

**NCC 2019 Building Code of Australia - Volume 2 - Part 3.5.3  
Extract and Apollo Improvements Best Practice**

	Table 3.5.3.1b 5 minute rainfall intensities for Western Australia		Table 3.5.3.2a Size of gutter required to drain roof catchment area into 1 downpipe for various rainfall intensities and roof catchment areas
	Average Recurrence interval, once in 20 years mm/h	Average Recurrence interval, once in 100 years mm/h	A - Medium rectangular gutter - 6500 mm2 C - 115mm D Gutter - 5200 mm2
Perth	130	172	A or C
Joondalup	133	180	A or C
Midland	122	163	A or C
Bunbury	147	199	A or C

Design 5 minute duration rainfall intensity (mm/h) (from Table 3.5.3.1h)	Ridge to gutter length — 2 m	Ridge to gutter length — 4 m	Ridge to gutter length — 6 m	Ridge to gutter length — 8 m	Ridge to gutter length — 10 m	Ridge to gutter length — 12 m	Ridge to gutter length — 14 m	Ridge to gutter length — 16 m
150 mm/h	0.08 L/s/m	0.17 L/s/m	0.25 L/s/m	0.33 L/s/m	0.42 L/s/m	0.50 L/s/m	0.58 L/s/m	0.67 L/s/m
175 mm/h	0.10 L/s/m	0.19 L/s/m	0.29 L/s/m	0.39 L/s/m	0.49 L/s/m	0.58 L/s/m	0.68 L/s/m	0.67 L/s/m
200 mm/h	0.11 L/s/m	0.22 L/s/m	0.33 L/s/m	0.44 L/s/m	0.56 L/s/m	0.67 L/s/m	0.78 L/s/m	0.89 L/s/m

	Description	Overflow capacity (L/s/m)
Front face slotted gutter with-	a) a minimum slot opening area of 1200mm <sup>2</sup> per metre of gutter; and b) the lower edge of the slots installed a minimum of 25mm below the top of the fascia	0.5
Controlled back gap with-	a) a permanent minimum 10mm spacer installed between the gutter back and the fascia; and b) one spacer per bracket, with the spacer not more than 50mm wide; and c) the back of the gutter installed a minimum of 10mm below the top of the fascia. <b>Manufacturer Spec: STRATCO Torrent Spacer Gutter Clip</b> <b>* Minimum allocated gap tested to stated overflow capacity at Stratco Testing Facility, Gepps Cross, South Australia</b>	1.5