



Graepel - Lamiera forate

Perforazioni standard e assortimento di magazzino

Graepel - Perforated sheets

Standard patterns and stock list

Graepel - Lochbleche

Standardlochungen und Lagerliste

Graepel - Tôles perforées

Perforations standards et liste de stock

Formati / Sizes / Formate / Formats:

1000x2000 | 1250x2500 | 1500x3000 mm

Materiali / Material / Material / Matières:

EN - DC01 - DD11 - S235

Aisi 304 = W.Nr. 1.4301

Aisi 316 Ti = W.Nr. 1.4571

Alluminio, aluminium, Aluminium, aluminium

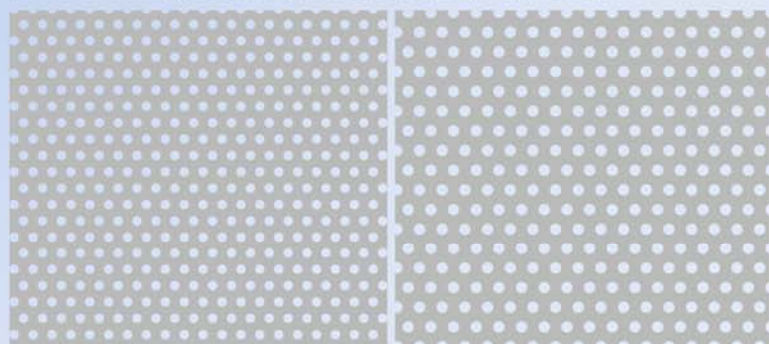
Zincato, galvanized, verzinkt, galvanisé

Graepel Italiana S.p.A.

46018 SABBIONETA (MN) - Via Fondi, 13 - ITALY

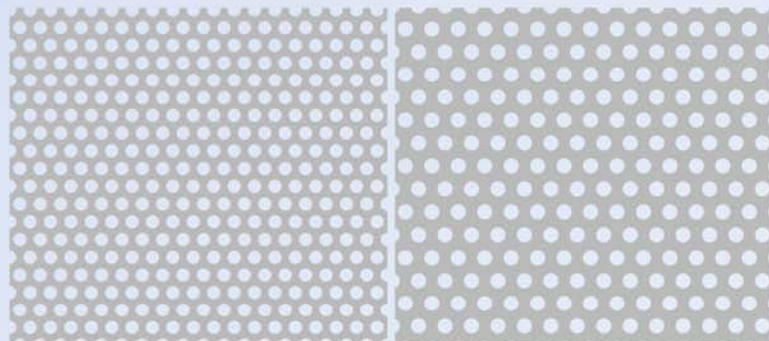
Tel.: ++39 0375 220101 - Fax: ++39 0375 220262 - www.graepel.com - info@graepel.it

Fori tondi, round holes, Rundlochungen, trous ronds a 60°



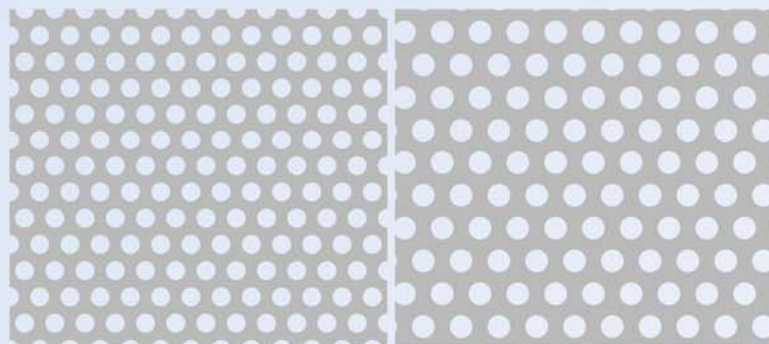
d. 1,25 p. 2,5 v/p 23%

d. 1,5 p. 3 v/p 23%



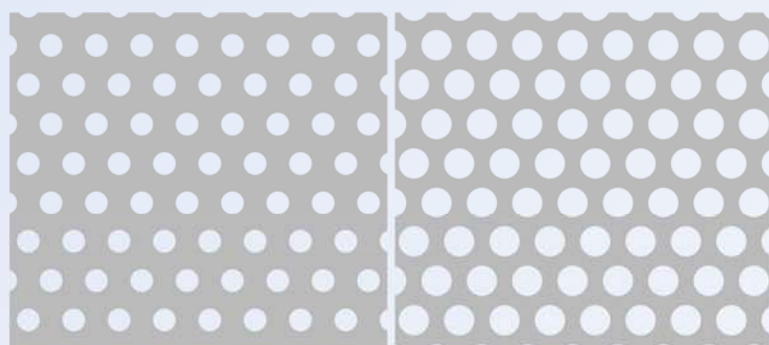
d. 1,75 p. 2,7 v/p 37%

d. 2 p. 3,5 v/p 30%



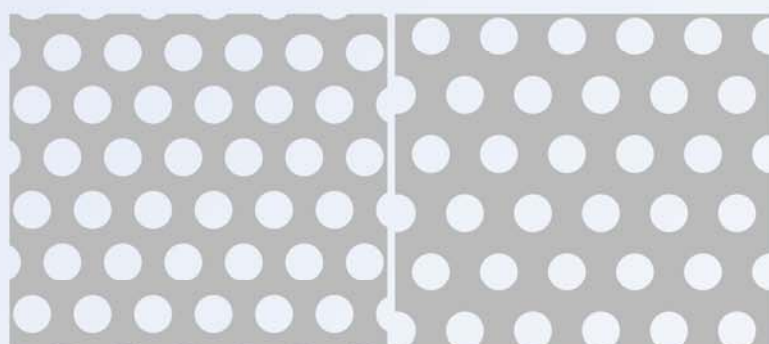
d. 2,5 p. 4 v/p 35%

d. 3 p. 5 v/p 33%



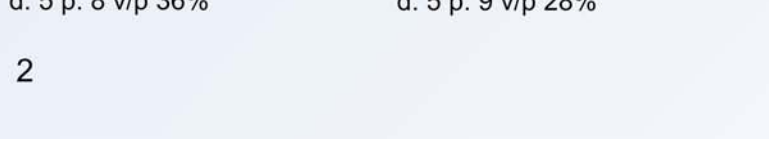
d. 3 p. 6 v/p 23%

d. 4 p. 6 v/p 40%



d. 4 p. 7 v/p 30%

d. 4 p. 8 v/p 23%



d. 5 p. 8 v/p 36%

d. 5 p. 9 v/p 28%

d. 6 p. 8 v/p 51%

d. 6 p. 9 v/p 40%

d	p	v/p	largh.	spessore							
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0	3,0	4,0	5,0
1	2	23	1.300	x	x	x					
1,25	2,5	23	1.300	•	•	x					
1,5	2,5	33	1.300	x	x	x					
1,5	3	23	1.300	•	•	•	x				
1,5	3,5	17	1.500		•	•	•				
1,75	2,7	37	1.300	•	•	•					
1,75	3	31	1.300			•	x				
2	3	40	1.300	•	•	•					
2	3,5	30	1.500	•	x	x	•				
2	4	23	1.500	•	•	•	x	x			
2,5	4	35	1.500	•	x	x	x	x			
3	4	51	1.500	•	•	x	x				
3	5	33	1.500	•	x	x	x	x			
3	5,5	27	1.300					•			
3	6	23	1.500	•	•	•	•	•	x		
3,5	5	45	1.300	•	•	x	x	x			
3,5	6	31	1.300			•	•	•	x		
4	5	58	1.300	•	•	•					
4	6	40	1.500	•	x	x	x	x			
4	7	30	2.000	•	•	•	•	•	x	•	
4	8	23	2.000		•	•	•	•	•	x	
4	10	15	1.500		•	•					
4,7	6,4	49	1.300				•	•			
5	7	47	1.500	•	•	•	•	•			
5	7,2	44	1.300	•	•	•	•	•			
5	8	36	1.500	•	x	x	x	x	x		
5	8,08	35	2.000				x	x	x		
5	9	28	2.000					•	•	•	•
5	10	23	2.000	•	•	•	•	•	•	x	x
6	7,2	63	1.300	•	•	•	•				
6	8	51	1.300	•	•	•	•	•			
6	9	40	1.500	•	x	x	x	x	•		

d = apertura foro

p = passo

v/p = vuoto su pieno

• = standard a richiesta

x = standard dal pronto (salvo venduto)

largh. max. = larghezza massima possibile della lamiera

see page 5

siehe S. 5

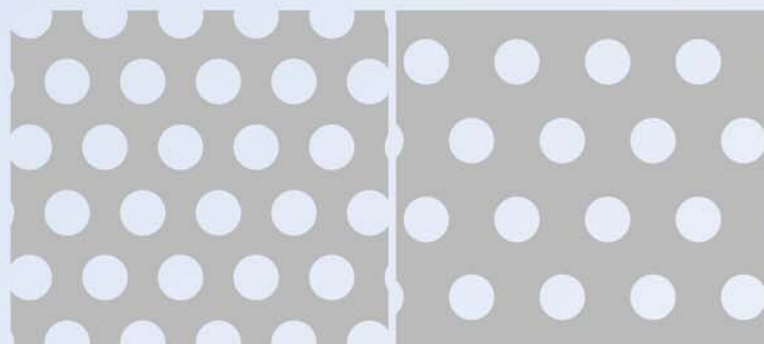
voir page 5

Fori tondi, round holes, Rundlochungen, trous ronds a 60°

d	p	v/p	largh.	spessore											
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0	3,0	4,0	5,0	6,0	8,0	10,0	
6	9,5	36	1.300	●	●	●	●	●	●						
6	10	33	2.000		●	●	●	●	x	x	●				
6	11	27	2.000						●	●	●				
6	12	23	2.000							●	x	x			
6,5	8	60	1.300	●	●	●									
6,5	9	48	1.500												
6,5	11	32	1.300				●	●	●						
7	8,2	66	1.300	●	●	x									
7	9	55	1.300	●	●	●	●	●	●						
7	10	45	1.500	●	●	●	x	x	●						
7	12	31	1.300				●	●	●						
8	10	58	1.500		●	x	●	●							
8	12	40	2.000	●	x	x	x	x	x	●	●				
8	13	34	2.000					●	●	x	x	●			
8	14	30	2.000			●	●		●		●	●			
8	15	26	2.000						●	●	●	x	x		
8	22	12	2.000					●	●	●					
8	27	9	1.500				●	●	●						
9	13	44	1.500		●	●	x	●							
9	15	33	2.000				●	●	●	●	●	●			
10	12	63	1.500		●	●	●	●							
10	13	54	2.000						●	●					
10	14	46	1.500	●	●	●	●	●							
10	15	40	2.000		x	x	x	x	x	x	x	●	●	●	
10	18	28	2.000					●	●	●	●	x	x	●	
10	20	23	2.000								●	●		x	
12	15	58	1.500	●	●	●	●	●	●						
12	16	51	1.300		●	●	●	●	●						
12	17	45	2.000				●	●	●	●	●	●			
12	18	40	2.000	●	●	x	x	x	x	x	x				
12	20	33	2.000					●	●	●	●	x	x	x	

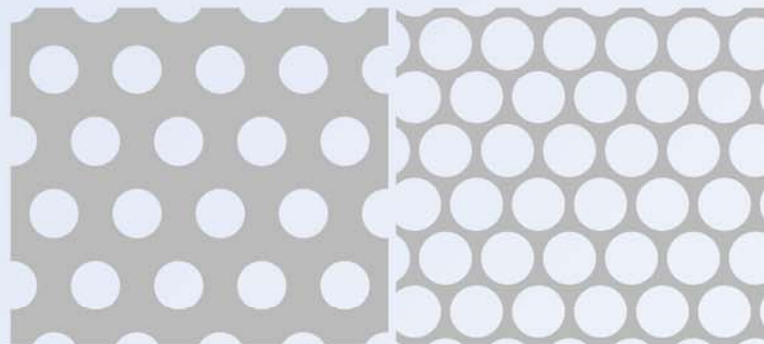
d = apertura foro p = passo v/p = vuoto su pieno
 • = standard a richiesta x = standard dal pronto (salvo venduto)
 largh. max. = larghezza massima possibile della lamiera

see page 5
 siehe S. 5
 voir page 5



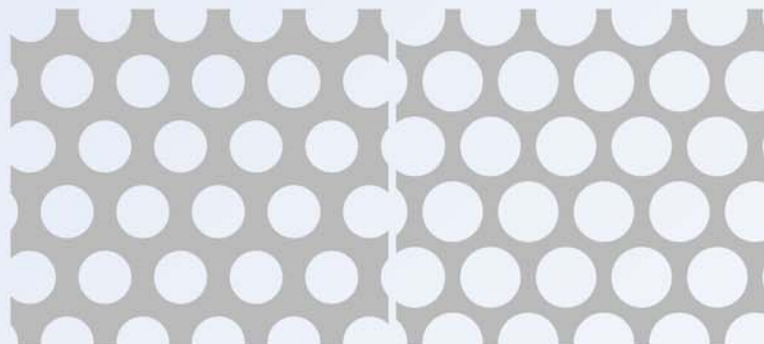
d. 6 p. 10 v/p 33%

d. 6 p. 12 v/p 23%



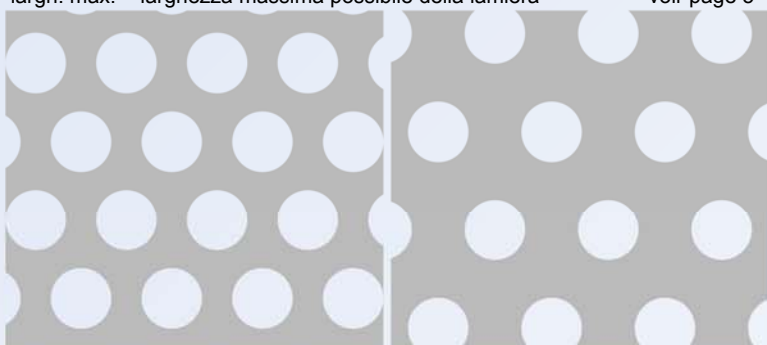
d. 6,5 p. 11 v/p 32%

d. 7 p. 8,2 v/p 66%



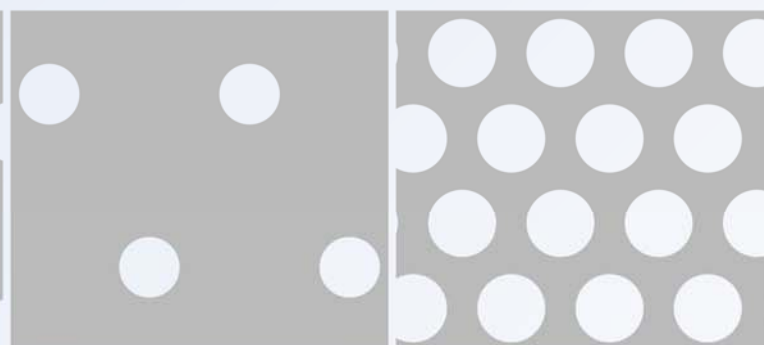
d. 7 p. 10 v/p 45%

d. 8 p. 10 v/p 58%



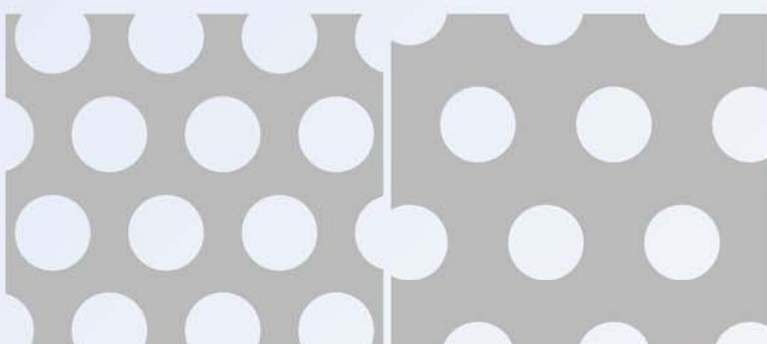
d. 8 p. 12 v/p 40%

d. 8 p. 15 v/p 26%



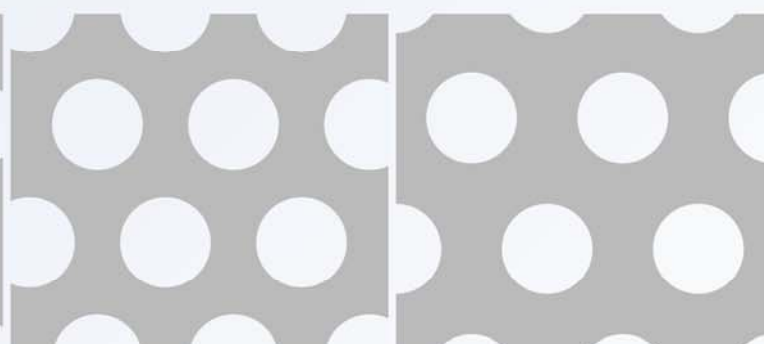
d. 8 p. 26,5 v/p 9%

d. 9 p. 13 v/p 44%



d. 10 p. 15 v/p 40%

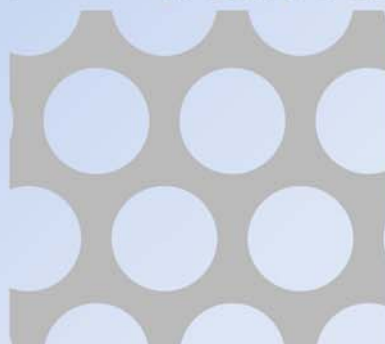
d. 10 p. 18 v/p 28%



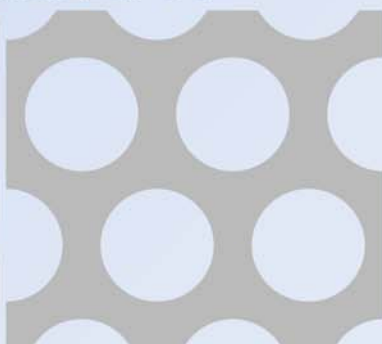
d. 12 p. 18 v/p 40%

d. 12 p. 20 v/p 33%

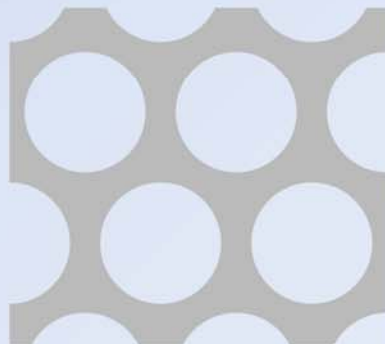
Fori tondi, round holes, Rundlochungen, trous ronds a 60°



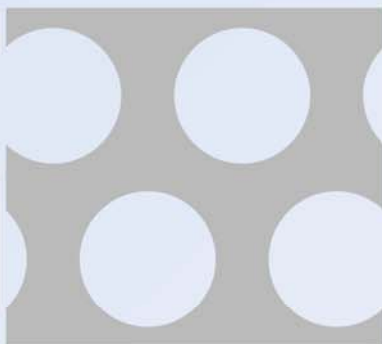
d. 14 p. 18 v/p 55%



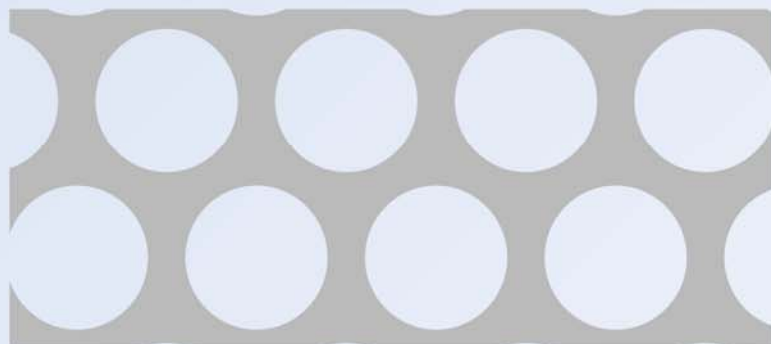
d. 15 p. 20 v/p 51%



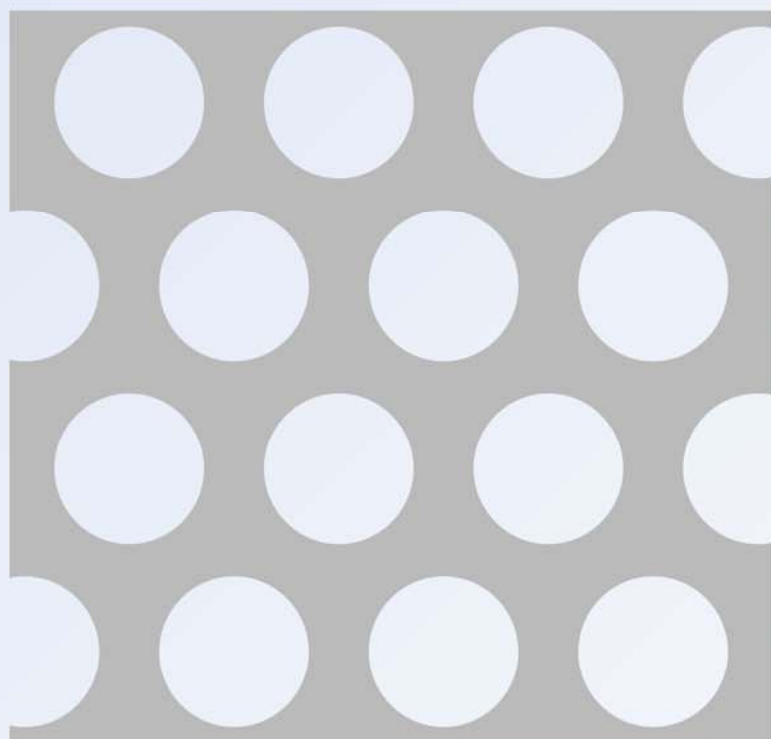
d. 16 p. 20 v/p 58%



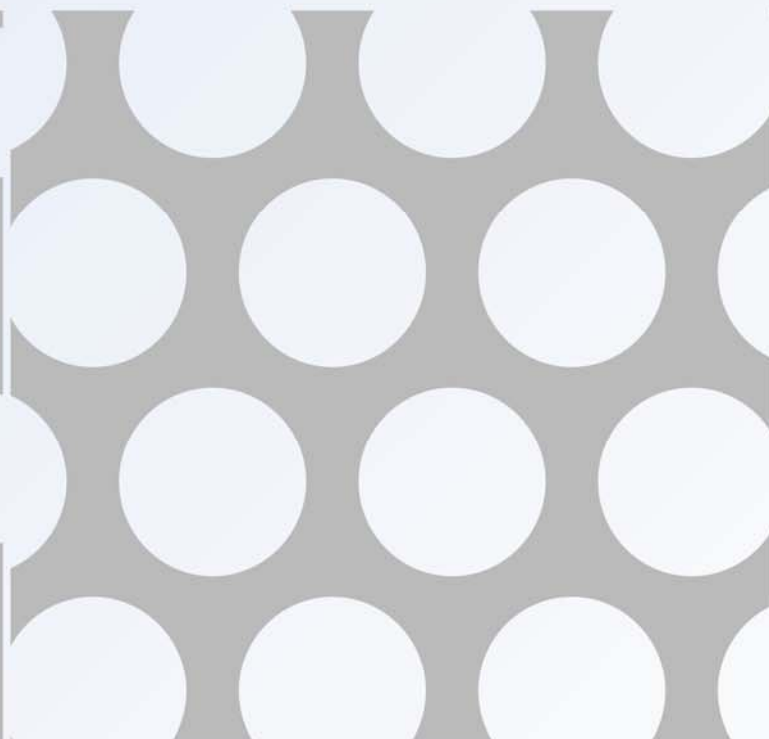
d. 18 p. 25 v/p 47%



d. 19 p. 24 v/p 57%



d. 20 p. 28 v/p 46%



d. 25 p. 32 v/p 55%

d	p	v/p	largh.	spessore												
				max	0,8	1,0	1,5	2,0	3,0	4,0	5,0	6,0	8,0	10,0	12,0	15,0
12	25	21	2.000						•	•	•	•	•	•	•	
13	20	38	1.500					•	•							
14	16	70	1.500	•	•	•	•									
14	18	55	2.000	•	x	•	x	x	•	•						
15	20	51	2.000	•	x	x	x	x	x	x	•			•		
15	25	33	2.000					•	•	•	•	•	•	•		
16	18	72	1.500				•	•								
16	20	58	1.500	•	•	•	•	x								
16	24	40	2.000									•	•			
18	21	66	1.500	•	•	•	•									
18	25	47	2.000		•	x	x	x	•	•	•					
19	24	57	2.000					•	•							
20	25	58	2.000				•	•	•	•	•	•				
20	28	46	2.000	•	•	x	x	x	•	•	•	•				
20	30	40	2.000		•	•	•	•	x	x	•	x	•			
20	32	35	1.500				•	•								
20	34	32	2.000						•				•	•	•	
23	34	42	2.000									•	•			
25	32	55	1.500	•	•	x	x	x								
25	34	49	2.000					•	•	x	x	•	•	•		
25	38	40	2.000											•	•	•
25	43	30	1.500				•	•								
30	36	63	2.000		•	•	•	•	•	•	•					

d = apertura foro

p = passo

v/p = vuoto su pieno

• = standard a richiesta

x = standard dal pronto (salvo venduto)

largh. max. = larghezza massima possibile della lamiera

see page 5

siehe S. 5

voir page 5

Fori tondi, round holes, Rundlochungen, trous ronds a 60°

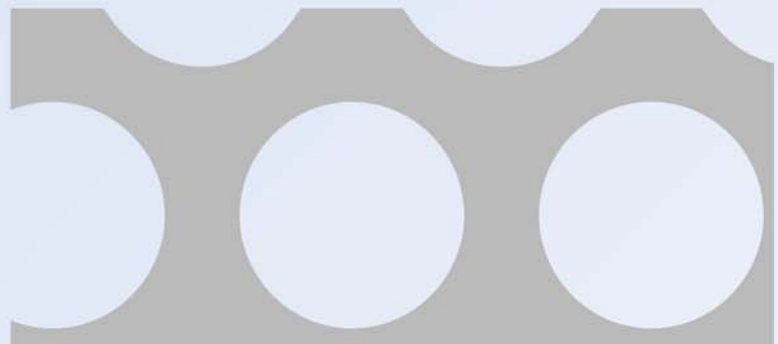
d	p	v/p	largh.	spessore											
mm	mm	%	max	1,0	1,5	2,0	3,0	4,0	5,0	6,0	8,0	10,0	12,0	15,0	
30	36	63	2.000	•	•	•	•	•	•	•					
30	40	51	2.000		•	x	x	•	•	•	•	•			
35	41	66	2.000				•	•	•						
40	50	58	2.000			•	•	•	•	•	•	•			
40	56	47	2.000	•	•	•	•	x	•	•	•	•		•	
45	56	59	2.000			•	•	•	•						
50	64	55	2.000			•	•	x	•	•	•	•	•		
60	80	51	2.000			•	•	•	•	•	•			•	
70	90	55	2.000				•	•	•	•				•	
80	n	y	2.000				•	•	•	•	•	•			
100	n	y	2.000				•	•							
120	n	y	2.000					•	•		•	•			

d = apertura foro
 p = passo
 v/p = vuoto su pieno
 • = standard a richiesta
 x = standard dal pronto (salvo venduto)
 largh. max = larghezza massima possibile della lamiera

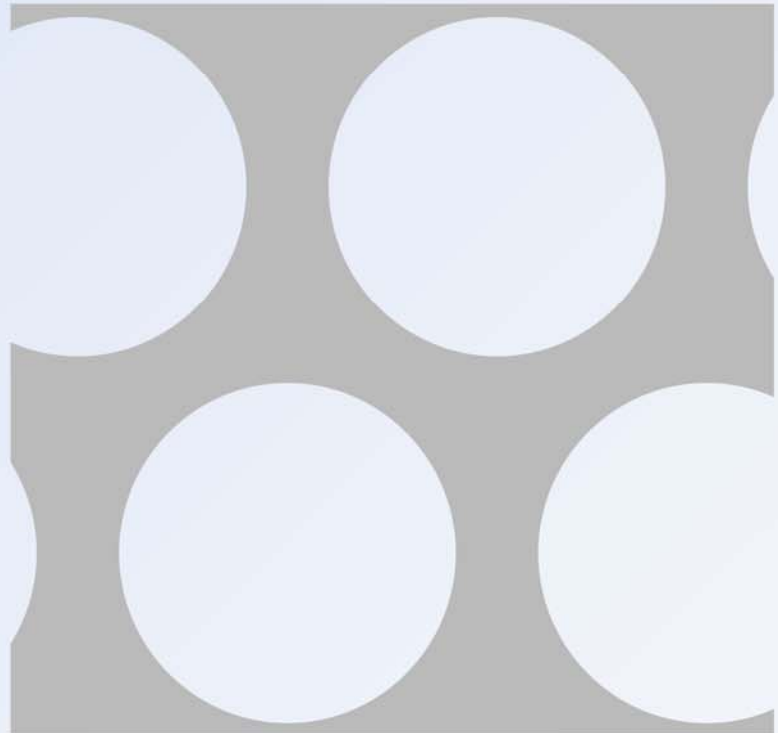
d = mesure du trous
 p = entraxe
 v/p = passage
 • = perforation standard
 x = en stock
 largh. max = largeur max. de la tôle

d = opening of hole
 p = pitch
 v/p = open surface
 • = standard perforation
 x = stockposition
 largh. max = biggest possible sheet width

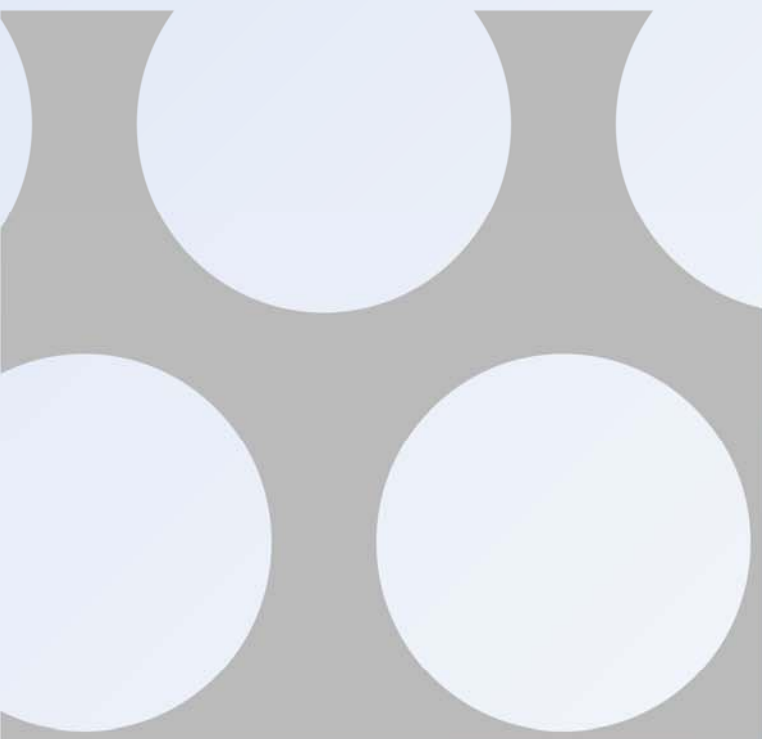
d = Lochweite
 p = Teilung
 v/p = freier Durchlass
 • = Standard auf Bestellung
 x = Lagerposition
 largh. max = größtmögliche Blechbreite



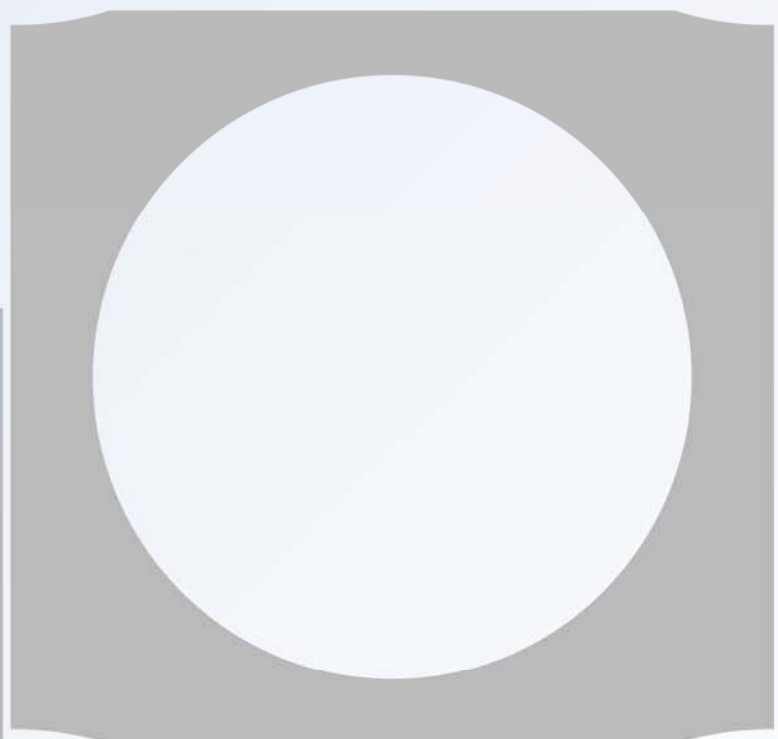
d. 30 p. 40 v/p 51%



d. 45 p. 56 v/p 59%



d. 50 p. 64 v/p 55%

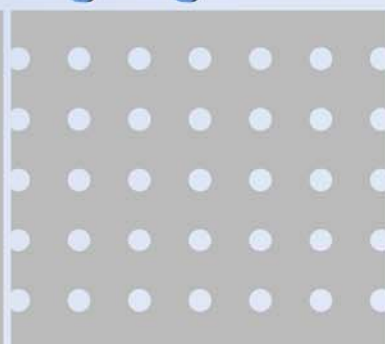


d. 80 p. n v/p y%

Fori tondi pari, round holes straight centres, Rundlocherungen gerade Reihen, trous ronds en lignes



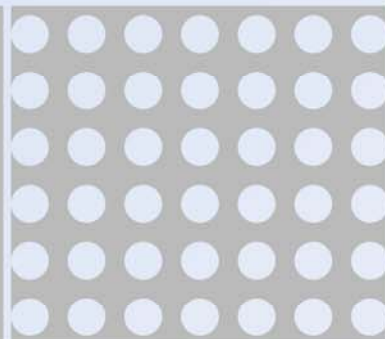
d. 2,5 p. 5,5 v/p 16%



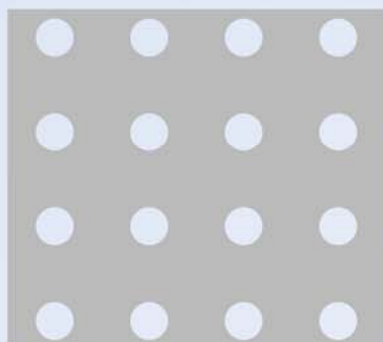
d. 3 p. 8 v/p 11%



d. 3 p. 16 v/p 3%



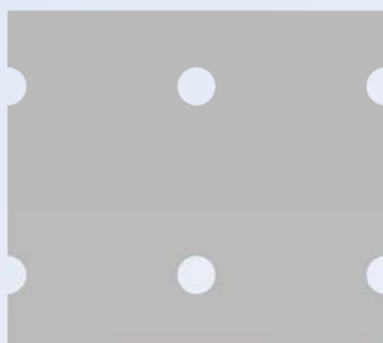
d. 5 p. 7,5 v/p 35%



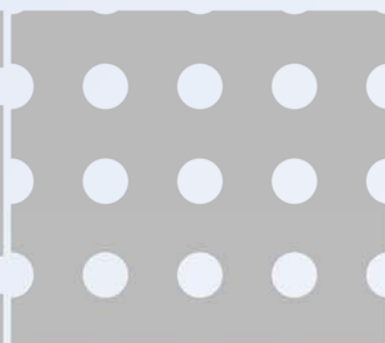
d. 5 p. 12,5 v/p 13%



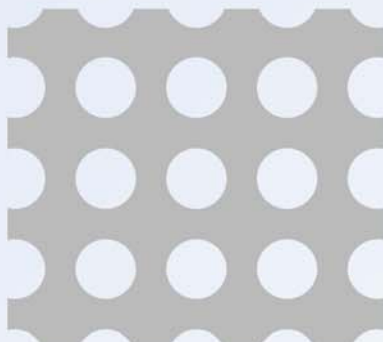
d. 5 p. 15 v/p 9%



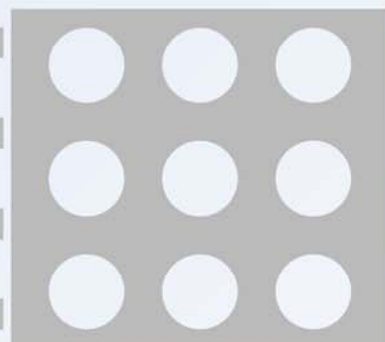
d. 5 p. 25 v/p 3%



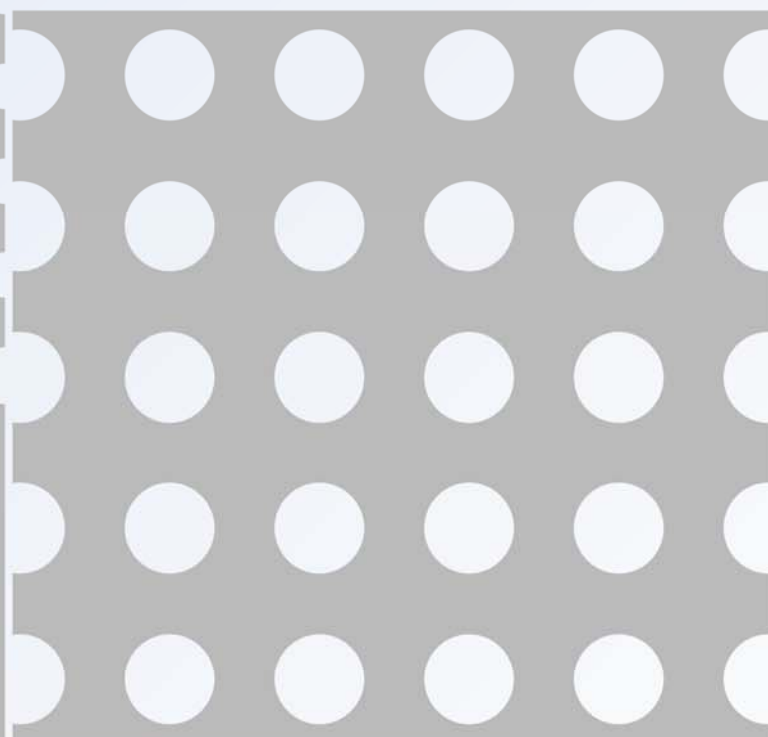
d. 6 p. 12,5 v/p 18%



d. 8 p. 12 v/p 35%



d. 10 p. 15 v/p 35%



d. 12 p. 20 v/p 28%

d	p	v/p	largh.	spessore						
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0	3,0	4,0
2,5	5,5	16	1.500	•	•	•	•			
3	8	11	2.000				•	•	•	
3	16	3	2.000				•	•	•	
4,5	15	7	1.500		•	•	•	•		
5	7,5	35	1.500				•	•		
5	10	20	2.000				•	•		
5	13	13	1.300	•	•	x	x	•		
5	14	10	1.500	•	•	•	•	•	•	
5	15	9	1.500				•	•		
5	25	3	1.300	•	•	x	x	•		
6	13	18	1.300	•	•	•	•			
6	25	5	1.300	•	•	•	•			
8	12	35	1.300		•	•				
10	15	35	2.000	•	•	•	•	•	•	
12	20	28	1.300				•	•		
15	50	7	1.300		•	•		•	•	•

d = apertura foro

p = passo

v/p = vuoto su pieno

• = standard a richiesta

x = standard dal pronto (salvo venduto)

largh. max = larghezza massima possibile della lamiera

see page 5

siehe S. 5

voir page 5

Fori tondi pari, round holes straight centres, Rundlochanungen gerade Reihen, trous ronds en lignes



d	p	v/p	largh.	spessore						
mm	mm	%	max	0,8	1,0	1,5	2,0	3,0	4,0	
20	40	20	1.300			●	●	●		
21	27	48	2.000			●	●			
25	75	9	1.500			●	●			
30	68	15	1.500			●	●			
40	75	22	2.000	●	●					
50	70	40	1.500				●	●		
60	120	20	2.000					●	●	

d = apertura foro p = passo v/p = vuoto su pieno

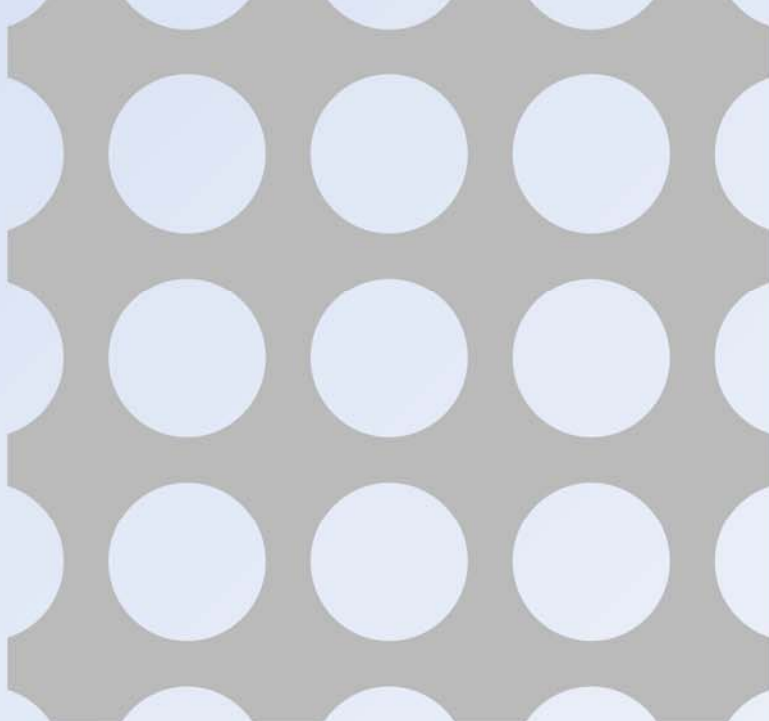
• = standard a richiesta x = standard dal pronto (salvo venduto)

largh. max = larghezza massima possibile della lamiera

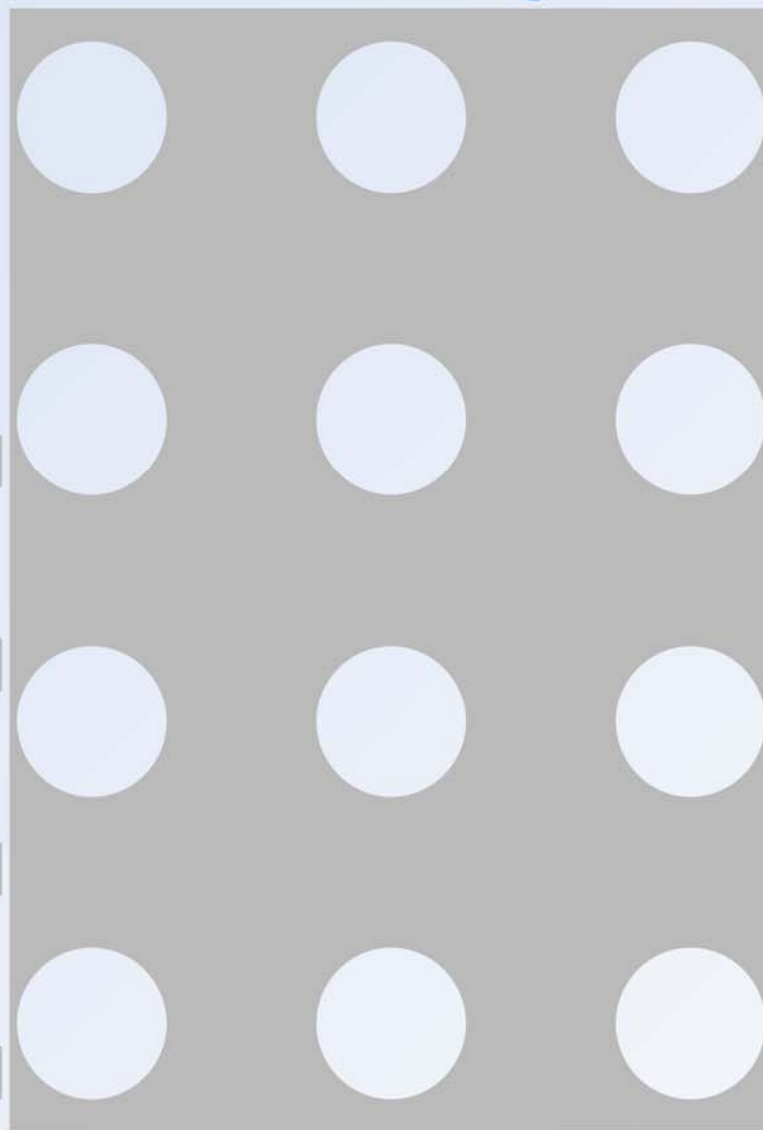
see page 5

siehe S. 5

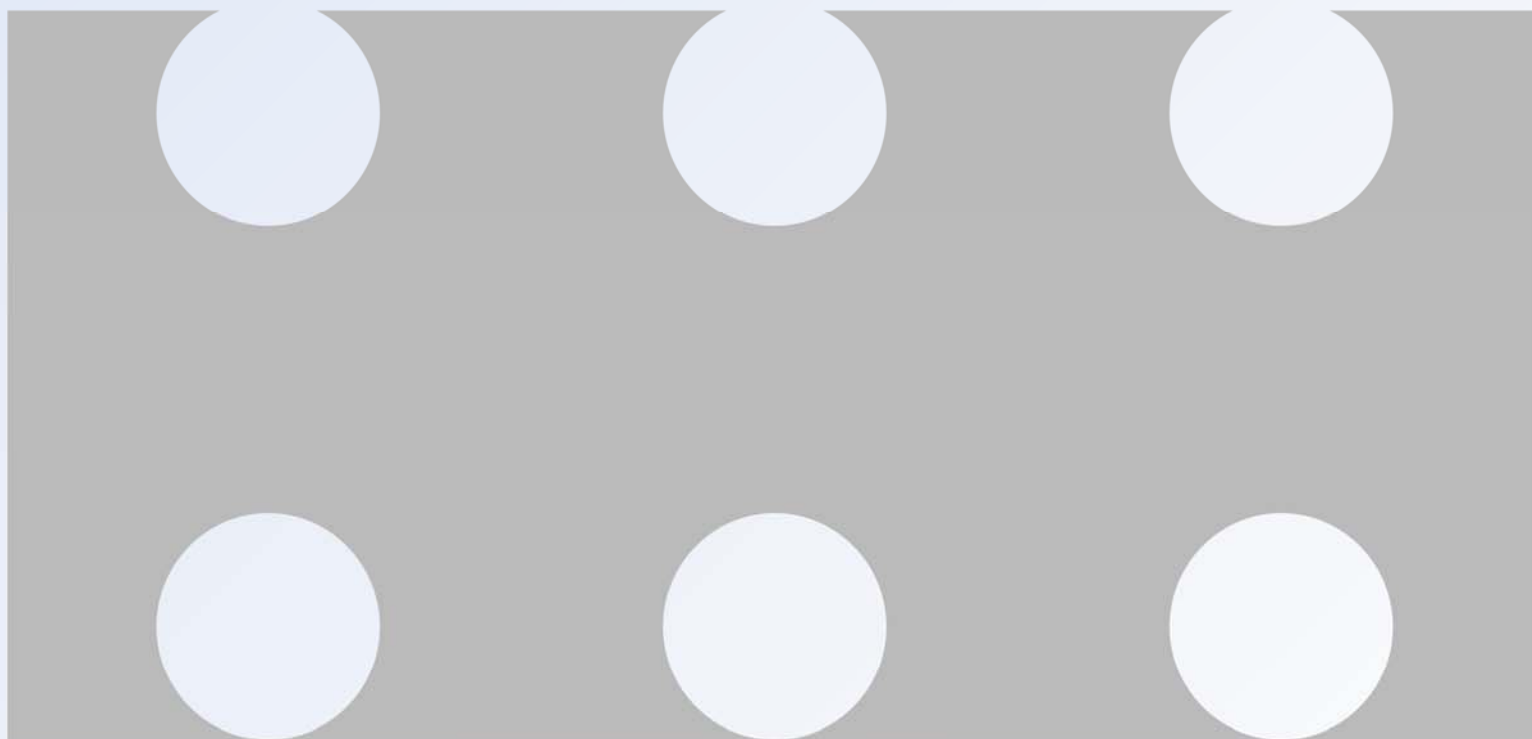
voir page 5



d. 21 p. 27 v/p 48%

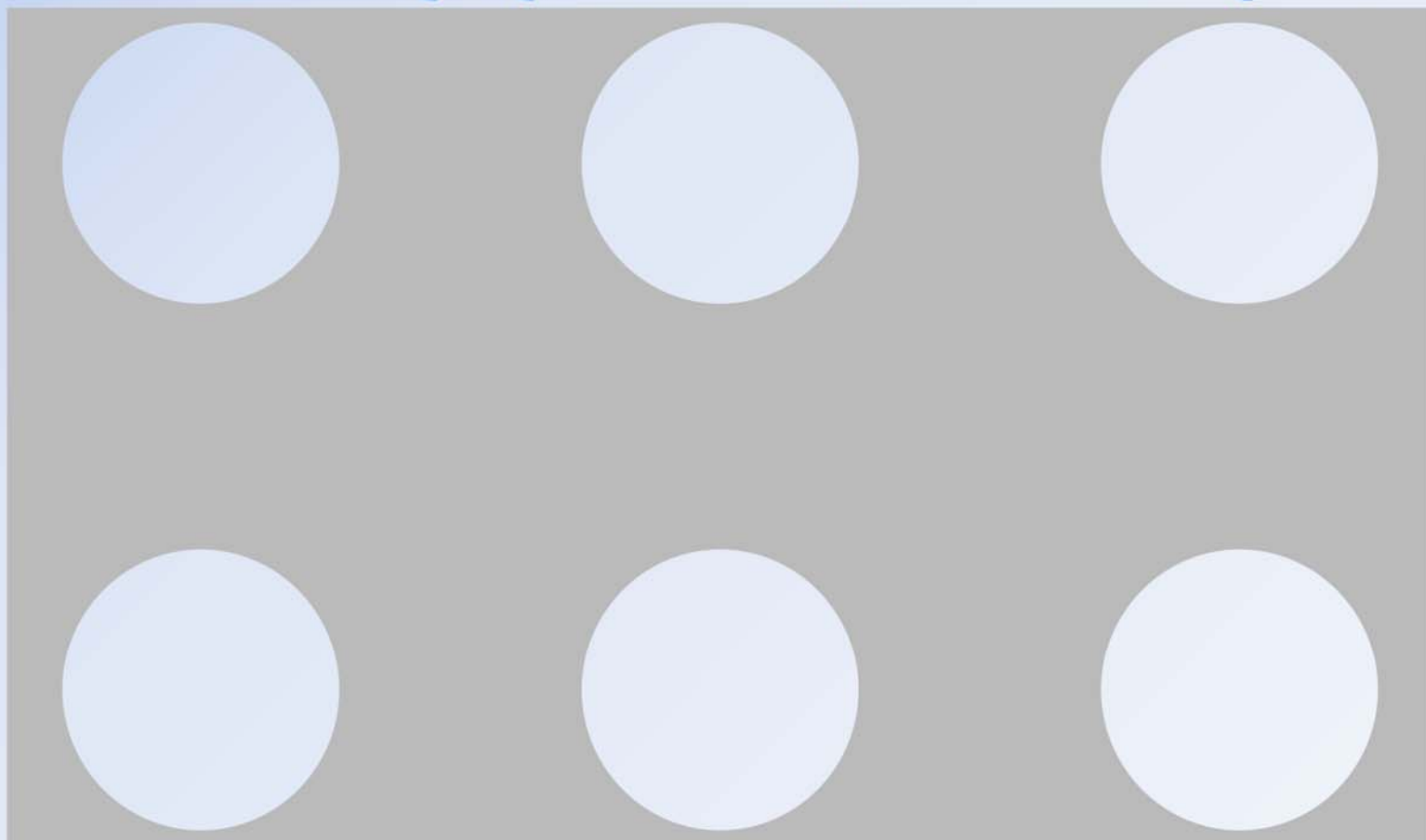


d. 20 p. 40 v/p 20%

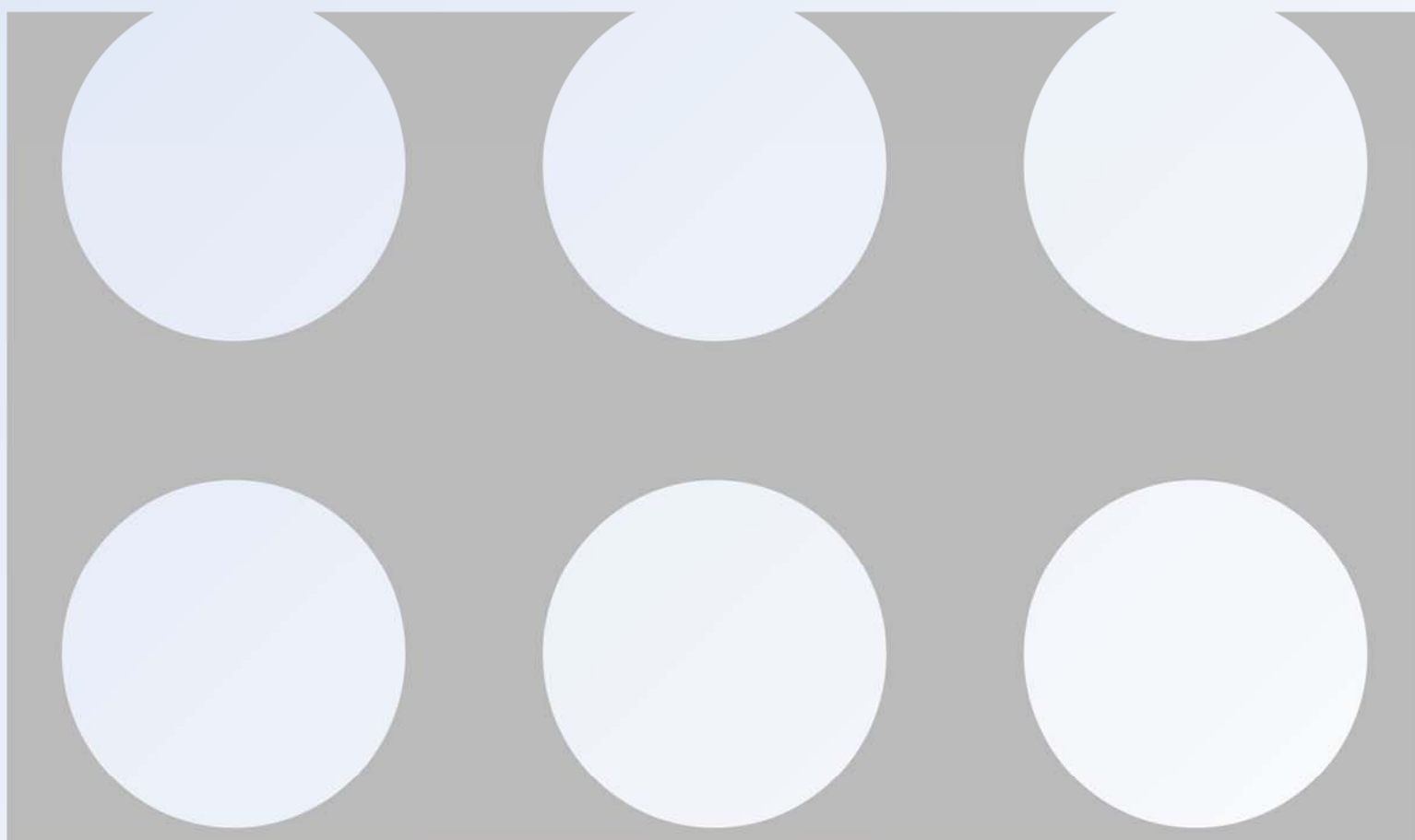


d. 30 p. 68 v/p 15%

**Fori tondi pari, round holes straight centres,
Rundlochungen gerade Reihen, trous ronds en lignes**



d. 40 p. 75 v/p 22%



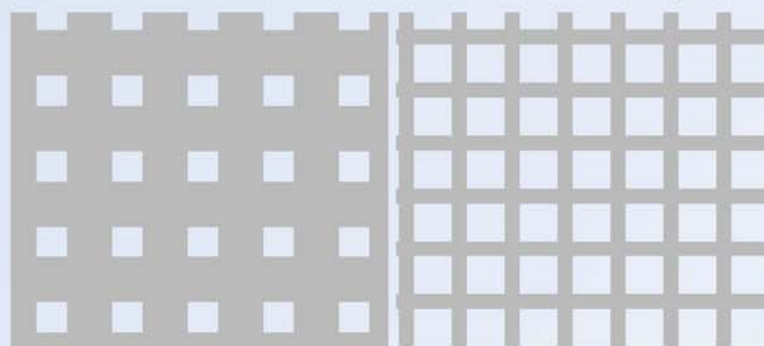
d. 50 p. 70 v/p 40%

Fori quadri, square holes, Quadratlochungen, trous carrés

a	p	v/p	largh.	spessore									
				max	0,5	0,8	1,0	1,5	2,0	3,0	4,0	5,0	6,0
4	10	16	1.300	•	•								
5	7	51	1.300	•	•	x		x					
5	7,5	45	1.500	•	•	•	•						
5	8	39	1.500		•	•	•	•					
5,5	7,5/15	27	2.000	•									
6	10	36	2.000	•	•	•	•	•	•	•			
6	15	16	1.300	•	•								
6	15/30	8	1.300	•	•								
7	10	49	1.300		•	•		•					
7	12	34	1.300		•	•	•						
8	10	64	1.300	•	•	x		x	•				
8	12	44	2.000	•	•	•	•	•	•	•	•		
9	19	23	1.500					•	•				
10	12	69	1.300	•	•	•	•	•					
10	12,5	64	1.300	•	•	x		x	•				
10	14	51	1.500	•	•	•	•	•					
10	15	44	2.000		•	x		x	x				
10	20	25	1.300	•	•	•	•	•					
12	17	50	1.300			•	•	•					
12	18	45	1.500					•	•				
15	20	56	2.000					•	•	•	•	•	
20	23	75	1.500					•	•				
20	24	70	2.000					•	•	•			
20	25	64	2.000		•	•	•	•	•				
20	27,5	53	2.000										•
20	33	37	2.000										•
20	40	25	2.000					•	•				
25	31,6	63	2.000		•	•		•	•				
25	40	39	2.000					•	•				
28	38	55	2.000						•	•	•		
30	50	36	2.000					•	•	•			
40	52	59	2.000					•	•	•			
40	100	16	2.000								•	•	
45	55	67	2.000					•	•	•			
55	65	72	2.000						•	•			

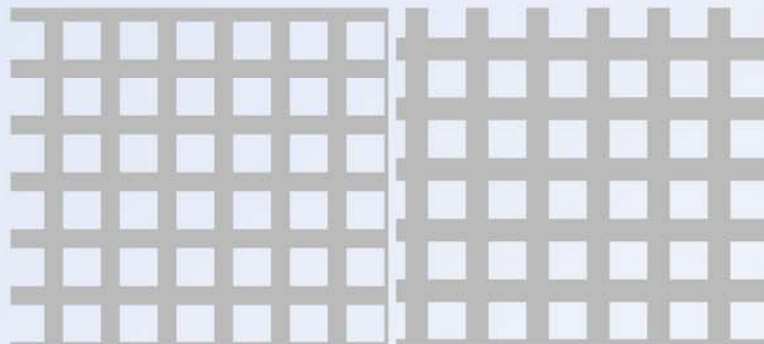
a = apertura foro p = passo v/p = vuoto su pieno
 • = standard a richiesta x = standard dal pronto (salvo venduto)
 largh. max = larghezza massima possibile della lamiera

see page 5
 siehe S. 5
 voir page 5



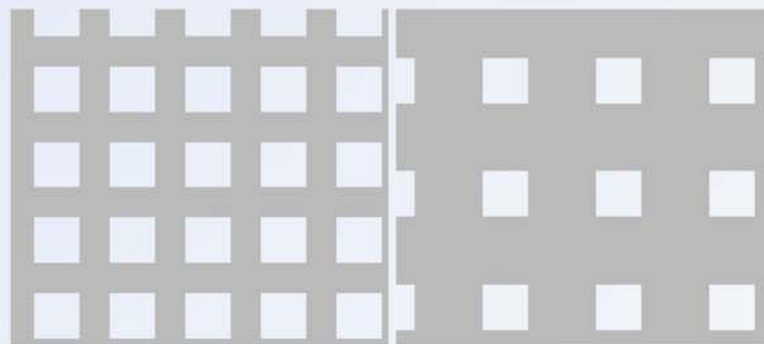
4x4 p. 10 v/p 16%

5x5 p.7 v/p 51%



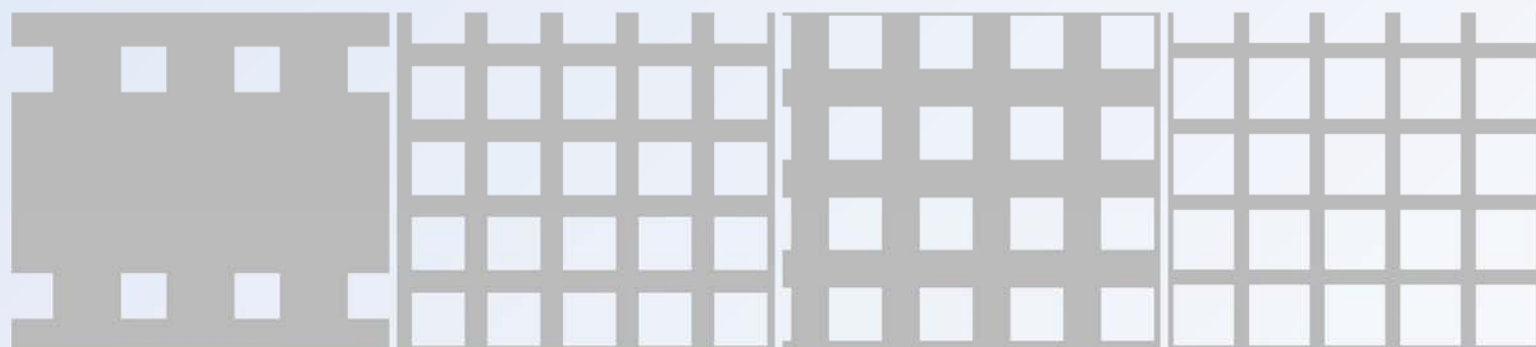
5x5 p. 7,5 v/p 45%

5x5 p. 8 v/p 39%



6x6 p. 10 v/p 36%

6x6 p.15 v/p 16%

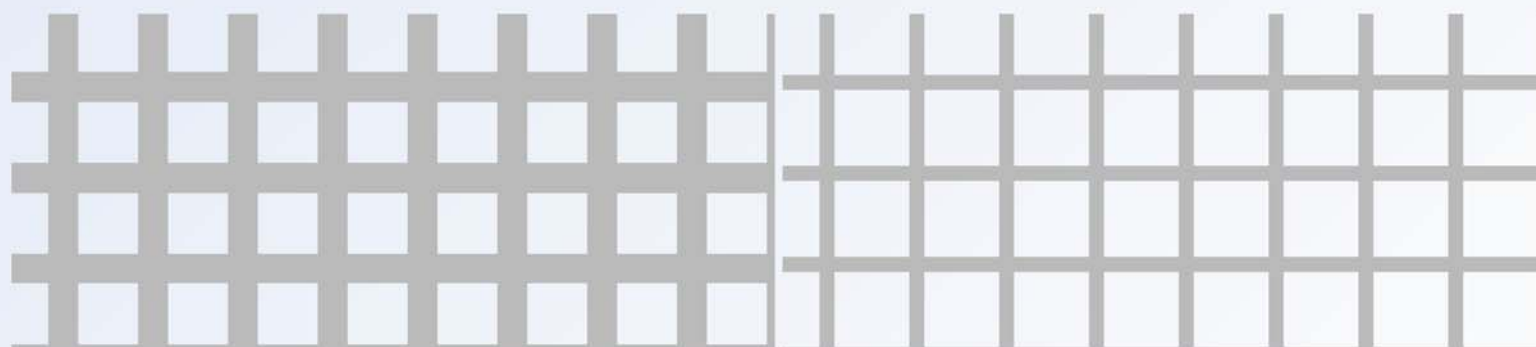


6x6 p. 15/30 v/p 8%

7x7 p. 10 v/p 49%

7x7 p. 12 v/p 34%

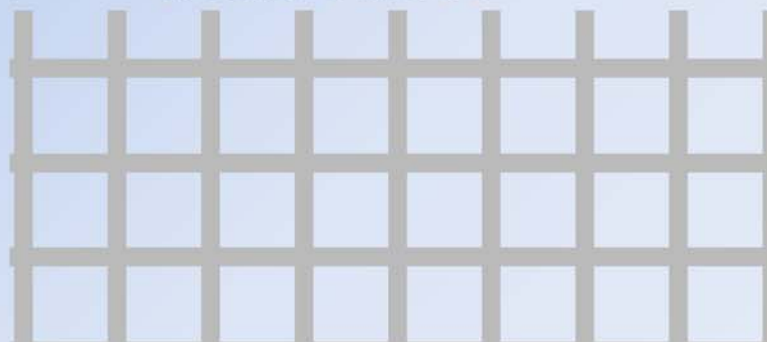
8x8 p. 10 v/p 64%



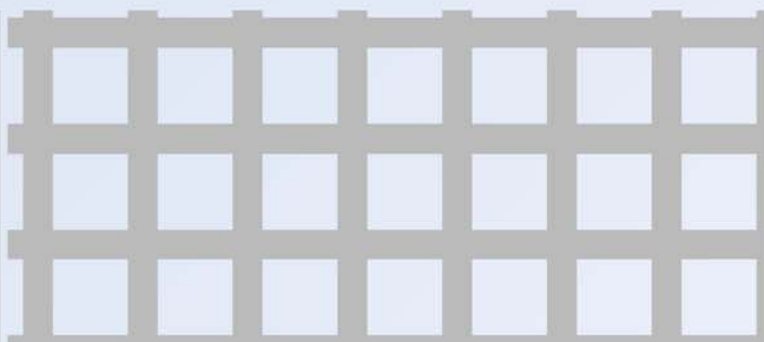
8x8 p. 12 v/p 44%

10x10 p. 12 v/p 69%

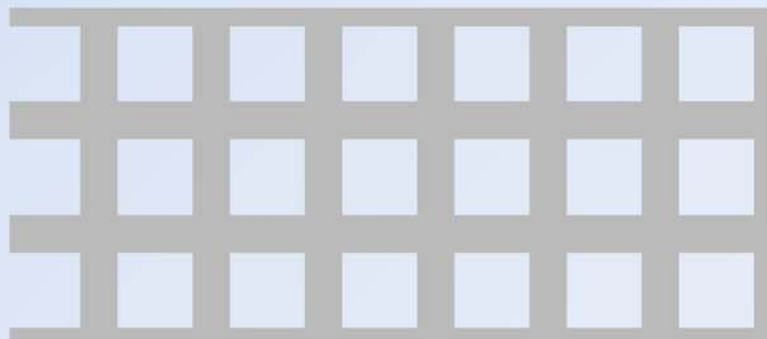
Fori quadri, square holes, Quadratlochungen, trous carrés



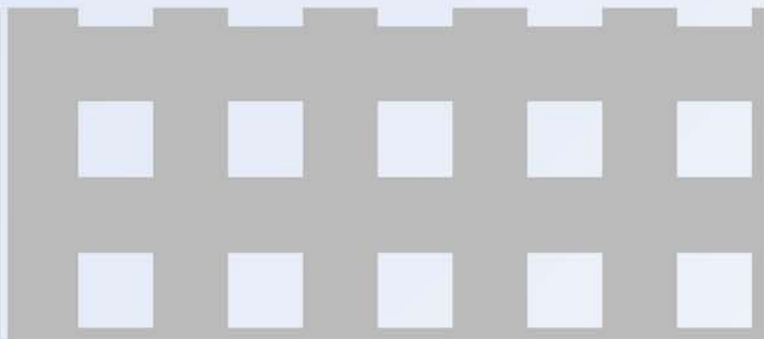
10x10 p. 12,5 v/p 64%



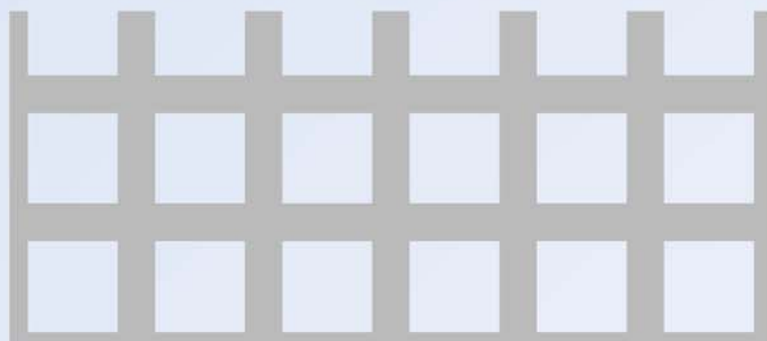
10x10 p. 14 v/p 51%



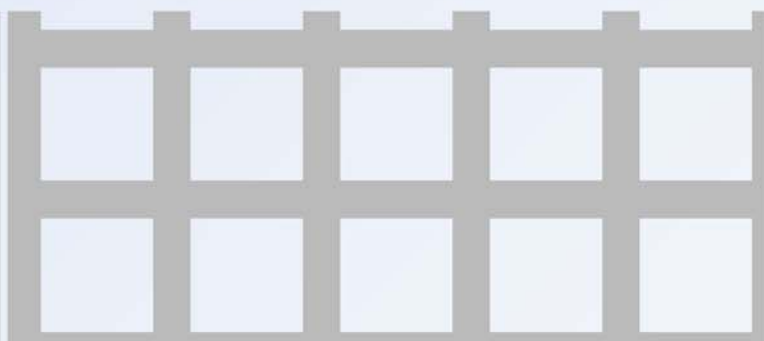
10x10 p. 15 v/p 44%



10x10 p. 20 v/p 25%



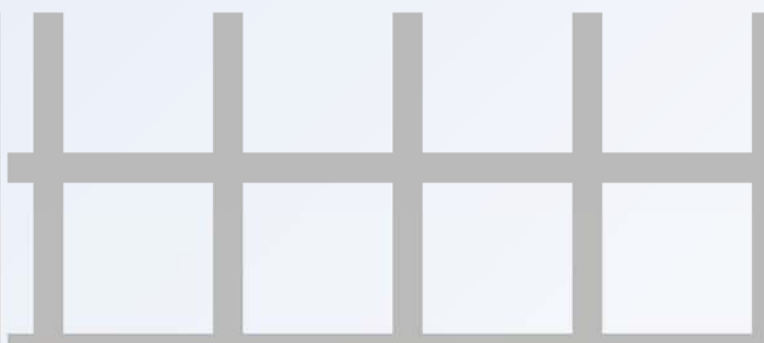
12x12 p. 17 v/p 50%



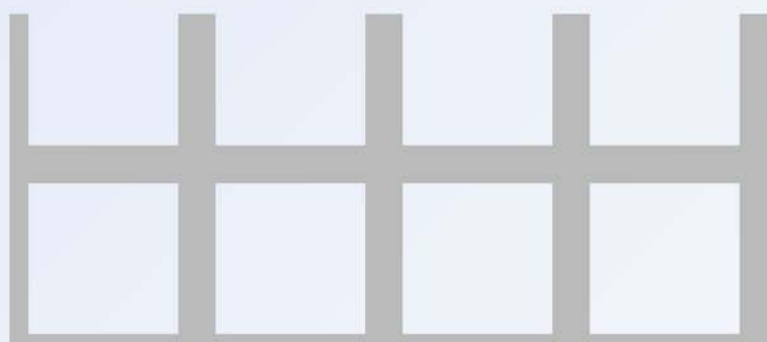
15x15 p. 20 v/p 56%



20x20 (r=2) p. 23 v/p 75%



20x20 p. 24 v/p 70%



20x20 p. 25 v/p 64%

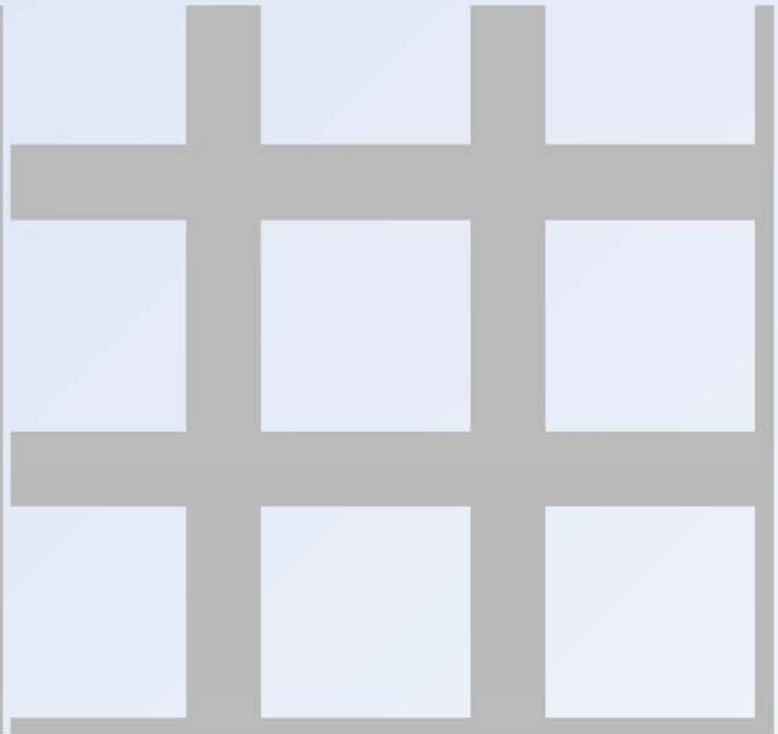


25x25 p. 31,6 v/p 63%

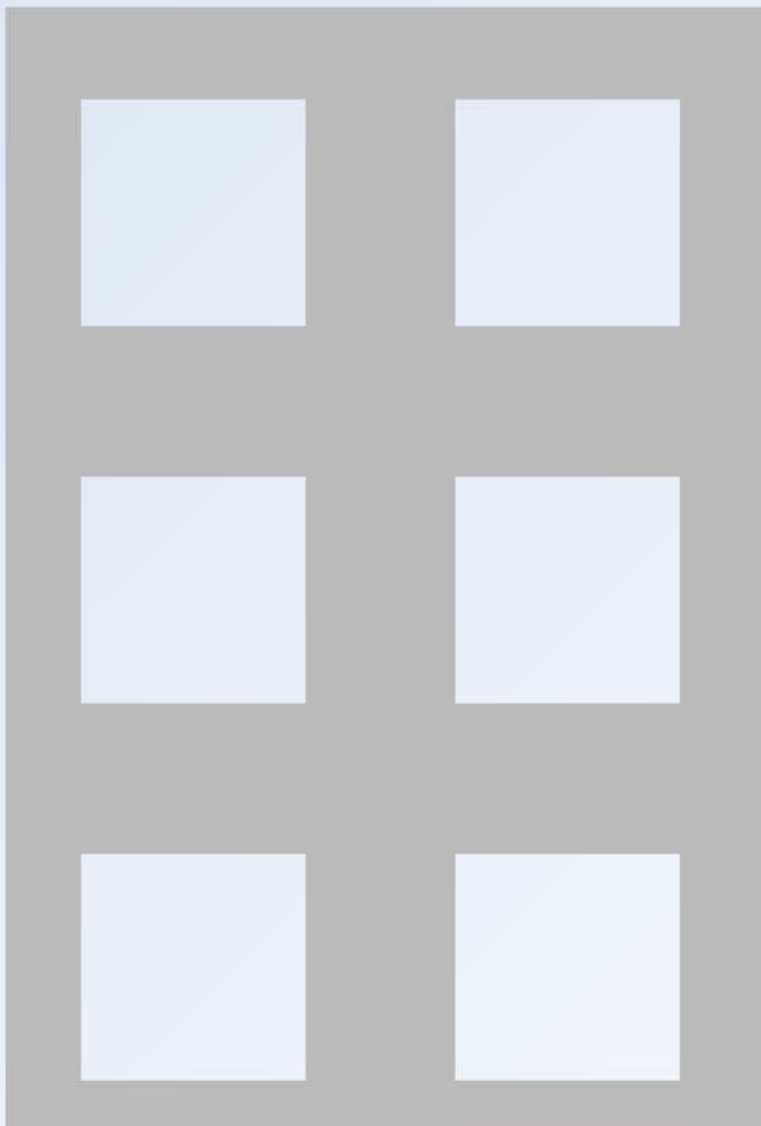
Fori quadri, square holes, Quadratlochungen, trous carrés



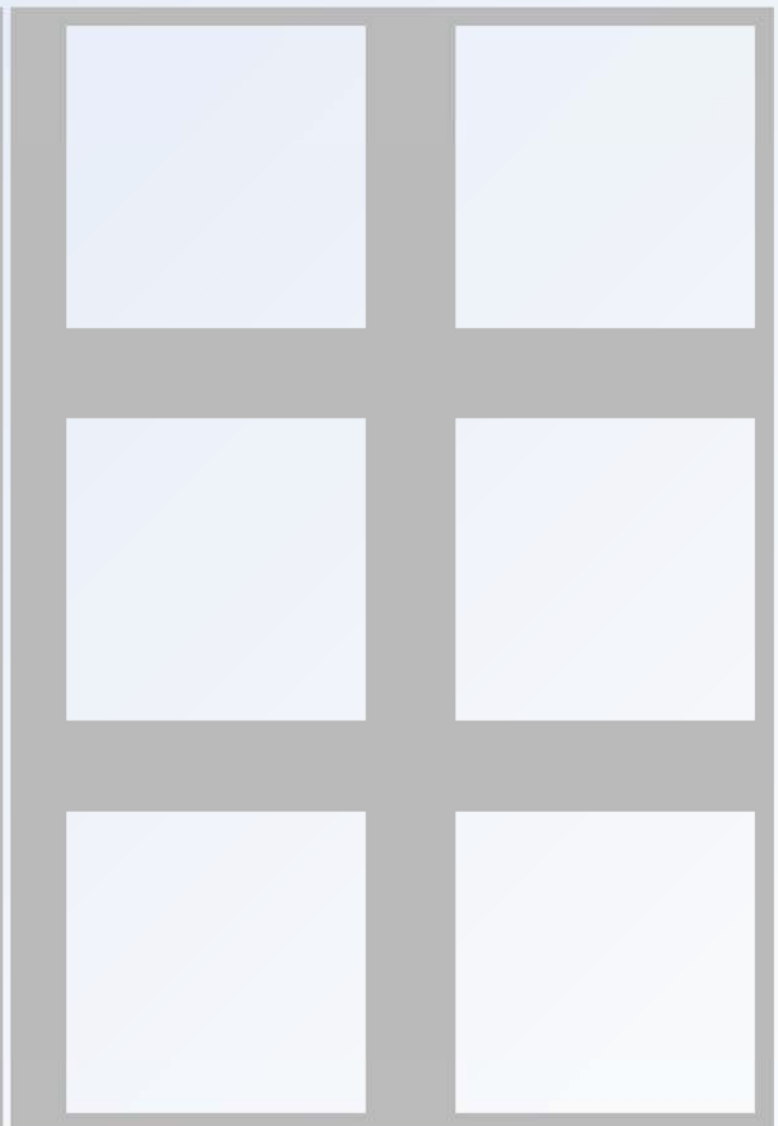
25x25 p. 40 v/p 39%



28x28 p. 38 v/p 55%

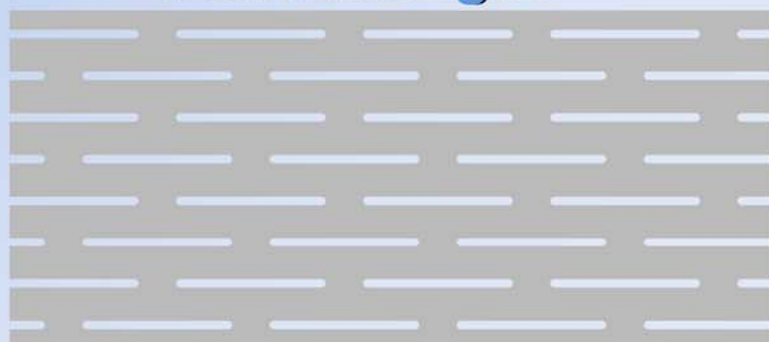


30x30 p. 50 v/p 36%

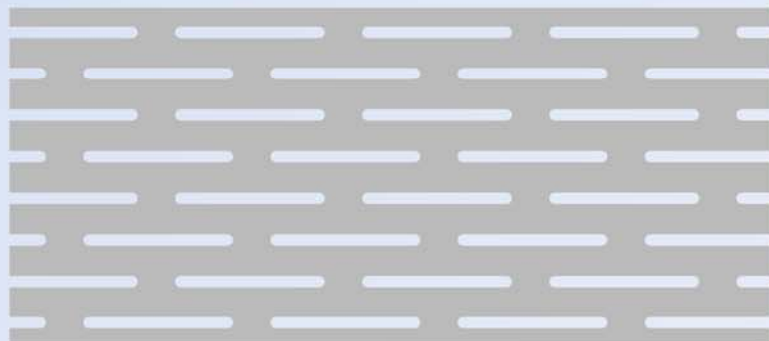


40x40 p. 52 v/p 59%

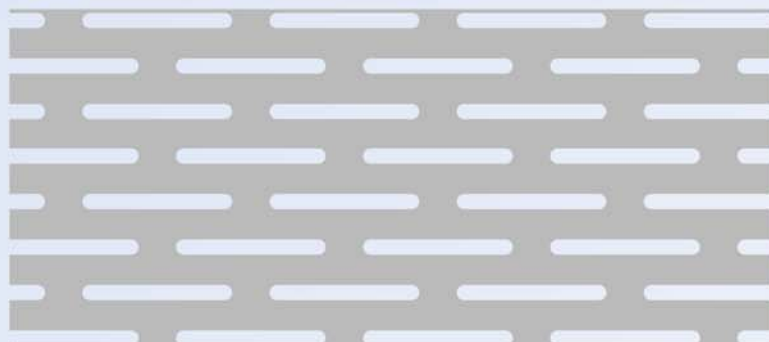
Fori oblunghi, slots, Langlochungen, trous allongés



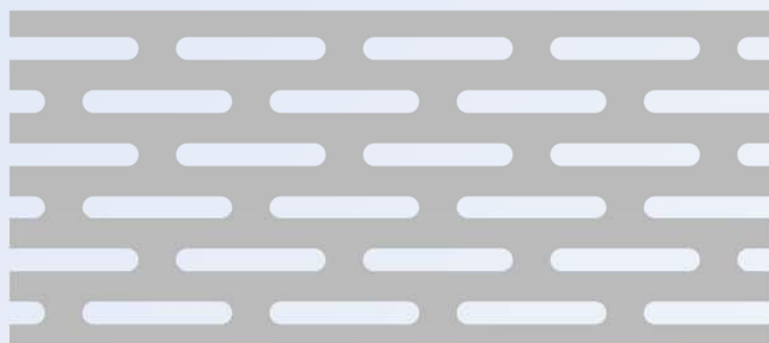
1,1x20 p. 5,5x25 v/p 16%



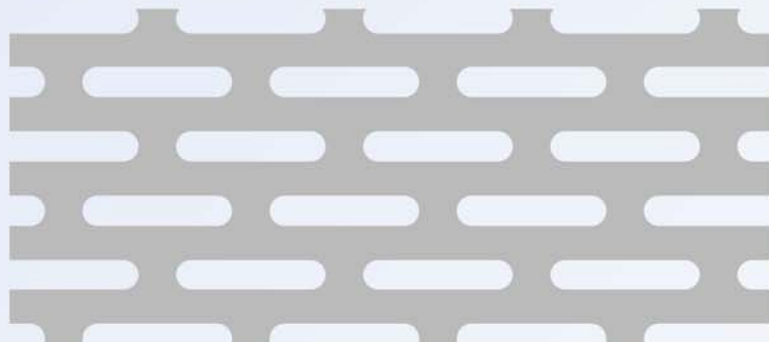
1,5x20 p. 5,5x25 v/p 22%



2x20 p. 6x25 v/p 27%



3x20 p. 7x25 v/p 33%



4x20 p. 8,5x25 v/p 36%

à quinconce, staggered, versetzt, alternati

a · l	p1 · p2	v/p	largh.	spessore									
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0	3,0	4,0	5,0	6,0	8,0
1,1x20	5,5x25	16	2.000			•	•						
1,25x20	4,25x25	23	2.000				•						
1,5x20	5,5x25	22	2.000		•	•	•	•					
2x20	6x25	27	2.000			•	•	•					
2x20	8x25	20	2.000										
3x20	7x25	33	1.500	•	•	•	x						
3x20	8x25	29	2.000				•	•	•				
4x20	8,5x25	36	1.500			x	x	•					
4x20	9x25	34	2.000				•	•	•	•			
5x20	11x26	33	2.000			•	•	•		•	•		
5x25	10x30	40	2.000			•	•	•	•	•	•		
7x20	17x38	20	1.300		•	•							
7x25	25x42	16	1.300				•	•					
10x20	19x29	33	1.500				•	•					
10x40	20x50	38	2.000					•				•	•

a · l = larghezza · lunghezza foro

p1 · p2 = passo laterale · passo longitudinale

• = standard a richiesta

x = standard dal pronto (salvo venduto)

largh. max = larghezza massima possibile della lamiera

see page 5/14

siehe S. 5/14

voir page 5/14

en lignes, straight rows, in Reihen, pari

a · l	p1 · p2	v/p	largh.	spessore							
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0	3,0	4,0	5,0
2x20	20xn	y	2.000					●	●		
2,4x16	4,5x20	41	1.500				●				
3x10	6x13	36	2.000				●	●	●		
3x40	14xn	y	2.000						●	●	
4x20	8xn	y	1.300	●	●	●					
4x22	10x27	32	2.000			●	●	●	●	●	
5x20	10xn	y	1.300	●	●	●					
7x25	24xn	y	1.300			●	●	●			
7x25	25xn	y	1.500				●	●			

a · l = larghezza · lunghezza foro

p1 · p2 = passo laterale · passo longitudinale

v/p = vuoto su pieno

• = standard a richiesta

n = passo a scelta

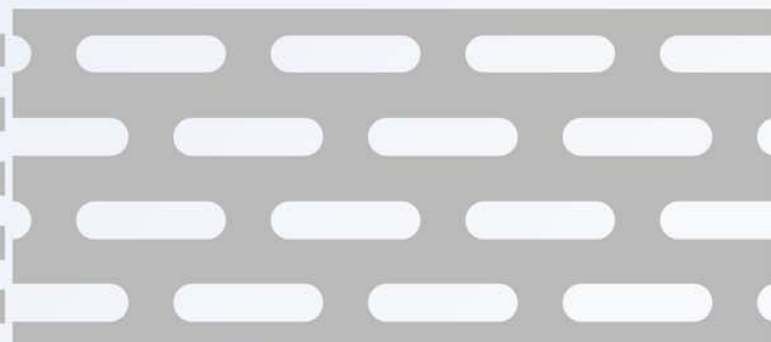
y = variabile

largh. max = larghezza massima possibile della lamiera

see page 5/14

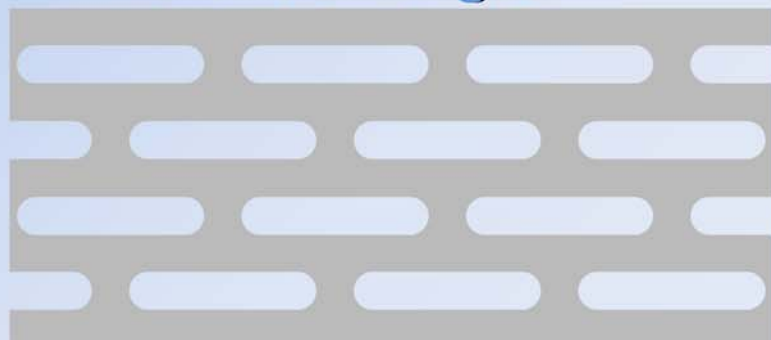
siehe S. 5/14

voir page 5/14

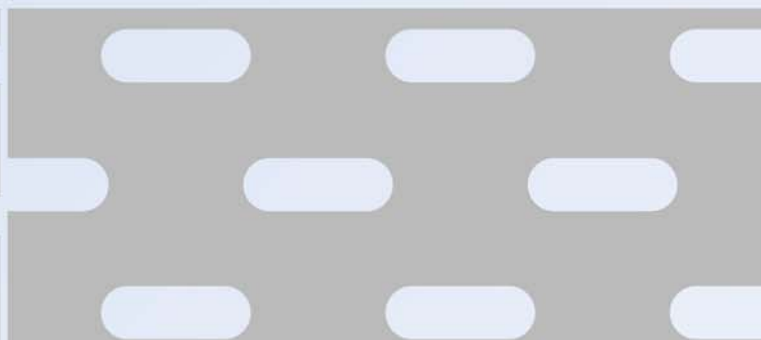


5x20 p. 11x26 v/p 33%

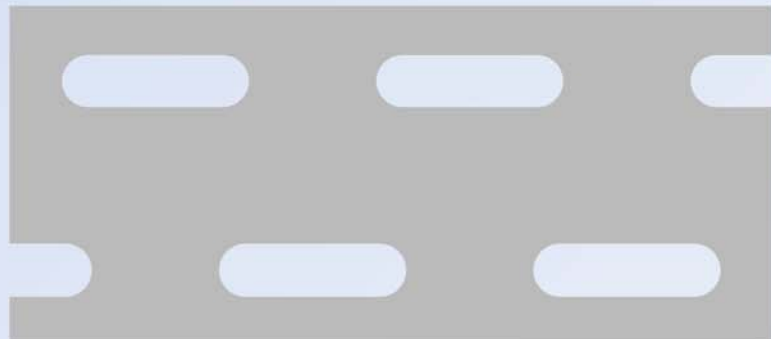
Fori oblunghi, slots, Langlochungen, trous allongés



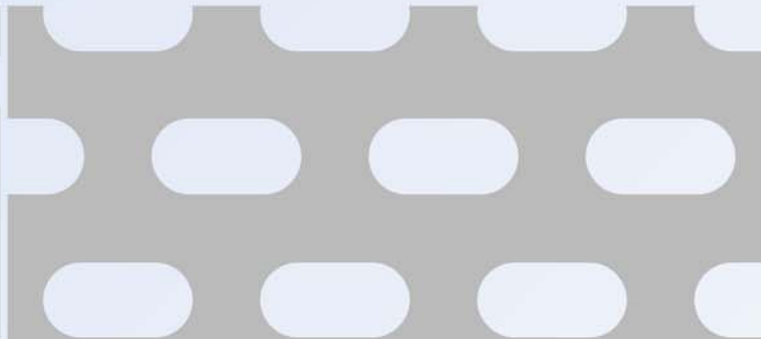
5x25 p. 10x30 v/p 40%



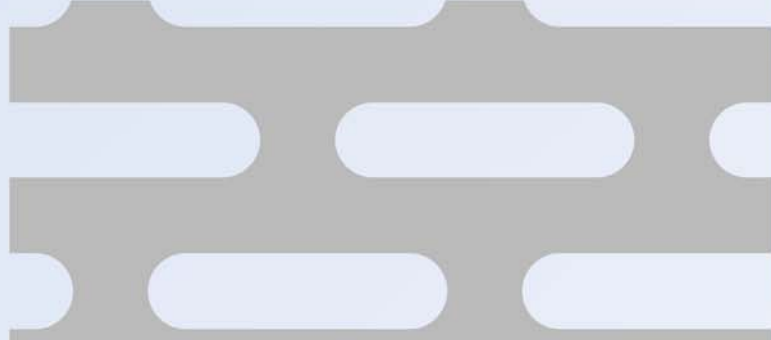
7x20 p. 17x38 v/p 20%



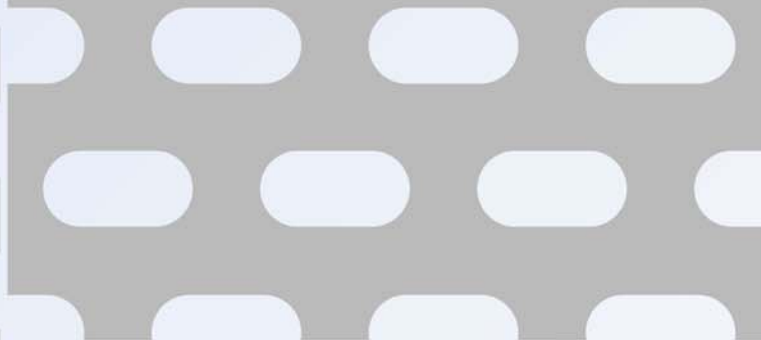
7x25 p. 25x42 v/p 16%



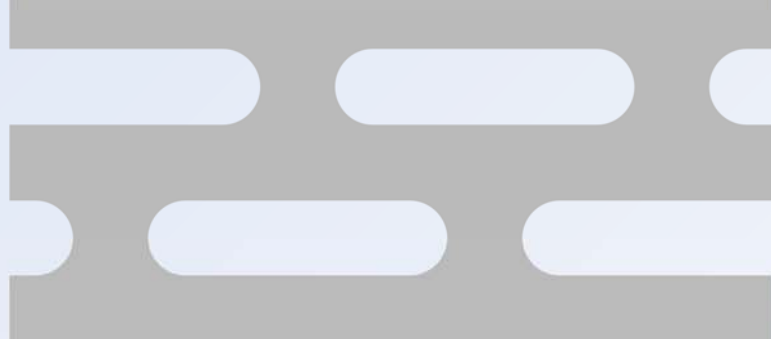
10x20 p. 19x29 v/p 33%



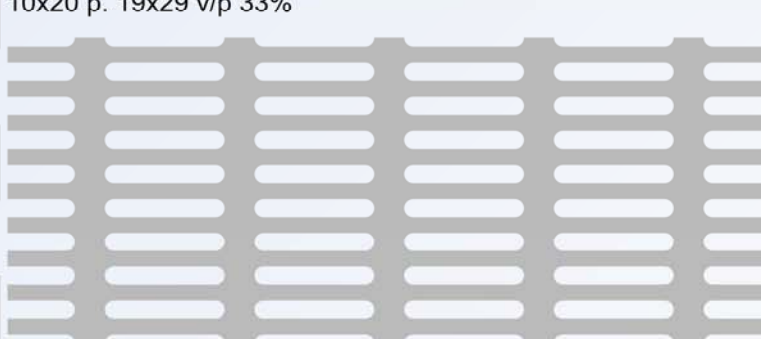
10x40 p. 20x50 v/p 38%



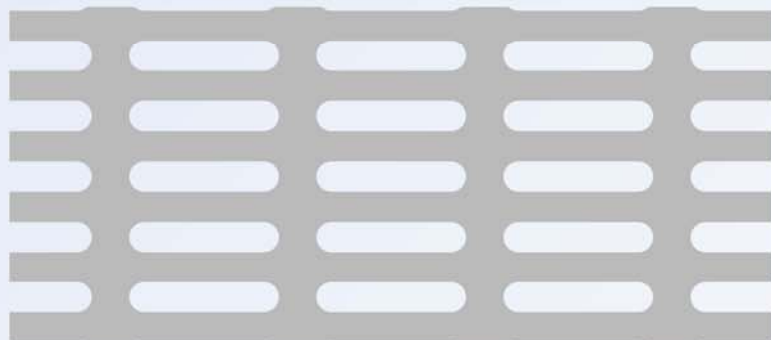
2,4x16 p. 4,5x20 v/p 41%



4x20 p. 8x25 v/p 38%

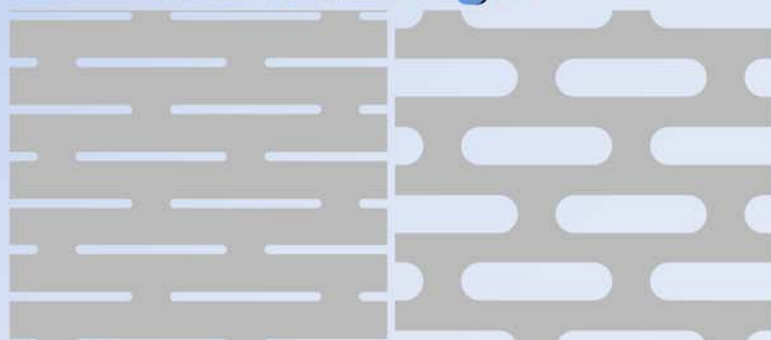


7x25 p. 25x35 v/p 19%



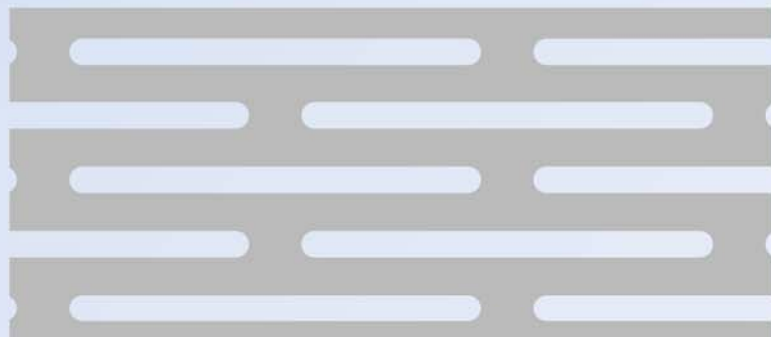
7x25 p. 25x35 v/p 19%

Fori oblunghi, slots, Langlochungen, trous allongés

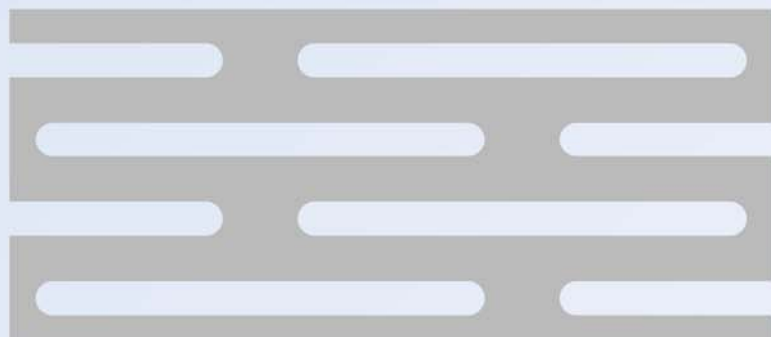


1,2x20 p. 6,2x25 v/p 15%

5x20 p. 9x25 v/p 42%



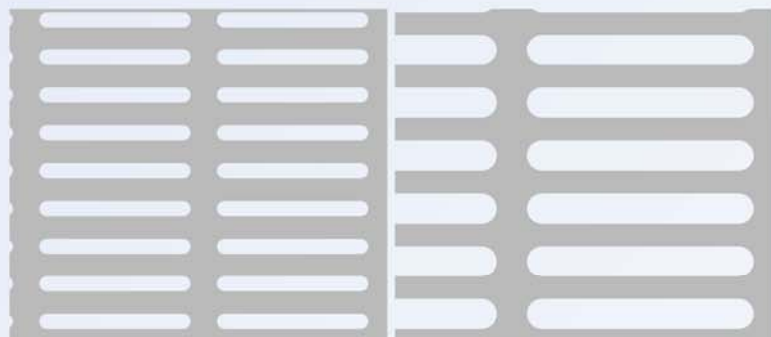
3,5x55 p. 8,5x62 v/p 36%



4,5x60 p. 10,5x70 v/p 36%



7x25 p. 15x30 v/p 37%



2x20 p. 5x23,5 v/p 34%

4x30 p. 7x34 v/p 49%

à quinconce, staggered, versetzt, alternati

a · l	p1 · p2	v/p	largh.	spessore							
mm	mm	%	max	0,8	1,0	1,5	2,0	3,0	4,0	5,0	
1,2x20	6,2x25	15	1.300			•					
3,5x55	8,5x62	36	2.000						•	•	
4x55	10x65	34	2.000						•	•	
4x65	9x72	40	2.000						•	•	
4,5x60	10,5x70	36	2.000			•	•		•	•	
5x20	9x25	42	2.000			•	•				
5x60	10,5x70	40	2.000						•	•	
7x25	15x30	37	1.300	•	•						
10x50	24x60	33	2.000			•		•	•		

a · l = larghezza · lunghezza foro

p1 · p2 = passo laterale · passo longitudinale

v/p = vuoto su pieno

• = standard a richiesta

largh. max = larghezza massima possibile della lamiera

see page 5

siehe S. 5

voir page 5

en lignes, straight rows, in Reihen, pari

a · l	p1 · p2	v/p	largh.	spessore				
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0
2x20	5x23,5	34	2.000	•	•	•	•	•
4x30	7x34	49	2.000			•		
5,5x25	n x 30	y	1.200	•	•			
6x30	a dis.	y	2.000				•	
6x100	a dis.	y	2.000				•	
8x30	a dis.	y	2.000				•	
8x100	a dis.	y	2.000				•	
10x40	20x50	38	2.000				•	•
15x45	21x50	60	2.000				•	•

a · l = larghezza · lunghezza foro

p1 · p2 = passo laterale · passo longitudinale

v/p = vuoto su pieno

• = standard a richiesta

n = passo a scelta

y = variabile

largh. max = larghezza massima possibile della lamiera

see page 5

siehe S. 5

voir page 5

a = largeur / width / Breite

l = longueur du trou / hole's length / länge des loches

p1 = entraxe latéral / side pitch / Seitenteilung

p2 = entraxe longitudinal / longitudinal pitch / Längsteilung



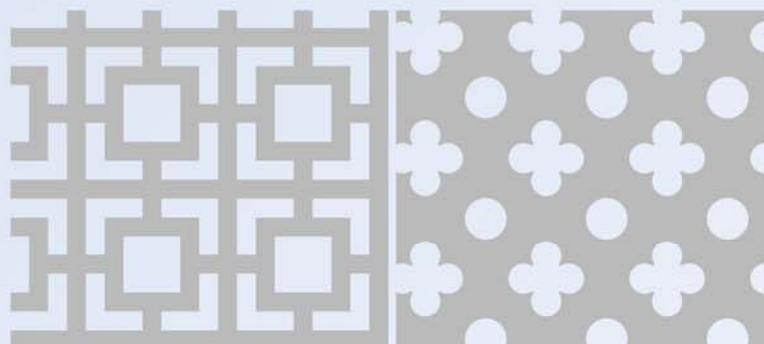
15x45 p. 21x50 v/p 60%

Varie, miscellaneous, Verschiedene, autres

a	p	v/p	largh.	spessore								
mm	mm	%	max	0,5	0,8	1,0	1,5	2,0	3,0	4,0	5,0	
GF5	20	39	1.500	●	●	●						
GF11	16	32	1.300	●	●	x						
GF17	9	42	1.300	x	●	x						
GF20	14	40	1.000		●	●						
a chiave	12,5	22	1.500		●	x						
Euro 4,5	25	7	1.500				●	●				
Euro 5	25	8	1.500				●	●				
4	10	13	1.300	●	●	●	●	●				
20x20 alt.	24	69	1.500				●	●				
30x30 diag.	36	68	2.000				●	●				
10x10 ondulato	18	31	1.000		●	●						
6 sv.	14,5	16	1.500		●	●	●	●				
8 sv.	17	20	2.000				●					
14 sv.	30	20	2.000				●	●	●	●	●	
26 sv.	40	38	1.300	●	●	●						
10x20 sv.	19x29	33	2.000				●	x	●			
10+12 sv.	a dis.	8	2.000							●	●	
bugna 14x21	a dis.	-	2.000				●	●	●			
bugna tonda 8	26	-	2.000					●				
bugna tonda 10	31,16	-	2.000				●					
bugna tonda 15	34,64	-	2.000				●					
bugna 15x15	40	-	2.000				●	●	●			
bugna 20x20	50	-	2.000				●	●				

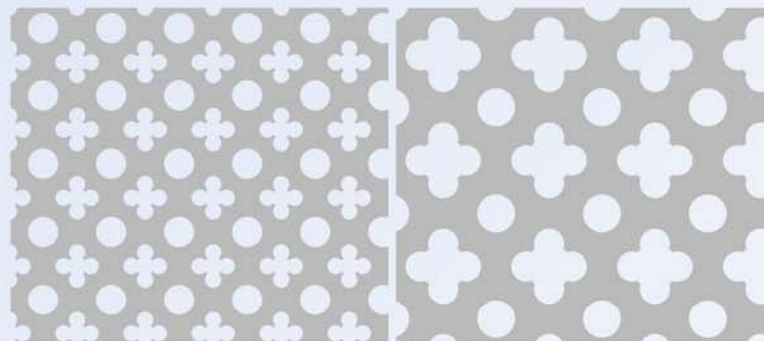
a = apertura foro p = passo v/p = vuoto su pieno
 • = standard a richiesta x = standard dal pronto (salvo venduto)
 largh. max = larghezza massima possibile della lamiera

see page 5
 siehe S. 5
 voir page 5



GF5 p. 20 v/p 39%

GF11 p. 16 v/p 32%

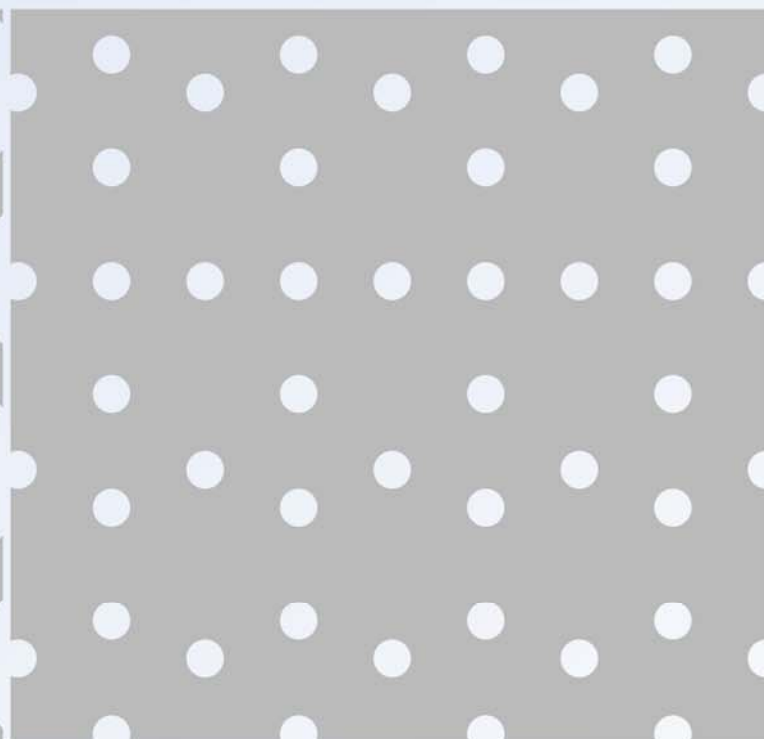


GF17 p. 9 v/p 42%

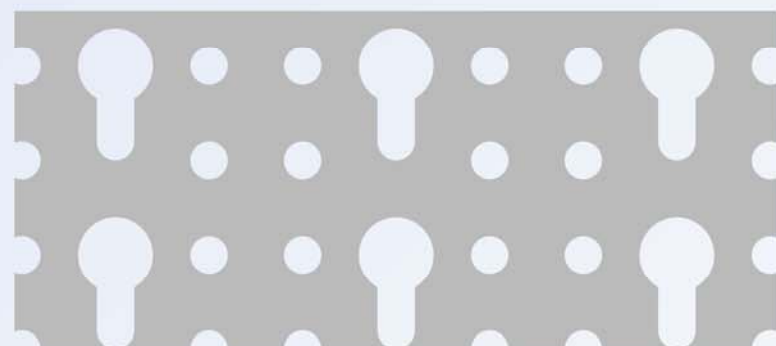
GF20 p.14 v/p 40%



30x30 (r=6, diag. 45°) p. 36 v/p 68%



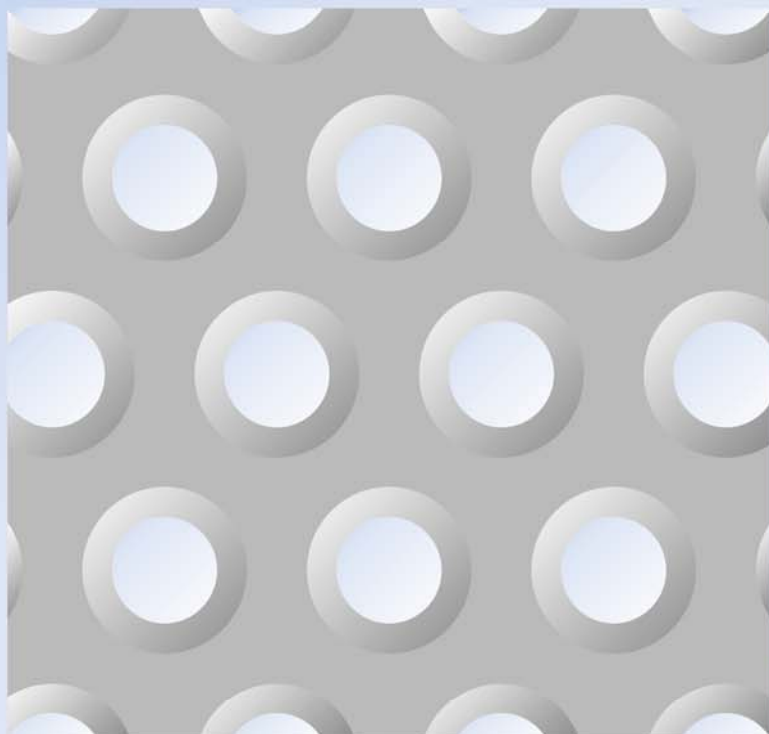
Euro 5 p. 25 v/p 8%



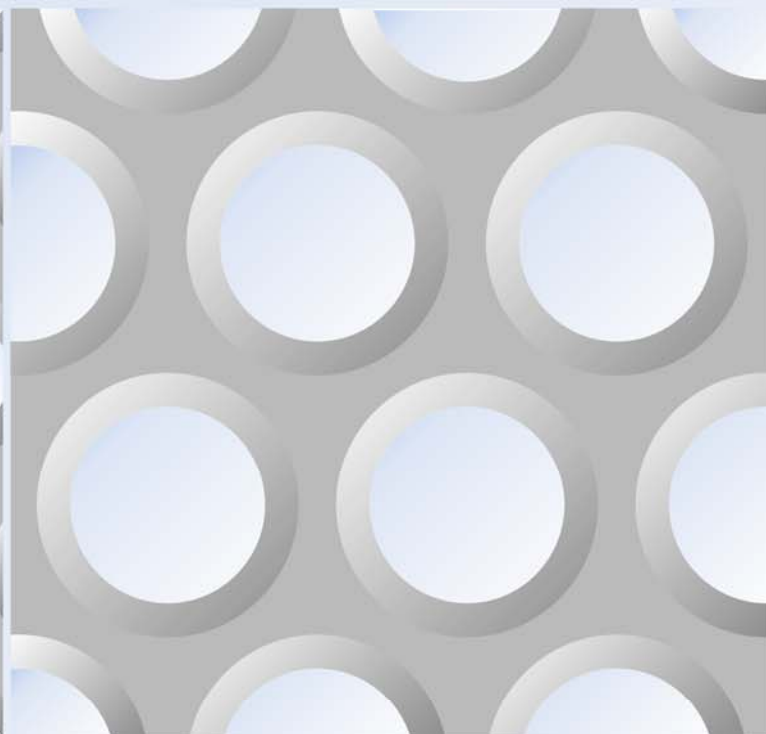
Foro a chiave p. 12,5 v/p 22%



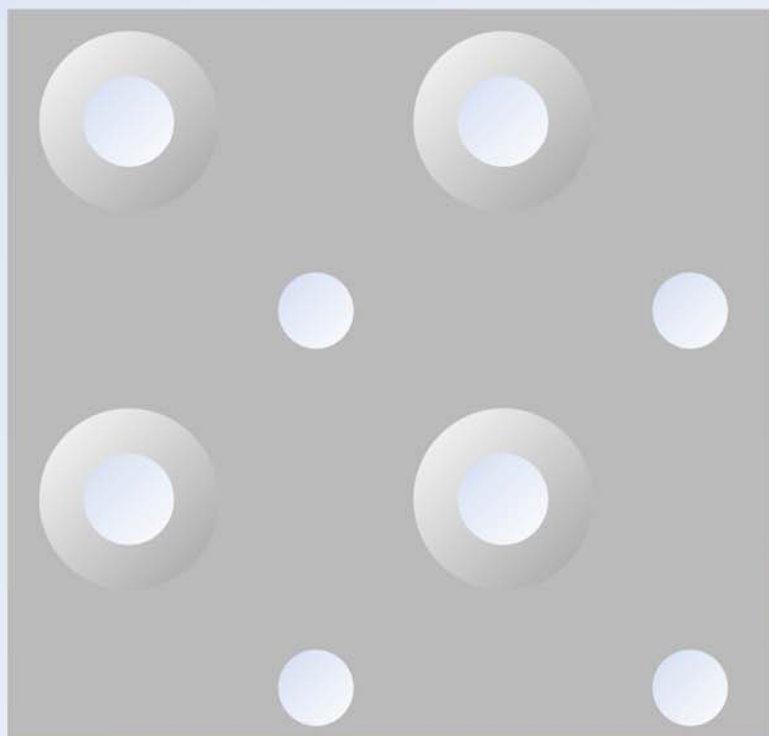
d. 4 p.10 a 45° v/p 13%



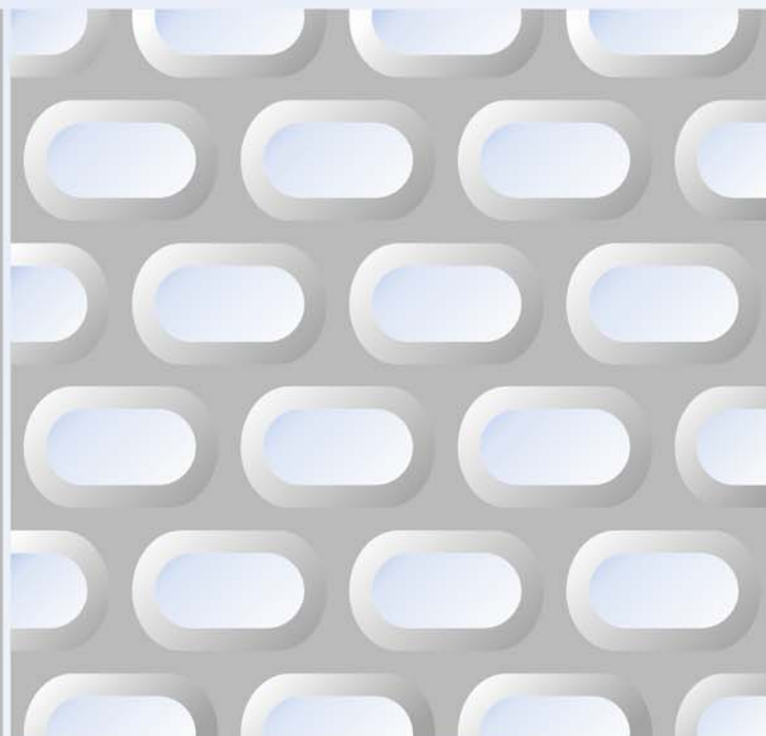
d. 14 svas. p. 30 v/p 20%



d. 26 svas. p. 40 v/p 38%



d. 10+12 svas. p. 35,25 a 45° v/p 8%



10x20 svas. p. 19x29 v/p 33%



Bugna 14x21 p. 20x30



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