



**Back-draught shutter/
Non return damper
Series BDS**



Back draught shutter

Model

BDS

Overview

Back draught or non-return dampers are designed to act as a one way valve to airflow, with linked or non-linked blades reacting to pressure rises by being forced open, releasing the pressure and returning to rest position.

HVC Series BDS Back-draught shutters can be made from one of three frame formats, two extruded aluminium and one roll formed steel, and have fully extruded aluminium blades.



Construction

- Extruded aluminium or roll formed steel frames.
- Extruded aluminium blade profiles.
- Nylon bushes standard, brass optional.
- Blades can be linked or left free to move independently.
- Mullion needed above 1200mm wide, entire unit up to 2900mm wide in one section.
- Aluminium framed units no fixing holes as standard, can be specified.
- Galvanised units have teardrop fixing holes in corners as standard, can be specified without.



Options and accessories

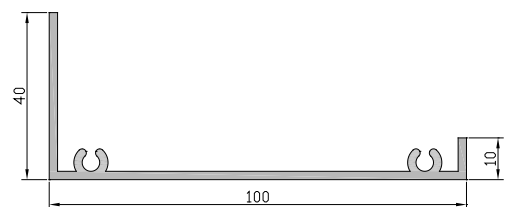
HVC can supply you a standard volume control damper, or a customised unit made to your exact specifications. Please see our list of options and accessories below for an overview of what we can do.

- **Louvres & Grilles** – Combination units with BDSs, grilles, or louvres can be manufactured to order.
- **Brass bushes** – Replacing the standard nylon bushes, brass bushes are recommended if the BDS is to be used to control airflow of elevated temperatures.
- **Spigot** – To allow easy fitment to a duct, spigots can be made in both square and circular formats.
- **Frame type** – 100mm deep standard frames available in both extruded aluminium and roll formed steel, 100mm extruded aluminium offset frame for mounting into a wall also available.
- **Weighted blades** – Weights can be mounted to blades to increase the air pressure needed to open the damper. Blades will be linked if this option is chosen.
- **Linked blades** – Choice of independent or linked blades.

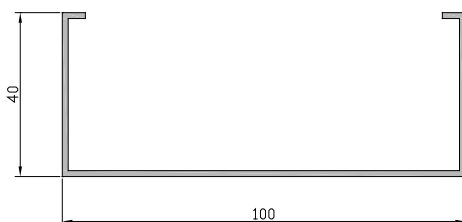
Frame types



- Standard 40:40 channel



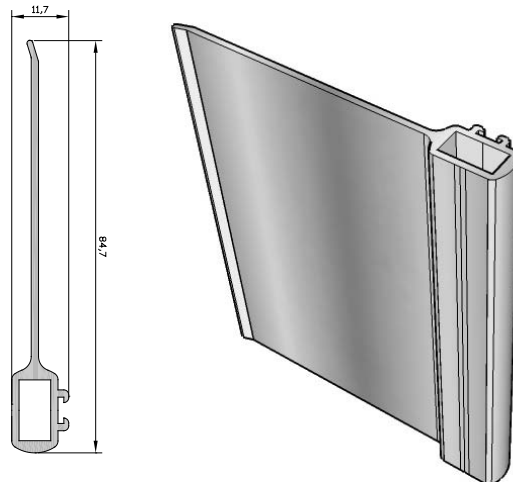
- 40:10 offset channel
- Designed for wall mounting



- Roll formed galvanised steel 40:40 channel

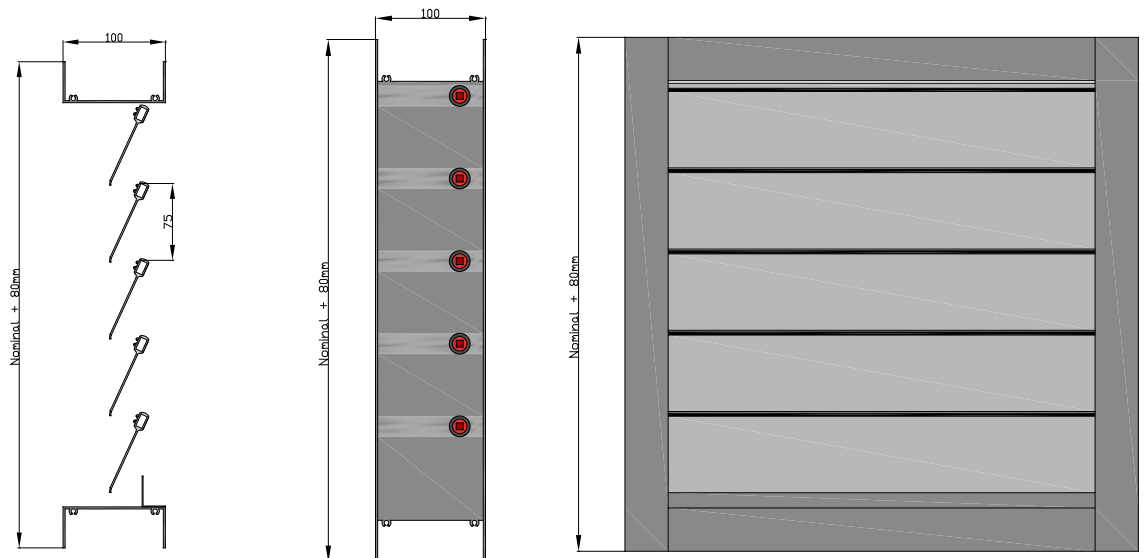


Blade profile

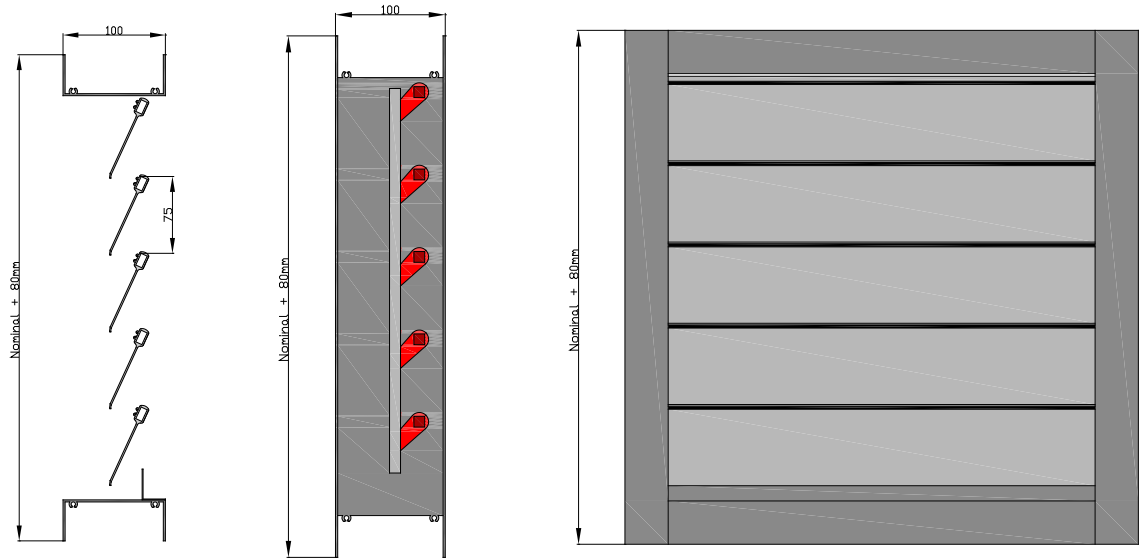


Technical information

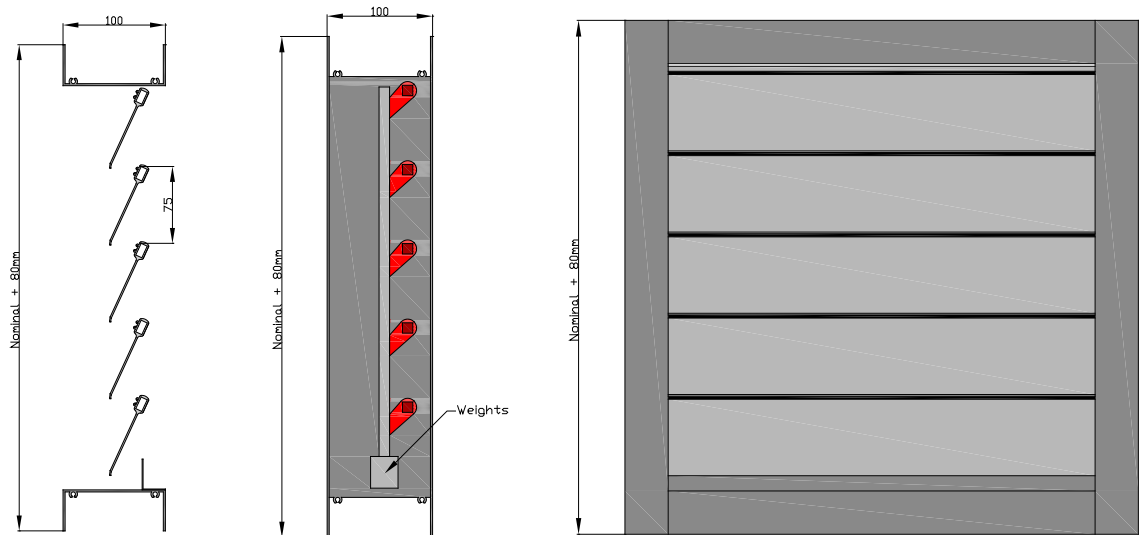
- BDS Mass/M² face area = 14KG
- (___ x ___) – BDS



• (___ x ___) – BDS – L



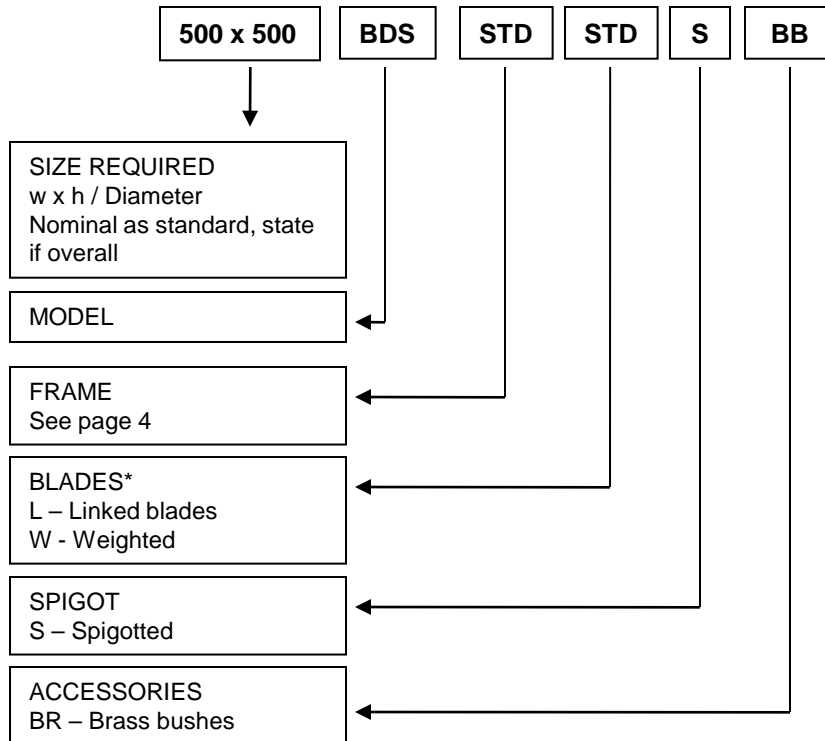
• (___ x ___) – BDS – Weighted



Weights supplied will be removable to allow for adjustment on site.



Ordering codes



* A unit specified with brass bushes cannot also have blade edge seals due to likely exposure to high temperatures which would destroy the brush seals..

HVC Supplies (Stourbridge) Ltd reserves the right to alter, without notice, any specifications issued. Any alterations made will appear on www.h-v-c.com as soon as possible.

