



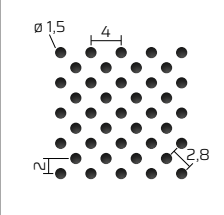
ATENA S.P.A. HAS A QUALITY  
MANAGEMENT SYSTEM CERTIFICATED  
BY RINA IN COMPLIANCE WITH  
ISO 9001

## STANDARD AND SPECIAL PERFORATIONS METAL SERIES RANGE

Atena S.p.A. has a complete range of standard and special perforations to combine with Metal Series staves.

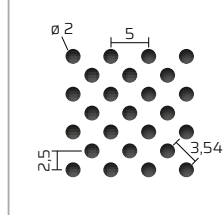
Choose the right perforation to achieve aesthetix result and acoustic performance.  
Perforated staves have a standard size smooth edge.  
On request, they can be completely perforated, or with a custom size smooth surface.

## DIAGONAL PERFORATION



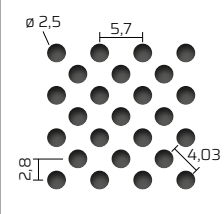
**AD 1,5/22% D**

Ø 1,5 Diagonal (45°)  
open area 22%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm



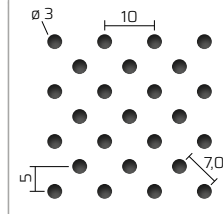
**AD 2/25% D**

Ø 2 Diagonal (45°)  
open area 25%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm



**AD 2,5/30% D**

Ø 2,5 Diagonal (45°)  
open area 30%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm

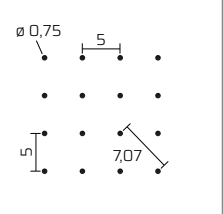


**AD 3/14% D**

Ø 3 Diagonal (45°)  
open area 14%  
aluminum/steel from 0.6 to 0.7  
max coil width 400 mm  
max perforation width 270 mm  
scale drawing 1:1,5

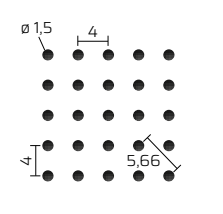
## PARALLEL AND SQUARE PERFORATION

(\*) minimum quantity 300 sqm | (\*) material thickness not exceeding 6/10



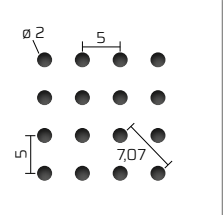
**AD 0,75/2% P (\*) (\*)**

Ø 0,75 Parallel  
open area 2%  
aluminum/steel from 0.5 to 0.6  
max coil width 400 mm  
max perforation width 300 mm



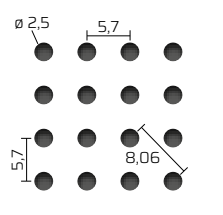
**AD 1,5/11% P**

Ø 1,5 Parallel  
open area 11%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm



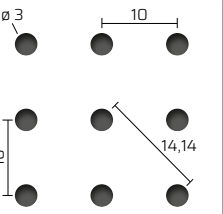
**AD 2/12,5% P**

Ø 2 Parallel  
open area 12,5%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm



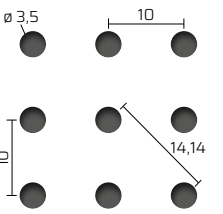
**AD 2,5/15% P**

Ø 2,5 Parallel  
open area 15%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm



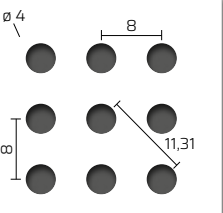
**AD 3/7% P**

Ø 3 Parallel  
open area 7%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 270 mm



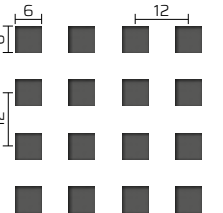
**AD 3,5/9,5% P**

Ø 2,5 Parallel  
open area 15%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm



**AD 4/19,5% P**

Ø 3 Parallel  
open area 7,5%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm




**AD Q6/25% P**

Q 6x6 Parallel  
open area 25%  
aluminum/steel from 0.5 to 0.7  
max coil width 400 mm  
max perforation width 300 mm  
scale drawing 1:1,7

## TISSUE PERFORATION

Atena tissue range: continuous perforation only




**TWEED 1,5/11% D**

Ø 1,5 Diagonal (45°)  
open area 11%  
aluminum/steel from 0.5 to 0.7  
max coil width 1300 mm  
max perforation width 1300 mm




**TWEED LARGE 1,5/4% D**

Ø 1,5 Diagonal (45°)  
open area 4%  
aluminum/steel from 0.5 to 0.7  
max coil width 1300 mm  
max perforation width 1300 mm




**TWEED FINE 1,5/7% D**

Ø 1,5 Diagonal (45°)  
open area 7%  
alluminio/acciaio da 0.5 a 0.7  
max coil width 1300 mm  
max perforation width 1300 mm




**TWEED UNIQUE 1,5/15% D**

Ø 1,5 Diagonal (45°)  
open area 15%  
alluminio/acciaio da 0.5 a 0.7  
max coil width 1300 mm  
max perforation width 1300 mm



**PIQUET 1,5/13,5% D**

Ø 1,5 Diagonal (45°)  
open area 13,5%  
alluminio/acciaio da 0.5 a 0.7  
max coil width 1300 mm  
max perforation width 1300 mm



**STRIP 1,5/7% D**

Ø 1,5 Diagonal (45°)  
open area 7%  
alluminio/acciaio da 0.5 a 0.7  
max coil width 1300 mm  
max perforation width 1300 mm