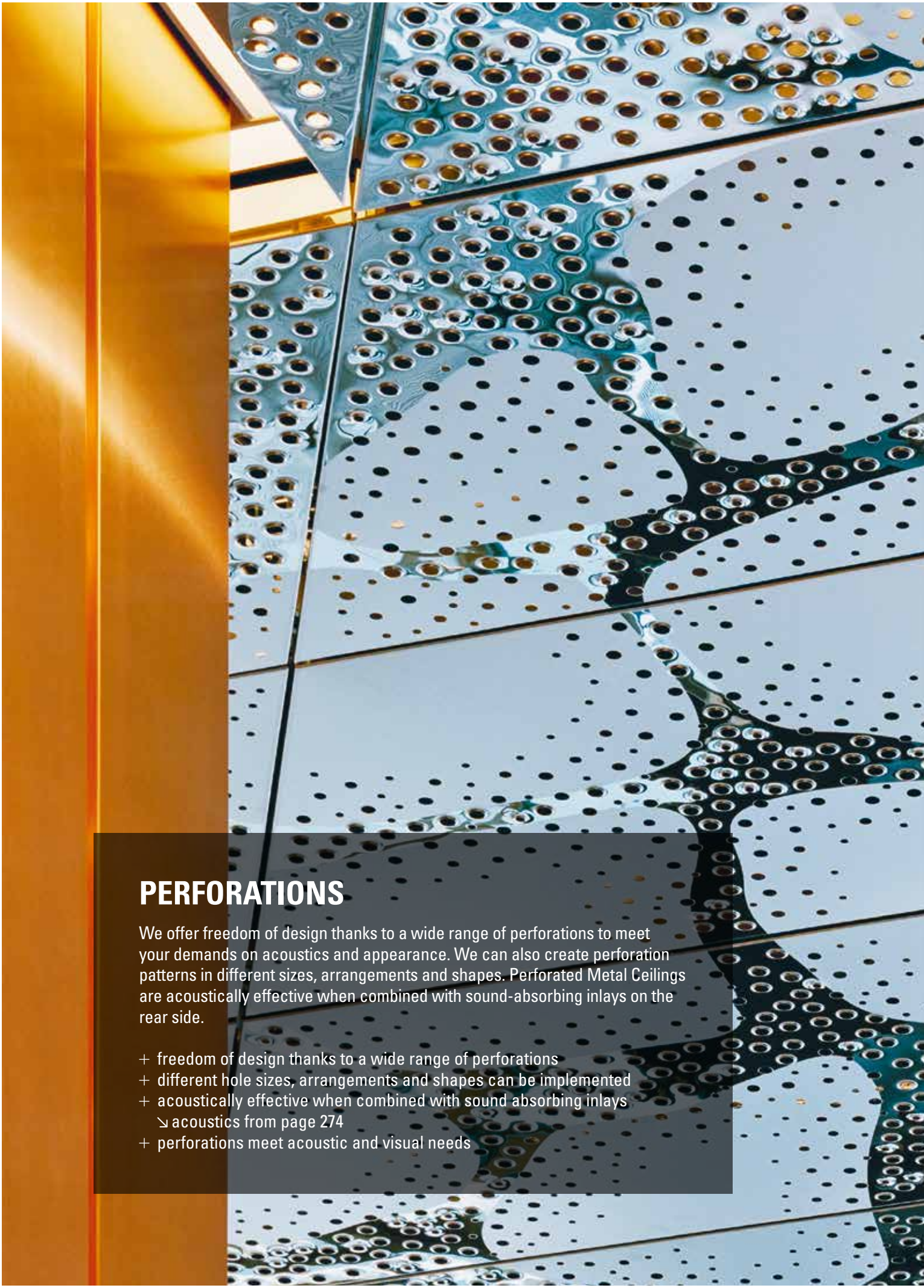
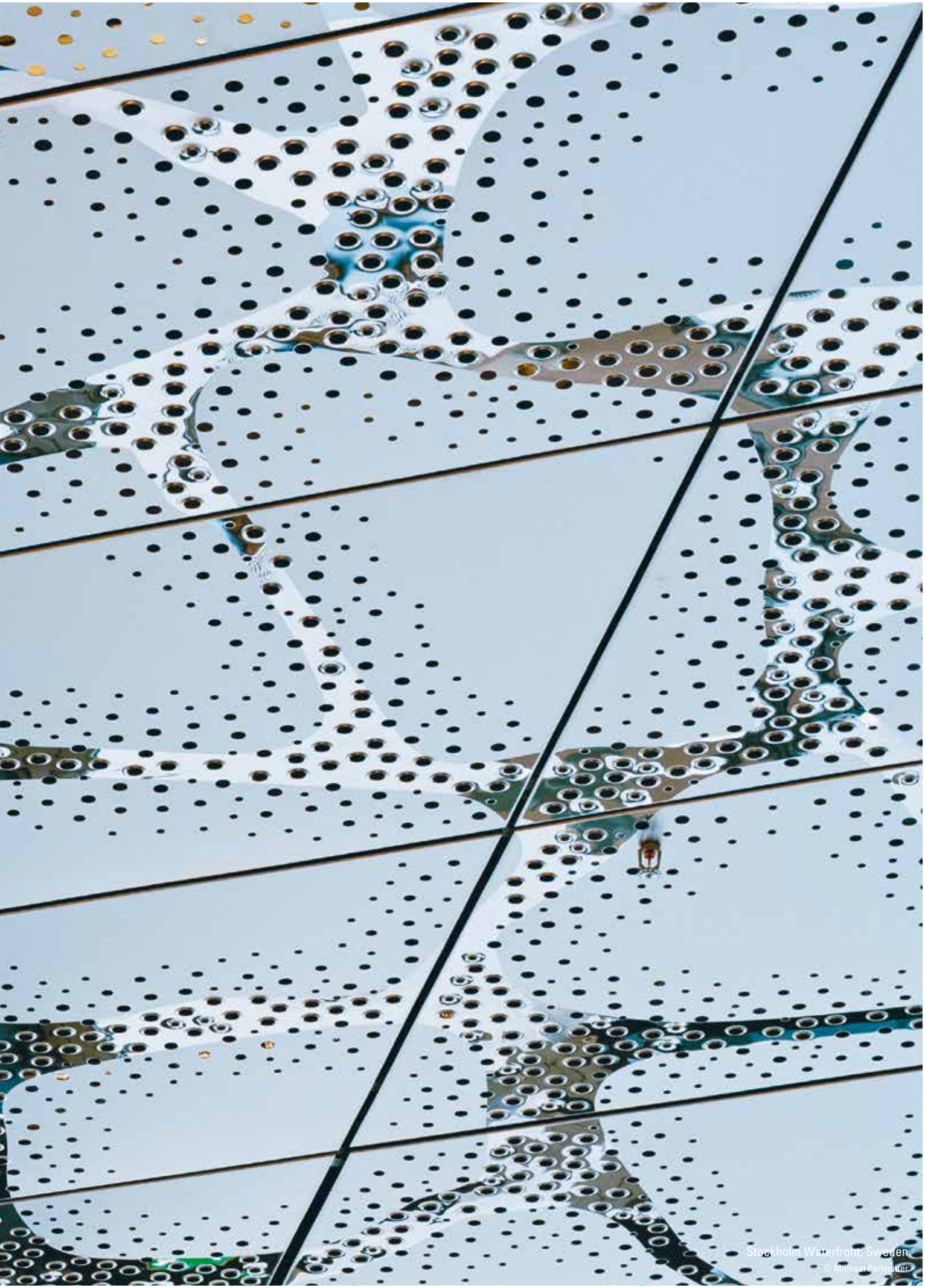


PERFORATIONS

We offer freedom of design thanks to a wide range of perforations to meet your demands on acoustics and appearance. We can also create perforation patterns in different sizes, arrangements and shapes. Perforated Metal Ceilings are acoustically effective when combined with sound-absorbing inlays on the rear side.

+ freedom of design thanks to a wide range of perforations
+ different hole sizes, arrangements and shapes can be implemented
+ acoustically effective when combined with sound absorbing inlays
  ↘ acoustics from page 274
+ perforations meet acoustic and visual needs



Stockholm Waterfront, Sweden
© Michael Perlmutter

TYPES OF PERFORATION PATTERNS

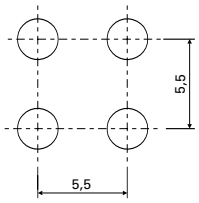
Rg	round holes arranged in straight pitch
Rd	round holes arranged in diagonal pitch (45°)
Rv	round holes arranged in diagonal pitch (60°)
Rs	round holes, special arrangement
Qg	square holes arranged in straight pitch
Qd	square holes arranged in diagonal pitch
Lg	slotted round holes arranged in straight pitch
Lge	slotted square holes arranged in straight pitch

Example:

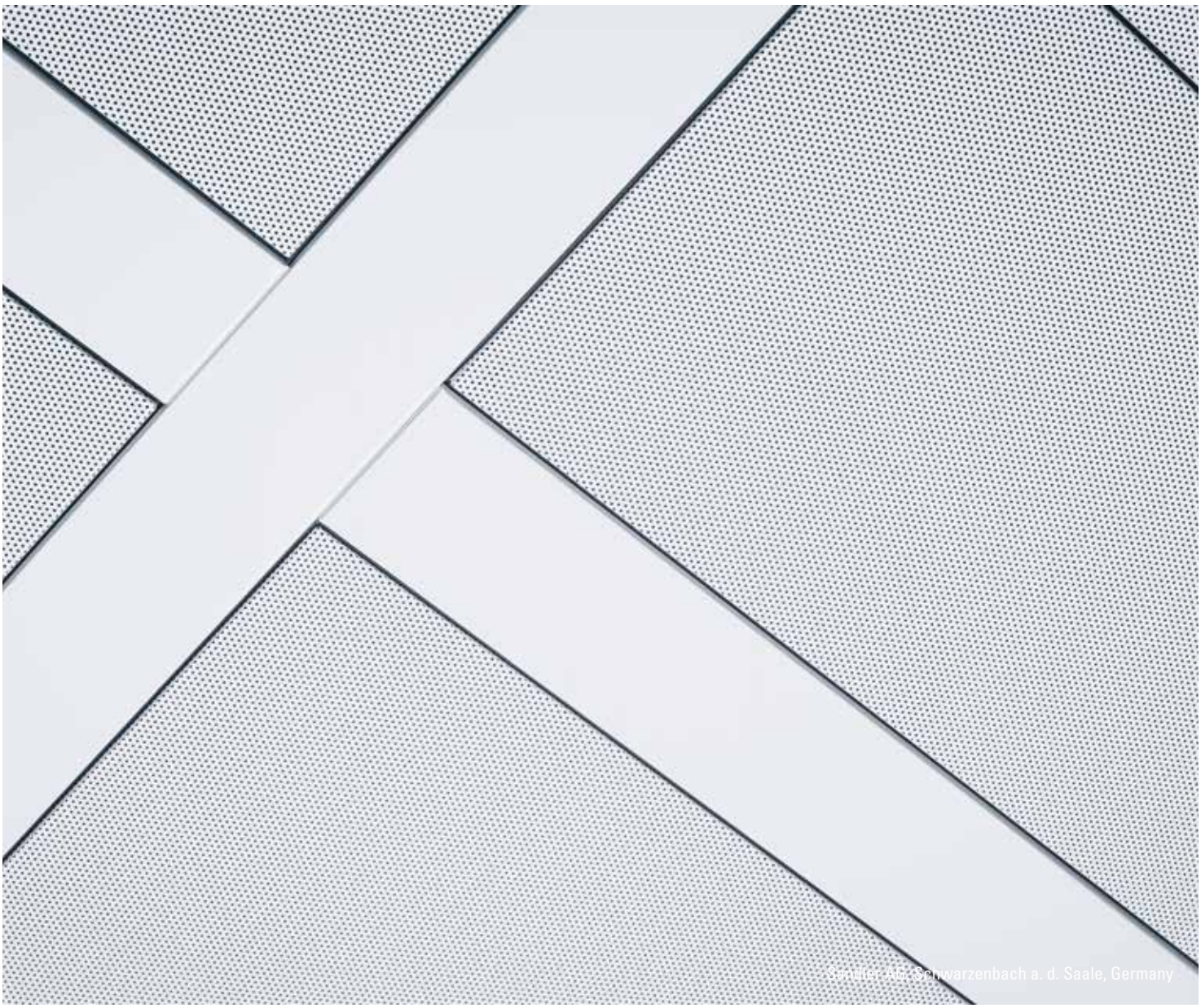
Rg 2,5 - 16

- open area: 16 %
- hole diameter: 2.5 mm

round holes arranged in straight pitch



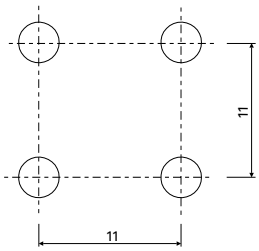
notice: shown perforations are not to scale.
1:1 illustrations can be found in the digital version by click on the perforation.

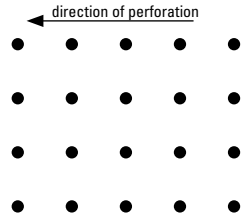


Saalfeld AG, Schwarzenbach a. d. Saale, Germany

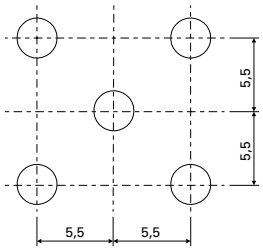
BASICline – STANDARD PERFORATIONS

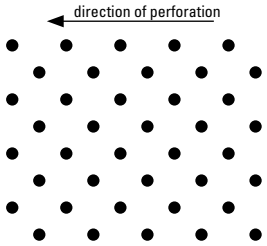
Rg 2,5 - 4
hole: ∅ 2.5 mm, straight pitch
open area: 4 %
material: steel | thickness: 0.6 mm | width of perforation: 1,400 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,400 mm



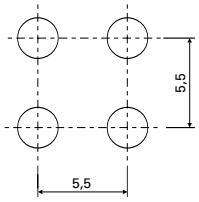


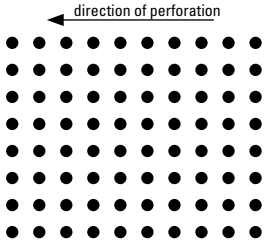
Rd 2,5 - 8
hole: ∅ 2.5 mm diagonal pitch
open area: 8 %
material: steel | thickness: 0.6 mm | width of perforation: 1,400 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,400 mm



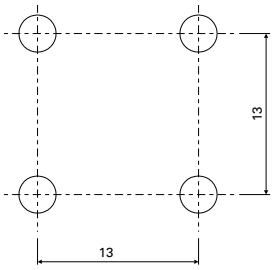


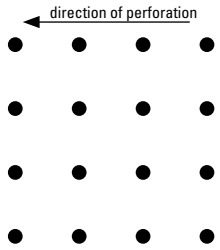
Rg 2,5 - 16
hole: ∅ 2.5 mm straight pitch
open area: 16 %
material: steel | thickness: 0.6 mm | width of perforation: 1,400 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,400 mm
material: aluminium | thickness: 0.8 mm | width of perforation: 790 mm



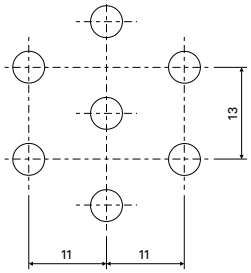


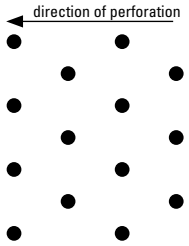
Rg 3,0 - 4
hole: ∅ 3.0 mm straight pitch
open area: 4 %
material: steel | thickness: 0.6 mm | width of perforation: 1,540 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,540 mm



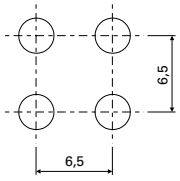


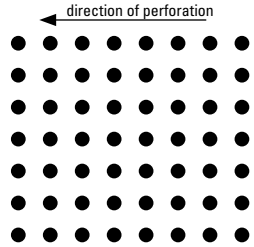
Rv 3,0 - 5
hole: ∅ 3.0 mm diagonal pitch
open area: 5 %
material: steel | thickness: 0.6 mm | width of perforation: 1,500 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,500 mm



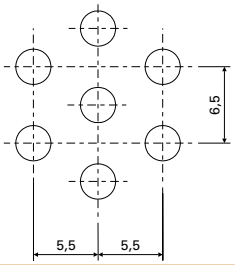


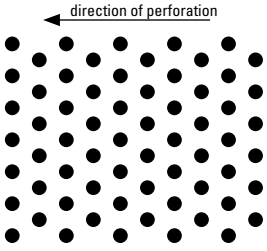
Rg 3,0 - 17
hole: ∅ 3.0 mm straight pitch
open area: 17 %
material: steel | thickness: 0.6 mm | width of perforation: 1,540 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,540 mm
material: aluminum | thickness: 0.7 mm | width of perforation: 650 mm





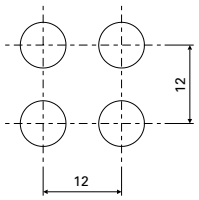
Rv 3,0 - 20
hole: ∅ 3.0 mm diagonal pitch
open area: 20 %
material: steel | thickness: 0.6 mm | width of perforation: 1,500 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,500 mm

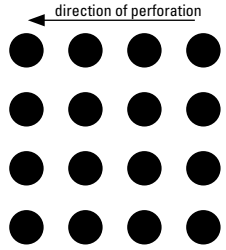




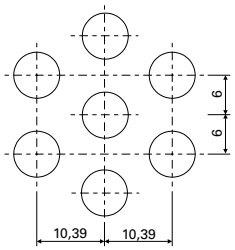
BASICline – STANDARD PERFORATIONS

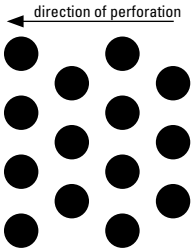
Rg 7,0 - 27
hole: ∅ 7.0 mm straight pitch
open area: 27 %
material: steel | thickness: 0.6 mm | width of perforation: 1,300 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,300 mm



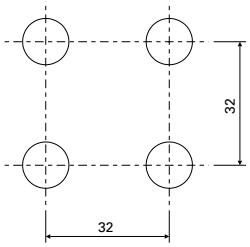


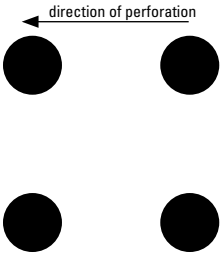
Rv 7,0 - 30
hole: ∅ 7.0 mm, diagonal pitch
open area: 30 %
material: steel | thickness: 0.6 mm | width of perforation: 1,300 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,300 mm



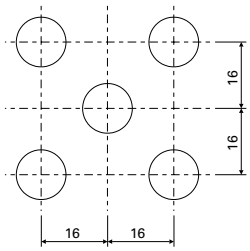


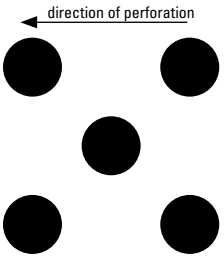
Rg 12,0 - 11
hole: ∅ 12.0 mm, straight pitch
open area: 11 %
material: steel | thickness: 0.6 mm | width of perforation: 1,290 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,290 mm



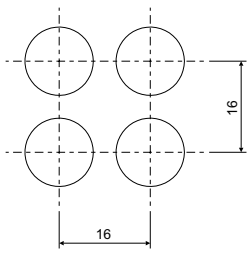


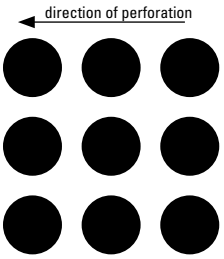
Rd 12,0 - 22
hole: ∅ 12.0 mm, diagonal pitch
open area: 22 %
material: steel | thickness: 0.6 mm | width of perforation: 1,290 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,290 mm





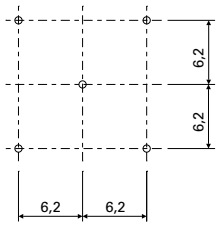
Rg 12,0 - 44
hole: ∅ 12.0 mm straight pitch
open area: 44 %
material: steel | thickness: 0.6 mm | width of perforation: 1,290 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,290 mm

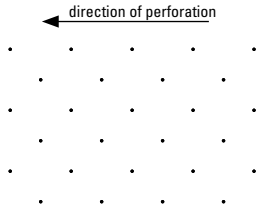




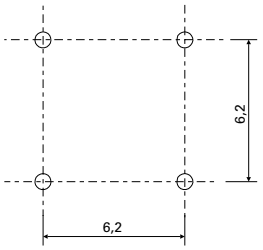
REGULARline – FURTHER PERFORATIONS

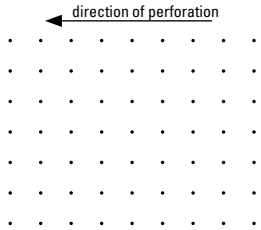
Rd 0,7 - 0,5
hole: ∅ 0.7 mm diagonal pitch
open area: 0.5 % (perforated over the edges)
material: steel | thickness: 0.6 mm | width of perforation: 860 mm
max. panel width: 625 mm



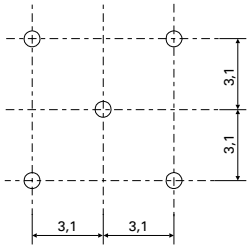


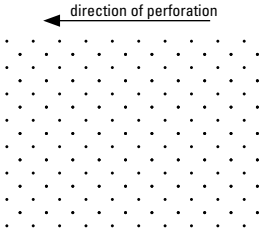
Rg 0,7 - 1
hole: ∅ 0.7 mm straight pitch
open area: 1 % (perforated over the edges)
material: steel | thickness: 0.6 mm | width of perforation: 1,340 mm
material: aluminium | thickness: 0.6 mm | width of perforation: 860 mm
material: aluminium | thickness: 0.8 mm | width of perforation: 1,340 mm
max. panel width: 625 mm



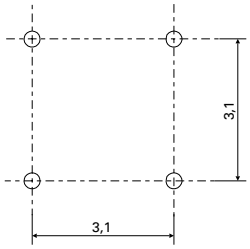


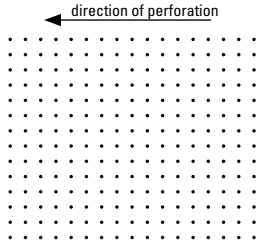
Rd 0,7 - 2
hole: ∅ 0.7 mm diagonal pitch
open area: 2 % (perforated over the edges)
material: steel | thickness: 0.6 mm | width of perforation: 1,340 mm
material: aluminium | thickness: 0.6 mm | width of perforation: 860 mm
material: aluminium | thickness: 0.8 mm | width of perforation: 1,340 mm
max. panel width: 625 mm



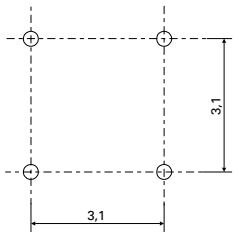


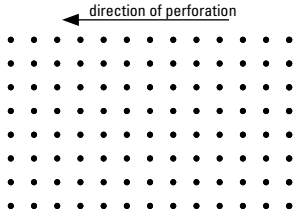
Rg 0,7 - 4
hole: ∅ 0.7 mm straight pitch
open area: 4 % (perforated over the edges)
material: steel | thickness: 0.6 mm | width of perforation: 1,340 mm
max. panel width: 625 mm



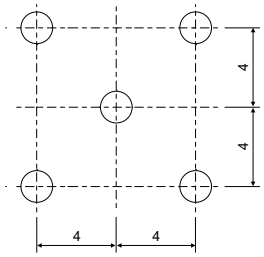


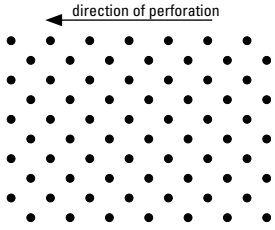
Rg 0,8 - 5
hole: ∅ 0.8 mm, straight pitch
open area: 5 % (perforated over the edges)
material: steel | thickness: 0.7 mm | width of perforation: 1,630 mm



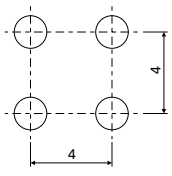


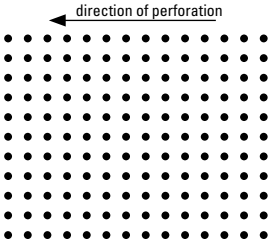
Rd 1,6 - 6
hole: ∅ 1.6 mm diagonal pitch
open area: 6 %
material: steel | thickness: 0.6 mm | width of perforation: 860 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,630 mm





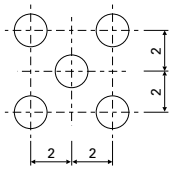
Rg 1,6 - 13
hole: ∅ 1.6 mm straight pitch
open area: 13 %
material: steel | thickness: 0.6 mm | width of perforation: 860 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,600 mm

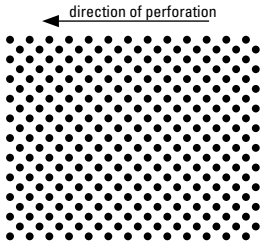




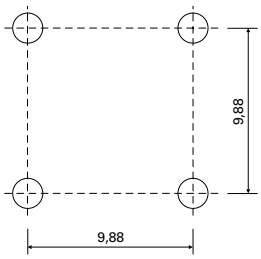
REGULARline – FURTHER PERFORATIONS

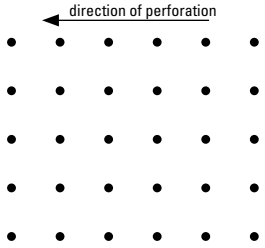
Rd 1,6 - 25
hole: ∅ 1.6 mm diagonal pitch
open area: 25 %
material: steel | thickness: 0.6 mm | width of perforation: 860 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,600 mm



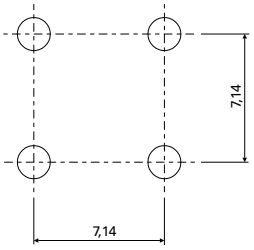


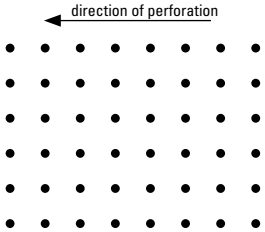
Rg 1,8 - 3
hole: ∅ 1.8 mm straight pitch
open area: 3 %
material: steel | thickness: 0.7 mm | width of perforation: 1,310 mm



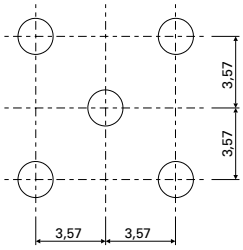


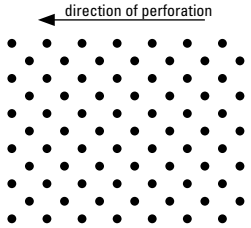
Rg 1,8 - 5
hole: ∅ 1.8 mm straight pitch
open area: 5 %
material: steel | thickness: 0.6 mm | width of perforation: 1,280 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,280 mm



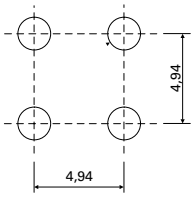


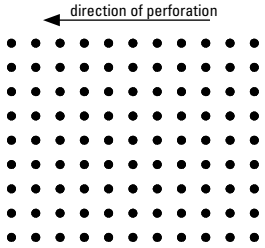
Rd 1,8 - 10
hole: ∅ 1.8 mm diagonal pitch
open area: 10 %
material: steel | thickness: 0.6 mm | width of perforation: 1,280 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,280 mm



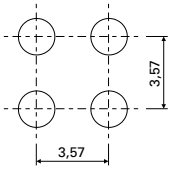


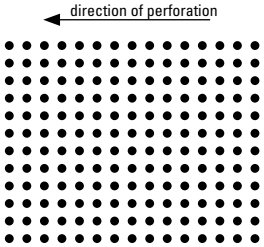
Rg 1,8 - 11
hole: ∅ 1.8 mm straight pitch
open area: 11 %
material: steel | thickness: 0.7 mm | width of perforation: 1,310 mm



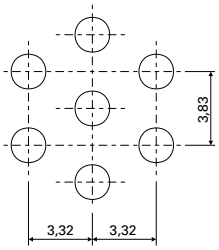


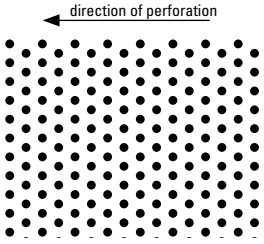
Rg 1,8 - 19
hole: ∅ 1.8 mm straight pitch
open area: 19 %
material: steel | thickness: 0.6 mm | width of perforation: 1,280 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,280 mm
material: aluminium | thickness: 1.25 mm | width of perforation: 1,615 mm





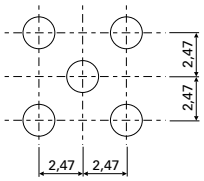
Rv 1,8 - 20
hole: ∅ 1.8 mm diagonal pitch
open area: 20 %
material: steel | thickness: 0.6 mm | width of perforation: 1,550 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,550 mm
material: aluminium | thickness: 0.6 mm | width of perforation: 880 mm
material: aluminium | thickness: 0.7 mm | width of perforation: 880 mm
material: aluminium | thickness: 0.8 mm | width of perforation: 880 mm

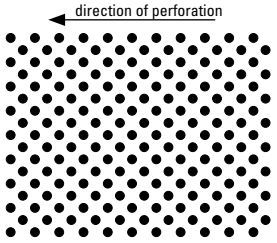




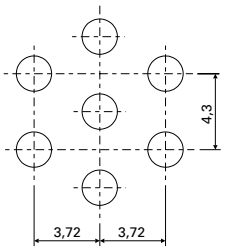
REGULARline – FURTHER PERFORATIONS

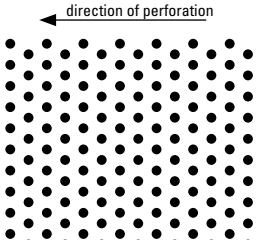
Rd 1,8 - 21
hole: ∅ 1.8 mm diagonal pitch
open area: 21 %
material: steel | thickness: 0.7 mm | width of perforation: 1,310 mm



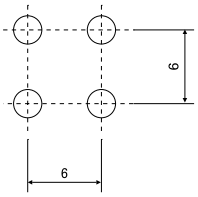


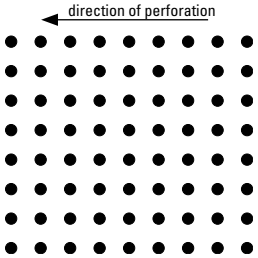
Rv 2,0 - 20
hole: ∅ 2.0 mm diagonal pitch
open area: 20 %
material: steel | thickness: 0.6 mm | width of perforation: 1,250 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,250 mm
material: aluminium | thickness: 0.8 mm | width of perforation: 1,000 mm



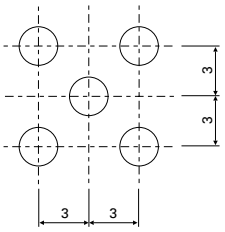


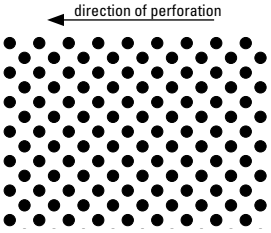
Rg 2,3 - 11
hole: ∅ 2.3 mm straight pitch
open area: 11 %
material: steel | thickness: 0.6 mm | width of perforation: 1,250 mm



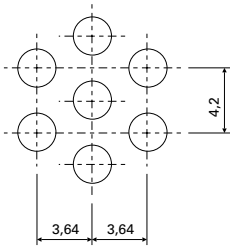


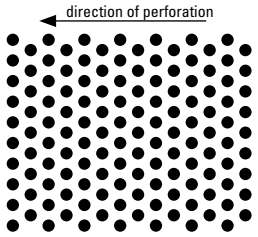
Rd 2,3 - 23
hole: ∅ 2.3 mm diagonal pitch
open area: 23 %
material: steel | thickness: 0.6 mm | width of perforation: 1,250 mm



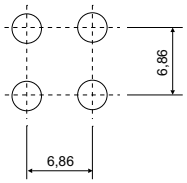


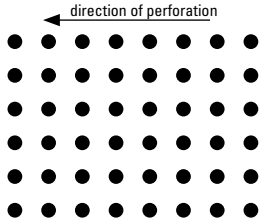
Rv 2,5 - 32
hole: ∅ 2.5 mm diagonal pitch
open area: 32 %
material: steel | thickness: 0.6 mm | width of perforation: 790 mm



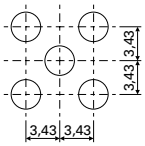


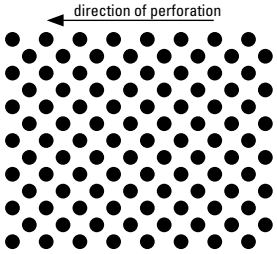
Rg 3,0 - 15
hole: ∅ 3.0 mm straight pitch
open area: 15 %
material: steel | thickness: 0.6 mm | width of perforation: 1,250 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,250 mm





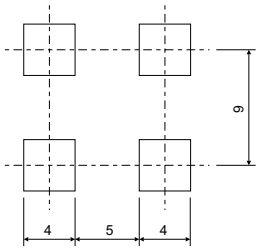
Rd 3,0 - 30
hole: ∅ 3.0 mm diagonal pitch
open area: 30 %
material: steel | thickness: 0.6 mm | width of perforation: 1,250 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,250 mm
material: aluminium | thickness: 2.0 mm | width of perforation: 1,520 mm

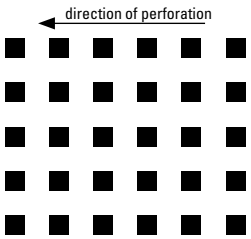




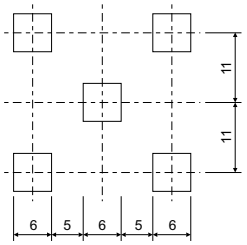
REGULARline – FURTHER PERFORATIONS

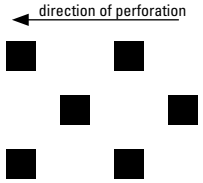
Qg 4,0 - 20
square hole: ☐ 4.0 mm straight pitch
open area: 20 %
material: steel | thickness: 0.6 mm | width of perforation: 1,600 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,600 mm



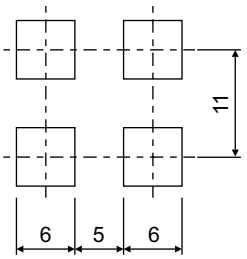


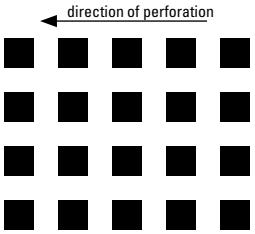
Qd 6,0 - 15
square hole: ☐ 6.0 mm diagonal pitch
open area: 15 %
material: steel | thickness: 0.6 mm | width of perforation: 1,600 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,600 mm



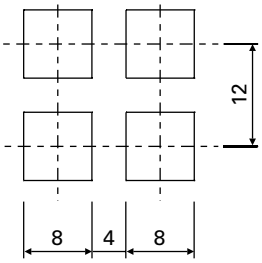


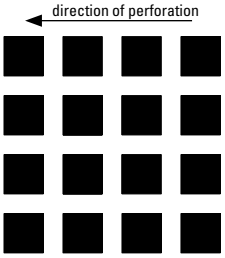
Qg 6,0 - 30
square hole: ☐ 6.0 mm straight pitch
open area: 30 %
material: steel | thickness: 0.6 mm | width of perforation: 1,600 mm
material: steel | thickness: 0.7 mm | width of perforation: 1,600 mm



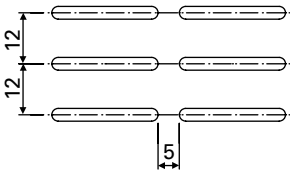


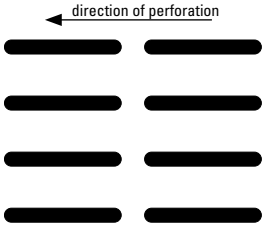
Qg 8,0 - 44
square hole: ☐ 8.0 mm straight pitch
open area: 44 %
material: steel | thickness: 0.6 mm | width of perforation: 650 mm
material: steel | thickness: 0.7 mm | width of perforation: 650 mm



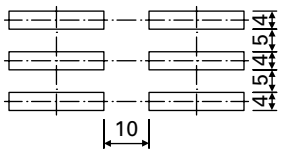


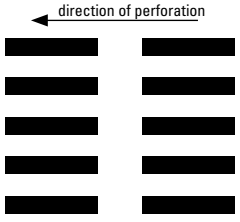
Lg 25x3
slotted round hole: 25.0 mm x 3.0 mm straight pitch
open area: 20 %
material: steel | thickness: 0.6 mm | width of perforation: 636 mm





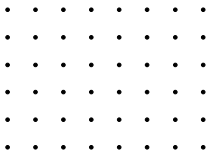
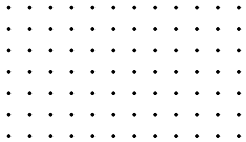
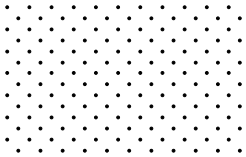
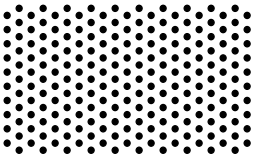
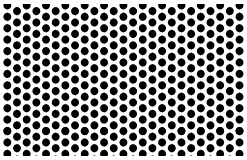
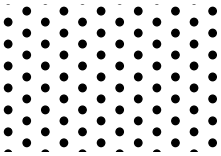
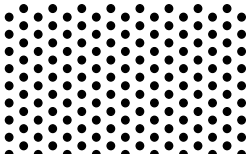
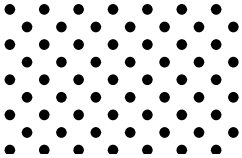
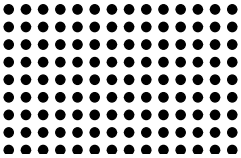
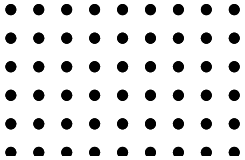
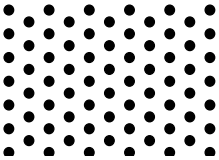
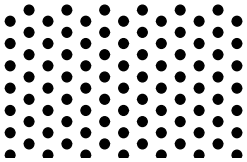
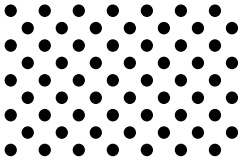
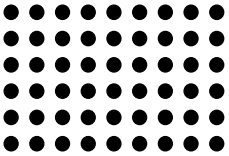
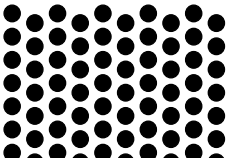
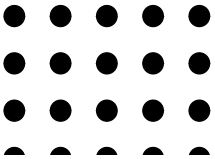
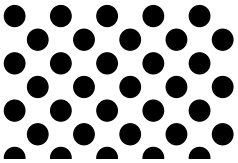
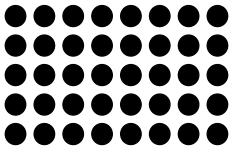
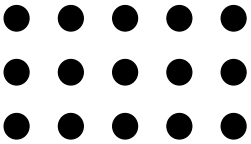
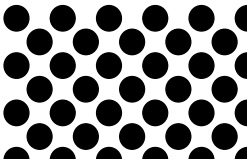
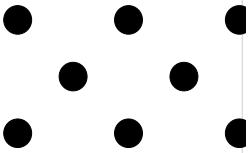
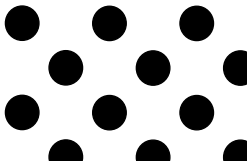
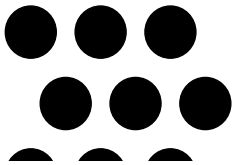
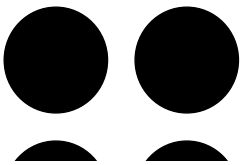
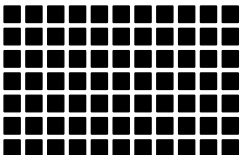
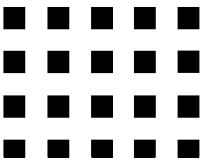
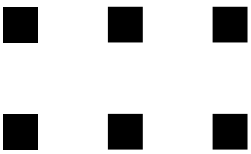
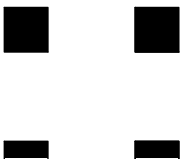
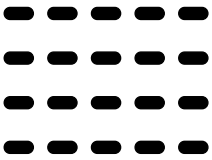
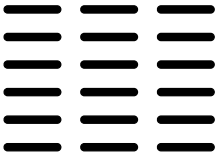
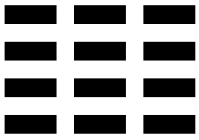
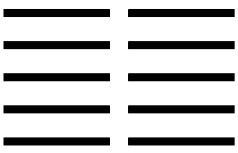
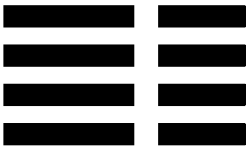
Lge 21x4
slotted square hole: 21.0 mm x 4.0 mm straight pitch
open area: 30 %
material: steel | thickness: 0.6 mm | width of perforation: 616 mm
material: steel | thickness: 0.7 mm | width of perforation: 616 mm





REGULARline – FURTHER PERFORATIONS

In addition to the previously shown perforations, a multitude of further perforations is possible after clarification.

Rg 0,8 - 1 	Rg 0,8 - 2 	Rd 0,8 - 3 	Rd 1,5 - 22 	Rv 1,8 - 43 
Rv 2,0 - 15 	Rv 2,0 - 25 	Rd 2,4 - 14 	Rg 2,4 - 28 	Rg 2,5 - 12 
Rv 2,5 - 20 	Rv 2,5 - 23 	Rd 2,8 - 20 	Rg 3,5 - 28 	Rv 4,0 - 40 
Rg 5,0 - 17 	Rd 5,0 - 35 	Rg 5,0 - 45 	Rg 6,0 - 15 	Rd 6,0 - 50 
Rd 6,4 - 10 	Rd 8,0 - 25 	Rs 12,0 - 45 	Rg 24,0 - 50 	Qg 4,0 - 64 
Qg 5,0 - 25 	Qg 8,0 - 11 	Qg 10,0 - 11 	Lg 7 x 3 	Lg 10 x 45 
Lg 14 x 2 	Lge 3,2 x 27 	Lge 11,9 x 4,2 	Lge 25,4 x 1,59 	Lge 30 x 5 
Lge 40 x 1 				

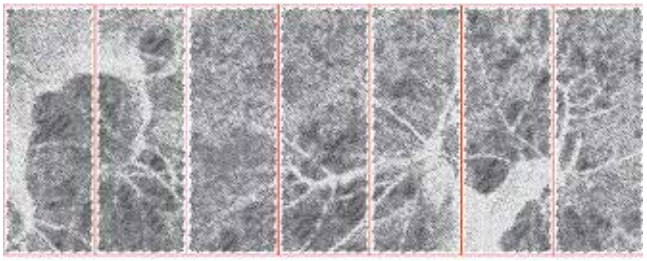
SPREADline – CUSTOMISED PERFORATIONS

SPREADline offers an excellent design freedom due to an individual arrangement of the scattered perforation with different perforation shapes and sizes. The transmission of photos and images as perforation pattern is a striking eye-catcher. The diverse perforations can specifically be used for an effective combination of luminaires and loudspeakers.

+ individual arrangement of the perforation with different perforation shapes
+ transmission of images as perforation pattern possible
+ suitable for an effective combination of luminaires and loudspeakers

EXAMPLES

Diverse motives can be created with perforations - e.g. a tree motive by means of different hole sizes and individual arrangement.



tree motive

detail

Hilton Garden Inn Wiener Neustadt, Vienna, Austria