

Maximum Allowable Span for C/Z Roof Purlins, Single Span,Region A													
Section	Wind Cats	Spacings											
		900			1200			1500			1800		
		No of Bridging Rows											
		0	1	2	0	1	2	0	1	2	0	1	2
C100-12	TC1	4200	4400	4500	3600	3800	4200	3200	3400	3700	2900	3100	3400
	TC2	4500	4500	4500	4000	4300	4300	3600	3800	4200	3300	3500	3800
	TC2.5	4500	4500	4500	4300	4300	4300	3900	4200	4200	3600	3800	4000
	TC3 & 4	4500	4500	4500	4300	4300	4300	4200	4200	4200	4000	4000	4000
C100-15	TC1	4600	4800	5100	3900	4200	4600	3500	3700	4100	3200	3400	3700
	TC2	5100	5100	5100	4400	4700	4800	3900	4200	4600	3600	3800	4200
	TC2.5	5100	5100	5100	4800	4800	4800	4300	4600	4600	3900	4200	4500
	TC3 & 4	5100	5100	5100	4800	4800	4800	4600	4600	4600	4300	4500	4500
C100-19	TC1	5300	5600	5700	4600	4900	5300	4100	4400	4700	3700	4000	4300
	TC2	5700	5700	5700	5100	5400	5400	4600	4900	5200	4200	4500	4800
	TC2.5	5700	5700	5700	5400	5400	5400	5000	5200	5200	4600	4900	5000
	TC3 & 4	5700	5700	5700	5400	5400	5400	5200	5200	5200	5000	5000	5000
C150-12	TC1	5700	6100	6600	5000	5300	5700	4400	4700	5100	4000	4300	4700
	TC2	6400	6800	7100	5600	5900	6400	5000	5300	5700	4500	4800	5200
	TC2.5	6900	7100	7100	6100	6500	6700	5400	5800	6300	5000	5300	5700
	TC3 & 4	7100	7100	7100	6700	6700	6700	6000	6400	6400	5500	5800	6200
C150-15	TC1	6200	6600	7200	5400	5700	6200	4800	5100	5600	4400	4700	5100
	TC2	7000	7400	7900	6000	6400	7000	5400	5700	6200	4900	5200	5700
	TC2.5	7600	7900	7900	6600	7000	7400	5900	6300	6800	5400	5700	6200
	TC3 & 4	7900	7900	7900	7300	7400	7400	6500	6900	7100	5900	6300	6800
C150-19	TC1	7200	7600	8300	6200	6600	7200	5500	5900	6400	5100	5400	5800
	TC2	8000	8600	8700	6900	7400	8000	6200	6600	7200	5700	6000	6500
	TC2.5	8700	8700	8700	7600	8100	8200	6800	7200	7800	6200	6600	7200
	TC3 & 4	8700	8700	8700	8200	8200	8200	7500	7800	7800	6800	7300	7500

Notes:

- 1: This table is suitable for industrial sheds with maximum height of 10 meters no ceiling attached to the roof (DL = 10 kg/m²).
- 2: Strength & serviceability designs are based on: AS/NZS 1170.0, AS/NZS 1170.2, AS/NZS 4600.
- 3: AS/NZS 1170.2 Structural Design Actions-Wind Actions, Clause 4.21 Terrain Category Definitions:
Terrain Category 1 (TC1): Exposed open terrain with few or no obstruction and water surfaces.
Terrain Category 2 (TC2): Water surfaces, open terrain, grassland with few, well-scattered obstructions having height generally from 1.5m to 10m.
Terrain Category 3 (TC3): Terrain with numerous closely spaced obstructions 3m to 5m high such as areas of suburban housing.
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		No of Bridging Rows											
		0	1	2	0	1	2	0	1	2	0	1	2
C150-24	TC1	8300	8800	9400	7200	7700	8300	6400	6800	7400	5900	6200	6800
	TC2	9300	9700	9700	8100	8600	9100	7200	7700	8300	6600	7000	7600
	TC2.5	9700	9700	9700	8800	9100	9100	7900	8400	8700	7200	7700	8200
	TC3 & 4	9700	9700	9700	9100	9100	9100	8700	8700	8700	7900	8200	8200
C200-12	TC1	6600	7000	7600	5700	6100	6600	5100	5400	5900	4600	4900	5400
	TC2	7400	7900	8500	6400	6800	7400	5700	6100	6600	5200	5500	6000
	TC2.5	8100	8600	9300	7000	7400	8100	6200	6700	7200	5700	6100	6600
	TC3 & 4	8900	9500	9500	7700	8200	8800	6900	7300	8000	6300	6700	7300
C200-15	TC1	7800	8400	9100	6800	7200	7800	6100	6500	7000	5500	5900	6400
	TC2	8800	9400	10200	7600	8100	8800	6800	7200	7900	6200	6600	7200
	TC2.5	9600	10200	10700	8300	8900	9600	7400	7900	8600	6800	7200	7800
	TC3 & 4	10600	10700	10700	9200	9800	10000	8200	8700	9500	7500	8000	8600
C200-19	TC1	9300	10000	10500	8100	8600	9400	7300	7700	8400	6600	7100	7700
	TC2	10300	11200	11300	9000	9700	10200	8100	8700	9400	7400	7900	8600
	TC2.5	11200	11800	11800	9800	10600	11000	8900	9500	10100	8100	8600	9400
	TC3 & 4	12000	12000	12000	10700	11300	11300	9700	10400	10500	8900	9500	9900
C200-24	TC1	10300	11000	11300	8900	9500	10300	8000	8500	9200	7300	7700	8400
	TC2	11600	11900	11900	10000	10600	11100	8900	9500	10300	8200	8700	9400
	TC2.5	12500	12500	12500	10900	11600	11600	9800	10400	11000	8900	9500	10300
	TC3 & 4	13000	13000	13000	12100	12100	12100	10800	11200	11200	9800	10500	10600
C250-15	TC1	8900	9500	10300	7700	8200	8900	6900	7300	8000	6300	6700	7300
	TC2	10000	10600	11600	8700	9200	10000	7700	8200	8900	7100	7500	8200
	TC2.5	10900	11600	12400	9500	10100	10900	8500	9000	9800	7700	8200	8900
	TC3 & 4	12100	12800	13000	10400	11100	12100	9300	9900	10800	8500	9100	9800

Notes:

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C250-19	TC1	10600	11500	12200	9300	9900	10800	8300	8900	9600	7600	8100	8800
	TC2	11700	12800	12900	10400	11100	12000	9300	9900	10800	8500	9100	9800
	TC2.5	12600	13500	13500	11100	12100	12500	10200	10900	11800	9300	9900	10700
	TC3 & 4	13700	14100	14100	12100	13100	13100	11000	12000	12400	10300	10900	11700
C250-24	TC1	12100	12900	12900	10500	11200	12000	9400	10000	10800	8500	9100	9900
	TC2	13600	13700	13700	11700	12500	12700	10500	11200	12000	9600	10200	11100
	TC2.5	14300	14300	14300	12800	13300	13300	11500	12200	12600	10500	11200	12000
	TC3 & 4	14900	14900	14900	14000	14000	14000	12700	13200	13200	11500	12300	12600
C300-24	TC1	14900	14900	14900	13100	13900	14000	11700	12400	13200	10700	11400	12300
	TC2	14900	14900	14900	14600	14800	14800	13100	13900	14000	11900	12700	13400
	TC2.5	14900	14900	14900	14900	14900	14900	14300	14600	14600	13100	13900	14000
	TC3 & 4	14900	14900	14900	14900	14900	14900	14900	14900	14900	14400	14700	14700
C300-30	TC1	14900	14900	14900	14500	14700	14700	12900	13800	13900	11800	12600	13300
	TC2	14900	14900	14900	14900	14900	14900	14500	14800	14800	13200	14100	14100
	TC2.5	14900	14900	14900	14900	14900	14900	14900	14900	14900	14500	14700	14700
	TC3 & 4	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900
C350-24	TC1	14900	14900	14900	14400	14900	14900	12900	13800	14700	11800	12500	13600
	TC2	14900	14900	14900	14900	14900	14900	14500	14900	14900	13200	14100	14900
	TC2.5	14900	14900	14900	14900	14900	14900	14900	14900	14900	14400	14900	14900
	TC3 & 4	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900
C350-30	TC1	14900	14900	14900	14900	14900	14900	14900	14900	14900	14000	14900	14900
	TC2	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900
	TC2.5	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900
	TC3 & 4	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900

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