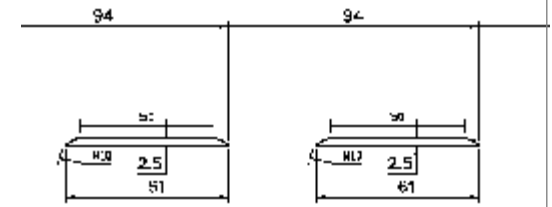


Description	Effective Cross Section Area (mm <sup>2</sup> )	Nominal flow rate (L/s)	Front slots overflow capacity (L/s/m)
Gutter with front slots	5064	1.34	0.64
Gutter with no slots	5554	1.51	NA

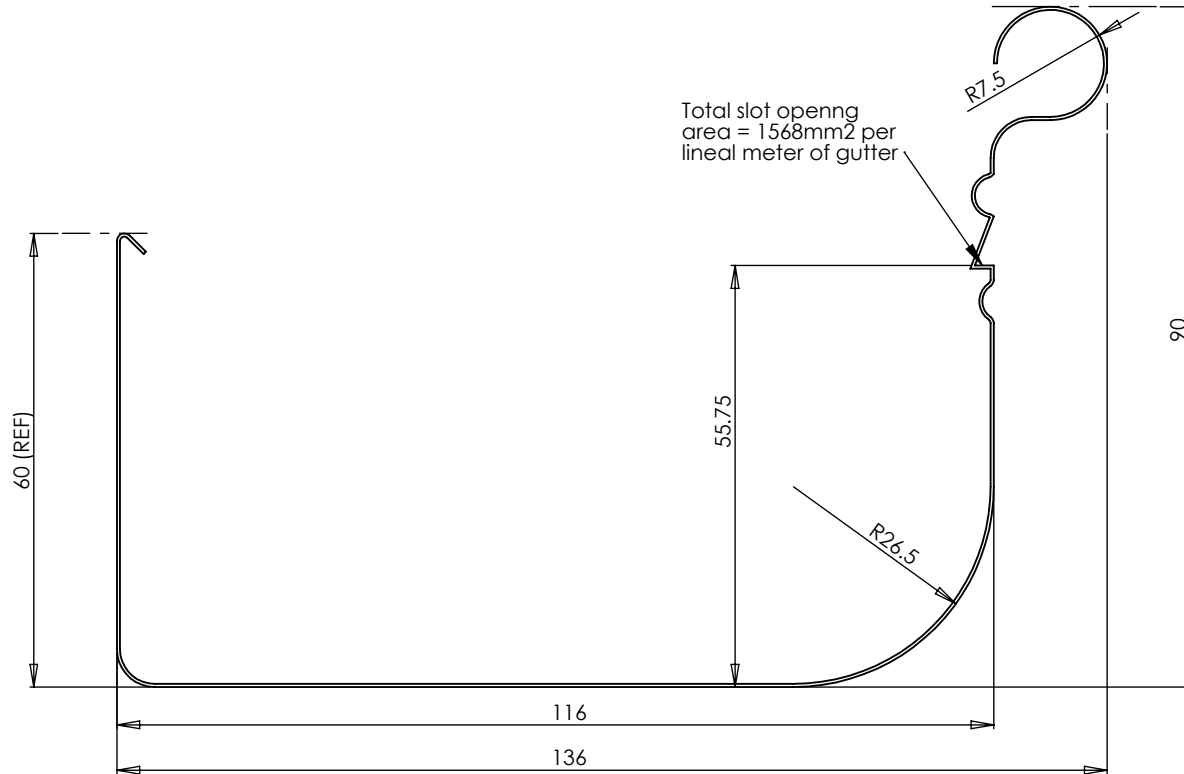
**Notes**

1. Effective cross section areas are calculated with water 10mm below the overflow lines.
2. Gutters must be installed in a/w AS/NZS3500.3-2025 and NCC2022 requirements
3. Nominal dimensions are shown in drawing



Number of slots per meter of gutter = 10.64  
Slot area = 142.5mm<sup>2</sup> per slot  
Total front slot opening area = 1568mm<sup>2</sup> per lined meter of gutter  
Front slot overflow capacity = 0.64 L/s/m

**Figure 1. Front slots in gutter**



*MJF*

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Material: 0.42mm B.M.T G550 Steel  
Finish: ZINCALUME OR COLORBOND

Gutter weight: ZINCALUME 0.92kgs/m  
COLORBOND 0.97kgs/m

Approved: Milton Fernandes  
FIEAust CPEng NER APEC Engineer IntPE(Aus) RPEQ4112 PE0000457  
(Principal Engineer) for/and on behalf of  
Fernandes & Associates Pty Ltd

Scale: N.T.S. DO NOT SCALE DRAWING

					APEX (VIC) Pty Ltd	APEX (VIC) - QUAD 115 HI FRONT GUTTER		
					 CONSULTING ENGINEERS: Fernandes & Associates P/L ABN 56 059 624 565 www.fernandes.net.au Tel: 0411 760 565	Maximum roof sheet lengths		
1	New drawing	MJF	MJF	17/11/2025		SIZE A	DWG. NO. FA-APEX-839	Sheet 1
Rev.	Description	DRAWN	APPVD	DATE				

Rainfall location (Victoria)	1% AEP (100 years ARI) intensity	Maximum ridge to gutter length (for front slots overflow capacity of 0.64 L/s/m) (m)
Apollo Bay	135	17.0
Avalon	148	15.5
Bachus Marsh	149	15.4
Bairnsdale	197	11.6
Ballarat	192	11.9
Benalla	194	11.8
Bendigo	214	10.7
Bright	189	12.1
Camperdown	143	16.0
Cape Otway	135	17.0
Casterton	157	14.6
Castlemain	198	11.6
Colac	127	18.0
Echuca	186	12.3
Edenhope	160	14.3
Foster	152	15.1
Geelong	143	16.0
Hamilton	164	14.0
Heathcote	208	11.0
Hopetoun	207	11.1
Horsham	173	13.2
Johanna	129	17.7
Kerang	205	11.2
Kinglake	187	12.2
Kyneton	201	11.4
Lakes Entrance	199	11.5
Leongatha	143	16.0
Macarthur	168	13.6
Mallacoota	237	9.7
Mansfield	174	13.2
Maryborough	180	12.7
<b>MELBOURNE</b>		
Craigieburn	186	12.3
Dandenong	181	12.6
Frankston	165	13.9
Hastings	145	15.8
Melbourne City	187	12.2
Oakleigh	182	12.6
Portsea	140	16.3
Sunbury	171	13.4
Sunshine	186	12.3

Table 1. Maximum roof sheet lengths for rainfall regions in Victoria

*MJA*

17/11/2025



Rainfall location (Victoria)	1% AEP (100 years ARI) intensity	Maximum ridge to gutter length (for front slots overflow capacity of 0.64 L/s/m) (m)
<b>VICTORIA -continued</b>		
Warrandyte	172	13.3
Meredith	167	13.7
Mildura	219	10.4
Morwell	172	13.3
Mount Macedon	177	12.9
Nelson	145	15.8
Nhill	180	12.7
Omeo	160	14.3
Orbost	198	11.6
Ouyen	202	11.3
Packenham	168	13.6
Phillip Island	135	17.0
Port Campbell	130	17.6
Port Fairy	180	12.7
Portland	161	14.2
Queenscliff	144	15.9
Robinvale	215	10.6
Rutherglen	175	13.1
Sale	198	11.6
Seymour	183	12.5
Shepparton	175	13.1
St. Arnaud	197	11.6
Stawell	187	12.2
Sunbury	171	13.4
Swan Hill	218	10.5
Venus Bay	145	15.8
Wangaratta	179	12.8
Warracknabeal	196	11.7
Warragul	147	15.6
Warrnambool	169	13.5
Wedderburn	212	10.8
Werribee	173	13.2
Winchelsea	134	17.1
Wodonga	180	12.7
Wonthaggi	157	14.6
Wycheproof	222	10.3
Yarram	185	12.4
Yarrawonga	177	12.9

Table 1. (continued) Maximum roof sheet lengths for rainfall regions in Victoria

*MJA*

17/11/2025



1% AEP (100 Years ARI) intensity	Maximum ridge to gutter length (for front slots overflow capacity of 0.64 L/s/m) (m)
130	17.6
135	17.0
140	16.3
145	15.8
150	15.3
155	14.8
160	14.3
165	13.9
170	13.5
175	13.1
180	12.7
185	12.4
190	12.0
195	11.7
200	11.4
205	11.2
210	10.9
215	10.6
220	10.4
225	10.2
230	9.9
235	9.7
240	9.5
250	9.2

**Table 2. Maximum ridge to gutter lengths vs AEP**

**Notes:**

1. Maximum ridge to gutter lengths are for gutters with front slots overflow capacity = 0.64 L/s/m
2. Front slots overflow capacities and maximum ridge to gutter lengths are valid for the following conditions:
  - a. Gutter slope = 1:500 (or steeper)
  - b. Minimum vertical distance from top of fascia to bottom of front slot = 25mm
  - c. Gutters are regularly cleaned and front slot openings are free from dirt and other obstructions.
3. Overflow capacities and maximum ridge to gutter lengths have been calculated in accordance with the requirements of NCC2022 and AS3500.3-2025.

APPROVED BY: Milton Fernandes - FIEAust CPEng NER APEC Engineer IntPE(Aus) RPEQ4112 PE0000457



17/11/2025

