

101 and 201 Static Dischargers

Fraser static dischargers are highly efficient anti-static tools which are used on countless machines processing and sheets and webs.



Benefits and Advantages:

- Fraser Static Dischargers offer high performance with unrivalled cost-effectiveness and versatility.
- They are particularly effective for high speeds and high charges.
- They are available in two versions: Models 101 and 201, giving a choice of body, fibre and fibre length - see next page for details.
- The Models 101 is available in lengths up to 4m. Model 201 is available in lengths up to 3m.
- For ATEX / Hazardous area applications, see EX-HPSD Static Dischargers.

The “brushes” have a large number of highly conductive fibres. The fine tips of the fibres concentrate the electric field of the static charge and ionise the air.

This ionised air provides ions of the opposite polarity to neutralise the static charge and allow it to flow to earth through the brush body.

The tips of the fibre do not need to touch the material to be neutralised, normally they are positioned 2-3mm from it. If they are allowed to touch the material, there could be an improvement in performance because there may be some conduction in addition to the ionisation.

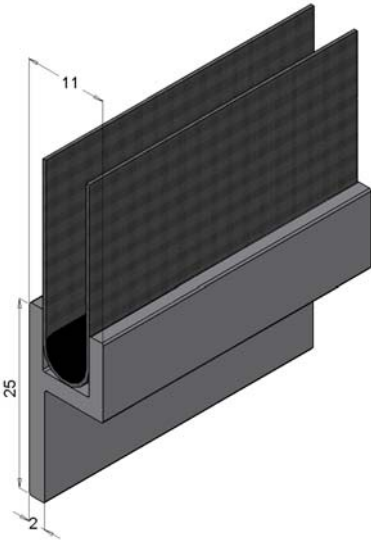
The Static Discharger body must be connected to an earth/ ground.

Applications:

Fraser Static Dischargers are used on wrapping machines, gravure and flexo printing machines, coaters, laminators, labelling and coding machines, ink jet printers, print finishing, digital printing, sleeving machines, charge application systems - and countless other processes.

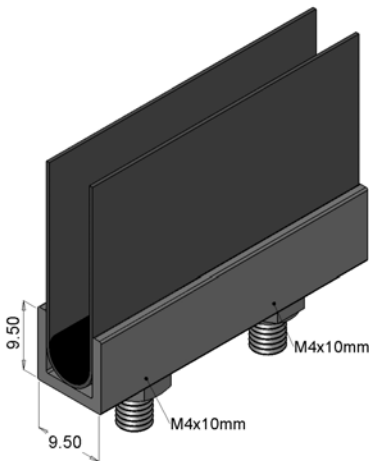


Model 101



Length:	Any length up to 4m. Made to order in 2-3 days.
Construction:	Has robust 2mm extruded aluminium body. Mounting holes may be drilled in the "h" single wall.
Fibres:	Carbon Fibre: 6/7 μ diameter 60,000 filaments per cm. Acrylic Fibre: 15 μ diameter 15,000 filaments per cm.

Model 201



Length:	Any length up to 3m. Made to order in 2-3 days.
Construction:	9.5mm x 9.5mm aluminium body. Mounting studs M4 x 10mm, 10mm from each end and in centre for lengths over 1m.
Fibres:	Carbon Fibre: 6/7 μ diameter 60,000 filaments per cm. Acrylic Fibre: 15 μ diameter 20,000 filaments per cm.

Options:

Choice of Fibre

Carbon or Conductive Acrylic? Carbon fibre is more effective and lower in cost. It is suitable for 90% of applications.

Acrylic fibre has more resilience and can be washed in water to clean out dust and other contaminants. For standard applications we recommend carbon fibre; for "clean" applications we recommend acrylic

Fibre length:

in addition to the choice of carbon or acrylic fibre, there is a choice of fibre length. 18mm is standard and suitable for most applications. We can also supply 30mm, 50mm and 80mm fibre lengths.

ATEX/Hazardous Area applications, see EX-HPSD Static Dischargers.

ATEX Certified Static Dischargers with solvent resistant construction available in lengths up to 4m.