



Roof and site storm water drainage programs to the latest Australian Standards.

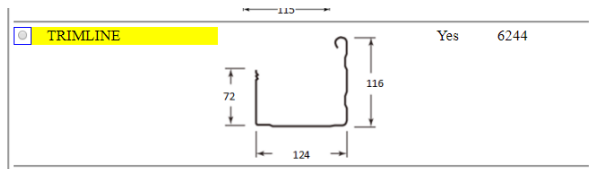
AS/NZS 3500.3:2021 [roof-gutter-design.com.au](http://roof-gutter-design.com.au)

**Results:**

	Number Req'd	Number Used	Gutter Area?	Gutter Width	Gutter Depth?
90 Dia:	3.71	4	6216	105	60
100 Dia:	2.81	3	7801	125	65
150 Dia:	1.04	2	10807	145	75
225 Dia:	0.38	1	19030	195	100
300 Dia:	0.18	1	19030	195	100

Free Down pipe, Eaves gutter, and box gutter calculations.

3 clicks to get a choice of DP size with associated number required.



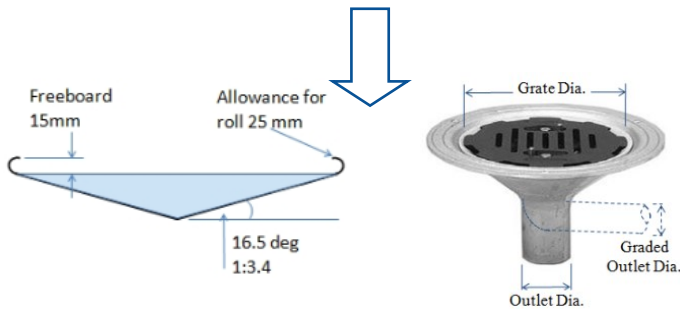
The paid for versions offer much more.

Design well outside the limits of the Code.

For DP's get the Correct gutter selection, along with a printout of the calculations for your Certifier and files.

Extra features for using any size circular or rectangular DP, and any effective gutter area.

Design Valley gutters, and RWO's for flat roofs



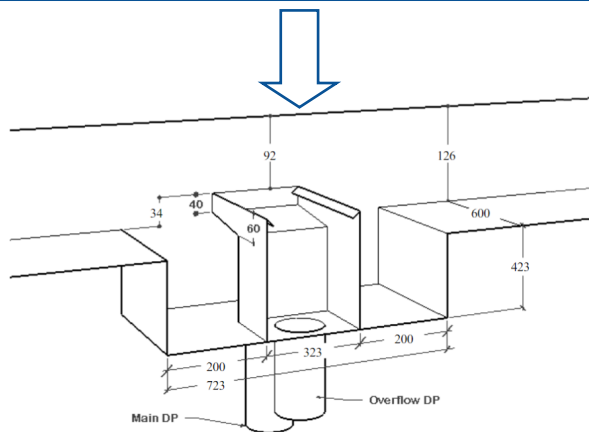
**EAVES GUTTER AND DOWN PIPE DESIGN TO AS/NZS 3500.3:2021**

optional your text here9 - suggest - JOB DESCRIPTION		
optional your text here10 - suggest - JOB LOCATION or DP number/s		
Horizontal catchment area	Ah = 111	sq.m
Roof Average slope	S = 11	degrees
Intensity	I = 200	mm/hr
Is Gutter slope steeper than 1:500 ?	Yes	
Down pipe size selected	dia = 90	mm
Cross referencing From Table 3.5.2 and Fig 3.5.2		
Theoretical number of DP's required	Tnum = 3.71	
Selected Number of Down pipes	n = 4	
From AS3500 Table 3.4.5.2, C'ment Area Multiplier	f = 1.1	
Roof Area allowing for slope	Ac = Ah*f	
	= 122.1	sq.m
Catchment Area per DP	A = Ac/n	sq.m
	= 30.5	sq.m
Flow/DP	q = I*A/3600	litres/sec
	= 1.7	litres/sec
from AS/NZS 3500 fig 3.5.2(B), Gutter Area	= 6216	sq.mm
Gutter Area rounded to nearest 100sq.mm	= 6200	sq.mm
From AS/NZS 3500 Table 3.5.2,, Down Pipe size	= 90	mm
Down Pipe size selected	= 90	mm
<b>Summary</b>		
This catchment requires :- number of DP's	= 4	
Downpipe size	= 90	mm
minimum eaves gutter cross sectional Area	= 6216	sq.mm

Notes: Catchment area of each DP to be roughly similar size.  
Length of any gutter draining to a downpipe to be not longer than 12m (NCC vol2).

Design Box gutters with rain water head, side overflow, or vertical overflow.

All with a printout of the calculations and an isometric drawing to cut and paste into your docs.



Take all the flows from roof and site catchments and feed into the underground pipe size and IL calculator, or into the overland flow calculator.

Save hours on each project, and use the programs on as many devices as you require at no extra charge. Also mobile friendly. [roof-gutter-design.com.au](http://roof-gutter-design.com.au)

