

Perforated Sheet Specification (คุณลักษณะของแผ่นเจาะรู)

1) Thickness :

ความหนา

2) Size (WxL) :

ขนาดแผ่น (กว้าง x ยาว)

3) Hole Diameter :

ขนาดรู

4) Pitch :

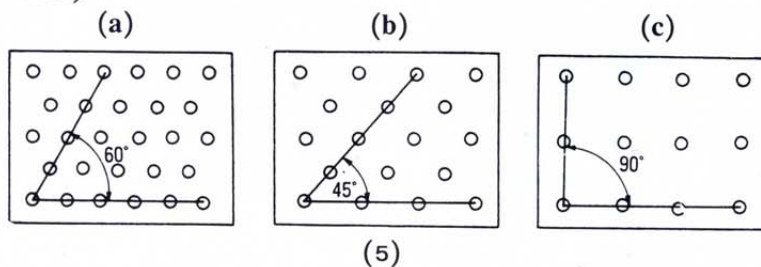
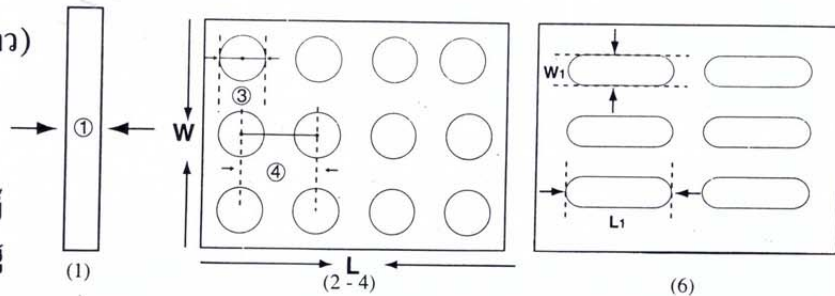
ระยะห่างระหว่างจุดศูนย์กลางรู ถึงจุดศูนย์กลางรู

5) Angle (a,b,c) :

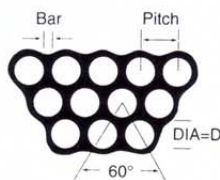
มุมของแนวเจาะ

6) Hole (W1xL1) :

ขนาดรู (W1xL1)

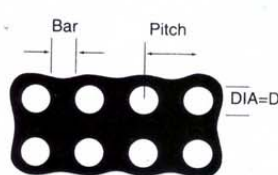


OPEN AREA CALCULATION (วิธีการหาค่าของอัตราส่วน พท. เจาะเทียบกับ พท.ทั้งแผ่น เป็น %)



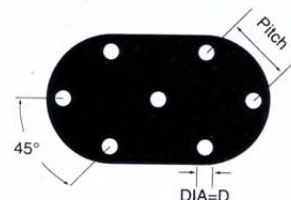
60 Deg Staggered Pitch

$$\begin{aligned} \% \text{ OPEN AREA} &= \frac{\pi D^2}{4 P^2 \sin 60^\circ} \times 100 \\ &= \frac{0.7854}{0.8660} \times \left(\frac{D}{P}\right)^2 \times 100 \\ &= 90.69 \left(\frac{D}{P}\right)^2 \end{aligned}$$



Square Pitch

$$\begin{aligned} \% \text{ OPEN AREA} &= \frac{\pi D^2}{4 P^2} \times 100 \\ &= 78.54 \left(\frac{D}{P}\right)^2 \end{aligned}$$

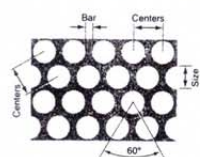


45 Deg Staggered Pitch

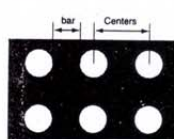
$$\begin{aligned} \% \text{ OPEN AREA} &= \frac{\pi D^2}{4 P^2} \times 100 \\ &= 78.54 \left(\frac{D}{P}\right)^2 \end{aligned}$$

Hole Patterns : รูปแบบของรู

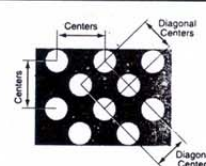
60 DEG STAGGERED ROUND HOLE



SQUARE ROUND HOLE

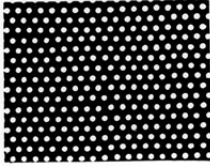


45 DEG STAGGERED ROUND HOLE

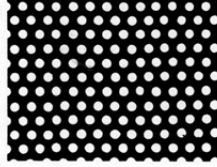


Sample of Hole Sizes and Pitches Available

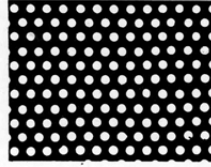
(1) 1.0 x 2.0P 23%



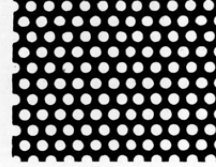
(2) 1.5 x 2.5P 32%



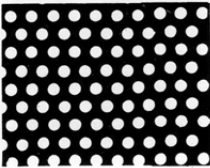
(3) 1.5 x 3.0P 23%



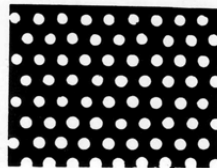
(4) 2.0 x 3.0P 40%



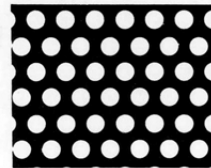
(5) 2.0 x 3.5P 30%



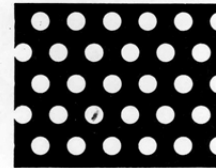
(6) 2.0 x 4.0P 23%



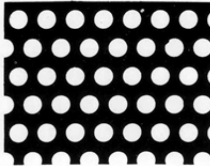
(7) 3.0 x 5.0P 33%



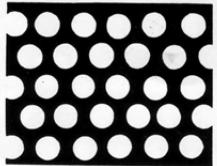
(8) 3.0 x 6.0P 23%



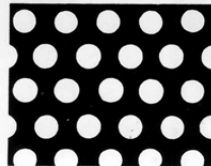
(9) 3.2 x 4.8P 39%



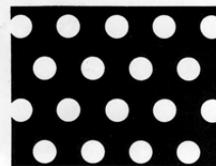
(10) 4.0 x 6.0P 40%



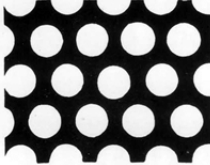
(11) 4.0 x 7.0P 30%



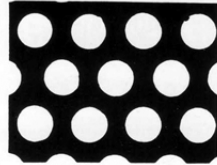
(12) 4.0 x 8.0P 23%



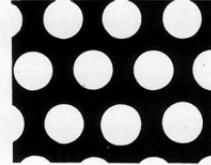
(13) 5.0 x 8.0P 35%



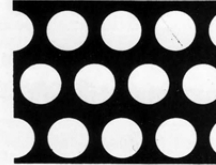
(14) 6.0 x 9.0P 40%



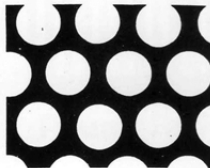
(15) 6.0 x 10P 33%



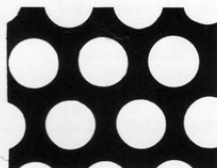
(16) 6.5 x 9.0P 47%



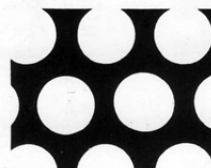
(17) 7.0 x 10P 44%



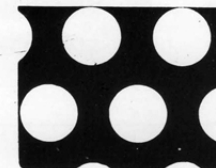
(18) 8 x 12P 40%



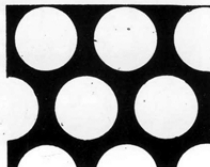
(19) 9 x 13P 43%



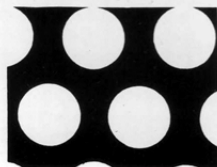
(20) 9 x 14P 37%



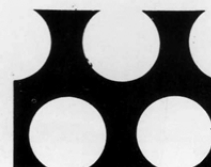
(21) 10 x 13P 53%



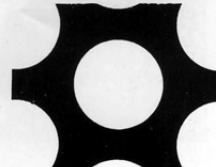
(22) 10 x 15P 40%



(23) 12 x 18P 40%



(24) 15 x 20P 50%



Pattern : 45 DEGREE STAGGERED

รูปแบบ : รูสลับ 45 องศา

MATERIAL : Cold rolled steel, Hot rolled steel, Galvanized sheet, Aluminium, Stainless, Others metal sheet

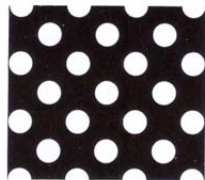
วัสดุ : เหล็กแผ่นขาว , เหล็กแผ่นดำ , สังกะสี, อลูมิเนียม, สแตนเลส หรือโลหะอื่น ๆ

MAX WIDTH : 1524 mm (5 feet)

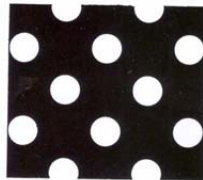
ความกว้างสูงสุดที่ผลิตได้ : 1524 มิลลิเมตร (5 ฟุต)

Hole Dia. (mm)	Pitch (mm)	Open Area %
1.2	5.0	4.5
4.0	14.0	6.4
5.0	10.0	19.6
6.0	15.0	12.6
6.0	24.0	4.9
8.0	20.0	12.6
10.0	30.0	8.7
12.0	25.0	18.1

(25) 4.0x7.0P 25.6%



(26) 5.0 x 10.6P 19.6%



(27) 6.0 x 9.0P 34.9%



Pattern : 90 DEGREE

รูปแบบ : 90 องศา

MATERIAL : Cold rolled steel, Hot rolled steel, Galvanized sheet, Aluminium, Stainless, Others metal sheet

วัสดุ : เหล็กแผ่นขาว , เหล็กแผ่นดำ , สังกะสี, อลูมิเนียม, สแตนเลส หรือโลหะอื่น ๆ

MAX WIDTH : 1524 mm (5 feet)

ความกว้างสูงสุดที่ผลิตได้ : 1524 มิลลิเมตร (5 ฟุต)

Hole Dia. (mm)	Pitch (mm)	Open Area %
3.0	9.0	8.7
5.0	8.0	30.7
6.0	12.0	19.7
6.0	25.0	4.5
7.0	25.0	6.2
10.0	20.0	19.6
10.0	25.0	12.6

(28) 1.5 x 5.0P 7.1%



(29) 2.5 x 12.0P 3.4%



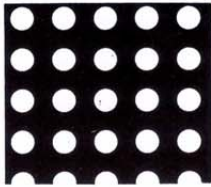
(30) 3.0 x 4.5P 34.9%



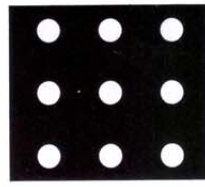
(31) 3.0 x 5.0P 28%



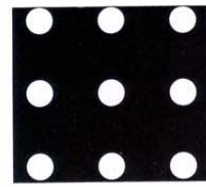
(32) 4.0 x 7.0P 26%



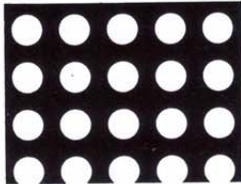
(33) 4.0 x 10.5P 11.4%



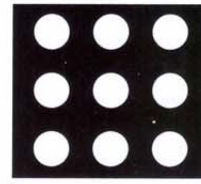
(34) 4.5 x 12.5P 10.2%



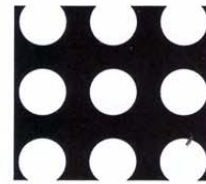
(35) 5.0 x 8.0P 30%



(36) 6.0 x 10.0P 28.3%



(37) 8.0 x 12.0P 34.9%

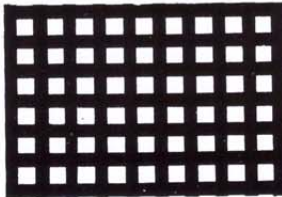


Others list of Available Hole Patterns ลวดลายและลักษณะอื่น ๆ ของรู

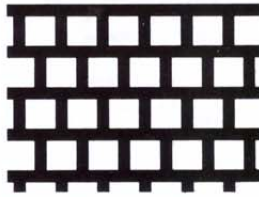
Square Hole

รูสี่เหลี่ยม

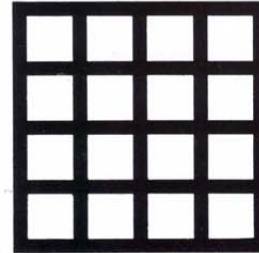
(38) 3 x 5P 36%



(39) 5 x 7P 50%

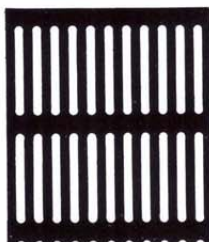


(40) 8 x 10P 64%

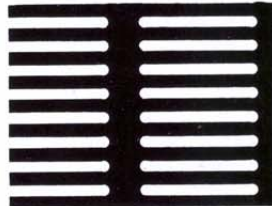


Round End Slot Straight รูยาวขอบมนลายตรง

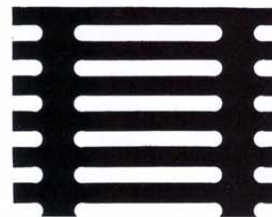
(41) 1.5 x 15 HOLE



(42) 2 x 20 HOLE

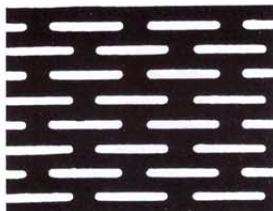


(43) 3 x 25 HOLE

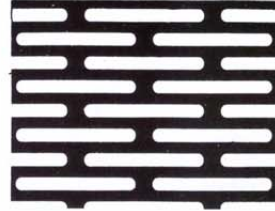


Round End Slot Side Stagger รูยาวขอบมนลายสลับ

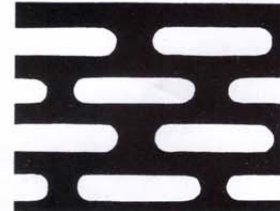
(44) 1.5 x 12 27%



(45) 2 x 20 42%

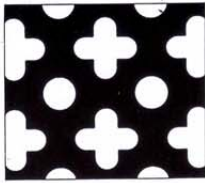


(46) 4 x 20 36%



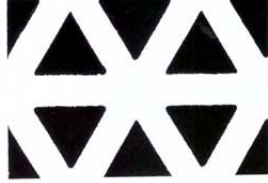
Fancy Pattern : ลวดลายพิเศษ

(47)



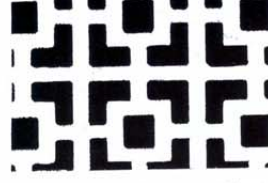
(50) 10 x 13P 59.2%

(48)

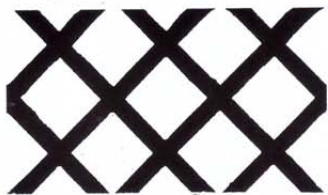


(51) 8.5 x 16.5P 40%

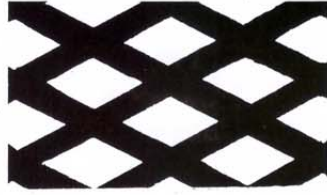
(49)



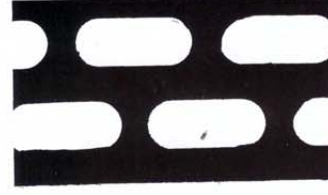
(52) 8 x 20P 42.2%



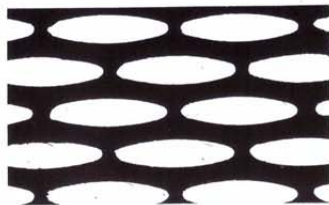
(53) 4.5 x 20 HOLE



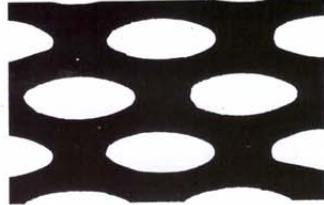
(54) 7 x 19 HOLE



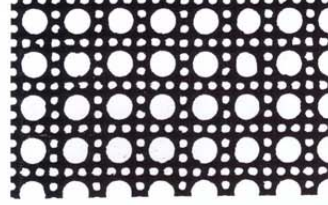
(55) 44%



(56) 49%



(57) 76%



(58) 56%



(59) 10 x 13P 50%



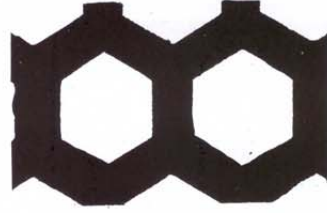
(60) 17 x 25P



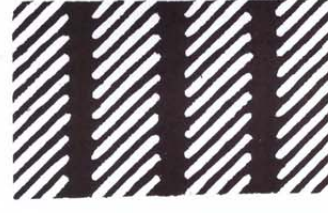
(61) 1x15 HOLE



(62) 2.5 x 12 HOLE



(63) 4 x 12 HOLE



(64)

