

IBDT, T1 AND T2 STYLE A AND B THINLINE CURTAIN TYPE STATIC FIRE DAMPERS 1 1/2 HOUR RATING FOR USE IN STATIC SYSTEMS

APPLICATION

The Model IBDT is a thinline fire damper that can be installed vertically in walls or horizontally in floors with fire resistance ratings of less than 3 hours. The IBDT carries a 1 1/2 hour UL fire damper label and is classified as a static damper for use in HVAC systems that shut down during a fire.

STANDARD CONSTRUCTION

FRAME

20 gage (1.0) galvanized, steel channel (see page 2).

BLADES

24 gage (.7) galvanized curtain type in airstream.

CLOSURE SPRINGS (HORIZONTAL ONLY)

301 stainless steel constant force type.

FUSIBLE LINK

165°F (74°C) is standard. 212°F (100°C) is available.

DAMPER SIZES

MINIMUM SIZE

Vertical Installation – 4"w x 4"h (102 x 102)

Horizontal Installation – 6"w x 6"h (152 x 152)

MAXIMUM SIZE

Single Section

Vertical Installation – 40"w x 48"h (1016 x 1219)

Horizontal Installation – 60"w x 12"h (1524 x 305)

OPTIONS

- **FM Approved** as Specification Tested Product.
- **Switch Package** to remotely indicate damper blade position.
- **FAST Angle** for one side angle installation.
- **Sleeve** of various lengths and gages to insure field compliance with UL installation requirements.
- **Access Door** factory mounted in common sleeve to ensure compliance with UL installation requirements.
- **FireStop Caulk Installation.**

Dimensions shown in parentheses () indicate millimeters.

Model IBDT meets the requirements for fire, dampers established by:

- **National Fire Protection Association NFPA Standards** 90A and 101
- **BOCA National Building Codes**
- **ICBO Uniform Building Codes**
- **SBCI Standard Building Codes**
- **ICC International Building Codes**
- **CSFM California State Fire Marshal Fire Damper Listing** (#3225-245:005)
- **New York City** (BSA Listing #292-71-SA)

UL CLASSIFIED

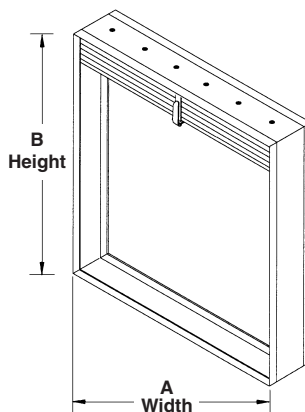
UL555 Listing R5531



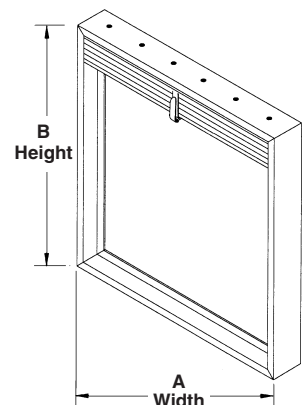
SEE COMPLETE
MARKING
ON PRODUCT



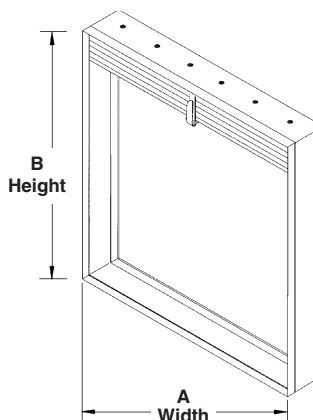
SPECIFICATION
TESTED PRODUCT
(OPTION)



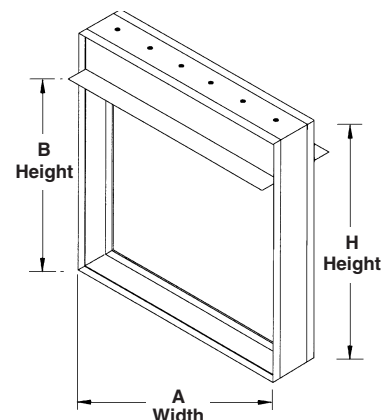
IBDT STYLE A



IBDT1 STYLE A

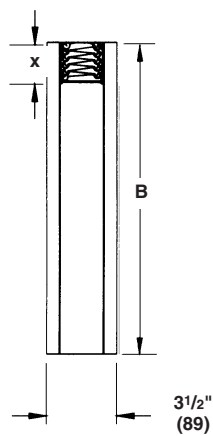


IBDT2 STYLE A

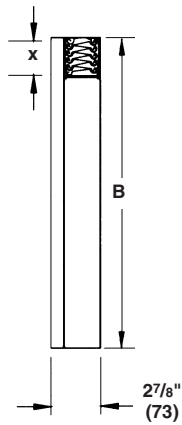


IBDT STYLE B

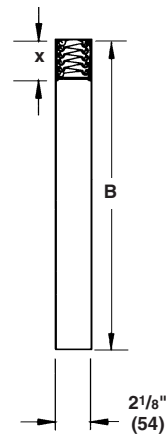
STYLE A DIMENSIONS



IBDT



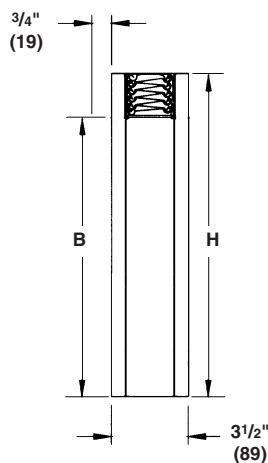
IBDT1



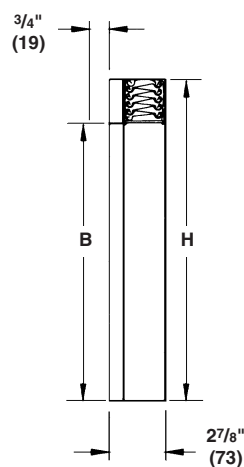
IBDT2

B		X	
4	(102)	1 5/8	(41)
5	(127)	1 7/8	(48)
6	(152)	1 7/8	(48)
7	(178)	2	(51)
8	(203)	2 1/4	(57)
9	(229)	2 1/2	(63)
10	(254)	2 3/4	(69)
11	(279)	3	(76)
12	(305)	3 1/4	(83)
13	(330)	3 1/2	(89)
14	(356)	3 1/2	(89)
15	(381)	3 5/8	(92)
16	(406)	3 7/8	(98)
17	(432)	4 1/8	(105)
18	(457)	4 3/8	(111)
19	(483)	4 5/8	(117)
20	(508)	4 7/8	(124)
21	(533)	5	(127)
22	(559)	5 1/4	(133)
23	(584)	5 1/4	(133)
24	(610)	5 1/2	(140)
25	(635)	5 3/4	(146)
26	(660)	5 7/8	(149)
27	(686)	6 1/8	(156)
28	(711)	6 3/8	(162)
29	(737)	6 5/8	(168)
30	(762)	6 7/8	(175)
31	(787)	7	(178)
32	(813)	7	(178)
33	(838)	7 1/4	(184)
34	(864)	7 1/2	(190)
35	(889)	7 3/4	(197)
36	(914)	8	(203)
37	(940)	8 1/8	(206)
38	(965)	8	(213)
39	(991)	8 5/8	(219)
40	(1016)	8 5/8	(219)
41	(1041)	8 7/8	(225)
42	(1067)	9	(229)
43	(1082)	9 1/4	(235)
44	(1118)	9 1/2	(241)
45	(1143)	9 3/4	(248)
46	(1168)	10	(254)
47	(1194)	10 1/4	(260)
48	(1219)	10 3/8	(264)

STYLE B DIMENSIONS



IBDT



IBDT1

B		H	
4	(102)	5 3/4	(146)
5	(127)	6 3/4	(171)
6	(152)	7 3/4	(197)
7	(178)	8 3/4	(222)
8	(203)	10 3/4	(273)
9	(229)	11 3/4	(298)
10	(254)	12 3/4	(323)
11	(279)	13 3/4	(349)
12	(305)	14 3/4	(375)
13	(330)	16 3/4	(425)
14	(356)	17 3/4	(451)
15	(381)	18 3/4	(476)
16	(406)	20 3/4	(527)
17	(432)	21 3/4	(552)
18	(457)	22 3/4	(578)
19	(483)	23 3/4	(603)
20	(508)	24 3/4	(628)
21	(533)	26 3/4	(679)
22	(559)	27 3/4	(705)
23	(584)	28 3/4	(730)
24	(610)	30 3/4	(781)
25	(635)	31 3/4	(806)
26	(660)	32 3/4	(832)
27	(686)	33 3/4	(857)
28	(711)	34 3/4	(883)
29	(737)	36 3/4	(933)
30	(762)	37 3/4	(959)
31	(787)	38 3/4	(984)
32	(813)	39 3/4	(1010)
33	(838)	40 3/4	(1035)
34	(864)	42 3/4	(1086)
35	(889)	43 3/4	(1111)
36	(914)	44 3/4	(1137)
37	(940)	45 3/4	(1162)
38	(965)	47 1/4	(1200)

Dimensions shown in parentheses () indicate millimeters.

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