

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
0.33	19.5	406.0	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.34	20.1	394.1	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.35	20.7	382.8	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.36	21.2	372.2	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.37	21.8	362.1	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.38	22.4	352.6	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.39	23.0	343.5	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.4	23.6	335.0	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.41	24.2	326.8	1-1/4	1-13/16	2-5/16	3-9/16	NR
0.42	24.8	319.0	1-3/16	1-13/16	2-5/16	3-9/16	NR
0.43	25.4	311.6	1-3/16	1-3/4	2-5/16	3-1/2	NR
0.44	26.0	304.5	1-3/16	1-3/4	2-5/16	3-1/2	NR
0.45	26.6	297.7	1-3/16	1-3/4	2-5/16	3-7/16	NR
0.46	27.1	291.3	1-3/16	1-3/4	2-5/16	3-7/16	NR
0.47	27.7	285.1	1-1/8	1-11/16	2-1/4	3-3/8	NR
0.48	28.3	279.1	1-1/8	1-11/16	2-1/4	3-5/16	NR
0.49	28.9	273.4	1-1/8	1-11/16	2-3/16	3-5/16	NR
0.5	29.5	268.0	1-1/8	1-5/8	2-3/16	3-1/4	NR
0.51	30.1	262.7	1-1/8	1-5/8	2-3/16	3-1/4	NR
0.52	30.7	257.7	1-1/16	1-5/8	2-1/8	3-3/16	NR
0.53	31.3	252.8	1-1/16	1-5/8	2-1/8	3-3/16	NR
0.54	31.9	248.1	1-1/16	1-9/16	2-1/8	3-1/8	NR
0.55	32.5	243.6	7/8	1-1/4	1-11/16	2-1/2	3-5/16
0.56	33.0	239.3	7/8	1-1/4	1-11/16	2-1/2	3-5/16
0.57	33.6	235.1	13/16	1-1/4	1-5/8	2-7/16	3-1/4
0.58	34.2	231.0	11/16	1-1/8	1-9/16	2-7/16	3-1/4
0.59	34.8	227.1	11/16	1-1/8	1-9/16	2-7/16	3-3/16
0.6	35.4	223.3	11/16	1-1/8	1-9/16	2-3/8	3-3/16
0.61	36.0	219.6	11/16	1-1/8	1-9/16	2-3/8	3-3/16
0.62	36.6	216.1	11/16	1-1/8	1-9/16	2-3/8	3-1/8
0.63	37.2	212.7	11/16	1-1/8	1-9/16	2-3/8	3-1/8
0.64	37.8	209.3	11/16	1-1/8	1-9/16	2-5/16	3-1/16
0.65	38.4	206.1	11/16	1-1/8	1-9/16	2-5/16	3-1/16
0.66	38.9	203.0	11/16	1-1/8	1-9/16	2-5/16	3-1/16
0.67	39.5	200.0	11/16	1-1/8	1-1/2	2-1/4	3
0.68	40.1	197.0	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.69	40.7	194.2	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.7	41.3	191.4	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.71	41.9	188.7	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.72	42.5	186.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.73	43.1	183.5	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.74	43.7	181.1	11/16	1-1/8	1-7/16	1-7/8	2-5/16
0.75	44.3	178.6	11/16	1-1/16	1-7/16	1-7/8	2-5/16
0.76	44.8	176.3	11/16	1-1/16	1-7/16	1-7/8	2-5/16
0.77	45.4	174.0	11/16	1-1/16	1-7/16	1-7/8	2-5/16
0.78	46.0	171.8	11/16	1-1/16	1-7/16	1-7/8	2-5/16
0.79	46.6	169.6	11/16	1-1/16	1-3/8	1-7/8	2-5/16
0.8	47.2	167.5	11/16	1-1/16	1-3/8	1-7/8	2-5/16
0.81	47.8	165.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
0.82	48.4	163.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
0.83	49.0	161.4	11/16	1-1/16	1-3/8	1-7/8	2-5/16
0.84	49.6	159.5	11/16	1	1-1/4	1-11/16	2-1/8
0.85	50.2	157.6	11/16	1	1-1/4	1-11/16	2-1/8
0.86	50.7	155.8	11/16	1	1-1/4	1-11/16	2-1/8
0.87	51.3	154.0	11/16	1	1-1/4	1-11/16	2-1/8
0.88	51.9	152.3	11/16	1	1-1/4	1-11/16	2-1/8
0.89	52.5	150.5	11/16	1	1-1/4	1-11/16	2-1/8
0.9	53.1	148.9	11/16	1	1-1/4	1-11/16	2-1/8

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
fall within the specified value.							
0.91	53.7	147.2	11/16	1	1-1/4	1-11/16	2-1/8
0.92	54.3	145.6	11/16	1	1-1/4	1-11/16	2-1/8
0.93	54.9	144.1	11/16	1	1-1/4	1-11/16	2-1/8
0.94	55.5	142.5	5/8	15/16	1-1/4	1-11/16	2-1/8
0.95	56.1	141.0	5/8	15/16	1-1/4	1-11/16	2-1/8
0.96	56.6	139.6	5/8	15/16	1-1/4	1-11/16	2-1/8
0.97	57.2	138.1	5/8	15/16	1-1/4	1-11/16	2-1/8
0.98	57.8	136.7	5/8	15/16	1-1/4	1-11/16	2-1/8
0.99	58.4	135.3	5/8	15/16	1-1/4	1-11/16	2-1/8
1	59.0	134.0	5/8	15/16	1-1/4	1-11/16	2-1/8
1.01	59.6	132.7	5/8	15/16	1-1/4	1-11/16	2-1/8
1.02	60.2	131.4	5/8	15/16	1-3/16	1-11/16	2-1/8
1.03	60.8	130.1	5/8	15/16	1-3/16	1-11/16	2-1/8
1.04	61.4	128.8	5/8	15/16	1-3/16	1-11/16	2-1/8
1.05	62.0	127.6	5/8	7/8	1-3/16	1-11/16	2-1/8
1.06	62.5	126.4	5/8	7/8	1-3/16	1-11/16	2-1/8
1.07	63.1	125.2	5/8	7/8	1-3/16	1-11/16	2-1/8
1.08	63.7	124.1	5/8	7/8	1-3/16	1-11/16	2-1/8
1.09	64.3	122.9	5/8	7/8	1-3/16	1-11/16	2-1/8
1.1	64.9	121.8	5/8	7/8	1-3/16	1-11/16	2-1/8
1.11	65.5	120.7	9/16	7/8	1-1/8	1-11/16	2-1/8
1.12	66.1	119.6	9/16	7/8	1-1/8	1-11/16	2-1/8
1.13	66.7	118.6	9/16	7/8	1-1/8	1-11/16	2-1/8
1.14	67.3	117.5	9/16	7/8	1-1/8	1-11/16	2-1/8
1.15	67.9	116.5	9/16	7/8	1-1/8	1-11/16	2-1/8
1.16	68.4	115.5	9/16	7/8	1-1/8	1-11/16	2-1/8
1.17	69.0	114.5	9/16	7/8	1-1/8	1-11/16	2-1/8
1.18	69.6	113.5	9/16	13/16	1-1/8	1-5/8	2-1/8
1.19	70.2	112.6	9/16	13/16	1-1/8	1-5/8	2-1/8
1.2	70.8	111.7	9/16	13/16	1-1/8	1-5/8	2-1/8
1.21	71.4	110.7	9/16	13/16	1-1/8	1-5/8	2-1/8
1.22	72.0	109.8	9/16	13/16	1-1/16	1-5/8	2-1/8
1.23	72.6	108.9	9/16	13/16	1-1/16	1-5/8	2-1/8
1.24	73.2	108.1	9/16	13/16	1-1/16	1-5/8	2-1/8
1.25	73.8	107.2	9/16	13/16	1-1/16	1-9/16	2-1/8
1.26	74.3	106.3	9/16	13/16	1-1/16	1-9/16	2-1/8
1.27	74.9	105.5	9/16	13/16	1-1/16	1-9/16	2-1/16
1.28	75.5	104.7	9/16	13/16	1-1/16	1-9/16	2-1/16
1.29	76.1	103.9	9/16	13/16	1-1/16	1-9/16	2-1/16
1.3	76.7	103.1	9/16	13/16	1-1/16	1-9/16	2-1/16
1.31	77.3	102.3	9/16	13/16	1-1/16	1-9/16	2-1/16
1.32	77.9	101.5	9/16	13/16	1-1/16	1-9/16	2-1/16
1.33	78.5	100.7	1/2	3/4	1	1-1/2	2
1.34	79.1	100.0	1/2	3/4	1	1-1/2	2
1.35	79.7	99.2	1/2	3/4	1	1-1/2	2
1.36	80.2	98.5	1/2	3/4	1	1-1/2	2
1.37	80.8	97.8	1/2	3/4	1	1-1/2	2
1.38	81.4	97.1	1/2	3/4	1	1-1/2	2
1.39	82.0	96.4	1/2	3/4	1	1-1/2	2
1.4	82.6	95.7	1/2	3/4	1	1-1/2	1-15/16
1.41	83.2	95.0	1/2	3/4	1	1-1/2	1-15/16
1.42	83.8	94.4	1/2	3/4	1	1-7/16	1-15/16
1.43	84.4	93.7	1/2	3/4	1	1-7/16	1-15/16
1.44	85.0	93.0	1/2	3/4	1	1-7/16	1-15/16
1.45	85.6	92.4	1/2	3/4	1	1-7/16	1-15/16
1.46	86.1	91.8	1/2	3/4	15/16	1-7/16	1-7/8
1.47	86.7	91.1	7/16	3/4	15/16	1-7/16	1-7/8
1.48	87.3	90.5	7/16	3/4	15/16	1-7/16	1-7/8

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.							
1.49	87.9	89.9	7/16	3/4	15/16	1-7/16	1-7/8
1.5	88.5	89.3	7/16	3/4	15/16	1-7/16	1-7/8
1.51	89.1	88.7	7/16	11/16	15/16	1-3/8	1-7/8
1.52	89.7	88.1	7/16	11/16	15/16	1-3/8	1-7/8
1.53	90.3	87.6	7/16	11/16	15/16	1-3/8	1-7/8
1.54	90.9	87.0	7/16	11/16	15/16	1-3/8	1-13/16
1.55	91.5	86.4	7/16	11/16	15/16	1-3/8	1-13/16
1.56	92.0	85.9	7/16	11/16	15/16	1-3/8	1-13/16
1.57	92.6	85.3	7/16	11/16	15/16	1-3/8	1-13/16
1.58	93.2	84.8	7/16	11/16	15/16	1-3/8	1-13/16
1.59	93.8	84.3	7/16	11/16	15/16	1-3/8	1-13/16
1.6	94.4	83.7	7/16	11/16	15/16	1-3/8	1-13/16
1.61	95.0	83.2	7/16	11/16	7/8	1-5/16	1-3/4
1.62	95.6	82.7	7/16	11/16	7/8	1-5/16	1-3/4
1.63	96.2	82.2	7/16	11/16	7/8	1-5/16	1-3/4
1.64	96.8	81.7	7/16	11/16	7/8	1-5/16	1-3/4
1.65	97.4	81.2	7/16	11/16	7/8	1-5/16	1-3/4
1.66	97.9	80.7	7/16	11/16	7/8	1-5/16	1-3/4
1.67	98.5	80.2	7/16	11/16	7/8	1-5/16	1-3/4
1.68	99.1	79.8	7/16	11/16	7/8	1-5/16	1-3/4
1.69	99.7	79.3	7/16	11/16	7/8	1-5/16	1-3/4
1.7	100.3	78.8	7/16	11/16	7/8	1-5/16	1-11/16
1.71	100.9	78.4	7/16	11/16	7/8	1-5/16	1-11/16
1.72	101.5	77.9	7/16	11/16	7/8	1-5/16	1-11/16
1.73	102.1	77.4	7/16	5/8	7/8	1-1/4	1-11/16
1.74	102.7	77.0	7/16	5/8	7/8	1-1/4	1-11/16
1.75	103.3	76.6	7/16	5/8	7/8	1-1/4	1-11/16
1.76	103.8	76.1	7/16	5/8	7/8	1-1/4	1-11/16
1.77	104.4	75.7	7/16	5/8	7/8	1-1/4	1-11/16
1.78	105.0	75.3	7/16	5/8	7/8	1-1/4	1-11/16
1.79	105.6	74.9	7/16	5/8	13/16	1-1/4	1-5/8
1.8	106.2	74.4	7/16	5/8	13/16	1-1/4	1-5/8
1.81	106.8	74.0	7/16	5/8	13/16	1-1/4	1-5/8
1.82	107.4	73.6	7/16	5/8	13/16	1-1/4	1-5/8
1.83	108.0	73.2	7/16	5/8	13/16	1-1/4	1-5/8
1.84	108.6	72.8	7/16	5/8	13/16	1-1/4	1-5/8
1.85	109.2	72.4	7/16	5/8	13/16	1-3/16	1-5/8
1.86	109.7	72.0	7/16	5/8	13/16	1-3/16	1-5/8
1.87	110.3	71.6	7/16	5/8	13/16	1-3/16	1-5/8
1.88	110.9	71.3	7/16	5/8	13/16	1-3/16	1-5/8
1.89	111.5	70.9	7/16	5/8	13/16	1-3/16	1-9/16
1.9	112.1	70.5	7/16	5/8	13/16	1-3/16	1-9/16
1.91	112.7	70.1	7/16	5/8	13/16	1-3/16	1-9/16
1.92	113.3	69.8	7/16	5/8	13/16	1-3/16	1-9/16
1.93	113.9	69.4	7/16	5/8	13/16	1-3/16	1-9/16
1.94	114.5	69.1	7/16	5/8	13/16	1-3/16	1-9/16
1.95	115.1	68.7	7/16	5/8	13/16	1-3/16	1-9/16
1.96	115.6	68.4	7/16	5/8	13/16	1-3/16	1-9/16
1.97	116.2	68.0	7/16	5/8	13/16	1-3/16	1-9/16
1.98	116.8	67.7	7/16	5/8	13/16	1-3/16	1-9/16
1.99	117.4	67.3	3/8	9/16	3/4	1-1/8	1-1/2
2	118.0	67.0	3/8	9/16	3/4	1-1/8	1-1/2
2.01	118.6	66.7	3/8	9/16	3/4	1-1/8	1-1/2
2.02	119.2	66.3	3/8	9/16	3/4	1-1/8	1-1/2
2.03	119.8	66.0	3/8	9/16	3/4	1-1/8	1-1/2
2.04	120.4	65.7	3/8	9/16	3/4	1-1/8	1-1/2
2.05	121.0	65.4	3/8	9/16	3/4	1-1/8	1-1/2
2.06	121.5	65.0	3/8	9/16	3/4	1-1/8	1-1/2

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
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Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

2.07	122.1	64.7	3/8	9/16	3/4	1-1/8	1-1/2
2.08	122.7	64.4	3/8	9/16	3/4	1-1/8	1-1/2
2.09	123.3	64.1	3/8	9/16	3/4	1-1/8	1-1/2
2.1	123.9	63.8	3/8	9/16	3/4	1-1/8	1-1/2
2.11	124.5	63.5	3/8	9/16	3/4	1-1/8	1-7/16
2.12	125.1	63.2	3/8	9/16	3/4	1-1/8	1-7/16
2.13	125.7	62.9	3/8	9/16	3/4	1-1/8	1-7/16
2.14	126.3	62.6	3/8	9/16	3/4	1-1/8	1-7/16
2.15	126.9	62.3	3/8	9/16	3/4	1-1/16	1-7/16
2.16	127.4	62.0	3/8	9/16	3/4	1-1/16	1-7/16
2.17	128.0	61.7	3/8	9/16	3/4	1-1/16	1-7/16
2.18	128.6	61.5	3/8	9/16	3/4	1-1/16	1-7/16
2.19	129.2	61.2	3/8	9/16	3/4	1-1/16	1-7/16
2.2	129.8	60.9	3/8	9/16	3/4	1-1/16	1-7/16
2.21	130.4	60.6	3/8	9/16	3/4	1-1/16	1-7/16
2.22	131.0	60.4	3/8	9/16	3/4	1-1/16	1-7/16
2.23	131.6	60.1	3/8	9/16	11/16	1-1/16	1-3/8
2.24	132.2	59.8	3/8	9/16	11/16	1-1/16	1-3/8
2.25	132.8	59.5	3/8	9/16	11/16	1-1/16	1-3/8
2.26	133.3	59.3	3/8	9/16	11/16	1-1/16	1-3/8
2.27	133.9	59.0	3/8	9/16	11/16	1-1/16	1-3/8
2.28	134.5	58.8	3/8	9/16	11/16	1-1/16	1-3/8
2.29	135.1	58.5	3/8	9/16	11/16	1-1/16	1-3/8
2.3	135.7	58.3	3/8	9/16	11/16	1-1/16	1-3/8
2.31	136.3	58.0	3/8	9/16	11/16	1-1/16	1-3/8
2.32	136.9	57.8	3/8	1/2	11/16	1	1-3/8
2.33	137.5	57.5	3/8	1/2	11/16	1	1-3/8
2.34	138.1	57.3	3/8	1/2	11/16	1	1-3/8
2.35	138.7	57.0	3/8	1/2	11/16	1	1-3/8
2.36	139.2	56.8	3/8	1/2	11/16	1	1-3/8
2.37	139.8	56.5	3/8	1/2	11/16	1	1-5/16
2.38	140.4	56.3	3/8	1/2	11/16	1	1-5/16
2.39	141.0	56.1	3/8	1/2	11/16	1	1-5/16
2.4	141.6	55.8	3/8	1/2	11/16	1	1-5/16
2.41	142.2	55.6	3/8	1/2	11/16	1	1-5/16
2.42	142.8	55.4	3/8	1/2	11/16	1	1-5/16
2.43	143.4	55.1	3/8	1/2	11/16	1	1-5/16
2.44	144.0	54.9	3/8	1/2	11/16	1	1-5/16
2.45	144.6	54.7	3/8	1/2	11/16	1	1-5/16
2.46	145.1	54.5	3/8	1/2	11/16	1	1-5/16
2.47	145.7	54.2	3/8	1/2	11/16	1	1-5/16
2.48	146.3	54.0	3/8	1/2	11/16	1	1-5/16
2.49	146.9	53.8	3/8	1/2	11/16	1	1-5/16
2.5	147.5	53.6	3/8	1/2	11/16	1	1-5/16
2.51	148.1	53.4	3/8	1/2	11/16	1	1-5/16
2.52	148.7	53.2	3/8	1/2	5/8	15/16	1-1/4
2.53	149.3	53.0	3/8	1/2	5/8	15/16	1-1/4
2.54	149.9	52.7	3/8	1/2	5/8	15/16	1-1/4
2.55	150.5	52.5	3/8	1/2	1/2	15/16	1-1/4
2.56	151.0	52.3	3/8	1/2	1/2	15/16	1-1/4
2.57	151.6	52.1	3/8	1/2	1/2	15/16	1-1/4
2.58	152.2	51.9	3/8	1/2	1/2	15/16	1-1/4
2.59	152.8	51.7	3/8	1/2	1/2	15/16	1-1/4
2.6	153.4	51.5	3/8	1/2	1/2	15/16	1-1/4
2.61	154.0	51.3	3/8	1/2	1/2	15/16	1-1/4
2.62	154.6	51.1	3/8	1/2	1/2	15/16	1-1/4
2.63	155.2	50.9	3/8	1/2	1/2	15/16	1-1/4

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFECO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
2.64	155.8	50.8	3/8	1/2	1/2	15/16	1-1/4

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

2.65	156.4	50.6	3/8	1/2	1/2	15/16	1-1/4
2.66	156.9	50.4	3/8	1/2	1/2	15/16	1-1/4
2.67	157.5	50.2	3/8	1/2	1/2	15/16	1-1/4
2.68	158.1	50.0	3/8	1/2	1/2	15/16	1-1/4
2.69	158.7	49.8	3/8	1/2	1/2	15/16	1-3/16
2.7	159.3	49.6	3/8	1/2	1/2	15/16	1-3/16
2.71	159.9	49.4	3/8	1/2	1/2	15/16	1-3/16
2.72	160.5	49.3	3/8	1/2	1/2	15/16	1-3/16
2.73	161.1	49.1	3/8	1/2	1/2	15/16	1-3/16
2.74	161.7	48.9	3/8	1/2	1/2	15/16	1-3/16
2.75	162.3	48.7	3/8	7/16	1/2	7/8	1-3/16
2.76	162.8	48.5	3/8	7/16	1/2	7/8	1-3/16
2.77	163.4	48.4	3/8	7/16	1/2	7/8	1-3/16
2.78	164.0	48.2	3/8	7/16	1/2	7/8	1-3/16
2.79	164.6	48.0	3/8	7/16	1/2	7/8	1-3/16
2.8	165.2	47.9	3/8	7/16	1/2	7/8	1-3/16
2.81	165.8	47.7	3/8	7/16	1/2	7/8	1-3/16
2.82	166.4	47.5	3/8	7/16	1/2	7/8	1-3/16
2.83	167.0	47.3	3/8	7/16	1/2	7/8	1-3/16
2.84	167.6	47.2	3/8	7/16	1/2	7/8	1-3/16
2.85	168.2	47.0	3/8	7/16	1/2	7/8	1-3/16
2.86	168.7	46.8	3/8	7/16	1/2	7/8	1-3/16
2.87	169.3	46.7	3/8	7/16	1/2	7/8	1-1/8
2.88	169.9	46.5	3/8	7/16	1/2	7/8	1-1/8
2.89	170.5	46.4	3/8	7/16	1/2	7/8	1-1/8
2.9	171.1	46.2	3/8	7/16	1/2	7/8	1-1/8
2.91	171.7	46.0	3/8	7/16	1/2	7/8	1-1/8
2.92	172.3	45.9	3/8	7/16	1/2	7/8	1-1/8
2.93	172.9	45.7	3/8	7/16	1/2	7/8	1-1/8
2.94	173.5	45.6	3/8	7/16	1/2	7/8	1-1/8
2.95	174.1	45.4	3/8	7/16	1/2	7/8	1-1/8
2.96	174.6	45.3	3/8	7/16	1/2	7/8	1-1/8
2.97	175.2	45.1	3/8	7/16	1/2	7/8	1-1/8
2.98	175.8	45.0	3/8	7/16	1/2	7/8	1-1/8
2.99	176.4	44.8	3/8	7/16	1/2	7/8	1-1/8
3	177.0	44.7	3/8	7/16	1/2	7/8	1-1/8
3.01	177.6	44.5	3/8	7/16	1/2	13/16	1-1/8
3.02	178.2	44.4	3/8	7/16	1/2	13/16	1-1/8
3.03	178.8	44.2	3/8	7/16	1/2	13/16	1-1/8
3.04	179.4	44.1	3/8	7/16	1/2	13/16	1-1/8
3.05	180.0	43.9	3/8	7/16	1/2	13/16	1-1/8
3.06	180.5	43.8	3/8	7/16	1/2	13/16	1-1/8
3.07	181.1	43.6	3/8	7/16	1/2	13/16	1-1/8
3.08	181.7	43.5	3/8	7/16	1/2	13/16	1-1/16
3.09	182.3	43.4	3/8	7/16	1/2	13/16	1-1/16
3.1	182.9	43.2	3/8	7/16	1/2	13/16	1-1/16
3.11	183.5	43.1	3/8	7/16	1/2	13/16	1-1/16
3.12	184.1	42.9	3/8	7/16	1/2	13/16	1-1/16
3.13	184.7	42.8	3/8	7/16	1/2	13/16	1-1/16
3.14	185.3	42.7	3/8	7/16	1/2	13/16	1-1/16
3.15	185.9	42.5	3/8	7/16	1/2	13/16	1-1/16
3.16	186.4	42.4	3/8	7/16	1/2	13/16	1-1/16
3.17	187.0	42.3	3/8	7/16	1/2	13/16	1-1/16
3.18	187.6	42.1	3/8	7/16	1/2	13/16	1-1/16
3.19	188.2	42.0	3/8	7/16	1/2	13/16	1-1/16
3.2	188.8	41.9	3/8	7/16	1/2	13/16	1-1/16

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
3.21	189.4	41.7	3/8	7/16	1/2	13/16	1-1/16
3.22	190.0	41.6	3/8	7/16	1/2	13/16	1-1/16

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

3.23	190.6	41.5	3/8	7/16	1/2	13/16	1-1/16
3.24	191.2	41.4	3/8	7/16	1/2	13/16	1-1/16
3.25	191.8	41.2	3/8	7/16	1/2	13/16	1-1/16
3.26	192.3	41.1	3/8	7/16	1/2	13/16	1-1/16
3.27	192.9	41.0	3/8	7/16	1/2	13/16	1-1/16
3.28	193.5	40.8	3/8	7/16	1/2	13/16	1-1/16
3.29	194.1	40.7	3/8	7/16	1/2	13/16	1-1/16
3.3	194.7	40.6	3/8	7/16	1/2	13/16	1-1/16
3.31	195.3	40.5	3/8	3/8	1/2	3/4	1
3.32	195.9	40.4	3/8	3/8	1/2	3/4	1
3.33	196.5	40.2	3/8	3/8	1/2	3/4	1
3.34	197.1	40.1	3/8	3/8	1/2	3/4	1
3.35	197.7	40.0	3/8	3/8	1/2	3/4	1
3.36	198.2	39.9	3/8	3/8	1/2	3/4	1
3.37	198.8	39.8	3/8	3/8	1/2	3/4	1
3.38	199.4	39.6	3/8	3/8	1/2	3/4	1
3.39	200.0	39.5	3/8	3/8	1/2	3/4	1
3.4	200.6	39.4	3/8	3/8	1/2	3/4	1
3.41	201.2	39.3	3/8	3/8	1/2	3/4	1
3.42	201.8	39.2	3/8	3/8	1/2	3/4	1
3.43	202.4	39.1	3/8	3/8	1/2	3/4	1
3.44	203.0	38.9	3/8	3/8	1/2	3/4	1
3.45	203.6	38.8	3/8	3/8	1/2	3/4	1
3.46	204.1	38.7	3/8	3/8	1/2	3/4	1
3.47	204.7	38.6	3/8	3/8	1/2	3/4	1
3.48	205.3	38.5	3/8	3/8	1/2	3/4	1
3.49	205.9	38.4	3/8	3/8	1/2	3/4	1
3.5	206.5	38.3	3/8	3/8	1/2	3/4	1
3.51	207.1	38.2	3/8	3/8	1/2	3/4	1
3.52	207.7	38.1	3/8	3/8	1/2	3/4	1
3.53	208.3	38.0	3/8	3/8	1/2	3/4	1
3.54	208.9	37.8	3/8	3/8	1/2	3/4	1
3.55	209.5	37.7	3/8	3/8	1/2	3/4	1
3.56	210.0	37.6	3/8	3/8	1/2	3/4	1
3.57	210.6	37.5	3/8	3/8	1/2	3/4	1
3.58	211.2	37.4	3/8	3/8	1/2	3/4	15/16
3.59	211.8	37.3	3/8	3/8	1/2	3/4	15/16
3.6	212.4	37.2	3/8	3/8	1/2	3/4	15/16
3.61	213.0	37.1	3/8	3/8	1/2	3/4	15/16
3.62	213.6	37.0	3/8	3/8	1/2	3/4	15/16
3.63	214.2	36.9	3/8	3/8	1/2	3/4	15/16
3.64	214.8	36.8	3/8	3/8	1/2	3/4	15/16
3.65	215.4	36.7	3/8	3/8	1/2	3/4	15/16
3.66	215.9	36.6	3/8	3/8	1/2	3/4	15/16
3.67	216.5	36.5	3/8	3/8	1/2	11/16	15/16
3.68	217.1	36.4	3/8	3/8	1/2	11/16	15/16
3.69	217.7	36.3	3/8	3/8	1/2	11/16	15/16
3.7	218.3	36.2	3/8	3/8	1/2	11/16	15/16
3.71	218.9	36.1	3/8	3/8	1/2	11/16	15/16
3.72	219.5	36.0	3/8	3/8	1/2	11/16	15/16
3.73	220.1	35.9	3/8	3/8	1/2	11/16	15/16
3.74	220.7	35.8	3/8	3/8	1/2	11/16	15/16
3.75	221.3	35.7	3/8	3/8	1/2	11/16	15/16
3.76	221.8	35.6	3/8	3/8	1/2	11/16	15/16
3.77	222.4	35.5	3/8	3/8	1/2	11/16	15/16

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
3.78	223.0	35.4	3/8	3/8	1/2	11/16	15/16
3.79	223.6	35.4	3/8	3/8	1/2	11/16	15/16
3.8	224.2	35.3	3/8	3/8	1/2	11/16	15/16

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

3.81	224.8	35.2	3/8	3/8	1/2	11/16	15/16
3.82	225.4	35.1	3/8	3/8	1/2	11/16	15/16
3.83	226.0	35.0	3/8	3/8	1/2	11/16	15/16
3.84	226.6	34.9	3/8	3/8	1/2	11/16	15/16
3.85	227.2	34.8	3/8	3/8	1/2	11/16	15/16
3.86	227.7	34.7	3/8	3/8	1/2	11/16	15/16
3.87	228.3	34.6	3/8	3/8	1/2	11/16	15/16
3.88	228.9	34.5	3/8	3/8	7/16	11/16	7/8
3.89	229.5	34.4	3/8	3/8	7/16	11/16	7/8
3.9	230.1	34.4	3/8	3/8	7/16	11/16	7/8
3.91	230.7	34.3	3/8	3/8	7/16	11/16	7/8
3.92	231.3	34.2	3/8	3/8	7/16	11/16	7/8
3.93	231.9	34.1	3/8	3/8	7/16	11/16	7/8
3.94	232.5	34.0	3/8	3/8	7/16	11/16	7/8
3.95	233.1	33.9	3/8	3/8	7/16	11/16	7/8
3.96	233.6	33.8	3/8	3/8	7/16	11/16	7/8
3.97	234.2	33.7	3/8	3/8	7/16	11/16	7/8
3.98	234.8	33.7	3/8	3/8	7/16	11/16	7/8
3.99	235.4	33.6	3/8	3/8	7/16	11/16	7/8
4	236.0	33.5	3/8	3/8	7/16	11/16	7/8
4.01	236.6	33.4	3/8	3/8	7/16	11/16	7/8
4.02	237.2	33.3	3/8	3/8	7/16	11/16	7/8
4.03	237.8	33.2	3/8	3/8	7/16	11/16	7/8
4.04	238.4	33.2	3/8	3/8	7/16	11/16	7/8
4.05	239.0	33.1	3/8	3/8	7/16	11/16	7/8
4.06	239.5	33.0	3/8	3/8	7/16	11/16	7/8
4.07	240.1	32.9	3/8	3/8	7/16	11/16	7/8
4.08	240.7	32.8	3/8	3/8	7/16	11/16	7/8
4.09	241.3	32.8	3/8	3/8	7/16	11/16	7/8
4.1	241.9	32.7	3/8	3/8	7/16	5/8	7/8
4.11	242.5	32.6	3/8	3/8	7/16	5/8	7/8
4.12	243.1	32.5	3/8	3/8	7/16	5/8	7/8
4.13	243.7	32.4	3/8	3/8	7/16	5/8	7/8
4.14	244.3	32.4	3/8	3/8	7/16	5/8	7/8
4.15	244.9	32.3	3/8	3/8	7/16	5/8	7/8
4.16	245.4	32.2	3/8	3/8	7/16	5/8	7/8
4.17	246.0	32.1	3/8	3/8	7/16	5/8	7/8
4.18	246.6	32.1	3/8	3/8	7/16	5/8	7/8
4.19	247.2	32.0	3/8	3/8	7/16	5/8	7/8
4.2	247.8	31.9	3/8	3/8	7/16	5/8	7/8
4.21	248.4	31.8	3/8	3/8	7/16	5/8	7/8
4.22	249.0	31.7	3/8	3/8	7/16	5/8	7/8
4.23	249.6	31.7	3/8	3/8	7/16	5/8	13/16
4.24	250.2	31.6	3/8	3/8	7/16	5/8	13/16
4.25	250.8	31.5	3/8	3/8	7/16	5/8	13/16
4.26	251.3	31.5	3/8	3/8	7/16	5/8	13/16
4.27	251.9	31.4	3/8	3/8	7/16	5/8	13/16
4.28	252.5	31.3	3/8	3/8	7/16	5/8	13/16
4.29	253.1	31.2	3/8	3/8	7/16	5/8	13/16
4.3	253.7	31.2	3/8	3/8	7/16	5/8	13/16
4.31	254.3	31.1	3/8	3/8	7/16	5/8	13/16
4.32	254.9	31.0	3/8	3/8	7/16	5/8	13/16
4.33	255.5	30.9	3/8	3/8	7/16	5/8	13/16
4.34	256.1	30.9	3/8	3/8	7/16	5/8	13/16

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFECO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
4.35	256.7	30.8	3/8	3/8	7/16	5/8	13/16
4.36	257.2	30.7	3/8	3/8	7/16	5/8	13/16
4.37	257.8	30.7	3/8	3/8	7/16	5/8	13/16
4.38	258.4	30.6	3/8	3/8	7/16	5/8	13/16

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

4.39	259.0	30.5	3/8	3/8	7/16	5/8	13/16
4.4	259.6	30.5	3/8	3/8	7/16	5/8	13/16
4.41	260.2	30.4	3/8	3/8	7/16	5/8	13/16
4.42	260.8	30.3	3/8	3/8	7/16	5/8	13/16
4.43	261.4	30.2	3/8	3/8	7/16	5/8	13/16
4.44	262.0	30.2	3/8	3/8	7/16	5/8	13/16
4.45	262.6	30.1	3/8	3/8	7/16	5/8	13/16
4.46	263.1	30.0	3/8	3/8	7/16	5/8	13/16
4.47	263.7	30.0	3/8	3/8	7/16	5/8	13/16
4.48	264.3	29.9	3/8	3/8	7/16	5/8	13/16
4.49	264.9	29.8	3/8	3/8	7/16	5/8	13/16
4.5	265.5	29.8	3/8	3/8	7/16	5/8	13/16
4.51	266.1	29.7	3/8	3/8	7/16	5/8	13/16
4.52	266.7	29.6	3/8	3/8	7/16	5/8	13/16
4.53	267.3	29.6	3/8	3/8	7/16	5/8	13/16
4.54	267.9	29.5	3/8	3/8	7/16	5/8	13/16
4.55	268.5	29.4	3/8	3/8	7/16	5/8	13/16
4.56	269.0	29.4	3/8	3/8	7/16	5/8	13/16
4.57	269.6	29.3	3/8	3/8	7/16	5/8	13/16
4.58	270.2	29.3	3/8	3/8	7/16	5/8	13/16
4.59	270.8	29.2	3/8	3/8	7/16	5/8	13/16
4.6	271.4	29.1	3/8	3/8	7/16	5/8	13/16
4.61	272.0	29.1	3/8	3/8	7/16	5/8	13/16
4.62	272.6	29.0	3/8	3/8	7/16	5/8	13/16
4.63	273.2	28.9	3/8	3/8	3/8	9/16	3/4
4.64	273.8	28.9	3/8	3/8	3/8	9/16	3/4
4.65	274.4	28.8	3/8	3/8	3/8	9/16	3/4
4.66	274.9	28.8	3/8	3/8	3/8	9/16	3/4
4.67	275.5	28.7	3/8	3/8	3/8	9/16	3/4
4.68	276.1	28.6	3/8	3/8	3/8	9/16	3/4
4.69	276.7	28.6	3/8	3/8	3/8	9/16	3/4
4.7	277.3	28.5	3/8	3/8	3/8	9/16	3/4
4.71	277.9	28.4	3/8	3/8	3/8	9/16	3/4
4.72	278.5	28.4	3/8	3/8	3/8	9/16	3/4
4.73	279.1	28.3	3/8	3/8	3/8	9/16	3/4
4.74	279.7	28.3	3/8	3/8	3/8	9/16	3/4
4.75	280.3	28.2	3/8	3/8	3/8	9/16	3/4
4.76	280.8	28.1	3/8	3/8	3/8	9/16	3/4
4.77	281.4	28.1	3/8	3/8	3/8	9/16	3/4
4.78	282.0	28.0	3/8	3/8	3/8	9/16	3/4
4.79	282.6	28.0	3/8	3/8	3/8	9/16	3/4
4.8	283.2	27.9	3/8	3/8	3/8	9/16	3/4
4.81	283.8	27.9	3/8	3/8	3/8	9/16	3/4
4.82	284.4	27.8	3/8	3/8	3/8	9/16	3/4
4.83	285.0	27.7	3/8	3/8	3/8	9/16	3/4
4.84	285.6	27.7	3/8	3/8	3/8	9/16	3/4
4.85	286.2	27.6	3/8	3/8	3/8	9/16	3/4
4.86	286.7	27.6	3/8	3/8	3/8	9/16	3/4
4.87	287.3	27.5	3/8	3/8	3/8	9/16	3/4
4.88	287.9	27.5	3/8	3/8	3/8	9/16	3/4
4.89	288.5	27.4	3/8	3/8	3/8	9/16	3/4
4.9	289.1	27.3	3/8	3/8	3/8	9/16	3/4
4.91	289.7	27.3	3/8	3/8	3/8	9/16	3/4

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
4.92	290.3	27.2	3/8	3/8	3/8	9/16	3/4
4.93	290.9	27.2	3/8	3/8	3/8	9/16	3/4
4.94	291.5	27.1	3/8	3/8	3/8	9/16	3/4
4.95	292.1	27.1	3/8	3/8	3/8	9/16	3/4
4.96	292.6	27.0	3/8	3/8	3/8	9/16	3/4

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

4.97	293.2	27.0	3/8	3/8	3/8	9/16	3/4
4.98	293.8	26.9	3/8	3/8	3/8	9/16	3/4
4.99	294.4	26.9	3/8	3/8	3/8	9/16	3/4
5	295.0	26.8	3/8	3/8	3/8	9/16	3/4
5.01	295.6	26.7	3/8	3/8	3/8	9/16	3/4
5.02	296.2	26.7	3/8	3/8	3/8	9/16	3/4
5.03	296.8	26.6	3/8	3/8	3/8	9/16	3/4
5.04	297.4	26.6	3/8	3/8	3/8	9/16	3/4
5.05	298.0	26.5	3/8	3/8	3/8	9/16	3/4
5.06	298.5	26.5	3/8	3/8	3/8	9/16	3/4
5.07	299.1	26.4	3/8	3/8	3/8	9/16	3/4
5.08	299.7	26.4	3/8	3/8	3/8	9/16	3/4
5.09	300.3	26.3	3/8	3/8	3/8	9/16	3/4
5.1	300.9	26.3	3/8	3/8	3/8	9/16	3/4
5.11	301.5	26.2	3/8	3/8	3/8	9/16	11/16
5.12	302.1	26.2	3/8	3/8	3/8	9/16	11/16
5.13	302.7	26.1	3/8	3/8	3/8	9/16	11/16
5.14	303.3	26.1	3/8	3/8	3/8	9/16	11/16
5.15	303.9	26.0	3/8	3/8	3/8	9/16	11/16
5.16	304.4	26.0	3/8	3/8	3/8	9/16	11/16
5.17	305.0	25.9	3/8	3/8	3/8	9/16	11/16
5.18	305.6	25.9	3/8	3/8	3/8	9/16	11/16
5.19	306.2	25.8	3/8	3/8	3/8	9/16	11/16
5.2	306.8	25.8	3/8	3/8	3/8	9/16	11/16
5.21	307.4	25.7	3/8	3/8	3/8	9/16	11/16
5.22	308.0	25.7	3/8	3/8	3/8	9/16	11/16
5.23	308.6	25.6	3/8	3/8	3/8	9/16	11/16
5.24	309.2	25.6	3/8	3/8	3/8	9/16	11/16
5.25	309.8	25.5	3/8	3/8	3/8	9/16	11/16
5.26	310.3	25.5	3/8	3/8	3/8	9/16	11/16
5.27	310.9	25.4	3/8	3/8	3/8	9/16	11/16
5.28	311.5	25.4	3/8	3/8	3/8	9/16	11/16
5.29	312.1	25.3	3/8	3/8	3/8	1/2	11/16
5.3	312.7	25.3	3/8	3/8	3/8	1/2	11/16
5.31	313.3	25.2	3/8	3/8	3/8	1/2	11/16
5.32	313.9	25.2	3/8	3/8	3/8	1/2	11/16
5.33	314.5	25.1	3/8	3/8	3/8	1/2	11/16
5.34	315.1	25.1	3/8	3/8	3/8	1/2	11/16
5.35	315.7	25.0	3/8	3/8	3/8	1/2	11/16
5.36	316.2	25.0	3/8	3/8	3/8	1/2	11/16
5.37	316.8	25.0	3/8	3/8	3/8	1/2	11/16
5.38	317.4	24.9	3/8	3/8	3/8	1/2	11/16
5.39	318.0	24.9	3/8	3/8	3/8	1/2	11/16
5.4	318.6	24.8	3/8	3/8	3/8	1/2	11/16
5.41	319.2	24.8	3/8	3/8	3/8	1/2	11/16
5.42	319.8	24.7	3/8	3/8	3/8	1/2	11/16
5.43	320.4	24.7	3/8	3/8	3/8	1/2	11/16
5.44	321.0	24.6	3/8	3/8	3/8	1/2	11/16
5.45	321.6	24.6	3/8	3/8	3/8	1/2	11/16
5.46	322.1	24.5	3/8	3/8	3/8	1/2	11/16
5.47	322.7	24.5	3/8	3/8	3/8	1/2	11/16
5.48	323.3	24.4	3/8	3/8	3/8	1/2	11/16

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
5.49	323.9	24.4	3/8	3/8	3/8	1/2	11/16
5.5	324.5	24.4	3/8	3/8	3/8	1/2	11/16
5.51	325.1	24.3	3/8	3/8	3/8	1/2	11/16
5.52	325.7	24.3	3/8	3/8	3/8	1/2	11/16
5.53	326.3	24.2	3/8	3/8	3/8	1/2	11/16
5.54	326.9	24.2	3/8	3/8	3/8	1/2	11/16

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

5.55	327.5	24.1	3/8	3/8	3/8	1/2	11/16
5.56	328.0	24.1	3/8	3/8	3/8	1/2	11/16
5.57	328.6	24.1	3/8	3/8	3/8	1/2	11/16
5.58	329.2	24.0	3/8	3/8	3/8	1/2	11/16
5.59	329.8	24.0	3/8	3/8	3/8	1/2	11/16
5.6	330.4	23.9	3/8	3/8	3/8	1/2	11/16
5.61	331.0	23.9	3/8	3/8	3/8	1/2	11/16
5.62	331.6	23.8	3/8	3/8	3/8	1/2	11/16
5.63	332.2	23.8	3/8	3/8	3/8	1/2	11/16
5.64	332.8	23.8	3/8	3/8	3/8	1/2	11/16
5.65	333.4	23.7	3/8	3/8	3/8	1/2	11/16
5.66	333.9	23.7	3/8	3/8	3/8	1/2	11/16
5.67	334.5	23.6	3/8	3/8	3/8	1/2	11/16
5.68	335.1	23.6	3/8	3/8	3/8	1/2	11/16
5.69	335.7	23.5	3/8	3/8	3/8	1/2	5/8
5.7	336.3	23.5	3/8	3/8	3/8	1/2	5/8
5.71	336.9	23.5	3/8	3/8	3/8	1/2	5/8
5.72	337.5	23.4	3/8	3/8	3/8	1/2	5/8
5.73	338.1	23.4	3/8	3/8	3/8	1/2	5/8
5.74	338.7	23.3	3/8	3/8	3/8	1/2	5/8
5.75	339.3	23.3	3/8	3/8	3/8	1/2	5/8
5.76	339.8	23.3	3/8	3/8	3/8	1/2	5/8
5.77	340.4	23.2	3/8	3/8	3/8	1/2	5/8
5.78	341.0	23.2	3/8	3/8	3/8	1/2	5/8
5.79	341.6	23.1	3/8	3/8	3/8	1/2	5/8
5.8	342.2	23.1	3/8	3/8	3/8	1/2	5/8
5.81	342.8	23.1	3/8	3/8	3/8	1/2	5/8
5.82	343.4	23.0	3/8	3/8	3/8	1/2	5/8
5.83	344.0	23.0	3/8	3/8	3/8	1/2	5/8
5.84	344.6	22.9	3/8	3/8	3/8	1/2	5/8
5.85	345.2	22.9	3/8	3/8	3/8	1/2	5/8
5.86	345.7	22.9	3/8	3/8	3/8	1/2	5/8
5.87	346.3	22.8	3/8	3/8	3/8	1/2	5/8
5.88	346.9	22.8	3/8	3/8	3/8	1/2	5/8
5.89	347.5	22.7	3/8	3/8	3/8	1/2	5/8
5.9	348.1	22.7	3/8	3/8	3/8	1/2	5/8
5.91	348.7	22.7	3/8	3/8	3/8	1/2	5/8
5.92	349.3	22.6	3/8	3/8	3/8	1/2	5/8
5.93	349.9	22.6	3/8	3/8	3/8	1/2	5/8
5.94	350.5	22.6	3/8	3/8	3/8	1/2	5/8
5.95	351.1	22.5	3/8	3/8	3/8	1/2	5/8
5.96	351.6	22.5	3/8	3/8	3/8	1/2	5/8
5.97	352.2	22.4	3/8	3/8	3/8	1/2	5/8
5.98	352.8	22.4	3/8	3/8	3/8	1/2	5/8
5.99	353.4	22.4	3/8	3/8	3/8	1/2	5/8
6	354.0	22.3	3/8	3/8	3/8	1/2	5/8
6.01	354.6	22.3	3/8	3/8	3/8	1/2	5/8
6.02	355.2	22.3	3/8	3/8	3/8	1/2	5/8
6.03	355.8	22.2	3/8	3/8	3/8	1/2	5/8
6.04	356.4	22.2	3/8	3/8	3/8	1/2	5/8
6.05	357.0	22.1	3/8	3/8	3/8	1/2	5/8

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFECO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
6.06	357.5	22.1	3/8	3/8	3/8	1/2	5/8
6.07	358.1	22.1	3/8	3/8	3/8	1/2	5/8
6.08	358.7	22.0	3/8	3/8	3/8	1/2	5/8
6.09	359.3	22.0	3/8	3/8	3/8	1/2	5/8
6.1	359.9	22.0	3/8	3/8	3/8	1/2	5/8
6.11	360.5	21.9	3/8	3/8	3/8	1/2	5/8
6.12	361.1	21.9	3/8	3/8	3/8	1/2	5/8

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

6.13	361.7	21.9	3/8	3/8	3/8	1/2	5/8
6.14	362.3	21.8	3/8	3/8	3/8	7/16	5/8
6.15	362.9	21.8	3/8	3/8	3/8	7/16	5/8
6.16	363.4	21.8	3/8	3/8	3/8	7/16	5/8
6.17	364.0	21.7	3/8	3/8	3/8	7/16	5/8
6.18	364.6	21.7	3/8	3/8	3/8	7/16	5/8
6.19	365.2	21.6	3/8	3/8	3/8	7/16	5/8
6.2	365.8	21.6	3/8	3/8	3/8	7/16	5/8
6.21	366.4	21.6	3/8	3/8	3/8	7/16	5/8
6.22	367.0	21.5	3/8	3/8	3/8	7/16	5/8
6.23	367.6	21.5	3/8	3/8	3/8	7/16	5/8
6.24	368.2	21.5	3/8	3/8	3/8	7/16	5/8
6.25	368.8	21.4	3/8	3/8	3/8	7/16	5/8
6.26	369.3	21.4	3/8	3/8	3/8	7/16	5/8
6.27	369.9	21.4	3/8	3/8	3/8	7/16	5/8
6.28	370.5	21.3	3/8	3/8	3/8	7/16	5/8
6.29	371.1	21.3	3/8	3/8	3/8	7/16	5/8
6.3	371.7	21.3	3/8	3/8	3/8	7/16	5/8
6.31	372.3	21.2	3/8	3/8	3/8	7/16	5/8
6.32	372.9	21.2	3/8	3/8	3/8	7/16	5/8
6.33	373.5	21.2	3/8	3/8	3/8	7/16	5/8
6.34	374.1	21.1	3/8	3/8	3/8	7/16	5/8
6.35	374.7	21.1	3/8	3/8	3/8	7/16	5/8
6.36	375.2	21.1	3/8	3/8	3/8	7/16	5/8
6.37	375.8	21.0	3/8	3/8	3/8	7/16	5/8
6.38	376.4	21.0	3/8	3/8	3/8	7/16	5/8
6.39	377.0	21.0	3/8	3/8	3/8	7/16	9/16
6.4	377.6	20.9	3/8	3/8	3/8	7/16	9/16
6.41	378.2	20.9	3/8	3/8	3/8	7/16	9/16
6.42	378.8	20.9	3/8	3/8	3/8	7/16	9/16
6.43	379.4	20.8	3/8	3/8	3/8	7/16	9/16
6.44	380.0	20.8	3/8	3/8	3/8	7/16	9/16
6.45	380.6	20.8	3/8	3/8	3/8	7/16	9/16
6.46	381.1	20.7	3/8	3/8	3/8	7/16	9/16
6.47	381.7	20.7	3/8	3/8	3/8	7/16	9/16
6.48	382.3	20.7	3/8	3/8	3/8	7/16	9/16
6.49	382.9	20.6	3/8	3/8	3/8	7/16	9/16
6.5	383.5	20.6	3/8	3/8	3/8	7/16	9/16
6.51	384.1	20.6	3/8	3/8	3/8	7/16	9/16
6.52	384.7	20.5	3/8	3/8	3/8	7/16	9/16
6.53	385.3	20.5	3/8	3/8	3/8	7/16	9/16
6.54	385.9	20.5	3/8	3/8	3/8	7/16	9/16
6.55	386.5	20.5	3/8	3/8	3/8	7/16	9/16
6.56	387.0	20.4	3/8	3/8	3/8	7/16	9/16
6.57	387.6	20.4	3/8	3/8	3/8	7/16	9/16
6.58	388.2	20.4	3/8	3/8	3/8	7/16	9/16
6.59	388.8	20.3	3/8	3/8	3/8	7/16	9/16
6.6	389.4	20.3	3/8	3/8	3/8	7/16	9/16
6.61	390.0	20.3	3/8	3/8	3/8	7/16	9/16
6.62	390.6	20.2	3/8	3/8	3/8	7/16	9/16

Misc. Shapes (other)

Full W/D Ratio Range (0.33 to 6.76)

CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

W/D	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
6.63	391.2	20.2	3/8	3/8	3/8	7/16	9/16
6.64	391.8	20.2	3/8	3/8	3/8	7/16	9/16
6.65	392.4	20.1	3/8	3/8	3/8	7/16	9/16
6.66	392.9	20.1	3/8	3/8	3/8	7/16	9/16
6.67	393.5	20.1	3/8	3/8	3/8	7/16	9/16
6.68	394.1	20.1	3/8	3/8	3/8	7/16	9/16
6.69	394.7	20.0	3/8	3/8	3/8	7/16	9/16
6.7	395.3	20.0	3/8	3/8	3/8	7/16	9/16

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.

6.71	395.9	20.0	3/8	3/8	3/8	7/16	9/16
6.72	396.5	19.9	3/8	3/8	3/8	7/16	9/16
6.73	397.1	19.9	3/8	3/8	3/8	7/16	9/16
6.74	397.7	19.9	3/8	3/8	3/8	7/16	9/16
6.75	398.3	19.8	3/8	3/8	3/8	7/16	9/16
6.76	398.8	19.8	3/8	3/8	3/8	3/8	9/16

Note: Based on column design X829. Use for shapes where the W/D, M/D or Hp/A fall within the specified value.