

Fire & Leakage Rated Dampers – IBD-FS

Assembly and Dimensional Information

[A & B Dimensions allow 6 mm clearance for mounting sleeve of nominated size]

Model: IBD-FS-A-V

Interlocking blade, vertical (wall) mounting damper, gravity operated, blade stack located **within air stream**.

Minimum size A 100 x B 160 mm.

Maximum size A 1200 x B 1200 mm. (Single Section).

Model: IBD-FS-B-V

Interlocking blade, vertical (wall) mounting damper, gravity operated, blade stack located **out of air stream**.

Minimum size A 100 x B 135 mm.

Maximum size A 1200 x B 1046 mm. (Single Section).

Model: IBD-FS-A-V (multiple)

The IBD-FS multiple is tested in accordance with AS1530.4-2014 and can be built up to a maximum of 3 units wide by 2 units high, giving a maximum damper size of 3600mm x 2400mm.

IBD-FS multiple section fire dampers are supplied with a 65mm wide support mullion between damper sections. This is to meet the pressure requirements of AS1530.4-2014.

• Exova Warringtonfire

Fire Test Assessment Report Certificate No. SFC 46883300.1.
IBD-FS Modular Damper mounted in a 140mm thick masonry wall or concrete slab.
[Certified for up to 240 minute fire rating].

Depending on the size of the fire damper and site access considerations the damper may be supplied in parts for on-site assembly. Contact your local Holyoake branch to discuss this option.

The damper assemblies do not provide structural support.

Alternatively, if individual damper sections are installed they must be separated by a minimum of 200 mm of structural support, of the same fire rating as the rest of the surrounding structure and in accordance with AS 1530.4-2014.

See multiple section damper installation details on page 343H for more information.

Model: IBD-FS-B-V (multiple)

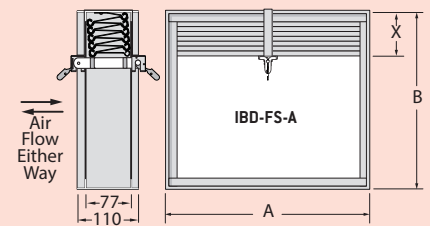
See above for details, except Style 'B' assemblies where more than one unit high, would consist of "B" type units in the top row and "A" type in the bottom row (as illustrated).

Note: All IBD-FS dampers are fitted with Test Latch Links.

IBD-FS Duct Connection Style 'A' (Single Section Damper Heights).

Dimension 'B'		Dimension 'X'
From	To	
160	- 183*	30
184	- 303*	42
304	- 423	54
424	- 543	66
544	- 663	78
664	- 783	90
784	- 903	102
904	- 1023	114
1024	- 1143	126
1144	- 1200	138

+ For testing purposes below 210 mm will require complete removal of link and blades dropped manually.



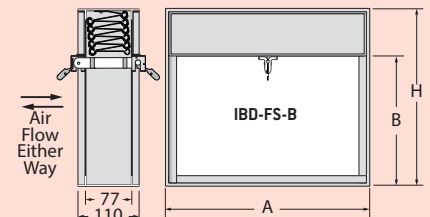
Mounting Sleeve omitted for clarity, refer to pages 339H - 344H.

IBD-FS Duct Connection Style 'B' (Single Section Damper Heights).

Dimension 'B'		Dimension 'H' = B +
From	To	
135	- 143**	29
144	- 358**	54
359	- 573	79
574	- 788	104
789	- 1003	129
1004	- 1046	154

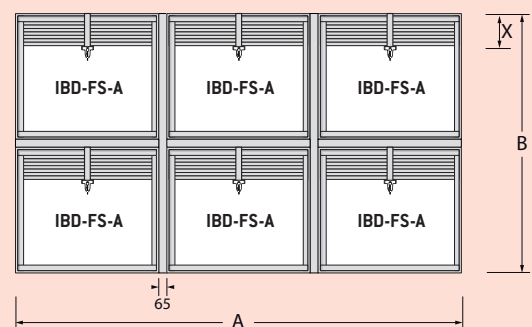
** For testing purposes below 160 mm will require complete removal of link and blades dropped manually.

* Restricted minimum height when fitted with Electro Thermal Resettable Links. (See separate table).

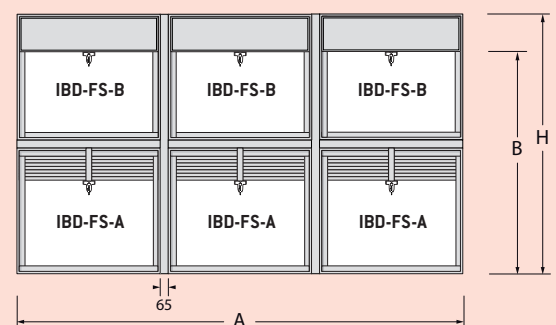


Mounting Sleeve omitted for clarity, refer to pages 339H - 344H.

Model: IBD-FS-A-V (Multiple)



Model: IBD-FS-B-V (Multiple)



Mounting Sleeve omitted for clarity, refer to pages 339H - 344H.

Notes

1. In specifying a fire damper the width should always be stated first and the height second (* Maximum diameter 1014 mm).

2. Nominal dimensions are opening sizes and allow clearance for insertion into mounting sleeve:

6 mm Duct Connection A & B. 3 mm Duct Connection C, CR & CO.
Where this allowance is not required specify "exact size".

IBD-FS – Fire & Leakage Rated Dampers

Assembly and Dimensional Information

(A & B (Duct) Dimensions allow 3 mm clearance for duct of nominated size).
All IBD-FS-C styles, blade stacks located **out of air stream**.

Model: IBD-FS-C-V

Interlocking blade, vertical (wall) mounting damper, gravity operated, fitted with enclosure plates and square, or rectangular spigots to suit duct connections.

Minimum size A 100 (Duct) x B 140 (Duct).

Maximum size A 1136 (Duct) x B 1014 (Duct),
(Single Section).

Model: IBD-FS-CR-V

Interlocking blade, vertical (wall) mounting damper, gravity operated, fitted with enclosure plates and round spigots to suit duct connections.

Minimum size B 150 (Duct Diameter).

Maximum size B 1014 (Duct Diameter),
(Single Section).

Model: IBD-FS-CO-V

Interlocking blade, vertical (wall) mounting damper, gravity operated, fitted with enclosure plates and oval spigots to suit duct connections.

Minimum size A 100 (Duct) x B 150 (Duct).

Maximum size A 1136 (Duct) x B 1014 (Duct),
(Single Section).

Typical Multiple Assembly

In accordance with AS1530.4-2014, where a damper exceeds the the maximum test size it may be built into a modular assembly of dampers, with approval from a registered testing authority.

Maximum multiple unit module for IBD-FS dampers is 3 wide by 2 high single sections.*

Where 'H' requires more than one section, the blade stack for the lower section will be in the air stream.

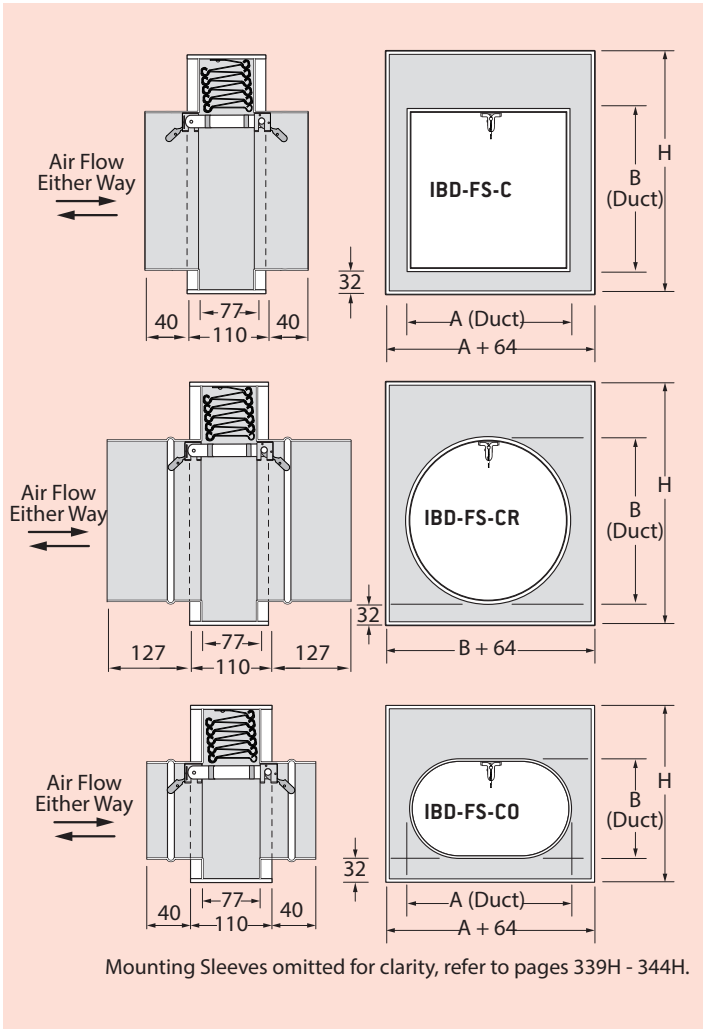
The extent of this obstruction may be determined from the table to the right, for the appropriate size. Dimension in the right hand column minus 32 mm.

Adequate fire rated bracing must be provided by the installer to prevent collapse of multiple unit assemblies when closed, even under relatively low pressure differential conditions.

Multi section units must be installed with suitable supporting construction to adhere to BCA, or Local Authority Building Control Approval.

The damper assemblies do not provide structural support.

Alternatively, if individual damper sections are installed they must be separated by a minimum of 200 mm of structural support, of the same fire rating as the rest of the surrounding structure and in accordance with AS 1530.4-2014.



Mounting Sleeves omitted for clarity, refer to pages 339H - 344H.

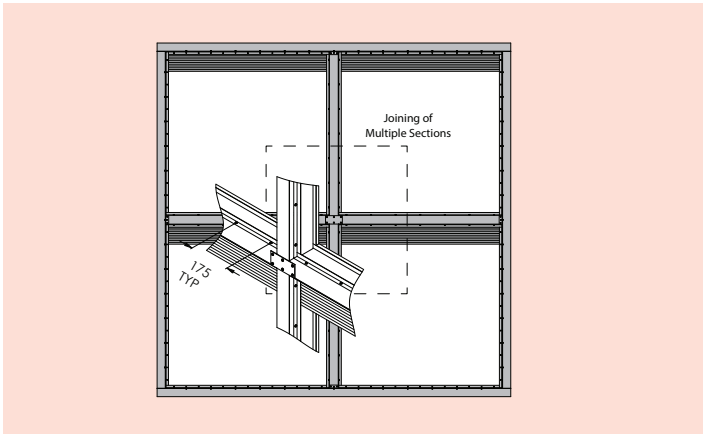
Note: All IBD-FS dampers are fitted with Test Latch Links.

IBD-FS Duct Connection Style 'C', 'CR' & 'CO' (Single Section Damper Heights).

Dimension 'B'		Dimension 'H' = B +
From	To	
150	- 326*++	86
327	- 541	111
542	- 756	136
757	- 971	161
972	- 1014	186

* Restricted minimum (DUCT) height/diameter when fitted with Electro Thermal Resettable Links, (See separate table).

++ For testing purposes below 150 mm will require complete removal of link and blades dropped manually, (IBD-FS-C Only).



Fire & Leakage Rated Dampers – IBD-FS

Assembly and Dimensional Information

[A & B Dimensions allow 6 mm clearance for mounting sleeve of nominated size]

Model: IBD-FS-A-H

Interlocking blade, horizontal (floor) mounting damper, constant force spring operated, blade stack located **within air stream**.

Minimum size A 100 x B 180 mm.

Maximum size A 1200 x B 1200 mm.

[Single Section].

Model: IBD-FS-B-H

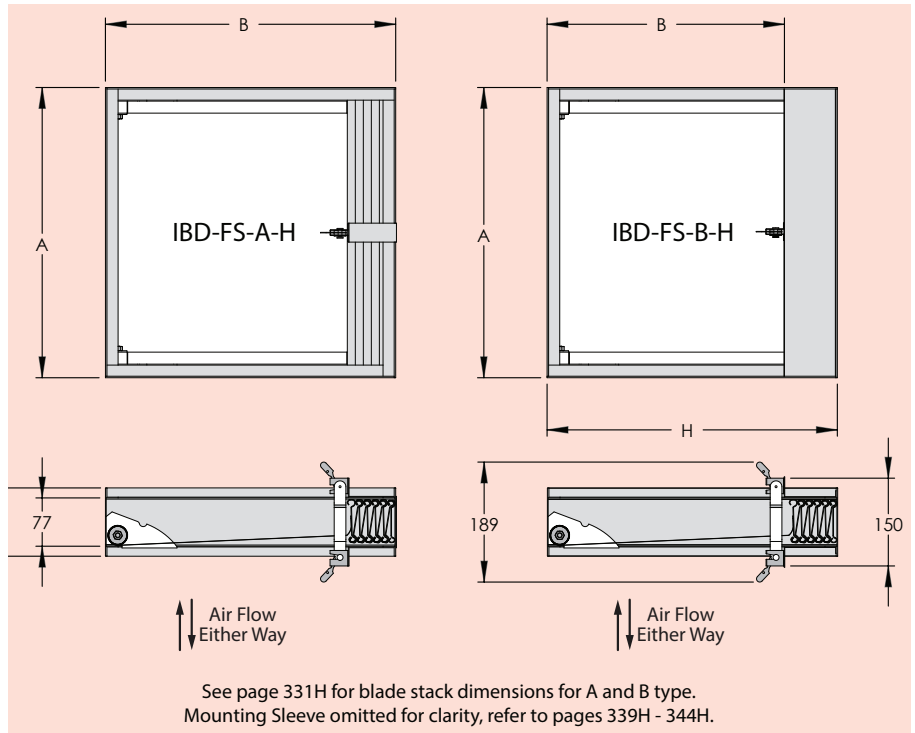
Interlocking blade, horizontal (floor) mounting damper, constant force spring operated, blade stack located **out of air stream**.

Minimum size A 100 x B 144 mm.

Maximum size A 1200 x B 1046 mm.

[Single Section].

Note: All IBD-FS dampers are fitted with Test Latch Links.



Model: IBD-FS-A-H (multiple)

The IBD-FS multiple is tested in accordance with AS1530.4-2014 and can be built up to a maximum of 3 units wide by 2 units high, giving a maximum damper size of 3600mm x 2400mm.

IBD-FS multiple section fire dampers are supplied with a 65mm wide support mullion between damper sections. This is to meet the pressure requirements of AS1530.4-2014.

• Exova Warringtonfire
Fire Test Assessment Report Certificate No. SFC
46883300.1.

IBD - FS Modular Damper mounted in a 140mm thick masonry wall or concrete slab.

[Certified for up to 240 minute fire rating].

Depending on the size of the fire damper and site access considerations the damper may be supplied in parts for on-site assembly. Contact your local Holyoake branch to discuss this option.

The damper assemblies do not provide structural support.

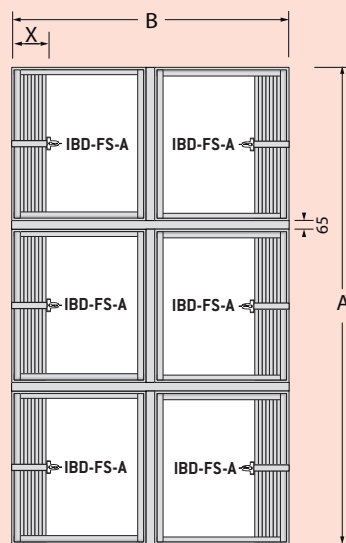
Alternatively, if individual damper sections are installed they must be separated by a minimum of 200 mm of structural support, of the same fire rating as the rest of the surrounding structure and in accordance with AS 1530.4-2014.

See multiple section damper installation details on page 343H for more information.

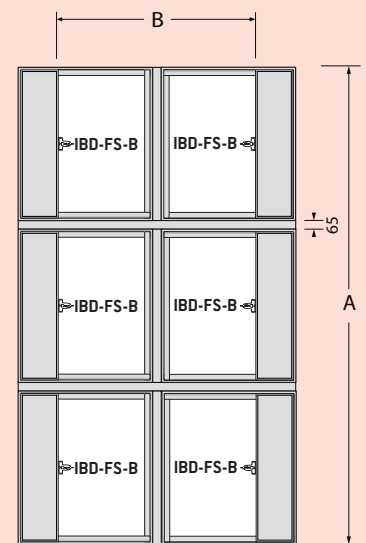
Model: IBD-FS-B-H (multiple)

See above for details, except Style 'B' assemblies where more than one unit high, would consist of "B" type units in the top and bottom row(as illustrated).

Model: IBD-FS-A-H (Multiple)



Model: IBD-FS-B-H (Multiple)



Mounting Sleeve omitted for clarity, refer to pages 339H - 344H.

Notes

- In specifying a fire damper the width should always be stated first and the height second [* Maximum diameter 1014 mm].
- Nominal dimensions are opening sizes and allow clearance for insertion into mounting sleeve:
6 mm Duct Connection A & B. 3 mm Duct Connection C, CR & CO.
Where this allowance is not required specify "exact size".

IBD-FS – Fire & Leakage Rated Dampers

Assembly and Dimensional Information

(A & B (Duct) Dimensions allow 3 mm clearance for duct of nominated size).
All IBD-FS-C styles, blade stacks located **out of air stream**.

Model: IBD-FS-C-H

Interlocking blade, horizontal (floor) mounting damper, constant force spring operated, fitted with enclosure plates and square, or rectangular spigots to suit duct connections.

Minimum size A 100 (Duct) x B 140 (Duct).

Maximum size A 1136 (Duct) x B 1014 (Duct),
(Single Section).

Model: IBD-FS-CR-H

Interlocking blade, horizontal (floor) mounting damper, constant force spring operated, fitted with enclosure plates and round spigots to suit duct connections.

Minimum size B 150 (Duct Diameter).

Maximum size B 1014 (Duct Diameter),
(Single Section).

Model: IBD-FS-CO-H

Interlocking blade, horizontal (floor) mounting damper, constant force spring operated, fitted with enclosure plates and oval spigots to suit duct connections.

Minimum size A 100 (Duct) x B 150 (Duct).

Maximum size A 1136 (Duct) x B 1014 (Duct),
(Single Section).

Note: All IBD-FS dampers are fitted with Test Latch Links.

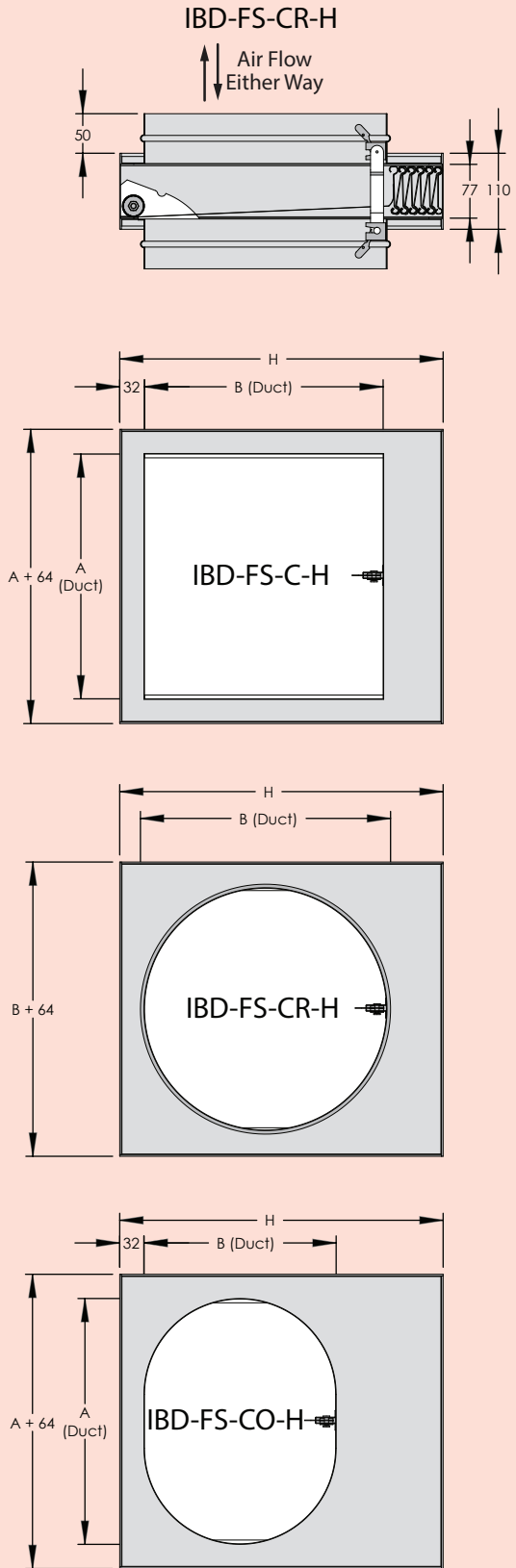
IBD-FS Duct Connection Style 'C', 'CR' & 'CO'

(Single Section Damper Heights).

Dimension 'B'		Dimension 'H' = B +
From	To	
150	- 326**	86
327	- 541	111
542	- 756	136
757	- 971	161
972	- 1014	186

* Restricted minimum (DUCT) height/diameter when fitted with Electro Thermal Resettable Links, (See separate table).

** For testing purposes below 150 mm will require complete removal of link and blades dropped manually, (IBD-FS-C Only).



Mounting sleeves omitted for clarity, refer to pages 339H - 344H.