Hydro Stormwater Grate and Frame

Technical Guide D16.5

Hydro Stormwater Grate and Frame offers a quality product that is visually appealing, high performance, complies with recognised Standards, and has a superior flow capture capability.



Applications

Stormwater applications, where higher performance is critical

Product Attributes

Ductile Iron casting sustains high impact loads

Large open area gives an increased hydraulic capture

A visually appealing grate that is cycle friendly

Grate is hinged and bolted down – no more stolen grates

Lightweight and flat level design replaces the heavy concave conventional grate and frame

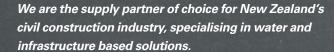
Approvals/Standards

Manufactured and tested to AS3996:2019 Class D240 kN

HN-HO-72 Transit Loading 250 kN

Quality

ISO 9001:2008 Quality Management Standard





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Design Specifications

- Fits the corresponding standard concrete sumps
- Frame incorporates side locking for better anchoring in surrounding concrete apron.
- With its unique wavy pattern, the Hydrograte disrupts and captures water flow far more efficiently than a conventional slotted grate.
- Manufactured with Ductile Iron up to 35% lighter than a conventional Cast Iron grate and frame.
- To enable identification, all castings are marked with product weight, manufacturer, Standard and class rating, in accordance with Standard AS3996:2019.

Testing

 Tested in accordance with required Standards by third party accredited laboratory of Opus International Consultants Ltd.

Durability

 Ductile Iron material provides excellent corrosion resistant properties and sustains high impact loads

Flow Rates

• Flow rate data for each grate is available upon request.

Availability

Hydro Grate available in the following sizes



FIG. 1 Hydro 450 x 450mm Grate on std concrete sump, displaying increased capture capability

TABLE 1 Product Range

Code	Description	Weight (kg)
DIHSTGFD450450	Hydro DI Stormwater Grate 450 x 450mm Class D	55
DIHSTGF535340WC	Hydro DI Stormwater Grate 535 x 450mm Class D (WCC)	45
DIHSTGFD580350W	Hydro DI Stormwater Grate 580 x 350mm Class D Wide Frame	58
DIHSTGFD580350C	Hydro DI Stormwater Grate 580 x 350mm Class D Concave	56

Note: This product range is progressively being replaced by the Slam Lock version

Refer to Technical Guide D16.12

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