

EMPTY/FULL RATIO FOR GRATING PANELS

In accordance with section 3.9.1 of Italian Ministerial Decree dated 01.02.1986 (Fire Safety standard), natural ventilation openings in parking garages must have a surface of no less than 1/25 of the total floor surface. Therefore, when using grating panels for covering ventilation openings, it is necessary to consider the empty/full ratio of the different types of grating, as shown in the following tables.

GES ELECTRO-WELDED GRATING

BEARING BAR THICKNESS	CROSS BAR DIAMETER	MESH										
		11x76	15x76	17x76	22x38	22x76	25x24	25x76	30x50	30x100	34x38	34x76
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	4	0.78	0.82	0.84	0.81	0.86	0.77	0.87	0.86	0.90	0.84	0.89
3	4.5	0.68	0.75	0.77	0.76	0.81	0.72	0.83	0.82	0.86	0.80	0.86
4	5	0.59	0.69	0.71	0.71	0.76	0.67	0.78	0.78	0.82	0.77	0.82
5	5	0.51	0.62	0.66	0.67	0.72	0.63	0.75	0.75	0.79	0.74	0.80

GP PRESS-LOCKED GRATING

BEARING BAR THICKNESS	CROSS BAR THICKNESS	MESH									
		11x66	15x66	22x22	22x66	25x66	33x33	33x66	44x44	66x11	66x33
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	2	0.79	0.84	0.83	0.88	0.89	0.88	0.91	0.91	0.79	0.91
3	2	0.71	0.78	0.79	0.84	0.85	0.85	0.88	0.89	0.78	0.90
4	3	0.61	0.70	0.71	0.78	0.80	0.80	0.84	0.85	0.68	0.85
5	3	0.52	0.64	0.67	0.74	0.76	0.77	0.81	0.83	0.67	0.84