

MOULDED GRATING **CUTTING GUIDE**

GRP AUSTRALIA

GRP-GU-03-REV02

MOULDED GRATING CUTTING GUIDE 2025

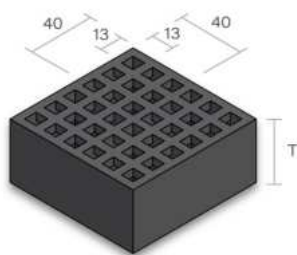
CONTENTS

PAGE
NUMBER

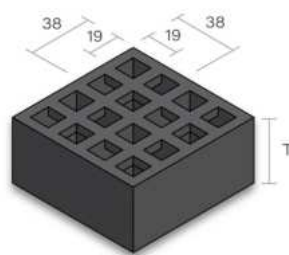
1.0	OVERVIEW	3
2.0	13x13 Heel Guard	4
3.0	19x19 Mini Mesh	5
4.0	26x26 Agri Mesh	7
5.0	38x38 Standard	9
6.0	50x50 Standard	10
7.0	83x83 Standard	11

1.0 OVERVIEW

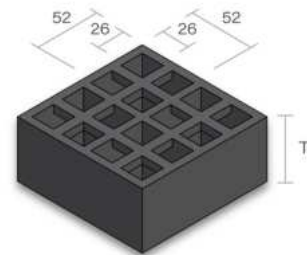
FRP Moulded Grating is a versatile product that can be produced in a variety of sizes & thicknesses however, they are generally stocked in standard panel sizes that can be cut to suit project specific requirements. FRP panels can be cut to precise measurements, though it is advised that they are cut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



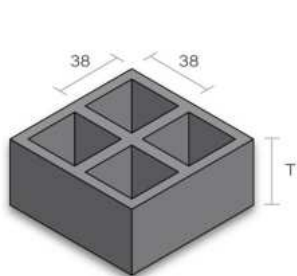
HEEL GUARD
13x13 / 40x40



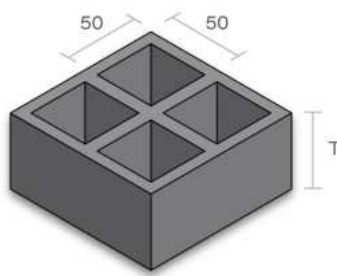
MINI MESH
19x19 / 38x38



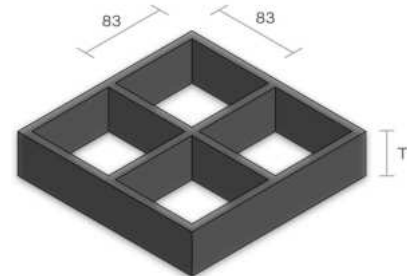
AGRI MESH
26x26 / 52x52



STANDARD
38x38



STANDARD
50x50



STANDARD
83x83

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.

Benefits of FRP Moulded Grating



**Cost
Competitive**



**Non-corrosive
& rot resistant**



**As strong as
steel**



**Termite &
vermin proof**



**High fire
resistance**



**UV
Stabilised**



**Lightweight &
easy to lift**

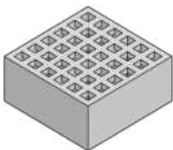
MOULDED GRATING

CUTTING GUIDE

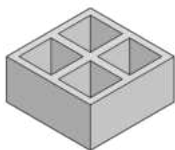
4

2.0 13x13 | HEEL GUARD

Heel Guard Moulded Grating is perfect for commercial and residential applications, including outdoor patios, pool areas, and walkways, where slip resistance and safety are essential.



13x13 / 40x40
TOP VIEW



13x13 / 40x40
UNDERSIDE VIEW

Hole Apperture: 8mm

Open Rate: 30%

Overall Tolerance: ± 3 mm

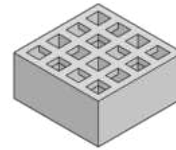


**Table only shows the dimensions for closed end cut dimensions for major bars*

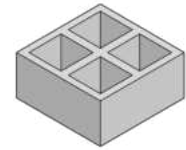
NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
1	47	27	1087	53	2127	79	3167
2	87	28	1127	54	2167	80	3207
3	127	29	1167	55	2207	81	3227
4	167	30	1207	56	2247	82	3287
5	207	31	1247	57	2287	83	3327
6	247	32	1287	58	2327	84	3367
7	287	33	1327	59	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		

3.0 19x19 | MINI MESH

Minimesh Grating is an ideal solution for commercial and marine applications such as boardwalks, pontoons, and marina walkways, where exposure to water and harsh environmental conditions demands durability & slip resistance.



**19x19 / 38x38
TOP VIEW**



**19x19 / 38x38
UNDERSIDE VIEW**

Hole Aperture: 13mm

Open Rate: 40%

Overall Tolerance: ± 3mm



NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
1	26 MIN	27	521	53	1015	79	1512
2	45 MAJ	28	541	54	1036	80	1531
3	68	29	560	55	1055	81	1550
4	85	30	579	56	1074	82	1570
5	104	31	598	57	1093	83	1589
6	123	32	616	58	1111	84	1604
7	140	33	636	59	1131	85	1626
8	160	34	655	60	1150	86	1645
9	180	35	674	61	1169	87	1664
10	200	36	693	62	1188	88	1684
11	217	37	711	63	1207	89	1702
12	236	38	731	64	1226	90	1721
13	255	39	750	65	1245	91	1740
14	275	40	769	66	1265	92	1759
15	293	41	788	67	1283	93	1778
16	312	42	807	68	1303	94	1797
17	331	43	826	69	1321	95	1817
18	351	44	845	70	1341	96	1836
19	369	45	864	71	1359	97	1855
20	388	46	883	72	1379	98	1874
21	407	47	902	73	1398	99	1893
22	426	48	921	74	1417	100	1912
23	445	49	941	75	1436	101	1931
24	464	50	960	76	1455	102	1950
25	483	51	978	77	1474	103	1969
26	503	52	998	78	1493	104	1988

MOULDED GRATING

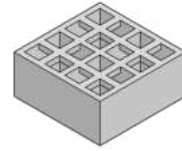
CUTTING GUIDE

6

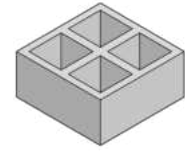
NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
105	2007 MIN	131	2503	157	2998	183	3493
106	2026 MAJ	132	2521	158	3017	184	3512
107	2045	133	2541	159	3036	185	3531
108	2064	134	2560	160	3055	186	3550
109	2083	135	2579	161	3074	187	3569
110	2102	136	2598	162	3093	188	3588
111	2121	137	2617	163	3112	189	3607
112	2140	138	2636	164	3131	190	3626
113	2159	139	2655	165	3150	191	3646
114	2179	140	2674	166	3169	192	3665
115	2197	141	2693	167	3188		
116	2217	142	2712	168	3207		
117	2236	143	2731	169	3226		
118	2254	144	2750	170	3245		
119	2274	145	2769	171	3265		
120	2293	146	2788	172	3284		
121	2312	147	2807	173	3303		
122	2321	148	2826	174	3322		
123	2350	149	2845	175	3341		
124	2369	150	2864	176	3360		
125	2388	151	2881	177	3379		
126	2407	152	2903	178	3398		
127	2426	153	2922	179	3417		
128	2445	154	2941	180	3436		
129	2464	155	2960	181	3455		
130	2483	156	2979	182	3474		

4.0 26x26 | AGRI MESH

Agri Mesh Moulded Grating offers a durable, lightweight, & corrosion-resistant solution for various agricultural applications. Ideal for use in livestock areas, drainage systems, walkways, and other environments exposed to harsh conditions.



26x26 / 52x52
TOP VIEW



26x26 / 52x52
UNDERSIDE VIEW

Hole Aperture: 19mm

Open Rate: 60%

Overall Tolerance: ± 3 mm



NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
1	33 MIN	27	709	53	1385	79	2061
2	59 MAJ	28	735	54	1411	80	2087
3	85	29	761	55	1437	81	2113
4	111	30	787	56	1463	82	2139
5	137	31	813	57	1489	83	2165
6	163	32	839	58	1512	84	2191
7	189	33	865	59	1540	85	2217
8	215	34	891	60	1567	86	2243
9	241	35	917	61	1593	87	2269
10	267	36	943	62	1619	88	2295
11	293	37	969	63	1645	89	2321
12	319	38	995	64	1671	90	2347
13	345	39	1021	65	1697	91	2373
14	371	40	1047	66	1723	92	2399
15	397	41	1073	67	1749	93	2425
16	423	42	1099	68	1775	94	2451
17	449	43	1125	69	1801	95	2477
18	475	44	1151	70	1827	96	2503
19	501	45	1177	71	1853	97	2529
20	527	46	1203	72	1879	98	2555
21	553	47	1229	73	1905	99	2581
22	579	48	1255	74	1931	100	2607
23	605	49	1281	75	1957	101	2633
24	631	50	1307	76	1983	102	2659
25	657	51	1333	77	2009	103	2685
26	683	52	1359	78	2035	104	2711

MOULDED GRATING

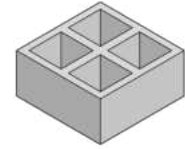
CUTTING GUIDE

8

NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
105	2737 MIN	121	3153	137	3569	153	3985
106	2763 MAJ	122	3173	138	3597	154	4012
107	2789	123	3205	139	3621	155	4037
108	2815	124	3231	140	3647	156	4053
109	2841	125	3257	141	3673		
110	2867	126	3283	142	3699		
111	2893	127	3309	143	3725		
112	2919	128	3335	144	3751		
113	2945	129	3361	145	3777		
114	2971	130	3387	146	3803		
115	2997	131	3413	147	3829		
116	3023	132	3439	148	3855		
117	3049	133	3465	149	3881		
118	3075	134	3491	150	3907		
119	3101	135	3517	151	3933		
120	3127	136	3543	152	3959		

5.0 38x38 | STANDARD

Standard Grating is a durable, corrosion-resistant solution commonly used in harsh industrial environments, including wastewater treatment plants, chemical processing facilities, and offshore platforms.



**38x38
TOP VIEW**

Hole Aperture: 33mm

Open Rate: 56-78%

Overall Tolerance: $\pm 3\text{mm}$



NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
1	45	28	1074	55	2103	82	3131
2	83	29	1112	56	2141	83	3169
3	121	30	1150	57	2179	84	3207
4	159	31	1188	58	2217	85	3246
5	198	32	1226	59	2255	86	3284
6	236	33	1264	60	2293	87	3322
7	274	34	1302	61	2331	88	3360
8	312	35	1341	62	2369	89	3398
9	350	36	1379	63	2407	90	3436
10	388	37	1417	64	2445	91	3474
11	426	38	1455	65	2484	92	3512
12	464	39	1493	66	2522	93	3550
13	502	40	1531	67	2560	94	3588
14	540	41	1569	68	2598	95	3627
15	579	42	1607	69	2636	96	3665
16	617	43	1645	70	2674	97	3683
17	655	44	1683	71	2712	98	3702
18	693	45	1722	72	2750	99	3740
19	731	46	1760	73	2788	100	3778
20	769	47	1798	74	2826	101	3817
21	807	48	1836	75	2865	102	3855
22	845	49	1874	76	2903	103	3893
23	883	50	1912	77	2941	104	3931
24	921	51	1950	78	2979	105	3969
25	960	52	1988	79	3017	106	4010
26	998	53	2026	80	3055		
27	1036	54	2064	81	3093		

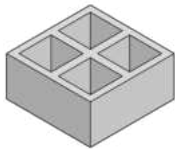
MOULDED GRATING

CUTTING GUIDE

10

6.0 50x50 | STANDARD

50x50 Standard Grating is a durable, corrosion-resistant solution commonly used in harsh industrial environments, including wastewater treatment plants, chemical processing facilities, and offshore platforms.



50x50
TOP VIEW

Hole Apperture: 44mm

Open Rate: 78-82%

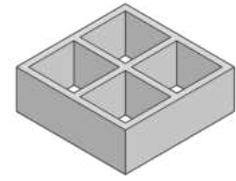
Overall Tolerance: ± 3 mm



NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
1	57	21	1073	41	2088	61	3104
2	108	22	1123	42	2139	62	3155
3	159	23	1174	43	2190	63	3205
4	210	24	1225	44	2241	64	3256
5	260	25	1276	45	2291	65	3307
6	311	26	1327	46	2342	66	3358
7	362	27	1377	47	2393	67	3408
8	412	28	1428	48	2444	68	3459
9	463	29	1479	49	2494	69	3510
10	514	30	1530	50	2545	70	3561
11	565	31	1580	51	2596	71	3612
12	616	32	1631	52	2647	72	3662
13	666	33	1682	53	2698	73	3713
14	717	34	1733	54	2748	74	3764
15	768	35	1784	55	2799	75	3815
16	819	36	1834	56	2850	76	3866
17	869	37	1885	57	2901	77	3916
18	920	38	1936	58	2951	78	3967
19	971	39	1987	59	3002	79	4020
20	1022	40	2037	60	3053		

7.0 83x83 | STANDARD

83x83 Moulded Grating is a lightweight, corrosion-resistant, and slip-resistant solution ideal for commercial and architectural applications. It is commonly used in facade designs, sunshades, balcony enclosures, rooftop access areas, and decorative structures, offering durability, weather resistance, and aesthetic versatility.



**83x83
TOP VIEW**

Hole Aperture: 76mm

Open Rate: 84%

Overall Tolerance: ± 3 mm



NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)	NO. HOLES	CLOSED ENDS (mm)
1	90	15	1247	29	2424	43	3591
2	173	16	1340	30	2507	44	3674
3	257	17	1424	31	2590	45	3757
4	340	18	1507	32	2674	46	3841
5	423	19	1590	33	2757	47	3924
6	507	20	1674	34	2841	48	4007
7	590	21	1757	35	2924		
8	673	22	1840	36	3007		
9	757	23	1924	37	3091		
10	840	24	2007	38	3174		
11	924	25	2090	39	3257		
12	1007	26	2174	40	3341		
13	1090	27	2257	41	3424		
14	1174	28	2340	42	3507		



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