



DATASHEET **INFRAPIPE**

SCRUFFY DOMES



DESIGN REQUIREMENTS

The primary purpose of scruffy domes is to allow the entry of stormwater whilst preventing the ingress of larger pieces of debris which may block the system at some point. Scruffy domes are manufactured to suit INFRAPIPE diameters of 600, 700, 800, 900, 1000, 1100, 1200, 1350, 1500, 1600, 1800, 2000, 2300, 2500 & 3200.

A standard scruffy dome is permanently bolted to the HDPE manhole and has the minimum wire required to prevent debris and retain its shape. Upgrades as shown below allow for staff entry, reduced vertical spacing (to prevent humans or smaller debris from entering), greater structural strength and enhanced security.

DESIGN INPUTS

The scruffy dome design is dictated by the following requirements:

| Component | Selection | Consequence |
|------------------|--------------------|--|
| Chamber ID & OD | Required in mm | Required for design and bolt selection |
| Profile | A or B | High profile or low profile |
| Hinged? | Yes or No | Hinging permits staff entry |
| Human protection | Yes or No | If Yes then the maximum spacing of verticals will be 79mm |
| Walk on? | Yes or No | This determines the horizontal reinforcing and inner ring protection |
| Locking function | Yes (number) or No | This enables the use of a padlock (s) |

INFRAPIPE provides scruffy domes galvanised and pre-fitted, made of NZ steel 12mm wire (base ring 16mm) to each manhole (though they may be removed for transport) and complete with bolts and washers.

TO ORDER

Confirm the requirements above with INFRAPIPE and the scruffy dome will be quoted, ordered and shipped with the remainder of the stormwater system.