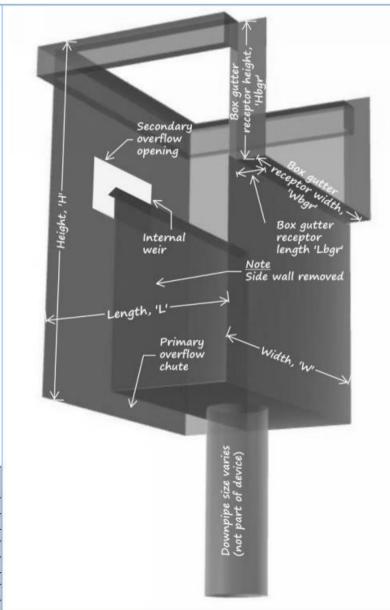


OVERFLOW PERFORMANCE CERTIFICATE

ID: Dam Buster 'DB 600-1' Rainhead

Test Results	ID : DB 600-1	
Description	Rainhead complying with AS/NZS 3500.3:2015 Storm Water drainage code	
Model	DB 500-1	
Nominal size	suit box gutters up to 600 mm wide (but > 500 mm wide)	
Test Date	14/01/2018	

Rainhead drawing & overall dimensions



Item	Dimension (mm)	Comments
L	325	Outer
Lbgr	100	Outer
Н	751	Outer
Hbgr	299	Inner
W	650	Outer
Wbgr	605	Inner

Downpipe Configuration Tests

The downpipe was not installed (i.e. equivalent to it being blocked) for testing of overflow capacity of device through the primary overflow. The secondary overflow was blocked for testing (this would provide additional overflow capacity)



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Flow Characteristic Curve - Dam Buster DB 600-1 Rainhead in the overflow condition Ymax = Maximum water level in box gutter 140 = Water depth at the junction of the box gutter receptor, Yc and the main body of the device (i.e. the water depth at the end of the box gutter) Yw = Water level above internal weir 120 AS3500.3 = Water level determined by AS/NZS 3500.3:2015, including a 25 mm freeboard allowance 100 Nater height (mm) 80 60 Ymax 40 Yc AS3500.3 20 Yw 0 0 10 12 14 16 6 Flow rate, Q (L/s)







DB 600-1, Q = 16 l/s (box gutter slope - 1 in 200)

Observation Comments:

- This testing relates to the overflow capacity of the device only
- · The design flow capacities of the device and the box gutter must be determined in accordance with the design procedures for a rainhead provided in AS/NZS 3500.3:2015 Storm water drainage code

I hereby certify that the test results presented on this box gutter overflow device performance certificate are true and correct and were obtained using recognised AHSCA Testing procedures.

Dr Terry Lucke,

Chief Researcher:

Mark Alexander,

AHSCA Foundation Chairman:

Date: 11th May 2018 Date: 11th May 2018