



## MODEL 4800s MULTI-BLADE SLAB FIRE DAMPER - CLAMP PLATE DETAIL

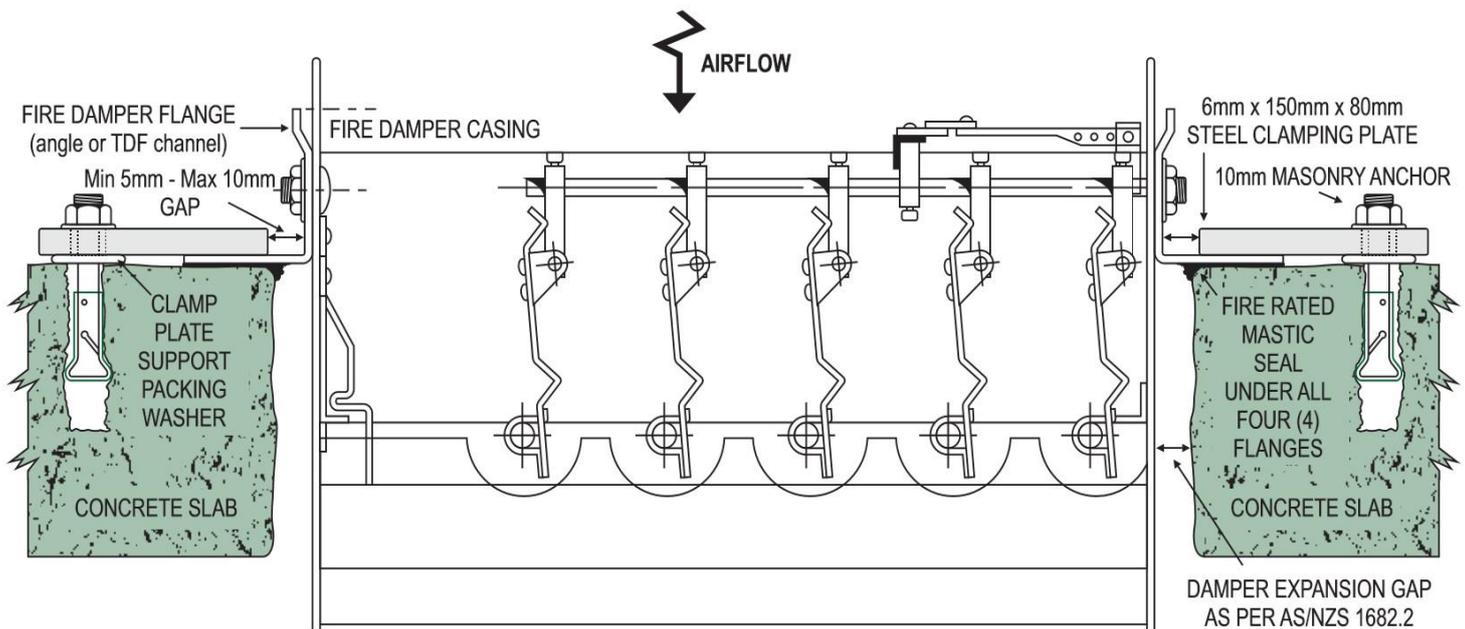
Multi-blade Slab Fire Damper

Drawing 4800s-2

INSTALLATION INSTRUCTIONS

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1. **INITIAL DAMPER TEST** Before installing the damper into the concrete slab, check the dampers closing operation. This can be achieved by placing the damper into its installation position. Hold the blade retaining clips down to release the blades. Open the blades to the maximum open position. Release the blade(s) and let them drop to the closed position. After viewing proper closure of the blades, reopen the blades and refit the UL33 fusible link to its original position.
2. Ensure the slab penetration is prepared accurately with minimum expansion gap:  $>1200 = 12.5\text{mm}$  &  $<1200 = 25\text{mm}$
3. Apply fire rated mastic to the slab surface that the fire damper flanges sit flush upon, to ensure an airtight seal.
4. Lower the damper into position, sitting the flanges on the fire rated mastic.
5. With the steel clamp plates provided, follow the installation diagram below. Refer to the note below for clamp plate quantities.
6. Connect ductwork to fire damper using fire resistant mastic to fill recess if using raw edge connection, or apply mastic to both surfaces of TDF/TDC flange connections. Refer to AS1682.2 2015 Appendix C Breakaway may not be required.
7. With the installation complete to the installation details. **REPEAT THE INITIAL DAMPER TEST** to check the dampers blade closing performance before connecting the ductwork or grilles if required to AS4254 standards.



NOTE: For any damper 300mm x 300mm or less only two clamps are required on opposite sides of the damper. If the damper or bank of dampers are larger than 300mm x 300mm then there must be at least four clamps one on the centre of each side. If any side of the damper exceeds 600mm then additional clamps are required at not more than 300mm centres.

## MAINTENANCE INSTRUCTIONS

All Fire Dampers shall be accessible and maintained in accordance with AS1851.6

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