

**Perforations with maximum functionality.**

Lindner Reinraumtechnik GmbH



**Lindner**

Building New Solutions

## 1. Preliminary remarks

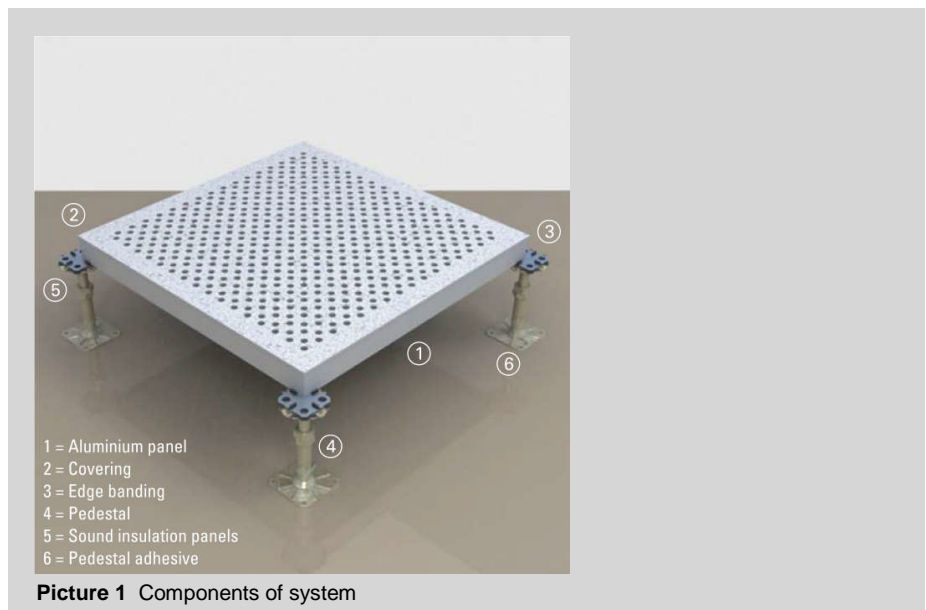
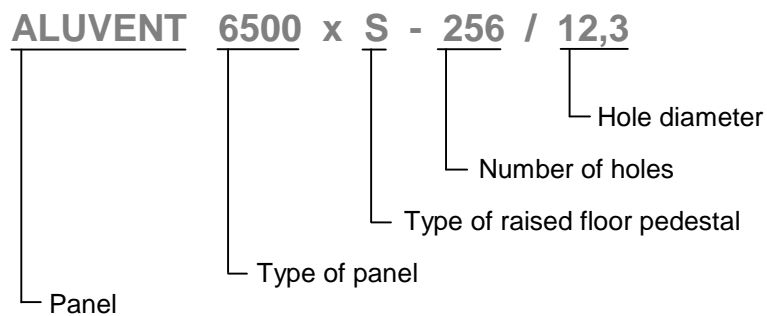
The specified hole diameters and the resulting free sections are valid for cleanroom aluminium raised floor type ALUVENT.

In the calculation of the open sections the perforated areas are related to the complete panel surface.

The hole diameters are also valid for panels with applied floor covering. At the version with surface coating the hole diameters may differ depending on the coating.

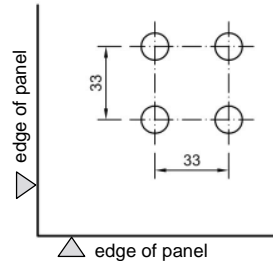
## 2. Drilling patterns

**Legend of the type labeling:**

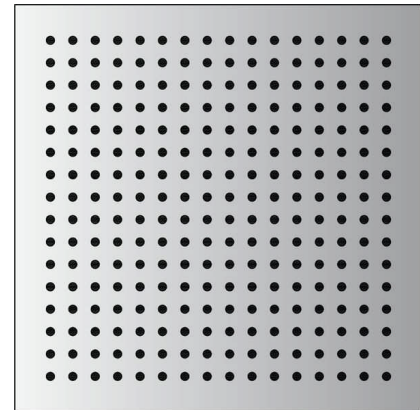


## 2.1 ALUVENT 256

**Straight hole lines**  
 Possible for ALUVENT 6500, 7500, 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 256



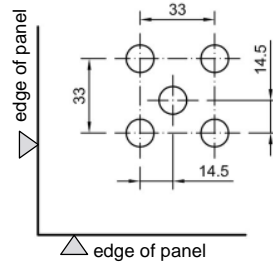
	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	129	3,6%
□	9,3 mm	174	4,8%
□	10,0 mm	201	5,6%
□	11,0 mm	243	6,8%
□	11,5 mm	266	7,4%
□	11,7 mm	275	7,6%
□	12,3 mm <sup>2)</sup>	304	8,4%
□	12,7 mm	324	9,0%
□	14,0 mm	394	10,9%



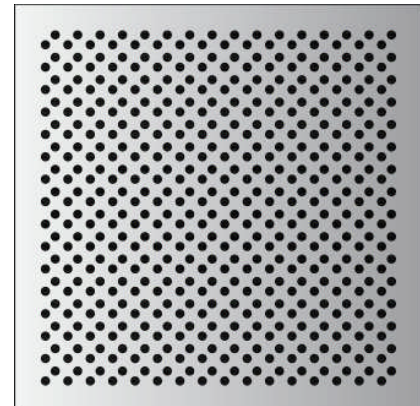
<sup>2)</sup> Standard hole diameter

## 2.2 ALUVENT 512

**Diagonal staggered lines**  
 Possible for ALUVENT 6500, 7500, 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 512



	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	257	7,1 %
□	9,3 mm	348	9,7%
□	10,0 mm	402	11,2%
□	11,0 mm	486	13,5%
□	11,5 mm	532	14,8%
□	11,7 mm	550	15,3%
□	12,3 mm <sup>2)</sup>	608	16,9%
□	12,7 mm	648	18,0%
□	14,0 mm	788	21,9%

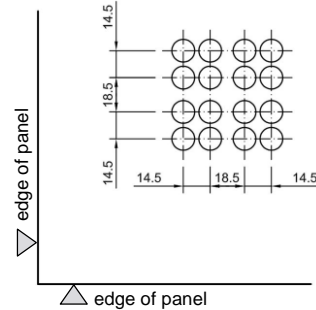


<sup>2)</sup> Standard hole diameter

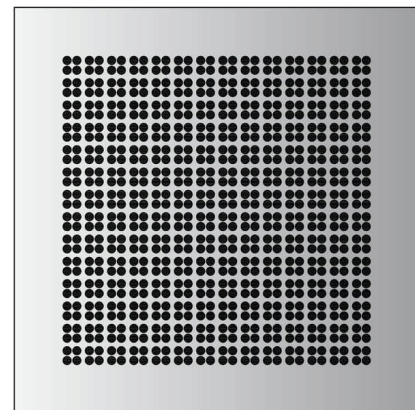
Information: The marked hole diameters are suitable for the defined requirements, for example the free cross section. Dimensional data are given in mm.

## 2.3 ALUVENT 784

**Straight hole lines**  
 Possible for ALUVENT 6500, 7500, 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 784



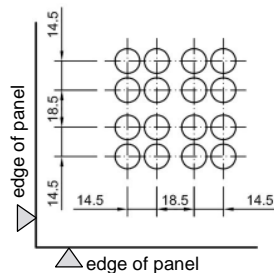
	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	394	10,9%
□	9,3 mm	532	14,8%
□	10,0 mm	615	17,1%
□	11,0 mm	745	20,7%
□	11,5 mm	814	22,6%
□	11,7 mm	842	23,4%
□	12,3 mm <sup>2)</sup>	931	25,9%
□	12,7 mm	993	27,6%



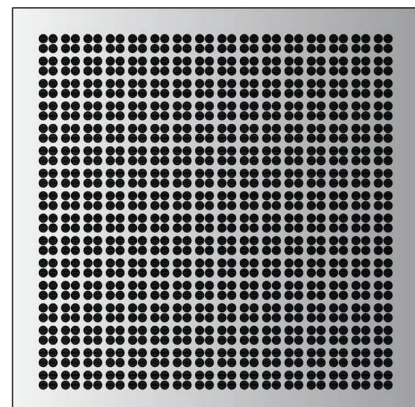
<sup>2)</sup> Standard hole diameter

## 2.4 ALUVENT 1024

**Straight hole lines**  
 Possible for ALUVENT 6500, 7500, 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 1024



	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	514	14,3%
□	9,3 mm	695	19,3%
□	10,0 mm	804	22,3%
□	11,0 mm	973	27,0%
□	11,5 mm	1063	29,5%
□	11,7 mm	1100	30,6%
□	12,3 mm <sup>2)</sup>	1216	33,8%
□	12,7 mm	1297	36,0%

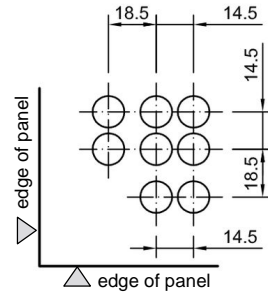


<sup>2)</sup> Standard hole diameter

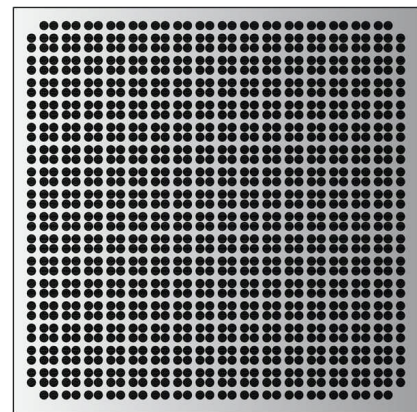
Information: The marked hole diameters are suitable for the defined requirements, for example the free cross section. Dimensional data are given in mm.

## 2.5 ALUVENT 1152

**Straight hole lines**  
 Possible for ALUVENT 6500, 7500, 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 1152



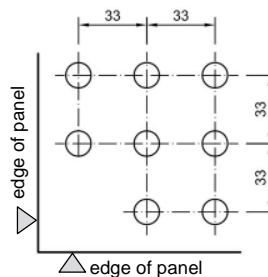
	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	579	16,1%
□	9,3 mm	782	21,7%
□	10,0 mm	904	25,1%
□	11,0 mm	1094	30,4%
□	11,5 mm	1196	33,2%
□	11,7 mm	1238	34,4%
□	12,3 mm <sup>2)</sup>	1368	38,0%
□	12,7 mm	1459	40,5%



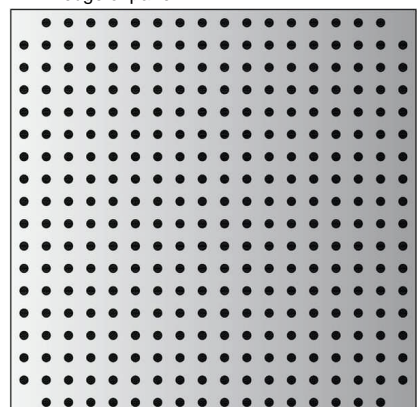
<sup>2)</sup> Standard hole diameter

## 2.6 ALUVENT 320

**Straight hole lines**  
 Possible only for ALUVENT 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 320



	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	161	4,5%
□	9,3 mm	217	6,0%
□	10,0 mm	251	7,0%
□	11,0 mm	304	8,4%
□	11,5 mm	332	9,2%
□	11,7 mm	344	9,6%
□	12,3 mm <sup>2)</sup>	380	10,6%
□	12,7 mm	405	11,3%
□	14,0 mm	492	13,7%

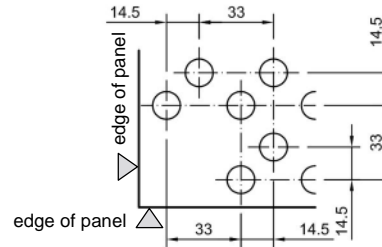


<sup>2)</sup> Standard hole diameter

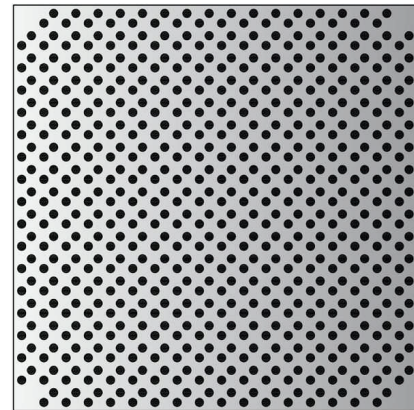
Information: The marked hole diameters are suitable for the defined requirements, for example the free cross section. Dimensional data are given in mm.

## 2.7 ALUVENT 640

**Diagonal staggered lines**  
 Possible only for ALUVENT 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 640



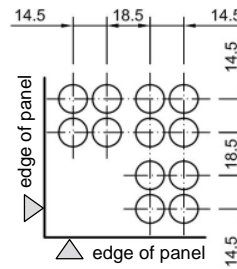
	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	322	8,9%
□	9,3 mm	435	12,1%
□	10,0 mm	502	14,0%
□	11,0 mm	608	16,9%
□	11,5 mm	664	18,5%
□	11,7 mm	688	19,1%
□	12,3 mm <sup>2)</sup>	760	21,1%
□	12,7 mm	810	22,5%



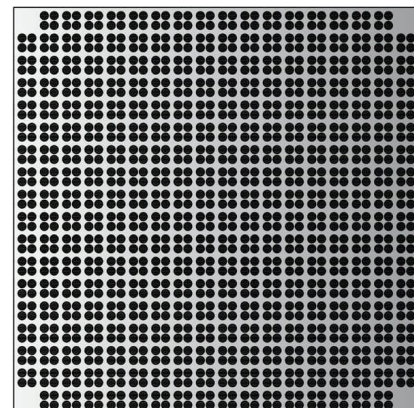
<sup>2)</sup> Standard hole diameter

## 2.8 ALUVENT 1280

**Straight hole lines**  
 Possible only for ALUVENT 10000 panels  
 Format 600 x 600 mm  
 Number of holes: 1280



	Hole diameter	Free cross section in cm <sup>2</sup>	Free cross section in %
□	8,0 mm	643	17,9%
□	9,3 mm	869	24,1%
□	10,0 mm	1005	27,9%
□	11,0 mm	1216	33,8%
□	11,5 mm	1329	36,9%
□	11,7 mm	1375	38,2%
□	12,3 mm <sup>2)</sup>	1520	42,2%
□	12,7 mm	1621	45,0%



<sup>2)</sup> Standard hole diameter

Information: The marked hole diameters are suitable for the defined requirements, for example the free cross section. Dimensional data are given in mm.