

CLOSED END CUTTING
MOULDED GRATING

Introduction

Moulded FRP Grating is a versatile product that can be produced in a variety of sizes and thicknesses however, they are generally stocked in **standard panel sizes** that can be cut to suit project specific requirements. FRP panels can be cut to precise measurements, though it is advised that they are cut to a length that leaves no open ends. This brochure presents closed end lengths for the following moulded grating types:

- **MG3838 - Moulded Grating 38 x 38 mesh - 38 thick**
- **MG1938 - Mini mesh Moulded Grating 19 x 19 - 38 thick**
- **MG1338 - Heel Guard Moulded Grating 13 x 13 - 38 thick**



Cost
Competitive



Non-corrosive &
rot resistant



As strong as
steel



Termite and
vermin proof



High fire
resistance



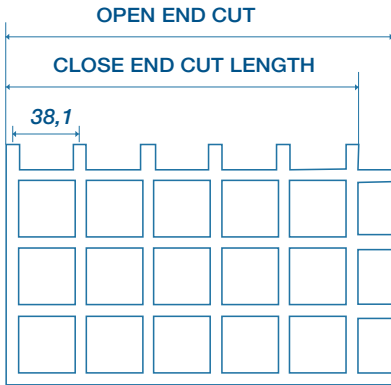
UV
Stabilised



Lightweight & easy
to manoeuvre

Direction of Use

While GRP Australia offers cutting services, clients who wish to do it themselves are encouraged to follow this guide in addition to the Fabrication Brochure. Depending on the application, open ended cuts are likely to result in fibre damage. When cutting moulded grating, use these tables as a guide to ensure closed end features. GRP Australia recommends adjusting length requirements to suit closed end cuts where possible. Refer to panel diagrams for more details.



Moulded Grating 38x38 Mesh

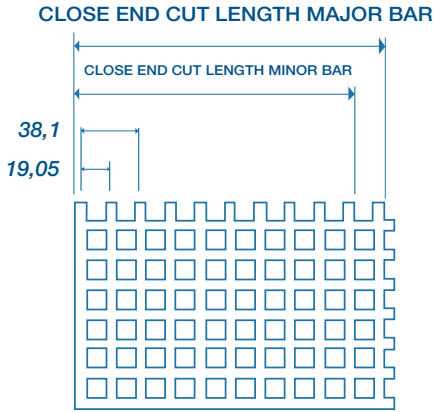
Mesh grid spacing: 38.1 x 38.1 mm

Grating Thickness: 38.1mm

Bar size: 7mm top, 5.0 bottom.

Overall Tolerance: ± 3 mm

NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)
1	45	25	960	49	1874	73	2788
2	83	26	998	50	1912	74	2826
3	121	27	1036	51	1950	75	2865
4	159	28	1074	52	1988	76	2903
5	198	29	1112	53	2026	77	2941
6	236	30	1150	54	2064	78	2979
7	274	31	1188	55	2103	79	3017
8	312	32	1226	56	2141	80	3055
9	350	33	1264	57	2179	81	3093
10	388	34	1302	58	2217	82	3131
11	426	35	1341	59	2255	83	3169
12	464	36	1379	60	2293	84	3207
13	502	37	1417	61	2331	85	3246
14	540	38	1455	62	2369	86	3284
15	579	39	1493	63	2407	87	3322
16	617	40	1531	64	2445	88	3360
17	655	41	1569	65	2484	89	3398
18	693	42	1607	66	2522	90	3436
19	731	43	1645	67	2560	91	3474
20	769	44	1683	68	2598	92	3512
21	807	45	1722	69	2636	93	3550
22	845	46	1760	70	2674	94	3588
23	883	47	1798	71	2712	95	3627
24	921	48	1836	72	2750	96	3665



*Shaded numbers are minor load bars which are not full depth bars.

Mini Mesh Moulded Grating 19x19

Mesh Grid Spacing: 19.05 X 19.05 / 38.1X 38.1 mm

Grating Thickness: 38.1mm

Bar Size: 6.5mm top, 5.0 bottom

Overall Tolerance: ± 3mm

NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)
1	26	25	486	49	944	73	1401
2	45	26	506	50	963	74	1420
3	68	27	524	51	981	75	1439
4	88	28	544	52	1001	76	1458
5	107	29	563	53	1018	77	1477
6	127	30	582	54	1039	78	1496
7	144	31	601	55	1058	79	1515
8	164	32	619	56	1077	80	1534
9	183	33	639	57	1096	81	1553
10	203	34	658	58	1114	82	1573
11	220	35	677	59	1134	83	1592
12	239	36	696	60	1153	84	1610
13	258	37	714	61	1172	85	1629
14	278	38	734	62	1191	86	1648
15	296	39	753	63	1210	87	1667
16	315	40	772	64	1229	88	1687
17	334	41	791	65	1248	89	1705
18	354	42	810	66	1268	90	1724
19	372	43	829	67	1286	91	1743
20	291	44	848	68	1306	92	1760
21	410	45	867	69	1324	93	1781
22	429	46	886	70	1348	94	1801
23	448	47	905	71	1362	95	1820
24	467	48	924	72	1382	96	1839

NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)
97	1857	121	2315	145	2772	169	3229
98	1877	122	2334	146	2791	170	3248
99	1896	123	2353	147	2810	171	3267
100	1915	124	2372	148	2830	172	3286
101	1934	125	2392	149	2848	173	3305
102	1953	126	2410	150	2868	174	3324
103	1972	127	2429	151	2887	175	3343
104	1991	128	2448	152	2905	176	3362
105	2010	129	2467	153	2924	177	3381
106	2029	130	2486	154	2943	178	3400
107	2048	131	2505	155	2962	179	3429
108	2067	132	2524	156	2981	180	3438
109	2086	133	2543	157	3000	181	3457
110	2105	134	2563	158	3020	182	3476
111	2124	135	2582	159	3039	183	3495
112	2143	136	2601	160	3057	184	3515
113	2162	137	2620	161	3077	185	3533
114	2182	138	2639	162	3096	186	3553
115	2200	139	2658	163	3115	187	3571
116	2220	140	2677	164	3134	188	3591
117	2238	141	2695	165	3153	189	3610
118	2257	142	2715	166	3173	190	3628
119	2277	143	2734	167	3192	191	3647
120	2296	144	2753	168	3210	192	3665

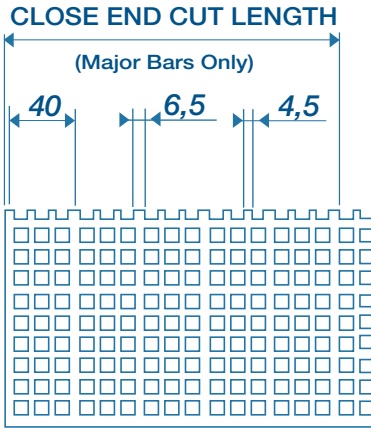


Table below for Heel Guard shows only the dimensions for the major hole cut lengths.

Heel Guard Moulded Grating 13x13

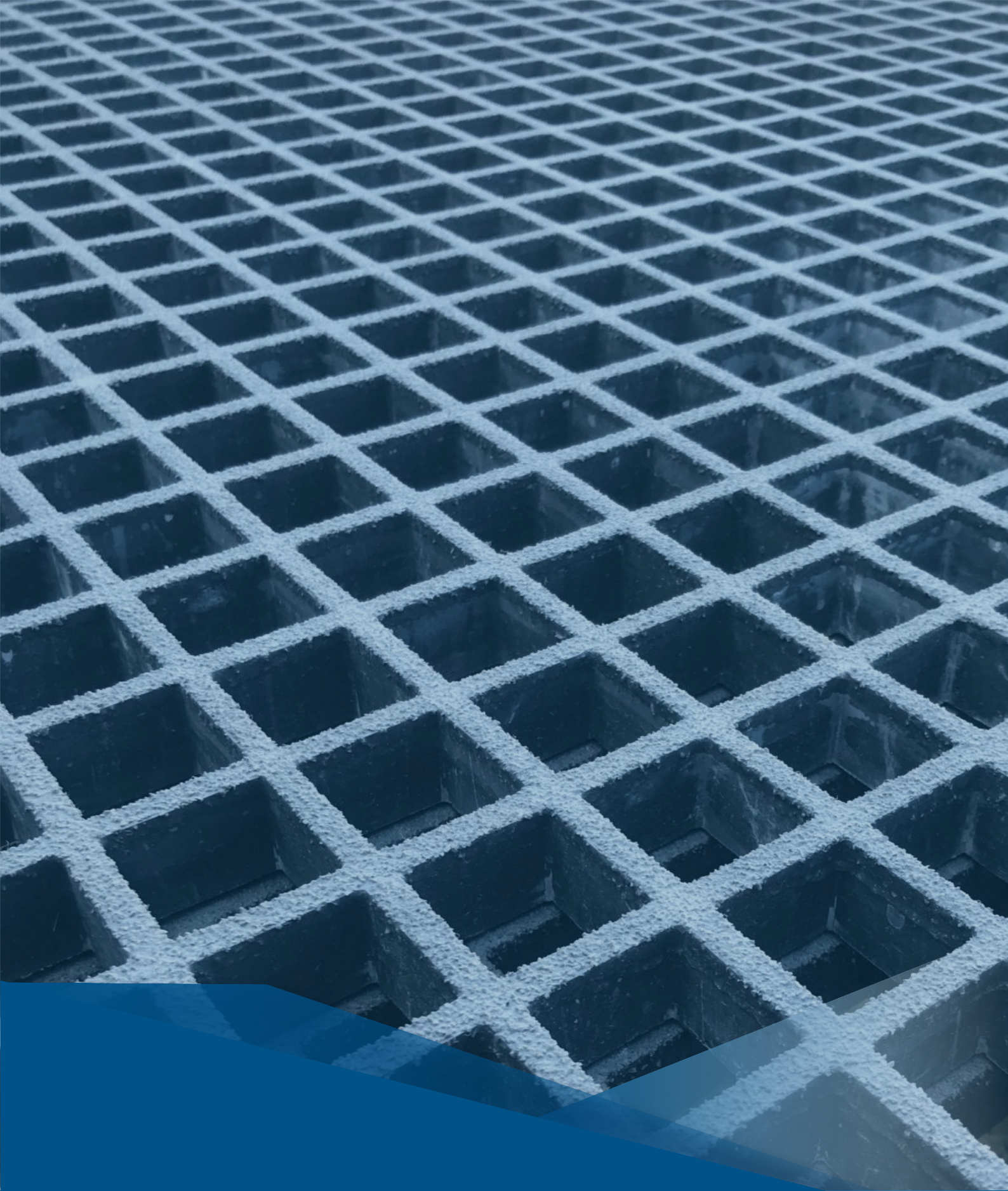
Mesh Grid Spacing: 13.3 X 13.3 / 40 X 40 mm

Grating Thickness: 38.1mm

Bar Size: 6.5mm/4.5 top, 5.0 bottom

Overall Tolerance: ± 3mm

NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)	NO. HOLES	TOP LENGTH (MM)
1	47	27	1087	53	2127	79	3167
2	87	28	1127	54	2167	80	3207
3	127	29	1167	55	2207	81	3247
4	167	30	1207	56	2247	82	3287
5	207	31	1247	57	2287	83	3327
6	247	32	1287	58	2327	84	3367
7	287	33	1327	59	2367	85	3407
8	327	34	1367	60	2407	86	3447
9	367	35	1407	61	2447	87	3487
10	407	36	1447	62	2487	88	3527
11	447	37	1487	63	2527	89	3567
12	487	38	1527	64	2567	90	3607
13	527	39	1567	65	2607	91	3647
14	567	40	1607	66	2647	92	3687
15	607	41	1647	67	2687	93	3727
16	647	42	1687	68	2727	94	3767
17	687	43	1727	69	2767	95	3807
18	727	44	1767	70	2807	96	3847
19	767	45	1807	71	2847	97	3887
20	807	46	1847	72	2887	98	3927
21	847	47	1887	73	2927	99	3967
22	887	48	1927	74	2967	100	4007
23	927	49	1967	75	3007	101	4047
24	967	50	2007	76	3047		
25	1007	51	2047	77	3087		
26	1047	52	2087	78	3127		



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