



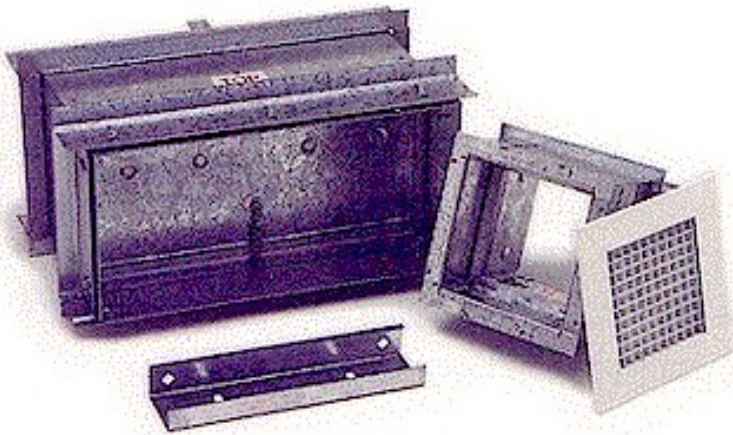
**BULLOCK** MFG Pty Ltd.

## **Model 5650** Drop lock type Fire Damper

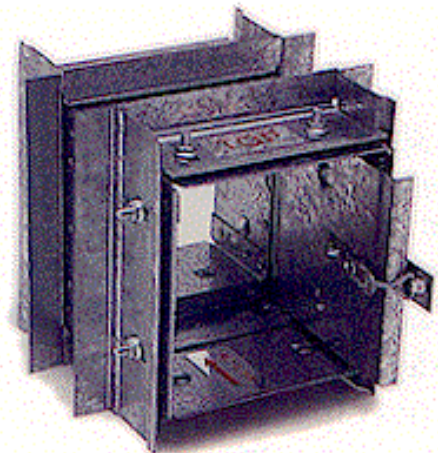
### **Product Description**

The Bullock Model 5650 Drop lock type Fire Damper has led the market place in small damper technology for many years. It's light-weight construction and superior closing ability has made it the leading fire damper on the market.

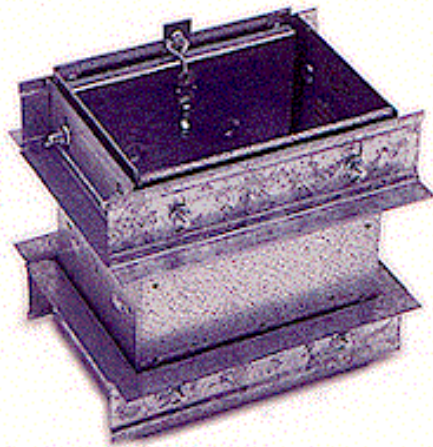
Complying with AS1682.1-1990 and AS1668.1-1998, the model 5650 is tested and certified for a four hour rating in a masonry wall or concrete slab, 2 hour rating in a steel stud plasterboard partition and a 3x16mm plasterboard partition - all without the need for support rods or lintel beams.



Model 5650 Duct to Duct or  
Duct to Grille (TDF Flanges optional)



Model 5650 Side Blade Closure  
Damper

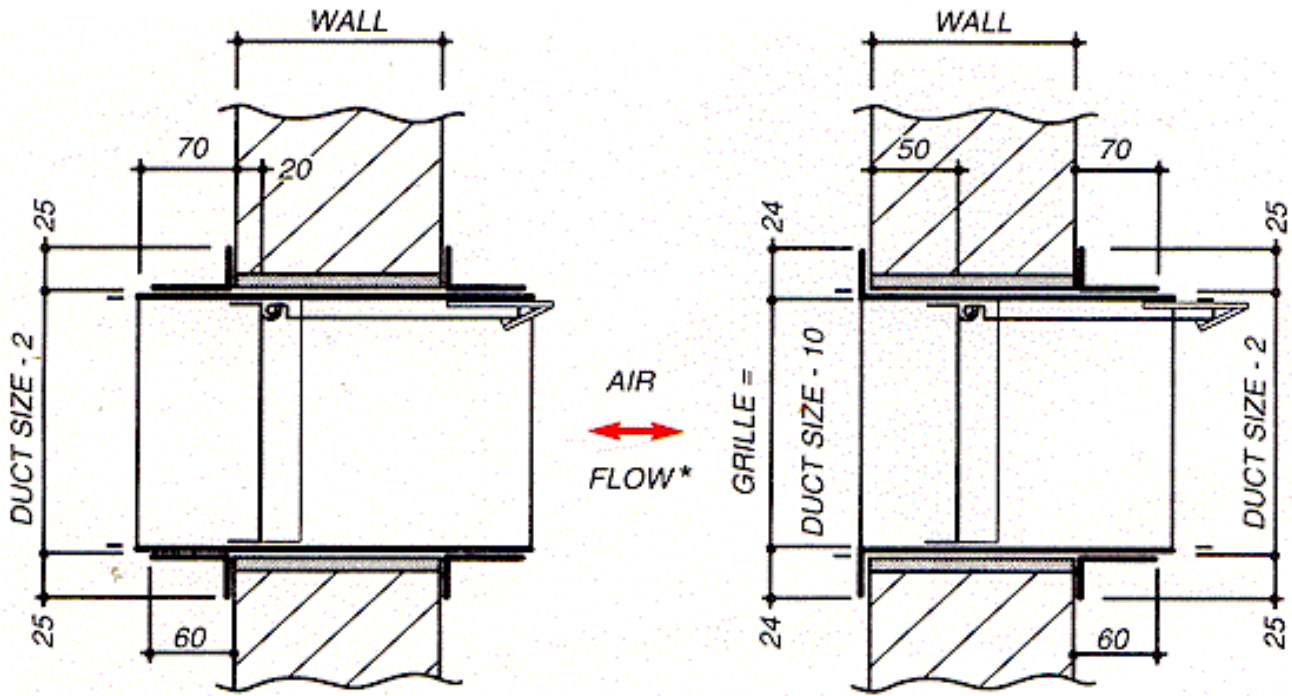


Model 5650/S Slab Mounted Damper

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## Product Features

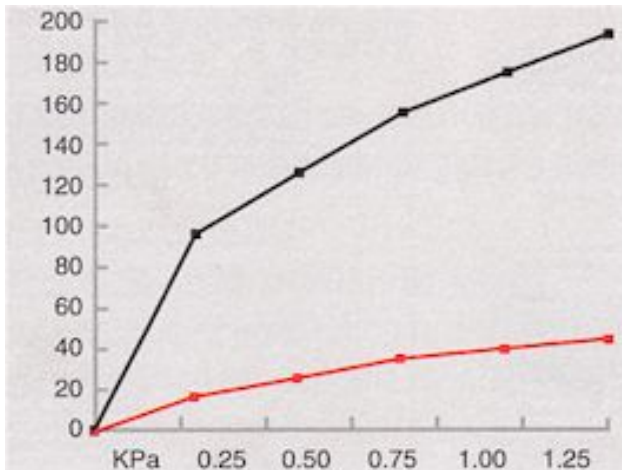
- Australian certified to AS1682.1 - 1990 by the CSIRO in:
  - a) Masonry walls for 4 hours. Test #- FSP-0145, FSP-0146
  - b) Concrete slabs for 4 hours. Test #- FSP-0505.
  - c) Steel Stud Plasterboard partition for 2 hours. Test #- FSV-0100.
  - d) Non-loadbearing vent shaft partition (48mm) for 2 hours. Test #- FSV-0538.
- Optional Airflow tested by the CSIRO for blade closure in Excess of 8m/s. Test#- FS2946/1558
- Single Hand Reset from either side.
- Approved UL33 fusible link (165°F - 74°F) in a closed hook for easy replacement (no tools)
- Light-weight construction without welding ensures the integrity of the damper's galvanized coating.
- Recessed angle design permits a raw edge easy duct attachment, with breakaway characteristics (No fastening screws required)
- Optional TDF/TDC flanges can be supplied to match 25mm or 35mm ductwork.
- Double action 301 stainless steel spring with blade dimples provide positive low-leakage shut off.
- Has a low leakage rate of only 20% PERMISSIBLE AIR LEAKAGE as per AS1682.1-1990.
- Optional factory set 10mm Metal Expansion Gap Seals are available at the time of ordering, ensuring AS1682.2-1990 Section 5.2 is complied with.
- Side blade closure dampers available for specific building applications.
- Duct to Duct (D) and Duct to Grille (GS) configurations in sizes 100mm x 100mm up 400mm x 250mm available at short notice.



## IMPORTANT

The body style 'GS' is the same outside dimensions as Style 'D'. Grilles or Registers will need to fit in a clear opening 10mm less than nominal size.  
 (Example: Nominal 200 x 200 will have a clear opening 190 x 190)

## Permissible Air Leakage Test #323



Permissible Air Flow - in accordance with AS1682.1-1990.5

Bullock 5650F Fire damper measured Air Flow, (Test#323) (Damper Size 400 x 250)

In the closed blade position, Bullock Model 5650 drop lock type fire damper passes the permissible air leakage test with flying colours! No other fire damper of it's kind comes close. The double action stainless steel spring with blade dimples provides a positive low leakage shut off.

## Blade Closure Against Air Flow Test

C.S.I.R.O testing shows that the 5650 fire damper blade closes at the following (Test#-FSZ-0522)

Size 150 x 150 = 11.0 m/s\*

Size 200 x 200 = 18.0 m/s\*

Size 250 x 250 = 19.0 m/s\*

Size 400 x 250 = 16.5.0 m/s (Double Spring)\*

Size 400 x 250 = 10.0 m/s (Single Spring)

\* Maximum speed at which Bullock test Blower was capable of as per Damper Size

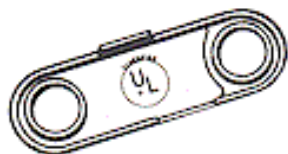
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## Installation

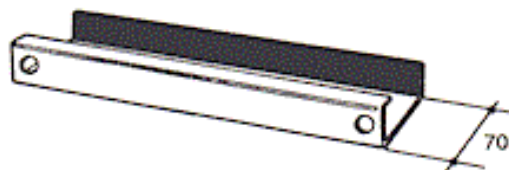
Compliance with installation instructions is critical. Refer to separate instructions to suit your application. Please refer to installation Page.

## Maintenance

This model requires little maintenance once installed. Refer to AS1851.6-1997 for detailed servicing procedures.



UL33 Fusible Link



Optional TDF/TDC Flange Connections

## Metal Expansion Gap Seals

Optional metal seals allow damper to be installed insitu with a controlled 10mm expansion gap. (AS1682.2-1990) (Australian patent#624288)

- No Installation costs.
- No hazardous fibers.
- Factory set 10mm gap.



Specifications are subject to change without notice.

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