11	313.60	330.12	348.69	363.12	447.62	467.79	491.98	514.14	536.35	558.52	584.73	614.97	636.21	664.18	694.24	731.50
1749	196.94	206.78	216.64	232.41	250.12	267.84	283.60	313.60	330.12	348.69	365.20	383.75	469.80	493.99	518.19	540.38	564.57	584.73	612.96	643.20	675.49	707.34	733.48	769.39
1849	202.85	210.75	222.55	242.25	261.92	277.69	297.38	328.06	348.69	365.20	385.83	402.32	493.99	518.19	542.37	566.59	590.77	614.97	645.22	677.49	714.80	746.70	771.09	806.75
1949	218.62	232.41	244.21	263.92	277.69	297.38	315.11	350.74	371.39	389.97	408.51	422.97	520.21	540.38	568.61	594.81	621.04	643.20	675.46	707.73	748.47	786.12	810.48	846.24
2000	236.34	248.15	261.92	279.67	301.31	317.08	334.81	369.32	387.89	406.46	422.97	443.60	540.38	570.64	598.85	637.16	645.22	669.42	703.68	737.96	779.22	816.85	855.29	881.55

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

HD Series - Heavy Duty Dampers

Model Spigot Fit
Galvanised Blades
Hand Operated/Extended Spindle

Height	Width																							
	149	249	349	449	549	649	749	849	949	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149	2249	2349	2400
149	50.02	54.35	58.70	60.87	65.22	69.57	73.90	80.09	84.52	88.98	91.21	93.43	130.43	139.13	145.65	152.16	158.69	165.20	176.09	182.61	188.97	197.48	208.07	220.82
249	60.87	65.22	69.57	71.74	76.10	78.27	82.63	86.75	88.98	91.21	93.43	95.64	139.13	145.65	152.16	156.52	165.20	173.93	182.61	191.30	197.48	212.34	220.82	254.80
349	69.57	73.90	76.10	78.27	80.44	82.63	84.77	88.99	91.21	93.43	95.66	100.10	143.48	147.83	156.52	160.87	169.56	178.27	186.94	195.64	210.22	218.70	229.32	263.30
449	78.27	82.63	86.94	91.30	93.48	97.82	102.18	106.79	108.99	111.22	113.45	117.90	167.39	178.27	184.80	193.47	202.18	208.69	219.54	228.26	233.57	248.42	269.66	284.52
549	91.30	97.82	102.18	106.54	110.87	115.22	119.55	124.57	129.01	131.25	135.68	142.37	193.47	204.35	215.22	223.91	232.60	241.29	256.51	267.38	273.92	290.89	303.64	320.62
649	102.18	108.70	113.05	117.41	123.92	128.26	132.61	144.60	149.04	153.47	160.15	164.59	221.72	232.60	243.46	254.33	260.86	267.38	284.78	299.99	322.74	337.60	354.61	373.70
749	113.05	119.55	126.09	130.43	139.12	145.65	152.16	160.15	166.84	173.50	182.42	189.08	247.83	263.04	273.92	284.78	299.99	310.86	328.26	343.46	352.48	369.46	386.43	405.54
849	123.92	130.43	139.13	145.65	154.36	160.87	169.56	180.19	189.08	195.75	204.66	211.31	276.08	293.47	304.35	317.39	332.59	345.65	360.86	380.43	388.55	409.80	428.91	452.26
949	136.96	145.65	152.16	158.70	167.39	178.25	186.94	197.97	206.89	217.99	226.89	235.78	304.35	317.39	332.59	347.81	360.86	378.24	395.65	417.38	426.78	450.13	471.38	494.72
1049	147.83	154.36	163.03	176.09	184.80	193.48	202.18	220.23	229.11	242.47	249.13	260.26	330.45	345.65	360.86	378.24	393.47	410.85	430.42	452.17	462.88	486.23	513.85	537.19
1149	158.69	165.20	176.09	186.94	197.81	208.69	221.72	235.78	246.92	260.26	271.37	282.51	358.69	376.07	391.28	410.85	426.07	445.64	465.20	491.28	501.10	528.69	554.20	583.91
1249	169.56	180.44	189.13	200.00	213.04	226.09	236.94	253.58	269.15	280.28	295.84	306.98	382.60	404.34	421.72	439.12	458.67	476.07	502.15	528.25	539.31	566.91	594.52	624.26
1349	180.44	189.13	197.81	213.04	226.09	236.94	252.19	271.37	284.73	300.29	313.63	326.98	408.69	428.26	450.00	467.36	489.10	508.68	534.76	563.02	575.41	605.12	634.85	666.71
1449	189.13	197.81	208.69	223.92	239.13	254.33	267.38	289.16	304.74	318.09	335.89	349.25	432.59	454.34	476.07	497.82	519.55	539.12	567.36	591.27	609.38	641.24	673.09	707.05
1549	197.81	206.52	219.55	234.78	252.19	267.38	280.43	304.74	320.31	338.09	347.02	364.79	458.67	478.24	502.15	528.25	547.81	571.72	599.99	628.25	645.48	677.31	713.44	747.39
1649	204.35	217.39	228.27	243.46	263.04	278.26	297.81	320.31	338.09	355.91	375.91	391.50	482.60	504.33	530.43	554.33	578.23	602.15	630.42	663.03	685.91	716.05	748.47	788.65
1749	217.39	228.27	239.13	256.51	276.07	295.65	313.04	338.09	355.91	375.91	393.72	413.72	506.51	532.59	558.67	582.58	608.66	630.42	660.84	693.45	728.26	762.58	790.78	829.50
1849	223.92	232.59	245.63	267.38	289.11	306.52	328.26	353.67	375.91	393.72	415.96	433.75	532.59	558.67	584.77	610.85	636.93	663.03	695.62	730.40	770.66	805.03	831.32	869.77
1949	241.28	256.51	269.56	291.30	306.52	328.26	347.81	378.13	400.40	420.41	440.42	456.00	560.86	584.26	613.01	641.28	669.54	693.45	728.23	763.01	806.95	847.53	873.82	912.37
2000	260.86	273.92	289.11	308.68	332.59	350.00	369.55	398.18	418.19	438.20	456.00	478.24	582.58	615.19	645.63	686.94	695.62	721.73	758.66	795.62	840.10	880.65	922.11	950.44

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

HD Series - Heavy Duty Dampers

Model Spigot Fit
430 Grade Stainless Steel Blades
Hand Operated/Extended Spindle

Height	Width																							
	149	249	349	449	549	649	749	849	949	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149	2249	2349	2400
149	63.96	69.51	75.08	77.88	83.42	88.99	94.53	104.87	110.68	116.51	119.42	122.34	170.80	182.21	190.74	199.28	207.81	216.36	230.58	239.14	247.47	258.60	272.49	289.16
249	77.88	83.42	88.99	91.76	97.32	100.10	105.64	113.60	116.51	119.42	122.34	125.25	182.21	190.74	199.28	204.97	216.36	227.74	239.14	250.52	258.60	278.03	289.16	333.66
349	88.99	94.53	97.32	100.10	102.90	105.64	108.44	116.51	119.42	122.34	125.25	131.08	187.89	193.59	204.97	210.65	222.03	233.43	244.82	256.19	275.28	286.41	300.28	344.78
449	100.10	105.64	111.22	116.78	119.56	125.13	130.68	139.84	142.74	145.65	148.57	154.40	219.19	233.43	241.98	253.35	264.75	273.30	287.52	298.92	305.85	325.32	353.12	372.60
549	116.78	125.13	130.68	136.25	141.81	147.37	152.94	163.13	168.97	171.86	177.68	186.43	253.35	267.59	281.84	293.23	304.61	315.99	335.90	350.16	358.69	380.92	397.60	419.86
649	130.68	139.03	144.58	150.16	158.50	164.07	169.62	189.34	195.17	200.98	209.73	215.55	290.37	304.61	318.83	333.06	341.61	350.16	372.91	392.86	422.65	442.10	464.34	489.36
749	144.58	152.94	161.27	166.83	177.95	186.30	194.65	209.73	218.46	227.21	238.86	247.60	324.52	344.45	358.69	372.91	392.86	407.08	429.84	449.79	461.55	483.79	506.05	531.09
849	158.50	166.83	177.95	186.30	197.41	205.76	216.88	235.94	248.12	256.34	267.99	276.72	361.54	384.31	398.54	415.63	435.54	452.63	472.56	498.17	508.82	536.62	561.65	592.25
949	175.19	186.30	194.65	202.97	214.08	228.00	239.14	259.26	270.90	285.47	297.12	308.77	398.54	415.63	435.54	455.47	472.56	495.33	518.10	546.57	558.88	589.47	617.28	647.86
1049	189.08	197.41	208.55	225.22	236.34	247.47	258.60	288.38	300.03	317.51	326.25	340.82	432.68	452.63	472.56	495.33	515.25	538.02	563.64	592.12	606.16	636.74	672.87	703.48
1149	202.97	211.33	225.22	239.14	253.02	266.94	283.61	308.77	323.32	340.82	355.38	369.95	469.72	492.49	512.41	538.02	557.95	583.56	609.19	643.35	656.18	692.34	725.70	764.62
1249	216.88	230.78	241.90	255.81	272.49	289.16	303.08	332.07	352.48	367.03	387.40	401.97	501.02	529.48	552.26	575.03	600.64	623.41	657.58	691.75	706.23	742.38	778.53	817.45
1349	230.78	241.90	253.02	272.49	289.16	303.08	322.55	355.38	372.86	393.23	410.73	428.21	535.17	560.80	589.26	612.04	640.49	666.12	700.27	737.30	753.50	792.44	831.37	873.08
1449	241.90	253.02	266.94	286.41	305.85	325.32	342.00	378.68	399.06	416.53	439.86	457.32	566.48	594.96	623.41	651.89	680.37	705.98	742.98	774.29	797.99	839.70	881.42	925.89
1549	253.02	264.14	280.83	300.28	322.55	342.00	358.69	399.06	419.46	442.78	454.41	477.70	600.64	626.28	657.58	691.75	717.36	748.68	785.68	822.70	845.27	887.00	934.25	978.74
1649	261.37	278.03	291.95	311.43	336.46	355.90	380.92	419.46	442.78	466.07	492.27	512.67	631.96	660.44	694.60	725.90	757.22	788.53	825.53	868.23	898.23	937.71	980.12	1032.76
1749	278.03	291.95	305.85	328.09	353.12	378.15	400.39	442.78	466.07	492.27	515.58	541.80	663.28	697.43	731.59	762.91	797.08	825.53	865.38	908.09	953.68	998.63	1035.57	1086.23
1849	286.41	297.52	314.19	342.00	369.80	392.04	419.86	463.15	492.27	515.58	544.71	568.01	697.43	731.59	765.75	799.92	834.08	868.23	910.95	956.49	1009.18	1054.21	1088.63	1139.00
1949	308.64	328.09	344.78	372.60	392.04	419.86	444.89	495.19	524.33	550.53	576.75	597.13	734.44	762.91	802.78	839.77	876.76	908.09	953.62	999.18	1056.72	1109.86	1144.26	1194.77
2000	333.66	350.34	369.80	394.84	425.41	447.65	472.67	521.41	547.62	573.84	597.13	626.28	762.91	805.62	845.48	899.55	910.95	945.11	993.49	1041.87	1100.14	1153.25	1207.52	1244.60

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

HD Series - Heavy Duty Dampers

Model Spigot Fit
Aluminium Blades
Hand Operated/Extended Spindle

Height	Width																							
	149	249	349	449	549	649	749	849	949	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149	2249	2349	2400
149	56.01	60.86	65.75	68.17	73.04	77.93	82.77	89.70	94.67	99.65	102.16	104.66	146.08	155.83	163.13	170.42	177.74	185.04	197.22	204.53	211.64	221.17	233.04	247.32
249	68.17	73.04	77.93	80.36	85.22	87.66	92.54	97.17	99.65	102.16	104.66	107.12	155.83	163.13	170.42	175.29	185.04	194.79	204.53	214.26	221.17	237.81	247.32	285.39
349	77.93	82.77	85.22	87.66	90.10	92.54	94.94	99.67	102.16	104.66	107.14	112.10	160.70	165.57	175.29	180.17	189.90	199.66	209.37	219.13	235.45	244.94	256.83	294.88
449	87.66	92.54	97.38	102.26	104.70	109.55	114.44	119.59	122.06	124.56	127.07	132.05	187.48	199.66	206.97	216.68	226.44	233.73	245.90	255.64	261.60	278.24	302.02	318.67
549	102.26	109.55	114.44	119.32	124.18	129.05	133.90	139.52	144.49	146.99	151.96	159.45	216.68	228.86	241.05	250.78	260.51	270.24	287.29	299.47	306.79	325.80	340.07	359.10
649	114.44	121.73	126.61	131.50	138.78	143.66	148.51	161.95	166.92	171.89	179.37	184.35	248.33	260.51	272.69	284.85	292.17	299.47	318.97	335.98	361.47	378.10	397.16	418.55
749	126.61	133.90	141.22	146.08	155.82	163.13	170.42	179.37	186.86	194.32	204.32	211.78	277.57	294.61	306.79	318.97	335.98	348.17	367.64	384.69	394.76	413.78	432.81	454.21
849	138.78	146.08	155.83	163.13	172.88	180.17	189.90	201.81	211.78	219.23	229.21	236.66	309.20	328.68	340.86	355.48	372.51	387.12	404.15	426.08	435.18	458.97	480.37	506.54
949	153.39	163.13	170.42	177.75	187.48	199.64	209.37	221.72	231.71	244.15	254.11	264.07	340.86	355.48	372.51	389.54	404.15	423.62	443.11	467.48	477.98	504.14	527.95	554.08
1049	165.57	172.88	182.60	197.22	206.97	216.70	226.44	246.66	256.61	271.55	279.02	291.50	370.09	387.12	404.15	423.62	440.70	460.16	482.08	506.43	518.42	544.59	575.50	601.64
1149	177.74	185.04	197.22	209.37	221.55	233.73	248.33	264.07	276.54	291.50	303.94	316.40	401.73	421.20	438.25	460.16	477.19	499.11	521.03	550.23	561.23	592.14	620.69	653.98
1249	189.90	202.08	211.84	224.00	238.61	253.21	265.38	284.01	301.45	313.91	331.33	343.81	428.50	452.86	472.32	491.82	513.72	533.20	562.41	591.62	604.02	634.95	665.86	699.17
1349	202.08	211.84	221.55	238.61	253.21	265.38	282.45	303.94	318.91	336.33	351.27	366.22	457.72	479.66	503.99	523.43	547.80	569.72	598.94	630.59	644.46	677.75	711.04	746.71
1449	211.84	221.55	233.73	250.79	267.83	284.85	299.47	323.88	341.31	356.27	376.20	391.16	484.49	508.87	533.20	557.55	581.89	603.81	635.45	662.23	682.50	718.19	753.86	791.90
1549	221.55	231.31	245.91	262.95	282.45	299.47	314.07	341.31	358.74	378.67	388.66	408.57	513.72	535.64	562.41	591.62	613.55	640.33	671.98	703.63	722.92	758.60	799.04	837.06
1649	228.86	243.48	255.67	272.69	294.61	311.65	333.55	358.74	378.67	398.62	421.02	438.46	540.51	564.84	594.08	620.85	647.61	674.40	706.07	742.59	768.23	801.99	838.28	883.29
1749	243.48	255.67	267.83	287.29	309.19	331.14	350.59	378.67	398.62	421.02	440.97	463.37	567.29	596.50	625.71	652.49	681.71	706.07	740.14	776.66	815.65	854.09	885.68	929.03
1849	250.79	260.50	275.11	299.47	323.80	343.30	367.64	396.12	421.02	440.97	465.87	485.80	596.50	625.71	654.94	684.16	713.36	742.59	779.10	818.06	863.14	901.64	931.07	974.15
1949	270.23	287.29	301.90	326.26	343.30	367.64	389.54	423.52	448.44	470.86	493.27	510.72	628.17	654.37	686.57	718.24	749.88	776.66	815.62	854.58	903.79	949.23	978.66	1021.84
2000	292.17	306.79	323.80	345.73	372.51	392.00	413.90	445.95	468.37	490.79	510.72	535.64	652.49	689.02	723.10	769.37	779.10	808.33	849.69	891.09	940.93	986.33	1032.75	1064.49

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



HD Series - Heavy Duty Dampers

Circular Spigot Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

100	150	200	250	300	355	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
55.41	64.58	72.26	77.99	84.30	92.00	101.17	112.29	125.76	134.32	145.46	158.11	172.59	180.18	185.80	196.15	215.79	223.10	275.02	275.02	314.80	314.80	356.08	356.08	485.11	485.11	539.29

Circular Spigot Fit
430 Grade Stainless Steel Blades
Hand Operated/Extended Spindle

100	150	200	250	300	355	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
67.59	83.04	94.62	102.87	110.39	120.16	132.46	146.48	164.66	177.24	190.51	205.95	226.10	232.63	243.31	256.86	282.85	292.19	360.10	360.10	412.28	412.28	466.27	466.27	635.25	635.25	706.10

Circular Spigot Fit
Aluminium Blades
Hand Operated/Extended Spindle

100	150	200	250	300	355	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
62.06	72.34	80.93	87.35	94.41	103.05	113.31	125.77	140.85	150.43	162.92	177.08	193.30	201.81	208.08	219.69	241.69	249.87	308.01	308.01	352.58	352.58	398.80	398.80	543.32	543.32	604.01

Ancillaries:

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BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



HD-LL Series - Low Leakage Dampers

Model Flange Fit
 Aluminium Blades
 Hand Operated/Extended Spindle

Height	Width									
	149	249	349	449	549	649	749	849	949	1000
149	69.78	75.85	81.90	84.94	90.99	97.07	103.13	109.45	115.26	124.38
249	84.94	90.99	97.07	100.12	106.18	109.21	115.26	118.32	121.33	127.40
349	97.07	103.13	106.18	109.21	112.25	115.26	118.32	121.33	124.38	130.44
449	109.21	115.26	121.33	127.40	130.44	136.52	142.57	145.61	148.64	154.71
549	127.40	136.52	142.57	148.64	154.71	160.77	166.85	169.86	175.94	185.05
649	142.57	149.31	157.73	163.80	172.91	178.97	185.05	197.17	203.25	218.39
749	157.73	166.85	175.94	182.00	194.14	203.25	212.34	218.39	227.51	248.74
849	172.91	182.00	194.14	203.25	215.37	224.46	236.60	245.70	257.84	279.06
949	191.11	203.25	212.34	221.45	233.58	248.74	260.87	269.98	282.10	309.39
1000	206.25	215.37	227.51	245.70	257.84	270.04	282.10	300.32	312.45	339.73

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



HD-LL Series - Low Leakage Dampers

Model Spigot Fit
Aluminium Blades
Hand Operated/Extended Spindle

Height	Width									
	149	249	349	449	549	649	749	849	949	1000
149	80.23	87.24	93.84	97.68	104.67	111.62	118.61	125.59	132.56	143.04
249	97.68	104.67	111.62	115.13	122.11	125.59	132.56	136.06	139.53	146.49
349	111.62	118.61	122.11	125.59	129.07	132.56	136.07	139.53	143.04	150.01
449	125.59	132.56	139.53	146.49	150.01	156.98	163.95	167.44	170.94	177.92
549	146.49	156.98	163.95	170.94	177.92	184.88	191.86	195.35	202.32	212.79
649	163.95	174.41	181.39	188.39	198.85	205.84	212.79	226.75	233.73	251.15
749	181.39	191.86	202.32	209.31	223.26	233.73	244.17	251.15	261.63	286.05
849	198.85	209.31	223.26	233.73	247.67	258.13	272.11	282.56	296.51	320.93
949	219.77	233.73	244.18	254.66	268.61	286.05	300.00	310.47	324.41	355.82
1000	237.21	247.67	261.63	281.38	296.51	310.53	324.41	345.35	359.29	390.69

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



HD-LL Series - Low Leakage Dampers

Circular Spigot Fit
 Aluminium Blades
 Hand Operated/Extended Spindle

Diameter

100	150	200	250	300	355	400	450	500	550	610	650	700	750	800	850	900	950	1000
82.62	97.45	112.29	120.76	141.94	152.53	165.24	182.20	199.14	211.86	230.92	247.88	271.17	290.23	313.54	338.97	364.37	394.02	413.10

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

SS Series - Slimseal Volume Control Dampers

Flange Fit
 Aluminium Blades
 Hand Operated/Extended Spindle

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	41.35	42.10	42.92	43.42	45.45	46.86	48.10	49.35	49.86	51.75	53.90	55.22	56.57	57.75	58.97	60.63	61.99	63.23	64.48
150	49.98	50.64	51.13	52.36	53.11	53.79	54.37	56.26	57.65	59.31	60.85	62.69	63.90	65.25	66.38	68.12	69.90	70.65	72.03
200	52.00	52.83	53.09	55.54	55.96	56.83	59.27	59.92	60.67	61.80	65.03	66.68	68.24	69.19	70.62	73.10	74.16	77.72	78.94
250	55.22	55.60	56.49	57.40	60.18	61.48	63.16	63.99	65.04	67.46	69.72	70.54	72.91	74.15	75.86	79.88	81.39	82.63	83.87
300	67.44	69.36	70.83	72.72	74.03	74.50	75.67	79.37	81.82	83.13	85.45	87.35	89.97	91.73	92.73	97.62	99.84	101.31	103.23
350	70.34	71.72	75.15	76.17	77.59	80.81	82.05	83.44	85.22	87.70	90.30	92.80	94.02	98.13	100.06	102.45	103.94	105.72	107.76
400	76.02	77.98	79.16	80.76	81.99	83.89	85.60	87.84	90.11	92.31	95.00	96.25	98.04	105.16	106.67	109.13	111.21	113.14	115.25
450	81.49	83.28	84.72	86.49	88.09	89.32	91.09	92.45	93.74	96.80	99.67	101.76	103.86	110.24	112.33	115.67	117.75	119.56	121.37
500	91.24	93.09	94.94	96.45	99.54	108.11	109.73	113.64	116.18	118.85	122.03	124.40	126.60	128.94	130.97	135.24	137.84	139.87	142.32
550	95.23	97.52	104.70	106.51	108.50	113.34	116.23	117.97	120.93	123.30	126.66	129.88	131.80	134.54	137.38	140.66	143.74	146.17	148.32
600	108.98	111.09	113.67	115.25	117.73	122.00	124.22	127.60	130.27	132.86	135.37	137.44	140.63	144.11	146.42	150.17	152.90	155.36	158.22
650	112.89	115.46	118.09	120.40	122.62	125.01	127.33	129.58	133.07	135.98	138.68	142.53	146.88	149.54	152.30	156.71	159.47	161.67	164.67
700	116.31	119.33	122.22	124.69	127.28	129.19	131.86	135.56	139.38	142.03	144.07	148.34	152.32	154.11	158.03	163.06	166.45	169.48	172.97
750	126.11	129.48	132.13	134.70	138.85	143.01	146.98	150.44	154.53	158.03	162.05	165.29	169.27	172.74	174.36	175.94	185.31	188.78	190.95
800	130.92	134.27	137.47	140.63	143.27	146.37	151.24	157.61	162.32	167.34	170.38	174.38	178.67	182.75	186.58	191.81	196.62	199.48	202.91
850	137.18	141.08	144.41	147.78	150.82	153.72	160.78	164.02	169.95	175.16	179.39	183.29	185.84	190.22	193.87	198.63	204.13	210.33	211.44
900	142.39	146.54	150.09	153.51	156.47	159.39	166.44	169.17	176.40	179.83	184.23	188.13	192.71	197.14	201.38	206.06	210.54	216.40	218.26
950	155.59	160.28	164.35	168.40	171.63	177.79	181.62	185.30	192.21	195.89	203.01	205.78	213.44	215.38	219.29	225.46	230.19	237.04	238.88
1000	160.73	164.92	168.94	174.64	179.90	185.52	190.41	195.63	200.44	205.81	210.15	214.83	219.67	224.21	229.16	233.80	238.23	240.40	247.64

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



BD Series - Backdraught Dampers

Models Flange Fit & Frame Fit
Aluminium Blades

Height	Width										
	100	150	200	250	300	350	400	450	500	550	600
100	32.05	33.05	34.04	34.74	36.62	38.02	41.15	42.41	43.04	44.81	46.83
150	36.71	37.71	38.51	39.79	40.70	41.48	44.29	46.04	47.42	48.98	50.44
200	40.40	41.29	41.68	43.77	44.27	45.05	49.50	50.12	50.87	51.89	54.68
250	43.77	44.16	44.95	45.76	48.04	49.13	53.04	53.78	54.70	56.79	58.70
300	47.43	48.72	49.71	51.01	51.91	52.20	55.64	58.36	60.13	61.09	63.73
350	51.50	52.29	54.59	55.19	58.30	62.05	62.33	63.98	66.98	69.97	72.97
400	60.28	61.43	62.07	63.01	63.74	65.51	68.85	72.20	75.54	78.87	82.22
450	62.46	66.68	67.42	68.46	69.37	73.04	76.72	80.42	84.09	87.78	91.48
500	68.28	69.00	69.85	72.53	76.56	80.60	84.60	88.64	92.65	96.68	100.71
550	72.16	73.20	75.04	79.39	83.76	88.13	92.48	96.87	101.22	105.57	109.94
600	77.93	78.77	80.06	86.26	90.96	95.66	101.99	105.06	109.79	114.49	119.19
650	83.87	84.84	88.06	93.10	98.16	103.21	108.25	113.29	118.33	123.39	128.43
700	88.66	89.84	94.58	99.96	105.37	110.41	116.14	121.51	126.91	132.30	137.66
750	91.30	95.37	101.10	106.83	112.55	118.29	124.01	129.74	135.46	141.19	146.90
800	95.48	101.54	107.63	113.69	119.75	125.83	131.88	137.95	144.02	150.08	156.17
850	107.87	110.99	114.13	120.56	126.96	133.36	139.77	146.17	152.58	159.00	165.41
900	110.43	113.89	120.65	127.39	134.14	140.90	147.64	154.40	161.15	167.89	174.65
950	113.00	120.07	127.17	134.25	141.36	148.43	155.53	162.61	169.70	176.80	183.73
1000	118.83	126.26	133.69	141.11	148.53	155.97	163.40	170.84	178.27	185.70	193.13

For sizes over 600mm wide, please refer to our Sales Office for pricing

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



BD Series - Backdraught Dampers

Model Spigot Fit
Aluminium Blades

Height	Width										
	100	150	200	250	300	350	400	450	500	550	600
100	35.25	36.35	37.43	38.22	40.29	41.83	45.27	46.65	47.35	49.28	51.52
150	40.39	41.49	42.36	43.77	44.77	45.64	48.71	50.65	52.16	53.87	55.48
200	44.44	45.43	45.84	48.15	48.70	49.56	54.44	55.13	55.94	57.08	60.14
250	48.15	48.58	49.45	50.32	52.83	54.04	58.34	59.14	60.18	62.46	64.56
300	52.19	53.60	54.69	56.12	57.09	57.42	61.21	64.19	66.14	67.17	70.12
350	56.65	57.52	60.06	60.72	64.14	65.03	70.40	72.01	73.67	76.98	80.26
400	66.31	67.56	68.28	69.33	70.13	72.05	75.73	79.41	83.08	86.75	90.45
450	68.71	73.34	74.17	75.31	76.29	80.34	84.40	88.46	92.50	96.56	100.61
500	75.11	75.91	76.82	79.79	84.21	88.66	93.06	97.51	101.93	106.33	110.79
550	79.36	80.53	82.54	87.34	92.11	96.94	101.71	106.55	111.34	116.14	120.94
600	85.72	86.65	88.06	94.89	100.06	105.23	112.21	115.58	120.76	125.93	131.12
650	92.26	93.32	96.88	102.41	107.96	113.52	119.07	124.61	130.17	135.72	141.27
700	97.52	98.80	104.04	109.97	115.90	121.46	127.73	133.67	139.59	145.53	151.43
750	100.44	104.90	111.21	117.51	123.81	130.11	136.40	142.71	149.00	155.30	161.61
800	105.04	111.71	118.39	125.05	131.72	138.40	145.08	151.74	158.42	165.09	171.78
850	118.65	122.10	125.55	132.61	139.65	146.69	153.74	160.78	167.84	174.90	181.95
900	121.47	125.28	132.70	140.14	147.58	155.08	162.41	169.83	177.27	184.77	192.10
950	124.30	132.07	139.88	147.69	155.49	163.27	171.08	178.88	186.66	194.46	202.08
1000	130.71	138.87	147.06	155.21	163.40	171.56	179.73	187.93	196.08	204.29	212.43

For sizes over 600mm wide, please refer to our Sales Office for pricing

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



BD Series - Backdraught Dampers

Model Circular Spigot Fit
Aluminium Blades

Diameter

100	150	200	250	300	355	400	450	500	550	600	650	700	750	800	850	900	950	1000
38.46	45.26	50.01	54.90	62.29	69.95	82.61	96.51	111.19	126.69	143.02	258.00	275.98	310.01	329.70	365.42	381.94	406.54	445.65

For sizes over 600mm diameter, please refer to our Sales Office for pricing



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type A (Blades partially in airstream)

Galvanised Steel Blades

Pattress Fit (PF) & Cleats (CL) Installation Method

**For CL installation method, fixing lugs will be required
at £7.80 each (2 off per damper)**

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	23.14	23.78	24.75	25.89	26.78	27.27	27.75	28.87	29.20	30.65	31.22	33.29	33.78	35.04	36.44	39.56	40.16	42.96	43.38	51.19	55.23
150	23.78	24.75	25.55	26.37	27.41	27.75	28.87	29.20	29.61	30.90	32.51	33.78	35.04	35.61	36.87	39.83	42.96	43.88	45.83	53.46	56.59
200	24.75	26.37	26.78	27.59	28.55	28.87	29.20	29.61	30.01	31.22	33.00	34.86	35.44	36.52	38.31	40.33	44.06	44.98	46.69	54.23	58.81
250	25.73	27.09	27.75	28.24	28.87	29.76	30.49	31.06	31.39	32.27	34.22	35.77	36.68	38.17	39.99	41.35	44.48	45.32	46.85	56.59	60.16
300	27.09	27.41	28.24	28.72	29.36	30.65	31.39	32.09	32.83	33.74	34.78	36.68	37.43	39.08	43.13	44.48	44.81	46.33	47.78	57.44	61.60
350	27.41	27.75	28.72	29.36	30.49	32.68	33.00	33.48	34.06	34.78	37.28	38.92	41.39	43.47	45.17	45.83	46.19	46.69	48.64	59.74	62.95
400	27.75	28.72	28.87	30.33	32.02	33.00	33.48	34.37	35.19	37.13	39.62	42.72	44.39	45.46	47.44	48.97	50.32	50.85	52.45	61.95	66.93
450	28.72	29.93	30.65	31.22	33.33	34.06	34.37	35.67	37.13	39.31	41.17	44.14	46.54	47.12	48.97	51.01	53.29	55.50	56.43	64.05	70.31
500	30.16	30.65	32.02	33.74	34.78	34.93	35.67	36.71	38.66	41.17	43.11	46.21	47.69	48.95	51.19	52.45	54.32	58.13	61.10	74.56	79.89
550	30.90	32.02	33.74	34.22	36.18	36.52	37.43	40.16	41.57	44.14	46.70	48.85	49.86	51.10	53.46	58.47	59.82	61.60	64.32	75.66	82.62
600	31.88	32.68	34.06	35.19	36.52	37.43	38.34	40.75	42.16	45.62	47.46	49.50	51.10	52.25	55.01	62.44	63.30	66.44	67.43	78.71	87.94
650	32.83	34.06	35.67	35.99	37.84	38.49	39.08	42.16	44.55	49.50	49.69	50.93	52.25	53.90	59.82	64.98	65.42	69.31	72.44	87.61	93.71
700	33.89	34.93	36.57	36.71	38.34	39.25	41.57	43.65	45.62	50.76	51.51	52.25	53.49	56.82	61.77	65.76	67.43	70.58	73.79	89.97	99.72
750	34.78	39.48	40.85	41.17	43.47	43.79	44.79	45.62	47.12	52.41	53.08	55.15	56.48	59.37	63.30	67.29	69.74	71.19	76.59	95.49	103.97
800	35.51	40.11	41.17	42.30	43.79	44.79	45.79	47.12	48.68	53.08	55.15	56.65	59.11	61.02	66.84	69.47	73.79	74.56	79.04	98.79	106.84
850	39.48	42.45	44.09	44.56	46.54	47.46	48.36	48.95	50.93	55.47	59.87	61.02	65.42	66.25	70.58	73.04	77.88	78.47	81.44	102.68	109.73
900	40.59	43.11	44.72	45.46	47.46	48.36	49.35	52.25	54.40	58.62	61.19	65.58	69.57	71.54	74.72	77.53	79.04	80.15	82.19	106.84	114.21
950	41.89	44.72	46.35	47.24	48.68	49.69	51.25	54.25	55.47	61.02	65.76	68.15	71.96	73.03	77.69	79.89	82.00	82.19	84.65	109.73	117.08
1000	43.11	46.19	47.24	47.72	49.35	51.10	52.07	55.15	59.87	63.93	67.90	71.21	73.20	75.02	81.08	82.19	84.04	85.76	87.34	114.21	121.23

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type A (Blades partially in airstream)
 430 Grade Stainless Steel Blades
 Pattress Fit (PF) & Cleats (CL) Installation Method

**For CL installation method, fixing lugs will be required
 at £7.80 each (2 off per damper)**

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	26.14	26.61	27.02	27.52	28.17	29.42	31.86	32.43	33.28	34.22	36.61	38.63	39.97	41.23	44.66	46.64	47.46	48.68	50.24	63.80	66.67
150	26.61	27.20	27.68	27.85	29.33	30.92	32.76	33.86	34.96	35.74	37.73	39.80	41.40	44.01	46.58	47.66	49.22	50.89	53.20	68.43	70.39
200	27.02	27.52	28.34	29.15	30.62	31.99	33.86	35.57	36.34	37.43	38.88	41.40	44.18	46.16	48.60	50.34	52.08	53.20	55.60	70.83	74.53
250	27.92	29.00	29.47	30.62	31.86	32.88	34.63	36.94	37.62	39.15	40.62	44.01	45.97	47.49	50.04	51.08	53.56	55.60	57.80	74.53	78.23
300	29.33	29.89	30.62	31.86	32.82	34.54	36.08	38.11	39.15	40.75	43.85	45.61	47.12	48.11	50.42	52.74	55.06	57.17	59.75	77.22	82.10
350	30.16	30.92	32.16	33.13	34.54	34.86	38.72	41.01	41.77	44.40	47.96	49.46	51.24	53.83	56.64	59.02	61.69	63.73	65.03	81.83	87.18
400	31.86	32.99	34.13	35.58	39.31	39.89	40.84	41.77	44.56	46.60	48.47	53.83	55.81	57.31	60.30	62.52	63.37	65.20	68.62	88.67	91.61
450	33.12	34.13	35.58	39.31	42.11	43.46	44.56	45.67	46.77	48.90	52.41	55.36	56.96	60.56	63.14	65.75	67.60	70.65	71.48	90.41	95.04
500	34.13	35.58	39.31	42.11	43.82	44.91	45.24	46.77	48.90	50.94	54.51	57.51	59.75	62.07	65.32	68.06	70.65	72.39	75.55	96.51	102.14
550	36.50	39.31	41.17	43.82	46.16	48.25	49.45	50.58	52.32	54.23	57.15	58.94	61.89	64.30	67.26	70.28	73.51	74.72	81.28	106.76	113.68
600	41.50	42.37	45.07	46.38	49.26	50.70	52.05	53.49	55.81	58.04	59.56	61.35	64.30	66.80	70.01	73.13	75.18	77.30	83.68	110.74	116.10
650	42.37	43.33	45.41	47.25	50.45	52.05	53.84	56.77	58.57	60.10	61.35	63.85	66.98	68.42	73.03	76.38	79.61	83.86	87.56	114.62	121.71
700	43.33	45.07	46.38	49.26	51.24	53.49	55.17	58.04	60.28	61.17	63.85	66.61	70.64	71.00	76.87	80.63	82.93	88.37	89.39	117.46	123.38
750	45.07	46.38	48.32	50.06	53.49	55.17	57.31	59.56	62.50	63.68	66.98	70.47	73.14	75.40	78.87	83.86	86.35	89.76	91.61	119.78	124.39
800	46.56	48.12	49.52	52.25	55.81	57.31	59.56	62.23	64.66	66.80	70.47	73.59	75.93	78.70	82.19	87.72	89.96	91.43	95.76	121.71	130.22
850	48.59	50.51	52.72	55.03	57.84	60.11	63.37	65.81	67.60	71.84	73.82	76.45	77.80	82.22	87.56	89.39	91.43	93.28	98.07	125.88	131.60
900	52.72	54.84	56.51	58.72	61.73	65.07	65.81	67.60	69.86	73.65	76.26	81.59	84.04	86.73	90.88	91.99	94.30	96.51	99.92	127.44	133.16
950	56.51	58.28	59.69	60.65	63.72	66.51	67.24	70.04	72.02	76.26	81.79	84.21	86.36	87.56	93.55	95.31	97.35	101.21	104.45	133.92	138.53
1000	59.69	60.30	60.48	62.23	66.51	67.87	70.04	71.84	76.28	81.95	84.04	85.83	89.53	92.15	95.96	98.35	101.40	104.07	108.79	139.28	145.83

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type B (Blades out of airstream)
Galvanised Steel Blades
Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required at £7.80 each (2 off per damper)

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	23.14	23.78	24.75	25.89	26.78	27.27	27.75	28.87	29.20	30.65	31.22	33.29	33.78	35.04	36.44	39.56	40.16	42.96	43.38	51.19	55.23
150	23.78	24.75	25.55	26.37	27.41	27.75	28.87	29.20	29.61	30.90	32.51	33.78	35.04	35.61	36.87	39.83	42.96	43.88	45.83	53.46	56.59
200	24.75	26.37	26.78	27.59	28.55	28.87	29.20	29.61	30.01	31.22	33.00	34.86	35.44	36.52	38.31	40.33	44.06	44.98	46.69	54.23	58.81
250	25.73	27.09	27.75	28.24	28.87	29.76	30.49	31.06	31.39	32.27	34.22	35.77	36.68	38.17	39.99	41.35	44.48	45.32	46.85	56.59	60.16
300	27.09	27.75	29.05	29.76	30.90	31.39	33.00	33.74	34.37	36.96	37.44	39.75	40.16	42.16	44.81	45.83	46.69	48.05	48.64	59.98	64.22
350	27.75	28.72	29.76	30.90	32.02	33.74	34.22	35.19	36.96	37.44	39.48	43.65	44.30	46.36	48.56	49.66	50.65	52.88	54.13	63.37	67.29
400	28.72	30.16	30.49	32.02	33.33	34.37	35.34	40.28	41.89	42.95	44.40	46.54	47.69	49.86	52.45	53.62	54.74	56.94	58.13	67.69	71.94
450	30.33	31.70	32.02	34.78	36.71	39.48	41.01	42.95	44.09	44.23	45.46	51.25	52.90	54.75	57.53	58.30	59.65	61.77	64.66	73.96	81.60
500	31.70	34.22	35.34	37.28	39.48	41.17	43.11	44.40	45.61	48.53	51.19	52.90	54.08	56.22	58.30	61.77	64.48	68.55	72.87	82.96	91.32
550	34.37	36.57	37.61	39.31	42.39	43.47	45.46	46.54	49.40	51.10	53.08	53.49	55.15	56.65	61.60	64.66	68.97	73.20	74.56	88.12	97.60
600	36.71	38.66	39.79	41.17	43.31	44.30	45.95	47.69	50.59	52.58	54.75	56.82	57.47	60.37	64.82	70.58	72.87	77.19	81.67	94.13	108.88
650	38.82	41.01	42.30	42.78	44.79	45.95	47.46	49.35	52.07	53.08	56.06	58.30	60.37	64.26	70.75	72.10	76.75	81.67	83.38	98.87	114.38
700	41.01	42.95	44.40	44.72	46.36	47.46	48.53	51.67	53.08	54.75	57.15	60.37	63.35	68.15	72.27	76.93	80.75	82.52	86.16	104.30	118.79
750	42.63	44.40	46.58	47.72	49.50	50.76	51.51	53.08	54.97	56.06	60.21	62.60	67.39	71.05	76.59	78.71	82.36	85.92	90.24	107.94	125.64
800	43.26	45.46	47.39	48.70	51.10	52.07	52.74	54.57	56.48	56.97	62.26	65.90	69.31	73.03	78.30	82.19	85.58	90.07	93.37	113.11	129.12
850	44.56	46.58	48.86	49.90	52.58	53.26	54.75	56.82	59.37	62.02	65.42	69.14	72.54	78.50	86.16	88.03	91.69	93.79	96.18	114.05	131.15
900	45.61	48.70	50.30	51.34	53.08	54.57	55.81	58.97	61.02	65.58	68.81	72.28	75.93	82.31	88.21	90.24	93.79	95.83	98.46	116.24	135.05
950	48.36	49.90	51.34	51.85	54.57	55.15	56.65	61.02	63.93	70.63	71.54	75.18	79.82	85.70	90.41	91.69	96.34	98.46	100.83	119.30	138.96
1000	49.90	51.34	52.25	53.13	55.47	56.48	58.30	62.26	67.00	72.70	75.02	78.90	83.64	87.61	92.09	94.72	98.98	101.24	104.30	123.02	143.18

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type B (Blades out of airstream)
 430 Grade Stainless Steel Blades
 Pattress Fit (PF) & Cleats (CL) Installation Method

**For CL installation method, fixing lugs will be required
 at £7.80 each (2 off per damper)**

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	26.14	26.61	27.02	27.52	28.17	29.42	31.86	32.43	33.28	34.22	36.61	38.63	39.97	41.23	44.66	46.64	47.46	48.68	50.24	63.80	66.67
150	26.61	27.20	27.68	27.85	29.33	30.92	32.76	33.86	34.96	35.74	37.73	39.80	41.40	44.01	46.58	47.66	49.22	50.89	53.20	68.43	70.39
200	27.02	27.52	28.34	29.15	30.62	31.99	33.86	35.57	36.34	37.43	38.88	41.40	44.18	46.16	48.60	50.34	52.08	53.20	55.60	70.83	74.53
250	27.92	29.00	29.47	30.62	31.86	32.88	34.63	36.94	37.62	39.15	40.62	44.01	45.97	47.49	50.04	51.08	53.56	55.60	57.80	74.53	78.23
300	30.13	30.62	31.52	32.57	36.50	40.24	42.92	44.99	46.83	49.07	51.46	55.81	56.96	60.73	65.32	67.60	71.30	75.37	78.60	100.94	109.44
350	33.58	34.94	35.66	36.88	40.08	43.71	44.99	46.83	48.80	50.54	53.54	58.04	59.56	63.14	66.98	71.48	74.53	78.23	80.06	102.61	110.92
400	36.28	36.69	38.34	40.08	40.84	44.99	47.17	48.46	49.85	51.74	54.51	59.38	62.96	65.19	70.83	74.98	78.23	83.86	87.35	112.86	123.95
450	37.98	39.54	41.96	44.04	45.96	47.84	48.64	49.59	50.54	53.39	56.69	63.14	65.19	69.04	74.31	80.90	85.53	87.56	89.76	115.81	125.60
500	40.24	42.23	44.04	45.59	47.67	49.85	50.19	52.44	53.55	59.02	61.84	66.45	69.22	71.54	80.16	84.49	86.90	89.21	92.80	118.59	125.88
550	42.42	43.88	46.23	47.69	52.36	52.98	53.51	55.28	61.13	64.58	69.04	72.79	75.40	78.34	83.36	86.72	89.39	92.26	94.84	120.53	126.90
600	44.30	46.64	48.12	50.48	54.19	55.97	56.96	60.56	63.32	68.59	71.72	75.56	78.87	81.84	85.92	89.39	91.99	94.47	97.53	123.66	130.03
650	48.32	49.72	51.64	52.94	55.97	59.38	61.35	65.46	68.59	71.18	74.66	78.87	82.00	84.15	88.59	91.80	94.30	97.70	100.11	127.26	133.16
700	50.48	52.05	53.37	54.81	60.28	63.85	65.01	69.22	71.36	73.59	76.91	81.47	84.96	86.57	90.78	94.67	97.53	100.66	102.98	130.22	137.32
750	52.59	54.33	55.98	59.56	62.96	66.45	67.42	71.54	75.12	77.91	81.19	83.79	88.35	88.71	93.42	97.70	100.48	102.78	104.64	130.77	138.06
800	54.08	57.22	59.75	61.84	65.46	69.04	71.18	73.95	78.07	80.49	83.79	85.58	90.67	92.28	96.99	100.66	103.26	104.45	107.67	134.65	140.93
850	58.28	60.48	62.60	65.67	67.87	73.29	74.65	77.62	81.23	84.93	87.19	89.71	94.78	95.67	100.11	102.42	104.64	107.32	110.36	139.28	144.72
900	62.07	64.08	65.85	68.07	71.30	74.65	77.80	81.95	84.75	87.35	89.71	93.14	96.13	97.93	102.78	104.82	107.50	110.18	114.05	144.72	150.26
950	64.53	66.29	68.59	70.36	73.65	78.07	82.94	84.57	86.02	89.71	92.15	94.94	99.10	99.44	104.64	107.32	110.54	114.42	116.73	147.30	154.69
1000	66.90	68.41	70.36	72.10	76.09	81.41	84.21	87.72	89.53	91.97	95.31	97.66	101.55	102.26	107.12	110.18	114.05	117.66	120.70	152.92	161.32

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type C (Blades out of airstream)

Galvanised Steel Blades

Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required

at £7.80 each (2 off per damper)

Diameter

100	125	150	160	180	200	224	250	280	300	315	355	400	450	500	550	600	630	650	700	750	800
32.44	33.11	33.80	34.31	34.66	35.09	35.83	36.45	37.28	38.05	39.32	42.15	45.16	48.10	56.23	64.19	73.89	75.92	79.40	88.93	98.55	105.68

Diameter

850	900	950	1000	1100	1200	1250	1300	1400
128.89	139.36	145.00	154.30	326.99	455.19	595.17	673.06	750.93

Type C (Blades out of airstream)

430 Grade Stainless Steel Blades

Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required

at £7.80 each (2 off per damper)

Diameter

100	125	150	160	180	200	224	250	280	300	315	355	400	450	500	550	600	630	650	700	750	800
33.79	34.75	35.02	35.54	35.97	36.38	37.79	39.31	43.63	46.45	48.20	54.26	61.30	64.32	78.76	94.93	106.14	111.46	116.73	125.62	131.30	143.52

Diameter

850	900	950	1000	1100	1200	1250	1300	1400
152.85	160.43	170.85	180.40	364.11	549.64	714.23	807.60	900.96

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type O (Blades out of airstream)

Galvanised Steel Blades

Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required

at £7.80 each (2 off per damper)

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	41.92	42.95	43.69	44.40	45.33	45.76	46.37	48.24	52.60	59.03	59.96	65.09	67.22	69.57	74.78	78.46	81.19	84.34	87.93	103.13	120.19
150	0.00	43.69	44.40	45.33	45.76	46.37	48.03	48.76	53.32	59.24	62.45	66.07	68.72	73.07	75.65	81.19	84.78	87.15	92.04	109.21	126.38
200	0.00	0.00	45.33	46.37	47.61	48.24	48.76	49.38	53.74	59.96	63.29	67.22	72.87	74.98	78.59	86.07	90.53	94.65	99.88	117.60	134.32
250	0.00	0.00	0.00	47.10	48.24	49.59	50.82	51.66	56.32	62.03	65.86	68.93	75.42	78.48	82.15	90.11	97.05	99.22	102.25	124.44	142.69
300	0.00	0.00	0.00	0.00	49.18	51.25	52.38	53.52	59.03	64.74	66.72	70.73	76.80	80.28	88.45	97.05	97.80	101.17	104.20	127.16	150.09
350	0.00	0.00	0.00	0.00	0.00	54.46	54.87	56.13	60.99	66.72	71.79	74.98	85.17	89.22	92.91	99.88	100.64	101.83	105.84	128.56	151.27
400	0.00	0.00	0.00	0.00	0.00	0.00	55.82	57.36	63.08	71.38	76.25	82.21	91.12	93.66	97.58	106.93	109.77	110.95	114.54	131.06	152.37
450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.46	66.51	75.43	79.35	84.97	95.58	96.75	100.64	111.60	116.27	120.94	123.13	143.11	163.01
500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.50	76.46	82.99	88.89	97.81	100.67	105.19	114.54	118.68	126.71	133.23	162.46	191.69
550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.34	89.95	94.10	102.38	104.92	109.77	127.81	130.41	134.42	140.18	164.96	193.55
600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.34	95.37	106.85	107.28	112.91	136.07	138.24	144.85	147.16	171.50	195.94
650	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.13	107.28	110.56	122.70	141.82	142.57	151.17	158.02	190.72	219.63
700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.91	116.63	126.71	143.57	147.16	153.98	161.06	192.47	224.09
750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.82	130.07	146.60	151.92	155.28	167.03	200.29	228.32
800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.62	151.69	161.06	167.03	183.11	201.70	229.85
850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	159.31	169.98	175.40	188.33	203.85	238.74
900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.24	178.98	192.24	207.14	244.18
950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.55	196.58	213.10	249.51
1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.11	217.56	256.13

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type O (Blades out of airstream)
 430 Grade Stainless Steel
 Pattress Fit (PF) & Cleats (CL) Installation Method

**For CL installation method, fixing lugs will be required
 at £7.80 each (2 off per damper)**

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	43.69	44.50	45.04	45.98	46.82	49.15	52.23	53.81	58.68	61.10	64.85	67.40	71.34	74.18	78.36	81.80	91.04	97.25	98.26	116.08	133.92
150	0.00	45.23	46.19	46.59	48.90	52.42	55.49	55.92	61.10	62.81	65.83	70.90	73.96	77.56	81.27	89.36	97.25	99.50	103.68	121.16	138.65
200	0.00	0.00	47.03	48.71	51.52	56.54	57.63	60.14	65.23	67.12	69.24	72.55	77.99	80.74	84.28	92.06	99.95	101.98	105.71	129.74	145.76
250	0.00	0.00	0.00	50.79	55.82	59.62	63.65	66.72	75.48	79.19	84.51	87.60	92.31	97.78	103.50	107.53	111.01	111.92	115.42	131.76	152.08
300	0.00	0.00	0.00	0.00	60.02	63.86	68.41	71.57	79.91	83.94	88.04	95.37	97.55	104.10	111.90	115.64	121.83	128.82	134.58	161.89	189.29
350	0.00	0.00	0.00	0.00	0.00	69.46	71.46	74.42	83.72	86.47	91.55	99.18	101.91	107.93	114.58	122.28	127.59	133.80	136.83	173.39	209.93
400	0.00	0.00	0.00	0.00	0.00	0.00	75.05	76.86	85.30	88.48	93.14	101.70	107.71	111.53	121.16	128.04	133.80	143.50	149.47	181.62	213.77
450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.76	86.47	91.34	96.88	107.93	111.74	117.98	126.87	138.18	146.55	149.71	153.65	184.10	214.69
500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.87	100.95	105.86	113.71	118.40	122.35	136.93	144.41	148.79	152.53	158.95	188.40	217.71
550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.72	117.98	124.54	128.90	133.82	142.41	148.60	152.97	157.96	162.33	189.76	221.89
600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122.67	129.13	134.89	139.83	147.20	152.97	157.49	161.65	166.96	193.94	224.61
650	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.89	140.25	144.09	151.59	157.27	161.20	167.20	171.34	199.68	236.81
700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.16	148.14	155.26	161.89	166.96	172.05	176.44	204.54	258.35
750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	151.74	159.95	167.20	171.81	175.86	179.14	208.01	265.45
800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.88	172.05	176.44	178.93	184.22	211.41	276.96
850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.08	179.14	183.55	188.84	218.41	288.91
900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.77	188.62	195.05	227.07	295.79
950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.74	199.68	231.94	299.63
1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	206.67	239.63	303.69

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type A (Blades partially in airstream)

Galvanised Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	43.06	43.65	44.75	45.94	48.66	49.24	49.76	54.61	55.04	58.43	58.95	61.72	66.16	67.46	71.71	74.98	77.40	80.33	80.78	92.62	100.35
150	43.65	44.75	45.52	46.46	49.43	49.76	50.96	56.89	57.23	61.99	62.17	66.21	67.46	70.08	73.94	77.05	80.33	81.40	83.37	94.93	101.75
200	44.75	47.66	46.79	49.59	50.61	50.96	51.30	57.23	59.62	62.75	64.62	67.29	67.91	70.93	81.53	87.08	81.58	82.58	84.33	95.82	104.09
250	45.69	47.13	47.90	50.19	50.96	51.89	52.64	58.78	61.04	63.85	65.90	68.26	69.20	72.68	77.23	78.64	81.93	82.92	84.51	98.31	105.53
300	47.13	47.56	48.33	50.78	53.40	54.69	55.45	59.86	64.46	65.40	66.50	69.20	70.00	73.64	80.51	81.93	82.30	83.90	85.40	99.17	107.03
350	47.56	47.90	48.91	51.47	54.52	56.83	57.16	61.40	65.74	66.50	69.12	71.55	74.16	78.24	82.74	83.37	83.71	84.33	93.60	101.59	108.44
400	47.90	48.91	49.08	52.49	56.14	57.16	59.52	62.33	66.91	68.96	71.59	75.55	79.29	80.33	85.05	86.64	88.07	88.61	92.34	103.93	114.94
450	48.91	50.10	50.96	53.40	57.48	58.26	60.38	63.62	68.96	71.16	73.22	77.02	81.47	82.08	86.64	88.88	91.18	95.53	96.45	109.88	118.51
500	55.96	56.57	58.00	59.70	60.88	61.04	65.56	68.54	70.58	73.22	75.23	81.12	82.68	84.08	91.00	92.34	96.26	100.26	105.32	121.44	133.36
550	56.71	58.00	59.70	60.21	62.87	63.22	68.00	72.84	74.34	77.02	81.64	83.99	86.86	88.08	93.41	98.65	102.04	103.93	108.71	122.58	136.20
600	63.44	64.29	65.74	66.91	69.02	70.00	72.84	75.39	76.86	80.51	82.50	84.01	90.07	91.21	96.98	106.76	107.73	111.03	112.00	127.93	141.70
650	64.45	66.12	68.71	67.77	70.42	71.13	73.99	76.86	79.46	84.59	86.59	87.89	91.28	93.03	104.00	109.51	109.88	114.05	117.34	137.27	147.76
700	65.56	66.75	68.37	68.54	70.93	71.91	76.33	78.42	80.51	85.89	88.61	91.21	92.51	99.89	106.13	110.22	114.05	117.34	120.71	141.98	156.57
750	68.44	73.28	74.73	75.07	78.24	78.59	81.47	82.41	83.99	89.46	90.24	94.24	97.66	102.60	109.70	113.78	116.36	117.88	125.52	147.76	163.33
800	69.12	73.96	75.07	76.25	78.59	79.64	82.60	83.99	87.56	92.15	96.24	97.81	102.42	104.33	111.47	116.18	120.71	123.30	128.01	153.38	166.35
850	73.28	76.43	78.12	78.64	81.47	82.50	85.29	85.89	89.90	94.69	101.21	102.42	108.94	111.81	117.34	119.84	126.86	127.47	132.56	157.38	171.70
900	76.34	78.98	80.67	81.36	84.33	85.29	86.25	91.28	93.54	97.99	102.60	107.20	115.20	117.27	123.58	126.40	130.05	131.12	135.32	163.97	178.81
950	77.71	80.67	82.38	83.31	85.64	86.58	90.24	93.36	94.69	100.42	107.38	111.81	117.79	118.86	127.30	129.00	135.12	135.32	137.89	169.21	181.85
1000	78.98	82.20	83.31	83.81	88.16	90.07	91.04	94.24	101.21	105.48	111.63	115.01	120.93	122.84	130.25	133.36	137.27	139.14	146.45	173.92	186.12

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type A (Blades partially in airstream)

430 Grade Stainless Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	46.38	46.90	47.24	47.83	50.33	51.93	53.39	57.80	58.68	61.54	63.49	66.26	71.54	72.79	78.97	81.28	84.14	85.24	86.90	104.17	110.65
150	46.90	47.39	48.01	48.18	51.60	53.48	54.42	61.19	62.39	65.07	66.64	71.36	72.98	77.54	82.80	84.09	86.39	87.56	89.76	108.79	114.33
200	47.24	47.83	48.61	51.45	52.99	54.61	55.47	62.91	64.14	68.70	69.71	72.98	75.73	79.68	84.92	86.90	88.67	89.76	92.26	111.20	118.48
250	48.18	49.38	49.90	52.99	54.27	55.47	56.34	64.30	66.98	70.45	71.45	75.56	77.54	81.02	86.30	87.72	90.14	92.26	94.47	114.80	122.19
300	49.73	50.24	51.11	54.27	57.19	59.19	59.71	65.60	70.45	72.08	74.69	77.17	78.70	81.72	88.59	89.39	91.61	93.74	98.17	117.57	126.07
350	50.72	51.58	52.87	55.74	59.19	59.54	62.39	68.54	73.12	75.81	78.78	81.02	82.79	87.38	92.88	95.68	98.27	100.39	101.59	122.19	131.14
400	51.58	52.87	53.82	57.20	63.01	63.62	66.37	69.23	75.97	78.05	79.31	85.42	89.43	90.94	96.65	99.18	99.92	101.75	107.32	129.01	138.06
450	52.87	53.82	55.31	61.10	65.85	67.25	70.18	73.30	78.24	80.40	83.25	86.92	90.50	94.17	99.47	102.42	104.28	109.35	110.18	133.08	141.48
500	59.54	61.01	64.82	67.68	69.41	70.52	74.78	78.24	80.40	82.46	85.35	91.14	93.28	95.68	103.68	106.65	111.36	113.13	118.38	141.39	153.39
550	62.06	64.82	66.82	69.41	72.37	74.59	79.75	82.84	84.60	86.56	90.67	92.56	97.39	99.72	105.52	108.98	114.24	115.44	124.03	151.63	164.93
600	71.62	73.18	75.90	77.21	80.85	82.26	85.50	87.45	89.43	91.57	93.09	96.75	101.68	104.26	110.36	115.90	117.94	120.63	126.53	157.82	167.53
650	73.18	74.16	76.34	78.09	82.00	83.62	87.38	90.31	92.10	93.63	96.75	99.35	104.50	105.87	115.40	119.13	122.36	126.69	130.29	161.70	172.97
700	74.16	75.90	77.21	80.10	82.79	85.05	88.71	91.57	93.81	96.49	99.35	104.10	108.01	112.40	119.23	123.48	127.71	133.28	134.18	166.80	177.22
750	77.82	79.13	81.14	82.91	87.02	88.71	92.81	94.97	97.93	99.17	102.47	107.85	112.59	116.80	123.26	128.73	131.14	134.73	138.43	169.19	180.64
800	79.31	80.87	82.27	85.00	89.43	90.94	94.97	97.74	102.12	104.26	109.90	113.04	117.33	120.10	126.56	132.53	134.84	138.27	142.50	173.15	186.36
850	81.64	83.67	85.77	88.16	91.80	93.95	99.10	101.63	105.42	109.67	113.64	116.24	119.57	126.00	132.34	134.18	138.27	140.10	146.92	177.40	189.32
900	87.62	89.82	91.51	93.62	97.46	100.81	101.63	105.42	107.68	111.46	116.06	121.39	127.78	130.58	137.60	138.81	143.15	145.36	150.81	181.20	194.20
950	91.51	93.27	94.68	95.56	99.44	102.26	105.22	107.85	109.83	114.08	121.57	126.00	130.25	135.20	140.28	142.13	148.23	152.10	155.32	189.86	199.56
1000	94.68	95.20	95.39	97.15	104.23	105.59	107.85	109.67	116.06	121.75	125.81	127.62	135.28	137.90	142.69	147.22	152.28	154.95	159.67	195.31	206.95

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type B (Blades out of airstream)

Galvanised Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	43.06	43.65	44.75	45.94	48.66	49.24	49.76	54.61	55.04	58.43	58.95	61.72	66.16	67.46	71.71	74.98	77.40	80.33	80.78	92.62	100.35
150	43.65	44.75	45.52	46.46	49.43	49.76	50.96	56.89	57.23	61.99	62.17	66.21	67.46	70.08	73.94	77.05	80.33	81.40	83.37	94.93	101.75
200	44.75	47.66	46.79	49.59	50.61	50.96	51.30	57.23	59.62	62.75	64.62	67.29	67.91	70.93	81.53	87.08	81.58	82.58	84.33	95.82	104.09
250	45.69	47.13	47.90	50.19	50.96	51.89	52.64	58.78	61.04	63.85	65.90	68.26	69.20	72.68	77.23	78.64	81.93	82.92	84.51	98.31	105.53
300	47.21	48.47	49.76	50.90	53.90	54.40	56.06	60.40	64.81	67.48	67.97	71.04	71.47	75.40	80.74	81.76	82.73	84.13	84.66	99.92	107.68
350	47.84	47.99	48.98	51.99	55.07	56.83	57.32	61.90	67.48	67.97	70.05	75.06	75.73	79.75	84.66	85.79	86.74	89.10	90.42	103.41	110.84
400	48.47	49.47	49.81	53.23	56.40	57.48	60.23	67.24	72.56	73.64	75.13	78.04	81.10	83.34	88.67	89.79	90.94	93.19	96.44	107.86	117.99
450	49.65	51.05	51.39	56.06	59.88	62.73	66.04	69.97	74.80	74.96	76.23	82.91	86.49	88.44	93.89	94.61	96.00	100.18	103.15	116.51	127.86
500	56.47	59.06	60.23	62.23	64.48	66.22	71.98	75.13	76.39	79.38	82.14	86.49	87.68	89.98	96.61	100.18	104.88	109.09	115.46	127.86	142.59
550	59.22	61.48	62.64	64.31	68.07	69.17	75.06	78.04	80.93	82.73	86.73	87.07	90.56	92.11	100.01	103.15	109.51	113.88	117.20	133.09	149.04
600	67.24	69.22	70.39	71.82	74.71	75.90	79.40	81.10	84.09	86.14	88.44	92.29	94.91	97.92	105.25	113.09	115.46	119.89	124.52	141.47	160.57
650	69.39	71.65	72.98	73.47	76.24	77.43	80.93	82.82	85.63	86.73	91.58	93.82	97.92	101.91	113.36	114.66	119.55	124.52	126.29	146.34	166.34
700	71.65	73.64	75.13	75.46	77.88	78.99	81.96	85.29	86.73	88.44	92.71	97.92	100.97	109.68	114.92	119.72	125.50	127.41	131.09	154.03	173.22
750	75.13	76.98	79.21	80.46	82.99	84.25	86.90	88.52	90.41	91.58	95.86	100.13	107.03	112.66	121.30	123.40	127.23	130.90	137.20	157.78	182.49
800	75.90	78.05	80.06	81.39	84.59	85.63	88.18	90.06	93.82	94.41	101.73	105.50	110.96	114.71	123.05	126.98	130.56	137.02	140.43	165.11	186.14
850	77.15	79.21	81.56	82.64	86.14	86.90	90.23	92.29	96.80	99.61	104.98	108.83	114.19	122.20	131.09	133.00	138.66	140.77	145.20	166.17	190.51
900	79.97	83.22	84.87	85.88	88.52	90.06	91.33	96.46	98.51	103.29	108.48	112.05	119.57	126.22	135.09	137.20	142.76	144.86	149.49	170.51	196.86
950	82.79	84.39	85.88	86.48	90.06	90.56	94.00	98.51	101.49	108.48	111.29	117.00	123.59	129.64	137.36	138.66	147.40	149.49	152.03	175.75	200.79
1000	84.39	85.88	86.81	87.80	92.88	93.82	95.78	99.79	106.61	112.48	116.83	120.76	129.38	133.47	139.01	143.73	150.01	152.37	155.50	179.68	205.16

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type B (Blades out of airstream)

430 Grade Stainless Steel

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	46.38	46.90	47.24	47.83	50.33	51.93	53.39	57.80	58.68	61.54	63.49	66.26	71.54	72.79	78.97	81.28	84.14	85.24	86.90	104.17	110.65
150	46.90	47.39	48.01	48.18	51.60	53.48	54.42	61.19	62.39	65.07	66.64	71.36	72.98	77.54	82.80	84.09	86.39	87.56	89.76	108.79	114.33
200	47.24	47.83	48.61	51.45	52.99	54.61	55.47	62.91	64.14	68.70	69.71	72.98	75.73	79.68	84.92	86.90	88.67	89.76	92.26	111.20	118.48
250	48.18	49.38	49.90	52.99	54.27	55.47	56.34	64.30	66.98	70.45	71.45	75.56	77.54	81.02	86.30	87.72	90.14	92.26	94.47	114.80	122.19
300	50.50	51.11	51.95	54.94	61.03	63.17	65.85	71.73	77.37	79.60	82.27	87.38	88.52	94.35	101.65	104.28	107.88	112.01	115.25	141.29	153.39
350	52.61	54.00	54.79	57.90	63.01	66.62	67.94	73.47	79.35	81.09	84.36	89.60	90.82	96.67	103.30	108.05	111.09	114.80	116.73	142.96	154.87
400	55.31	55.74	57.46	61.10	63.77	67.94	71.92	75.12	80.40	82.28	85.35	90.94	96.49	98.81	105.14	111.56	114.80	120.53	125.96	153.03	170.29
450	57.02	58.59	61.10	65.07	68.89	70.89	73.39	76.33	81.09	83.95	87.53	94.71	98.81	102.56	110.53	117.46	122.19	126.15	128.46	158.37	171.95
500	65.07	66.98	68.81	70.37	72.44	73.57	78.84	82.99	84.12	89.55	92.67	99.96	102.75	105.18	118.40	123.21	127.63	129.95	135.57	163.37	175.54
550	67.15	68.63	70.96	72.44	77.78	78.32	82.84	86.56	92.40	95.86	102.56	104.53	110.80	113.73	121.61	125.40	130.12	131.23	137.60	165.30	178.15
600	76.69	77.47	78.98	81.32	85.77	87.56	90.50	94.17	96.86	102.22	105.33	110.97	116.34	119.19	126.29	132.15	134.84	137.25	140.28	170.77	181.28
650	79.13	80.71	82.45	83.77	87.56	90.94	94.88	99.08	102.22	104.73	110.16	114.30	119.48	121.62	130.95	134.65	137.04	140.46	142.96	174.36	184.42
700	81.32	82.91	84.20	85.35	91.84	95.42	98.53	102.75	104.89	107.15	112.33	118.84	122.35	127.97	133.14	137.42	142.31	145.45	147.86	179.52	191.17
750	85.35	87.08	87.96	92.33	96.49	99.96	102.84	107.04	110.52	113.40	116.69	121.26	127.77	130.11	137.80	142.50	145.26	147.59	151.46	180.08	194.20
800	86.82	89.96	92.51	94.60	99.08	102.56	106.68	109.37	115.54	117.96	123.23	125.03	132.17	133.78	141.47	145.45	148.14	151.27	154.51	186.10	197.17
850	91.41	93.54	95.64	98.73	101.70	107.15	110.39	113.35	119.04	122.75	126.99	129.51	136.55	139.63	144.99	147.22	151.46	154.04	159.21	190.80	203.36
900	96.97	100.69	100.86	102.97	107.04	110.39	113.54	119.78	122.55	125.09	129.51	132.94	139.99	141.78	149.60	151.63	156.34	158.92	164.93	198.46	211.40
950	99.53	101.19	103.49	105.33	109.47	113.80	120.76	122.39	123.82	127.54	131.94	136.73	142.96	143.32	151.27	154.04	161.44	165.30	167.61	203.36	215.74
1000	101.81	103.32	105.33	107.11	113.80	119.20	122.01	125.55	129.33	131.78	137.08	139.53	147.20	148.01	153.86	158.92	164.93	168.55	171.58	208.88	222.37

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type C (Blades out of airstream)

Galvanised Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Diameter

100	125	150	160	180	200	224	250	280	300	315	355	400	450	500	550	600	630	650	700	750	800
50.11	50.82	51.47	51.99	52.43	52.70	53.97	55.89	57.02	59.33	62.72	66.30	69.23	77.73	90.15	99.24	111.44	115.39	119.18	131.10	145.15	155.65

Diameter

850	900	950	1000	1100	1200	1250	1300	1400
180.12	195.25	203.21	212.97	425.16	565.20	694.40	759.80	825.22

Type C (Blades out of airstream)

430 Grade Stainless Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Diameter

100	125	150	160	180	200	224	250	280	300	315	355	400	450	500	550	600	630	650	700	750	800
51.64	52.28	52.93	53.60	53.88	54.29	56.44	60.62	65.53	67.83	73.08	79.50	85.98	90.98	105.40	121.61	134.75	141.16	146.82	157.42	166.70	177.32

Diameter

850	900	950	1000	1100	1200	1250	1300	1400
191.05	202.37	214.39	223.49	425.16	606.52	833.31	911.78	990.26

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type O (Blades out of airstream)

Galvanised Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	64.74	65.86	66.51	67.23	70.44	70.96	71.59	78.00	82.37	91.08	91.92	96.75	104.72	107.05	115.42	119.54	124.32	127.46	131.06	154.76	175.40
150	0.00	66.51	67.23	68.16	70.96	71.77	73.26	80.71	85.38	93.55	96.79	102.60	108.85	112.79	118.88	124.44	128.02	130.41	135.09	159.86	181.70
200	0.00	0.00	68.16	71.59	72.72	73.44	73.85	81.33	88.06	96.57	100.01	104.72	110.33	114.71	121.71	129.12	133.76	137.80	143.11	168.33	189.63
250	0.00	0.00	0.00	72.22	73.44	74.80	75.93	83.72	90.55	98.55	102.47	106.31	112.79	118.21	125.30	138.01	140.18	142.34	145.41	175.08	198.00
300	0.00	0.00	0.00	0.00	76.66	78.73	79.88	85.58	95.53	101.24	103.31	108.23	114.28	120.12	131.61	140.18	140.84	144.20	147.36	177.90	205.40
350	0.00	0.00	0.00	0.00	0.00	81.95	82.37	88.06	97.60	103.31	108.42	112.35	122.76	129.04	136.07	143.11	143.77	144.85	149.09	179.19	206.58
400	0.00	0.00	0.00	0.00	0.00	0.00	85.58	89.42	99.69	107.99	112.76	119.69	130.95	133.48	140.61	150.39	152.37	153.98	159.95	186.37	214.31
450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.49	103.11	112.04	115.87	122.45	135.29	136.57	143.77	154.86	159.31	166.60	168.66	198.32	222.88
500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.12	113.07	119.60	128.82	137.63	140.50	150.61	159.95	166.60	174.66	183.44	222.35	251.57
550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.83	126.91	133.90	144.44	146.97	155.28	173.23	178.33	182.35	190.49	224.84	258.00
600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131.16	137.42	149.42	151.77	160.86	186.37	188.53	195.28	197.45	231.47	260.47
650	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.30	151.77	155.05	173.00	192.13	192.77	201.48	208.23	250.70	261.14
700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154.32	165.79	177.02	193.87	199.83	206.80	213.66	261.57	288.53
750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.88	182.78	199.40	204.64	214.09	222.13	269.39	301.98
800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.22	204.32	213.66	217.78	227.34	270.81	303.49
850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	212.01	224.95	226.26	234.95	272.98	312.55
900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	229.85	232.22	239.18	280.81	322.54
950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239.18	244.41	286.78	327.86
1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.70	291.35	334.47

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD Series - Fire Dampers

Type O (Blades out of airstream)

430 Grade Stainless Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																				
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200
100	66.72	67.65	68.17	69.00	72.26	74.85	77.91	84.15	89.00	93.66	97.83	101.15	109.78	112.63	120.28	131.99	135.83	142.03	143.04	168.76	191.31
150	0.00	68.39	69.21	69.75	74.35	78.11	81.09	88.48	93.66	97.58	101.16	109.37	112.39	118.40	125.76	135.05	142.03	144.16	148.60	173.74	195.96
200	0.00	0.00	70.17	74.14	76.96	82.23	83.31	92.81	100.21	104.45	106.82	111.09	116.67	121.59	128.66	136.83	144.85	146.78	150.37	175.19	215.92
250	0.00	0.00	0.00	78.33	81.26	85.30	89.33	99.26	110.46	116.49	122.17	126.18	130.87	138.73	147.88	152.29	155.68	156.70	160.20	184.44	229.11
300	0.00	0.00	0.00	0.00	87.65	91.87	96.31	104.23	117.23	121.25	125.67	133.82	136.12	144.96	156.27	160.53	166.73	173.62	179.37	214.56	246.72
350	0.00	0.00	0.00	0.00	0.00	97.36	99.47	106.98	121.04	123.68	129.20	137.74	140.49	148.89	159.05	167.20	172.50	178.68	181.52	225.95	267.36
400	0.00	0.00	0.00	0.00	0.00	0.00	105.28	109.62	122.63	125.81	130.71	140.25	148.56	152.50	165.65	172.94	178.59	188.40	196.74	234.32	271.20
450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.43	123.68	128.64	134.53	146.47	152.72	158.94	171.34	183.10	191.31	196.96	201.01	242.55	276.84
500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.07	138.16	143.50	154.55	159.48	163.32	183.86	191.79	198.56	202.17	211.19	245.72	279.90
550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.93	158.94	165.48	172.16	177.29	189.22	195.74	202.72	207.68	214.69	251.91	288.91
600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	163.52	172.36	180.67	185.71	196.38	205.20	209.59	213.91	219.09	256.19	291.51
650	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.17	185.91	189.75	203.33	209.38	213.44	219.42	223.60	261.84	295.01
700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.06	198.70	207.00	214.10	221.55	226.87	231.05	271.42	323.33
750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.30	214.17	221.78	226.64	230.58	236.34	275.02	330.76
800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	215.18	226.87	231.05	235.99	241.52	283.04	342.93
850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	229.80	236.34	240.75	248.52	292.52	378.59
900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	243.43	248.29	257.20	303.46	395.05
950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	257.89	261.84	308.55	401.85
1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	268.82	316.20	404.20

For sizes above 1200 wide and 1000 high, please refer to our Sales Office for pricing

Ancillaries:

Please refer to FD ancillaries price list on page 49

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



FD & FD-C Series - Ancillaries

FD Series

Item	Price Each
GL - Gatelatch Release Mechanism	£7.28 List
VI - Visual Indicator	£6.76 List
MS - Single Pole Microswitch	£21.84 NETT
EMS - Economy Microswitch	£16.64 List
Standard Straight Bar 72 Deg.C Fusible Links	£7.28 List
Gatelatch 72 Deg.C Fusible Links	£7.28 List

FD-C Series

Item	Price Each
MS - Single Pole Microswitch	£21.84 NETT



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FD-C - Fire/Volume Control Dampers

Galvanised Steel Blades
Installation Plate (IP) Installation Method

Diameter							
100	125	150	160	200	250	300	315
53.56	56.24	58.92	62.13	68.56	76.06	85.70	91.05

430 Grade Stainless Steel Blades
Installation Plate (IP) Installation Method

Diameter							
100	125	150	160	200	250	300	315
57.31	60.18	63.04	66.48	73.35	81.38	91.70	97.43

Ancillaries:

Fixing lugs are available at £7.80 each (2 off per damper) in addition to the above prices.

Please also refer to FD ancillaries price list on page 49



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FSD-TD Series - Fire & Smoke Dampers

Spigot Fit
Galvanised Steel Blades
Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required at £7.80 each (2 off per damper)

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	95.68	99.21	101.86	102.27	104.88	107.42	110.00	112.41	114.99	117.45	121.13	123.81	126.42	129.11	131.84	134.41	137.13	139.74	142.46
150	97.24	100.91	103.71	104.28	107.08	109.77	112.50	115.07	117.79	120.44	124.26	127.10	129.86	132.70	135.57	138.34	141.18	143.99	146.86
200	105.41	109.31	112.50	112.87	115.94	118.85	121.72	124.42	127.30	130.02	135.13	138.31	141.29	144.48	147.69	150.73	153.91	156.89	160.07
250	117.16	121.35	124.86	125.06	128.39	131.46	134.51	137.32	140.39	143.15	149.54	153.07	156.32	159.84	163.36	166.58	170.10	173.36	176.87
300	118.71	123.05	126.76	127.10	130.58	133.80	137.02	139.96	143.20	146.11	152.68	156.35	159.76	163.44	167.15	170.48	174.18	177.59	181.26
350	130.44	135.05	139.10	139.30	143.03	146.41	149.84	152.85	156.25	159.28	167.15	171.12	174.75	178.77	182.77	186.42	190.42	194.05	198.07
400	131.99	136.75	140.95	141.33	145.23	148.79	152.31	155.49	159.09	162.26	170.25	174.45	178.24	182.36	186.52	190.31	194.51	198.30	202.46
450	143.30	148.34	152.92	153.10	157.27	161.01	164.73	168.01	171.72	174.99	184.30	188.79	192.81	197.31	201.82	205.83	210.29	214.34	218.81
500	144.85	150.04	154.77	155.12	159.42	163.32	167.26	170.66	174.52	177.98	187.40	192.05	196.25	200.91	205.57	209.73	214.42	218.59	223.20
550	156.14	161.66	166.72	166.88	171.46	175.55	179.64	183.11	187.21	190.69	201.44	206.40	210.86	215.82	220.81	225.20	230.20	234.59	239.58
600	157.68	163.36	168.63	168.89	173.69	177.90	182.14	185.78	190.01	193.65	204.58	209.73	214.27	219.45	224.56	229.14	234.26	238.87	243.98
650	168.70	174.65	180.24	180.36	185.39	189.78	194.21	197.95	202.34	206.10	218.24	223.74	228.54	234.03	239.51	244.29	249.77	254.57	260.07
700	170.28	176.34	182.14	182.36	187.55	192.13	196.66	200.61	205.15	209.05	221.37	227.02	232.01	237.62	243.27	248.23	253.85	258.81	264.45
750	181.26	187.58	193.75	193.82	199.28	204.02	208.74	212.75	217.50	221.47	235.12	241.07	246.25	252.23	258.18	263.39	269.38	274.52	280.51
800	182.81	189.33	195.60	195.87	201.44	206.36	211.24	215.40	220.33	224.41	238.23	244.36	249.69	255.83	261.92	267.29	273.43	278.76	284.89
850	193.87	200.64	207.27	207.38	213.21	218.29	223.39	227.59	232.66	236.90	251.96	258.44	264.05	270.47	276.94	282.52	288.94	294.54	301.03
900	195.43	202.34	209.12	209.38	215.40	220.63	225.89	230.24	235.47	239.86	255.11	261.68	267.46	274.03	280.70	286.45	293.03	298.78	305.41
950	206.44	213.63	220.81	220.85	227.15	232.55	237.96	242.42	247.84	252.35	268.84	275.78	281.80	288.71	295.64	301.62	308.59	314.57	321.50
1000	207.99	215.33	222.71	222.90	229.33	234.93	240.46	245.08	250.68	255.29	271.99	279.06	285.23	292.31	299.40	305.56	312.63	318.77	325.88

For sizes above 1000 wide and 1000 high, please refer to our Sales Office for pricing

Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.

Please add £283.87 per damper for PM24-TF and PM230-TF actuators (24 and 230 volt spring return closed with thermal fuse)



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FSD-TD Series - Fire & Smoke Dampers

Spigot Fit
 430 Grade Stainless Steel Blades
 Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required at £7.80 each (2 off per damper)

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	105.25	109.13	112.04	112.51	115.38	118.15	120.99	123.66	126.50	129.19	133.23	136.19	139.06	142.01	145.02	147.86	150.84	153.72	156.71
150	106.96	111.00	114.08	114.71	117.78	120.74	123.74	126.57	129.56	132.49	136.69	139.81	142.85	145.97	149.14	152.18	155.29	158.38	161.54
200	115.95	120.24	123.74	124.16	127.54	130.74	133.90	136.85	140.03	143.02	148.64	152.14	155.43	158.92	162.46	165.80	169.29	172.58	176.08
250	128.86	133.48	137.35	137.57	141.23	144.59	147.97	151.06	154.43	157.46	164.50	168.38	171.95	175.82	179.70	183.24	187.12	190.69	194.55
300	130.57	135.37	139.43	139.81	143.64	147.18	150.73	153.97	157.51	160.72	167.96	172.00	175.75	179.78	183.86	187.53	191.60	195.35	199.39
350	143.47	148.56	153.02	153.22	157.34	161.05	164.83	168.12	171.87	175.20	183.86	188.24	192.23	196.64	201.06	205.06	209.47	213.46	217.88
400	145.18	150.44	155.05	155.47	159.75	163.66	167.54	171.03	175.00	178.48	187.27	191.90	196.06	200.60	205.17	209.34	213.97	218.12	222.71
450	157.63	163.17	168.21	168.42	172.99	177.12	181.20	184.82	188.91	192.48	202.72	207.68	212.09	217.04	222.00	226.42	231.32	235.78	240.70
500	159.34	165.05	170.25	170.62	175.38	179.66	183.99	187.73	191.97	195.77	206.14	211.26	215.87	220.99	226.12	230.70	235.86	240.45	245.52
550	171.75	177.82	183.40	183.57	188.61	193.10	197.60	201.44	205.92	209.76	221.58	227.03	231.95	237.40	242.90	247.73	253.23	258.06	263.56
600	173.45	179.70	185.48	185.78	191.07	195.69	200.36	204.35	209.01	213.00	225.04	230.70	235.70	241.40	247.02	252.05	257.68	262.76	268.37
650	185.57	192.10	198.27	198.39	203.93	208.76	213.63	217.74	222.58	226.70	240.07	246.11	251.40	257.42	263.46	268.72	274.75	280.04	286.07
700	187.31	193.98	200.36	200.60	206.29	211.34	216.33	220.66	225.66	229.94	243.52	249.72	255.22	261.37	267.59	273.04	279.25	284.70	290.90
750	199.39	206.34	213.13	213.22	219.20	224.41	229.62	234.03	239.23	243.61	258.64	265.17	270.88	277.46	283.99	289.73	296.31	301.97	308.56
800	201.10	208.26	215.17	215.47	221.58	226.99	232.36	236.94	242.35	246.85	262.05	268.79	274.66	281.41	288.11	294.03	300.77	306.63	313.38
850	213.26	220.71	227.99	228.11	234.53	240.10	245.73	250.36	255.92	260.59	277.17	284.28	290.44	297.52	304.65	310.76	317.84	324.00	331.13
900	214.97	222.58	230.04	230.33	236.94	242.68	248.48	253.27	259.01	263.84	280.61	287.86	294.18	301.43	308.77	315.09	322.34	328.66	335.95
950	227.07	234.99	242.90	242.94	249.85	255.81	261.76	266.67	272.63	277.58	295.73	303.35	309.97	317.58	325.21	331.79	339.45	346.03	353.64
1000	228.78	236.86	244.98	245.19	252.26	258.43	264.50	269.58	275.75	280.83	299.19	306.97	313.76	321.55	329.34	336.12	343.91	350.66	358.47

For sizes above 1000 wide and 1000 high, please refer to our Sales Office for pricing

Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.

Please add £283.87 per damper for PM24-TF and PM230-TF actuators (24 and 230 volt spring return closed with thermal fuse)



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FSD-TD Series - Fire & Smoke Dampers

Type C

Galvanised Steel Blades

Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required at £7.80 each (2 off per damper)

Diameter

100	150	160	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
109.36	117.49	117.49	131.99	147.88	157.27	176.99	187.47	207.60	218.96	240.57	259.88	284.81	299.43	326.04	342.46	370.32	388.19	417.33	436.89

Type C

430 Grade Stainless Steel Blades

Pattress Fit (PF) & Cleats (CL) Installation Method

For CL installation method, fixing lugs will be required at £7.80 each (2 off per damper)

Diameter

100	150	160	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
120.29	129.23	129.23	145.18	162.67	172.99	194.69	206.22	228.36	240.85	264.64	285.86	313.30	329.37	358.64	376.72	407.35	427.00	459.06	480.58

Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.

Please add £283.87 per damper for PM24-TF and PM230-TF actuators (24 and 230 volt spring return closed with thermal fuse)



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FSD-TD Series - Fire & Smoke Dampers

Spigot Fit

Galvanised Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	127.52	131.94	135.54	136.91	140.46	143.95	147.46	150.83	154.36	158.78	163.39	167.03	170.59	174.22	177.90	182.44	186.11	189.68	193.34
150	129.97	134.60	138.34	139.86	143.60	147.24	150.90	154.43	158.10	162.72	167.49	171.27	174.99	178.77	182.59	187.31	191.11	194.85	198.67
200	139.10	143.95	148.06	149.40	153.41	157.27	161.10	164.73	168.55	173.24	179.30	183.42	187.36	191.48	195.64	200.64	204.77	208.71	212.84
250	151.79	156.93	161.39	162.53	166.81	170.82	174.82	178.58	182.55	187.31	194.67	199.13	203.33	207.79	212.22	217.44	221.92	226.12	230.58
300	154.28	159.58	164.23	165.52	169.95	174.11	178.28	182.14	186.30	191.21	198.75	203.37	207.72	212.30	216.95	222.29	226.95	231.30	235.91
350	167.49	173.05	178.05	179.18	183.83	188.15	192.55	196.49	200.83	205.87	214.66	219.56	224.14	229.10	234.06	239.71	244.63	249.19	254.16
400	169.99	175.71	180.85	182.14	186.98	191.48	195.95	200.08	204.62	209.77	218.70	223.84	228.58	233.65	238.75	244.50	249.66	254.39	259.50
450	182.74	188.72	194.24	195.38	200.49	205.18	209.84	214.08	218.73	223.96	234.21	239.67	244.63	250.08	255.53	261.51	266.92	271.91	277.33
500	185.23	191.37	197.05	198.34	203.60	208.44	213.32	217.67	222.49	227.90	238.26	243.86	249.02	254.62	260.22	266.34	271.99	277.11	282.66
550	198.00	204.46	210.49	211.58	217.11	222.14	227.15	231.57	236.60	242.08	253.78	259.69	265.06	270.96	276.91	283.31	289.26	294.58	300.49
600	200.49	207.12	213.32	214.53	220.28	225.40	230.58	235.16	240.35	245.98	257.88	263.93	269.41	275.55	281.60	288.19	294.25	299.77	305.82
650	212.45	219.35	225.89	226.95	232.90	238.23	243.61	248.30	253.64	259.39	272.44	278.89	284.64	291.06	297.50	304.27	310.68	316.43	322.86
700	214.99	221.99	228.73	229.86	235.99	241.52	247.01	251.89	257.38	263.24	276.54	283.11	289.06	295.60	302.19	309.12	315.71	321.61	328.20
750	226.91	234.18	241.25	242.28	248.67	254.35	260.03	264.99	270.67	276.61	291.21	298.11	304.24	311.17	318.05	325.24	332.18	338.26	345.19
800	229.41	236.83	244.06	245.26	251.78	257.64	263.47	268.59	274.45	280.51	295.27	302.34	308.63	315.71	322.74	330.09	337.17	343.44	350.52
850	242.42	250.15	257.71	258.77	265.55	271.58	277.59	282.73	288.76	295.01	311.00	318.43	324.95	332.32	339.74	347.31	354.69	361.23	368.62
900	244.92	252.79	260.52	261.73	268.69	274.83	281.04	286.33	292.51	298.91	315.10	322.60	329.30	336.82	344.43	352.20	359.73	366.39	373.95
950	256.89	265.02	273.16	274.14	281.33	287.70	294.05	299.47	305.82	312.33	329.74	337.62	344.58	352.46	360.33	368.32	376.19	383.10	390.98
1000	259.39	267.68	276.00	277.11	284.48	291.03	297.50	303.06	309.62	316.19	333.83	341.86	348.97	356.99	365.02	373.16	381.18	388.26	396.32

For sizes above 1000 wide and 1000 high, please refer to our Sales Office for pricing

Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.

Please add £283.87 per damper for PM24-TF and PM230-TF actuators (24 and 230 volt spring return closed with thermal fuse)



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

FSD-TD Series - Fire & Smoke Dampers

Spigot Fit

430 Grade Stainless Steel Blades

Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Height	Width																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	137.08	141.87	145.74	147.14	150.95	154.69	158.46	162.07	165.85	170.53	175.51	179.41	183.24	187.14	191.08	195.87	199.83	203.64	207.58
150	139.70	144.70	148.71	150.28	154.32	158.22	162.17	165.93	169.87	174.76	179.91	183.99	187.97	192.04	196.14	201.16	205.22	209.26	213.36
200	149.65	154.88	159.33	160.68	165.01	169.15	173.26	177.16	181.27	186.24	192.81	197.26	201.49	205.93	210.42	215.72	220.16	224.39	228.83
250	163.49	169.06	173.88	175.04	179.65	183.97	188.28	192.31	196.59	201.64	209.62	214.44	218.96	223.78	228.56	234.10	238.93	243.44	248.27
300	166.15	171.88	176.90	178.24	183.01	187.49	191.97	196.13	200.62	205.83	214.02	219.00	223.69	228.64	233.67	239.35	244.37	249.06	254.04
350	180.53	186.56	191.95	193.11	198.14	202.79	207.53	211.76	216.46	221.80	231.36	236.67	241.62	246.98	252.34	258.35	263.67	268.61	273.97
400	183.18	189.37	194.94	196.27	201.50	206.36	211.18	215.62	220.52	225.98	235.73	241.29	246.41	251.89	257.40	263.55	269.11	274.22	279.75
450	197.07	203.56	209.54	210.69	216.22	221.28	226.31	230.88	235.90	241.46	252.65	258.54	263.91	269.81	275.71	282.08	287.94	293.34	299.20
500	199.72	206.37	212.52	213.84	219.53	224.78	230.05	234.74	239.93	245.70	257.00	263.07	268.64	274.71	280.78	287.32	293.43	298.96	304.99
550	213.61	220.63	227.16	228.27	234.26	239.70	245.10	249.87	255.32	261.15	273.93	280.33	286.15	292.55	298.99	305.82	312.27	318.04	324.45
600	216.26	223.44	230.18	231.43	237.65	243.19	248.79	253.74	259.34	265.36	278.32	284.90	290.84	297.49	304.05	311.11	317.67	323.66	330.22
650	229.32	236.81	243.92	244.99	251.43	257.20	263.02	268.09	273.86	280.00	294.27	301.25	307.49	314.46	321.45	328.70	335.64	341.88	348.87
700	232.01	239.63	246.94	248.09	254.75	260.74	266.67	271.95	277.90	284.15	298.67	305.82	312.26	319.37	326.52	333.94	341.09	347.50	354.64
750	245.03	252.94	260.62	261.65	268.60	274.75	280.90	286.26	292.41	298.75	314.72	322.21	328.86	336.39	343.88	351.58	359.10	365.72	373.25
800	247.69	255.76	263.62	264.86	271.92	278.28	284.60	290.12	296.48	302.94	319.08	326.78	333.60	341.29	348.94	356.81	364.50	371.32	379.02
850	261.82	270.21	278.44	279.51	286.87	293.39	299.93	305.50	312.02	318.69	336.21	344.27	351.34	359.37	367.44	375.55	383.58	390.70	398.72
900	264.46	273.03	281.43	282.67	290.23	296.89	303.63	309.36	316.06	322.89	340.60	348.76	356.04	364.23	372.51	380.84	389.02	396.26	404.49
950	277.53	286.40	295.24	296.23	304.05	310.95	317.86	323.71	330.61	337.57	356.63	365.20	372.76	381.33	389.89	398.48	407.05	414.58	423.14
1000	280.19	289.20	298.27	299.38	307.40	314.52	321.55	327.57	334.68	341.73	361.04	369.76	377.50	386.22	394.96	403.72	412.45	420.14	428.92

For sizes above 1000 wide and 1000 high, please refer to our Sales Office for pricing

Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.

Please add £283.87 per damper for PM24-TF and PM230-TF actuators (24 and 230 volt spring return closed with thermal fuse)

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



FSD-TD Series - Fire & Smoke Dampers

Type C
Galvanised Steel Blades
Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Diameter

100	150	160	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
141.18	151.17	151.17	167.56	185.36	196.63	218.73	231.12	253.67	266.92	291.97	313.18	339.97	356.47	384.98	403.29	435.12	454.88	485.87	507.33

Type C
430 Grade Stainless Steel Blades
Angle Frame (AF) or HEVAC Frame (HF) Installation Method

Diameter

100	150	160	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
152.11	162.93	162.93	180.76	200.15	212.36	236.43	249.85	274.42	288.81	316.02	339.15	368.44	386.40	417.57	437.54	472.15	493.70	527.60	551.03

**Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.
Please add £283.87 per damper for PM24-TF and PM230-TF actuators (24 and 230 volt spring return closed with thermal fuse)**

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



FSD-C Series - Fire & Smoke/VCDs

Galvanised Steel Blades
Installation Plate (IP) Installation Method

Diameter							
100	125	150	160	200	250	300	315
60.53	62.57	67.28	68.35	75.10	80.03	90.63	97.59

430 Grade Stainless Steel Blades
Installation Plate (IP) Installation Method

Diameter							
100	125	150	160	200	250	300	315
64.76	66.95	71.99	73.13	80.35	85.63	96.97	104.43

**Actuators: BSB approved factory fitted actuators will be required to maintain fire test certification.
Please add £246.38 per damper for PMC24-TF and PMC230-TF actuators (24 and 230 volt spring return closed with thermal fuse)**

Fixing lugs are available at £7.80 each (2 off per damper) in addition to the above prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

SC Series - Control Dampers

Model Flange Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

Height	Width											
	149	249	349	449	549	649	749	849	949	1049	1149	1200
149	46.54	50.56	54.63	56.64	60.68	64.74	68.79	76.28	80.52	84.77	93.09	95.38
249	50.52	55.46	60.47	65.41	70.97	75.98	80.93	85.92	91.52	96.46	108.69	114.44
349	61.12	66.93	72.77	78.58	85.29	91.11	96.93	102.74	109.51	115.26	129.74	136.68
449	71.68	78.34	85.05	91.69	99.58	106.28	112.91	119.56	127.45	134.14	150.85	158.85
549	89.40	96.93	104.45	111.92	120.99	128.50	136.02	143.50	152.57	160.07	179.54	188.65
649	99.50	107.87	116.21	124.55	134.75	143.09	151.44	159.80	170.03	178.37	200.08	210.33
749	109.15	118.38	127.57	136.73	148.13	157.30	166.48	175.73	187.09	196.27	220.16	231.57
849	118.86	128.86	138.92	148.97	161.51	171.55	181.56	191.62	204.13	214.19	240.25	252.74
949	136.32	147.20	158.09	168.97	182.66	193.56	204.42	215.31	229.02	239.88	268.67	282.31
1049	146.15	157.85	169.60	181.31	196.20	207.90	219.65	231.37	246.19	257.93	288.91	303.70
1149	166.98	180.45	193.95	207.86	224.58	238.06	251.54	265.02	282.10	295.57	309.06	324.95
1200	177.44	191.82	206.18	220.59	238.95	253.32	267.74	282.10	300.44	314.85	329.20	346.26

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

SC Series - Control Dampers

Model Flange Fit
 430 Grade Stainless Steel Blades
 Hand Operated/Extended Spindle

Height	Width											
	149	249	349	449	549	649	749	849	949	1049	1149	1200
149	58.17	63.20	68.28	70.80	75.87	80.92	85.98	95.37	100.65	105.98	116.39	119.22
249	63.16	69.33	75.58	81.75	88.73	94.97	101.17	107.41	114.40	120.57	135.87	143.04
349	76.39	83.68	90.95	98.21	106.60	113.87	121.15	128.43	136.90	144.08	162.18	170.84
449	89.60	97.92	106.31	114.61	124.47	132.83	141.16	149.44	159.32	167.69	188.57	198.57
549	111.73	121.15	130.57	139.89	151.25	160.62	170.04	179.38	190.70	200.11	224.40	235.81
649	124.39	134.83	145.27	155.70	168.43	178.85	189.31	199.74	212.53	222.96	250.08	262.89
749	136.45	147.97	159.44	170.90	185.19	196.63	208.10	219.65	233.85	245.34	275.18	289.46
849	148.57	161.08	173.65	186.20	201.87	214.44	226.93	239.51	255.15	267.75	300.33	315.91
949	170.40	184.02	197.60	211.19	228.33	241.94	255.54	269.13	286.25	299.85	335.85	352.87
1049	182.69	197.32	212.00	226.64	245.24	259.86	274.55	289.19	307.73	322.42	361.14	379.63
1149	208.72	225.57	242.42	259.83	280.73	297.56	314.42	331.27	352.60	369.48	386.33	406.18
1200	221.80	239.76	257.72	275.75	298.68	316.63	334.66	352.60	375.53	393.59	411.50	432.82

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

SC Series - Control Dampers

Model Spigot Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

Height	Width											
	149	249	349	449	549	649	749	849	949	1049	1149	1200
149	51.21	55.63	60.10	62.31	66.76	71.20	75.66	83.91	88.58	93.25	102.41	104.88
249	55.58	61.01	66.51	71.95	78.08	83.58	89.00	94.52	100.66	106.12	119.57	125.87
349	67.22	73.63	80.04	86.40	93.80	100.20	106.60	113.01	120.46	126.80	142.71	150.32
449	78.86	86.17	93.55	100.86	109.53	1142.04	124.22	131.52	139.87	147.57	165.94	174.74
549	98.32	106.60	114.90	123.09	133.07	141.37	149.65	157.87	167.79	176.09	197.49	207.52
649	109.47	118.65	127.85	137.02	148.23	157.39	166.59	175.78	187.01	196.20	220.07	231.35
749	120.06	130.22	140.32	150.40	162.96	173.05	183.13	193.28	205.78	215.87	242.17	254.73
849	130.76	141.73	152.80	163.86	177.65	188.70	199.70	210.77	224.55	235.61	264.28	278.01
949	149.96	161.93	173.88	185.86	200.93	212.91	224.86	236.84	251.91	263.87	295.55	310.51
1049	160.76	173.64	186.56	199.46	215.82	228.68	241.62	254.50	270.81	283.73	317.80	334.08
1149	183.34	198.50	213.35	228.64	247.04	261.86	276.69	291.53	310.33	325.14	339.97	357.47
1200	195.18	211.00	226.80	243.09	262.85	278.64	294.49	310.33	330.47	346.34	362.12	380.88

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.



BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List

SC Series - Control Dampers

Model Spigot Fit
 430 Grade Stainless Steel Blades
 Hand Operated/Extended Spindle

Height	Width											
	149	249	349	449	549	649	749	849	949	1049	1149	1200
149	63.98	69.51	75.11	77.90	83.44	88.99	94.57	104.88	110.73	116.55	128.01	131.12
249	69.47	76.25	83.15	89.93	97.59	104.48	111.26	118.13	125.84	132.63	149.46	157.35
349	84.02	92.02	100.04	108.04	117.26	125.27	133.26	141.27	150.58	158.48	178.39	187.92
449	98.55	107.71	116.94	126.08	136.92	146.12	155.26	164.40	175.24	184.45	207.42	218.43
549	122.92	133.26	143.62	153.89	166.35	176.68	187.03	197.33	209.76	220.12	246.85	259.39
649	136.83	148.30	159.80	171.28	185.26	196.76	208.24	219.72	233.77	245.24	275.09	289.19
749	150.08	162.79	175.39	188.01	203.69	216.30	228.94	241.62	257.23	269.85	302.71	318.41
849	163.42	177.18	191.01	204.83	222.07	235.87	249.64	263.46	280.68	294.50	330.37	347.52
949	187.44	202.40	217.36	232.32	251.17	266.15	281.07	296.05	314.87	329.84	369.43	388.15
1049	200.95	217.04	233.20	249.32	269.79	285.85	302.01	318.13	338.49	354.68	397.25	417.60
1149	229.61	248.13	266.67	285.82	308.81	327.34	345.87	364.41	387.90	406.42	424.95	446.80
1200	243.98	263.73	283.49	303.33	328.55	348.31	368.12	387.90	413.10	432.93	452.64	476.08

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.

BSB Engineering Services Ltd

Air, Fire & Smoke Control Products

2017 Price List



SC Series - Control Dampers

Circular Spigot Fit
Galvanised Steel Blades
Hand Operated/Extended Spindle

100	150	160	200	250	300	315	355	400	450	500	550	600	630	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
60.58	71.19	73.96	80.29	87.35	97.53	102.46	107.91	119.46	133.98	148.48	165.64	183.74	196.67	203.53	224.85	247.29	270.36	294.98	328.53	335.81	352.09	436.81	479.34	517.39	555.43

Model Spigot Fit
430 Grade Stainless Steel Blades
Hand Operated/Extended Spindle

100	150	160	200	250	300	315	355	400	450	500	550	600	630	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
75.73	88.98	92.42	100.37	109.18	121.91	128.07	134.87	149.34	167.48	185.58	207.03	229.66	245.82	254.39	281.10	309.10	337.94	368.70	388.80	419.76	440.10	545.99	599.19	646.74	694.28

Ancillaries:

BSB can supply a comprehensive range of electric actuators. Please contact our Sales Office for prices.