Computer Room Floor Grilles

Description

For supply or extract applications, the grilles are designed to integrate with the most popular raised access floor systems. Available in both Light and Extra Heavy duty grades to BS-EN 13264:2001.

Construction

Manufactured from heavy gauge aluminium extrusions, the frames are of fully welded construction. Extra heavy duty versions incorporate rear reinforcement mullions to maintain full structural integrity.

The grille core is constructed from extruded aluminium bars with a face thickness of 6mm, and is welded into the retaining frame.

The frame profile is designed to sit directly in contact with the floor pedestal earth terminal, removing the need for additional earth bonding connections and their associated expense.

Certification

Independently tested by the University of Salford and at Building Testing Ltd, the R76 exceeds the requirements of BS-EN 13264:2001 for extra heavy grade structural classifcation in static load tests, rolling load tests and impact load tests.

Size and Weight

600 x 600 tile module size as standard, though other sizes are available on request.
Light duty grille 8.5 kg
Extra heavy duty grille 14.0kg
Optional OBD 2.0kg

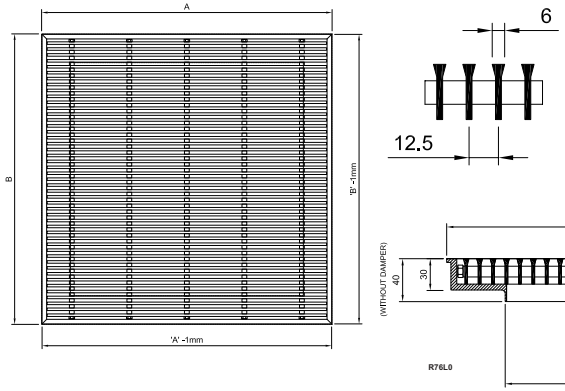
How To Specify

STATE QUANTITY, THE PRODUCT CODING AND THE SIZE.
Eg 10Qty R76LV+BD 600 x 600 x 36 thick.

Frame Style	Core	Options	Accessories
H Modular Tile 1.5Kn Loading	76 0° Bars Heavy Duty	L Fixed Core	0 None
R Modular Tile 4.5Kn Loading		C Removable Core	V Damper
			P Sliding Plate

+

Tile Thickness	Finish
0 Floor Tile Replacer	C PPC BS/RAL Colour
X Packers To Suit Specified Tile Depth	D Mill Finish
A 41mm Thick	K Nylon Coating
B Specify Thickness	L Linished
	T Shadow Line



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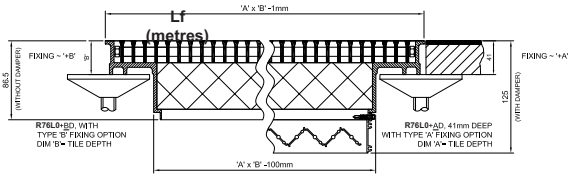
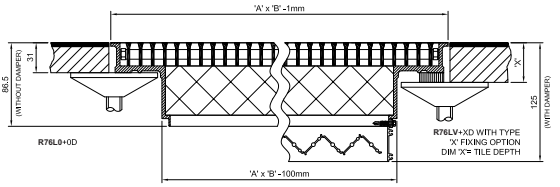
Computer Room Floor Grilles

Extra Heavy Duty Floor Grille

Designed to meet the 'Extra Heavy' structural classification of BSEN 13264:2001 for Grilles in raised access floors, the Grille is fully certified to the testing standard for static loads, rolling loads and impact loads. It is therefore suitable for computer rooms and data centre halls where heavy static or rolling loads are encountered.





Technical Data Computer Room Floor Grilles

Technical Data (Supply)							
qm (ls)	Vf (M/s)	Vk (M/s)	Lt (metres)	H76L0 (without damper)		H76LV (with damper)	
				Ps (Pa)	NC	Ps (Pa)	NC
100	0.29	0.75	1.6	1	-	1	-
150	0.44	1.13	1.9	2	-	3	-
200	0.58	1.5	2.4	3	-	4	15
250	0.73	1.88	2.6	5	14	7	17
300	0.88	2.25	2.9	6	16	9	20
350	1.02	2.63	3.2	9	19	13	24
400	1.17	3.0	3.7	11	21	16	26
450	1.32	3.38	3.9	13	24	19	29
500	1.46	3.75	4.3	15	25	22	31
550	1.61	4.14	4.5	18	27	26	33
600	1.75	4.51	-	20	28	30	36

Technical Data (Extract)					
q (ls)	Vf (M/s)	H76L0 (without damper)		H76LV (with damper)	
		Ps (Pa)	NC	Ps (Pa)	NC
100	0.29	2	-	3	-
200	0.58	4	18	7	22
300	0.88	8	21	11	25
400	1.17	13	24	18	29
500	1.46	18	26	23	31
600	1.75	23	28	27	33
700	2.04	26	34	39	39
800	2.33	32	37	46	43