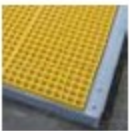


flowgrate



## Flowgrate Gratings

Uniform Distributed Loads (UDL) – kN/m<sup>2</sup>

Mesh	25mm		38mm		50mm	
	UDL (kN/m <sup>2</sup> )	Deflection (mm)	UDL (kN/m <sup>2</sup> )	Deflection (mm)	UDL (kN/m <sup>2</sup> )	Deflection (mm)
300	34.53	1.5	80.67	1.5	153.73	1.5
400	14.57	2.0	34.03	2.0	64.85	2.0
500	7.96	2.5	22.74	2.5	39.89	2.5
600	4.61	3.0	13.16	3.0	28.37	3.0
700	3.01	3.5	9.04	3.5	17.87	3.5
800	2.02	4.0	6.77	4.0	14.09	4.0
900	1.42	4.5	4.76	4.5	10.28	4.5
1000	-	-	3.47	5.0	7.49	5.0
1100	-	-	2.61	5.5	5.98	5.5
1200	-	-	2.14	6.0	4.60	6.0
1300	-	-	1.69	6.5	3.62	6.5
1400	-	-	1.35	7.0	2.90	7.0
1500	-	-	-	-	2.36	7.5
1600	-	-	-	-	1.94	8.0
1700	-	-	-	-	1.62	8.5
1800	-	-	-	-	1.36	9.0

Clear span – Deflection limited to L/200

1.50 kN/m <sup>2</sup>	883mm	1352mm	1744mm
3.00 kN/m <sup>2</sup>	701mm	1049mm	1384mm
5.00 kN/m <sup>2</sup>	591mm	902mm	1167mm
7.50 kN/m <sup>2</sup>	517mm	773mm	1020mm

## Flowgrate Gratings

Concentrated Load (kN/300mm width at mid span)

Mesh	25mm		38mm		50mm	
	C/L (kN)	Deflection (mm)	C/L (kN)	Deflection (mm)	C/L (kN)	Deflection (mm)
300	6.47	1.5	15.13	1.5	28.82	1.5
400	3.64	2.0	8.51	2.0	16.21	2.0
500	2.49	2.5	7.11	2.5	12.47	2.5
600	1.73	3.0	4.94	3.0	10.64	3.0
700	1.32	3.5	3.95	3.5	7.82	3.5
800	1.01	4.0	3.39	4.0	7.05	4.0
900	0.80	4.5	2.68	4.5	5.78	4.5
1000	0.65	5.0	2.17	5.0	4.68	5.0
1100	0.53	5.5	1.79	5.5	4.11	5.5
1200	-	-	1.61	6.0	3.45	6.0
1300	-	-	1.37	6.5	2.94	6.5
1400	-	-	1.18	7.0	2.54	7.0
1500	-	-	1.03	7.5	2.21	7.5
1600	-	-	-	-	1.94	8.0
1700	-	-	-	-	1.72	8.5
1800	-	-	-	-	1.53	9.0

