

Perforated Sheet Specification (คุณลักษณะของแผ่นเจาะรู)

1) Thickness :

ความหนา

2) Size (WxL) :

ขนาดแผ่น (กว้าง x ยาว)

3) Hole Diameter :

ขนาดรู

4) Pitch :

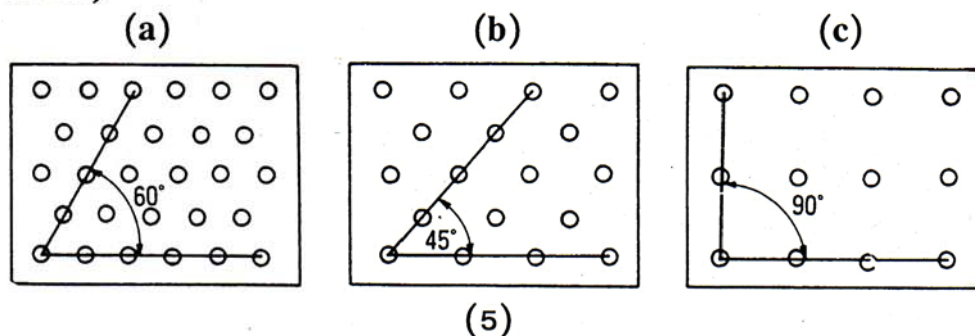
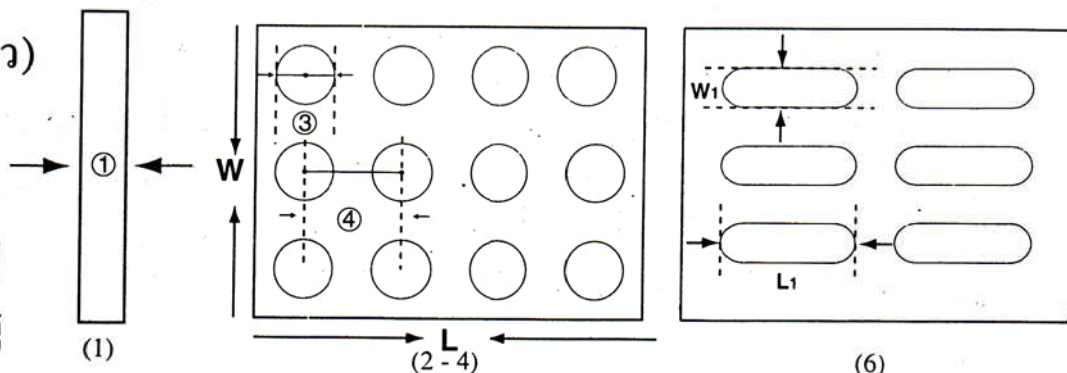
ระยะห่างระหว่างจุดศูนย์กลางรู ถึงจุดศูนย์กลางรู

5) Angle (a,b,c) :

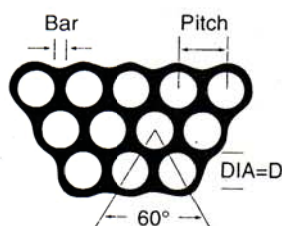
มุมของแนวเจาะ

6) Hole (W1xL1) :

ขนาดรู (W1xL1)

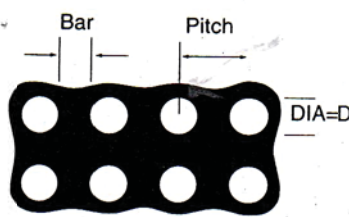


OPEN AREA CALCULATION (วิธีการคิดค่าของอัตราส่วน พท. เจาะเทียบกับ พท.ทั้งแผ่น เป็น %)



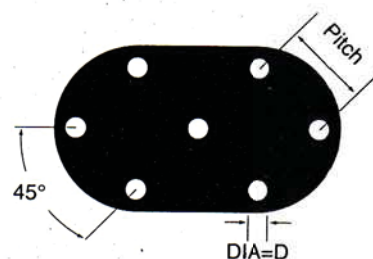
60 Deg Staggered Pitch

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



Square Pitch

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

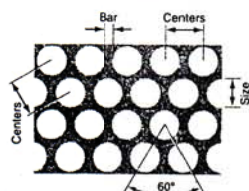


45 Deg Staggered Pitch

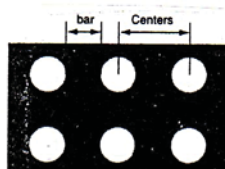
$$\begin{aligned} \% \text{ OPEN AREA} &= \frac{\pi d^2}{P^2} \times 100 \\ &= 78.54 \left(\frac{d}{p}\right)^2 \end{aligned}$$

Hole Patterns : รูปแบบของรู

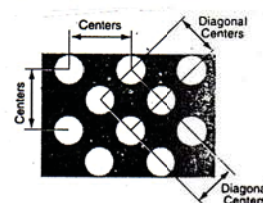
60 DEG STAGGERED ROUND HOLE



SQUARE ROUND HOLE



45 DEG STAGGERED ROUND HOLE



(Technical Information) รายละเอียดทางด้านเทคนิค

Some List Of Hole Diameters & Pitches Available

รายการของรูและระยะระหว่างจุดศูนย์กลางรู-จุดศูนย์กลางรูที่สามารถเจาะได้ (บางส่วน)

Pattern : 60 DEGREE STAGGERED

รูปแบบ : รูสลับ 60 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)

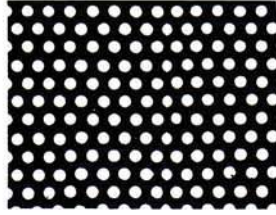
Hole Dia. (mm)	Pitch (mm)	Open Area %
1.0	2.0	22.7
1.2	2.5	20.9
1.5	2.5	32.6
1.5	3.0	22.7
2.0	3.5	29.6
2.0	4.0	22.7
2.5	5.0	22.7
3.0	4.0	51.0
3.0	4.5	40.3
3.0	5.0	32.6
3.0	6.0	22.6
3.5	5.5	36.7
4.0	6.0	40.3
4.0	7.0	29.6
4.5	7.0	37.5
5.0	8.0	35.4
6.0	9.0	40.3
6.5	9.0	47.3
6.5	11.0	31.7
8.0	13.0	34.3
9.0	13.0	43.5
9.5	14.0	41.8
10.0	13.0	53.6
10.0	14.0	46.3
11.5	16.0	46.8
12.0	18.0	40.3
13.0	18.0	47.3
16.0	22.0	47.9
16.0	23.0	43.9
19.0	26.0	48.4
22.0	28.0	55.9
22.0	30.0	48.8
23.0	30.0	53.3
25.0	32.0	55.3
25.0	36.0	43.7
26.0	34.0	53.0
28.0	36.0	54.9
30.0	38.0	56.5
32.0	40.0	58.0
40.0	50.0	58.0

Sample of Hole Sizes and Pitches Available

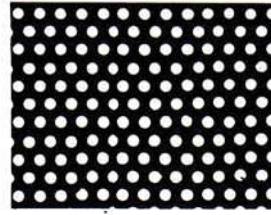
(1) 1.0 x 2.0P 23%



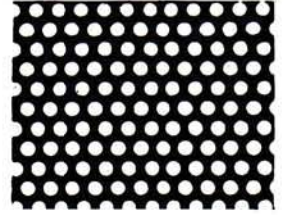
(2) 1.5 x 2.5P 32%



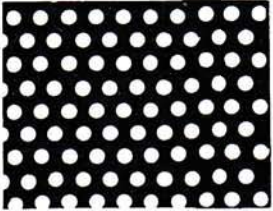
(3) 1.5 x 3.0P 23%



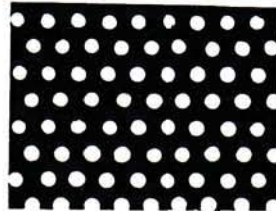
(4) 2.0 x 3.0P 40%



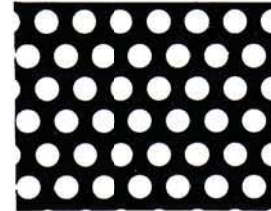
(5) 2.0 x 3.5P 30%



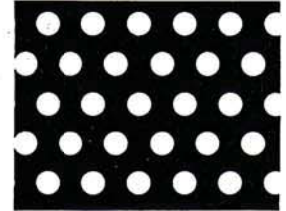
(6) 2.0 x 4.0P 23%



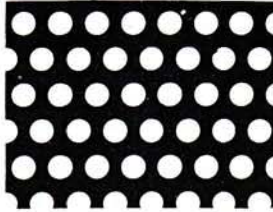
(7) 3.0 x 5.0P 33%



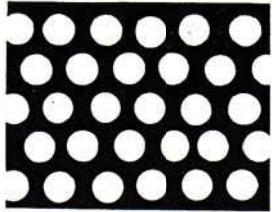
(8) 3.0 x 6.0P 23%



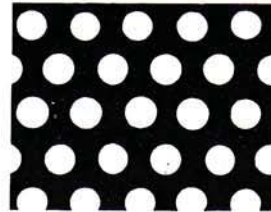
(9) 3.2 x 4.8P 39%



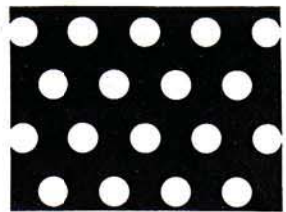
(10) 4.0 x 6.0P 40%



(11) 4.0 x 7.0P 30%



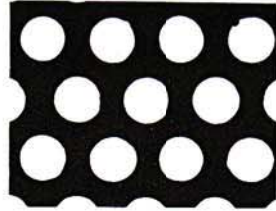
(12) 4.0 x 8.0P 23%



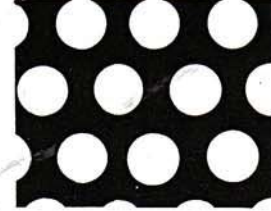
(13) 5.0 x 8.0P 35%



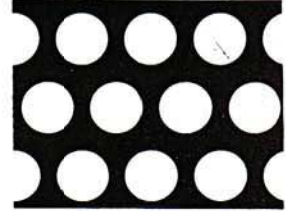
(14) 6.0 x 9.0P 40%



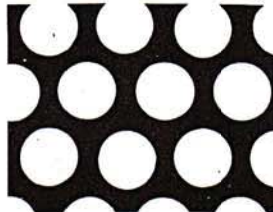
(15) 6.0 x 10P 33%



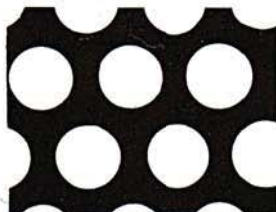
(16) 6.5 x 9.0P 47%



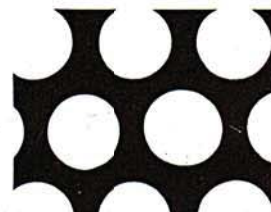
(17) 7.0 x 10P 44%



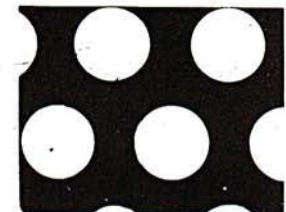
(18) 8 x 12P 40%



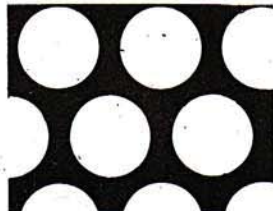
(19) 9 x 13P 43%



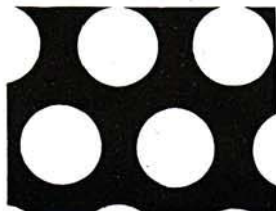
(20) 9 x 14P 37%



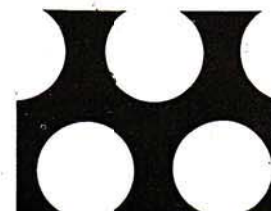
(21) 10 x 13P 53%



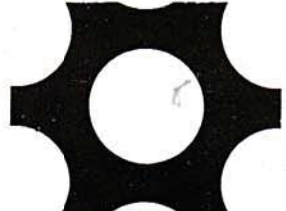
(22) 10 x 15P 40%



(23) 12 x 18P 40%



(24) 15 x 20P 50%



Pattern : 45 DEGREE STAGGERED

รูปแบบ : รูสลัป 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)

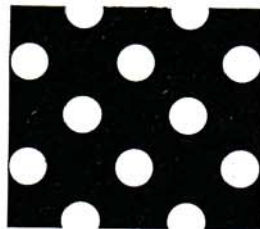
ความกว้างสูงสุดที่ผลิตได้ : 1524 มิลลิเมตร (5 ฟุต)

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

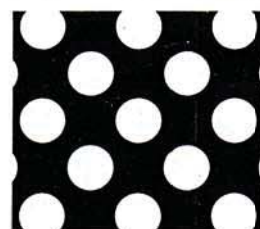
(25) 4.0x7.0P 25.6%



(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

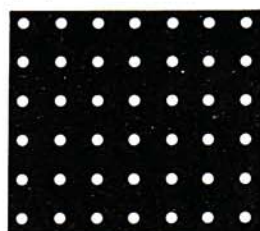
วัสดุ : เหล็กแผ่นขาว , เหล็กแผ่นดำ , สังกะสี, อลูมิเนียม, สแตนเลส หรือโลหะอื่น ๆ

MAX WIDTH : 1524 mm (5 feet)

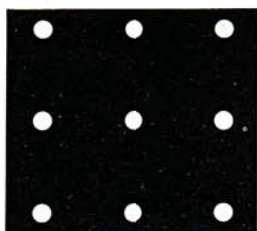
ความกว้างสูงสุดที่ผลิตได้ : 1524 มิลลิเมตร (5 ฟุต)

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

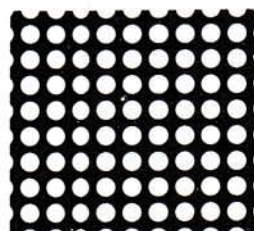
(28) 1.5 x 5.0P 7.1%



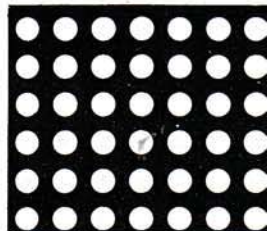
(29) 2.5 x 12.0P 3.4%



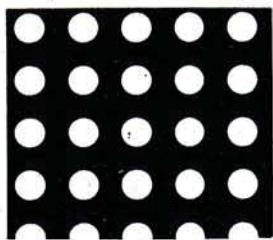
(30) 3.0 x 4.5P 34.9%



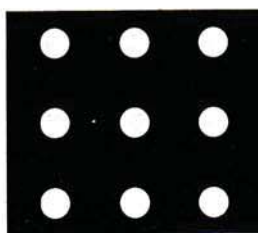
(31) 3.0 x 5.0P 28%



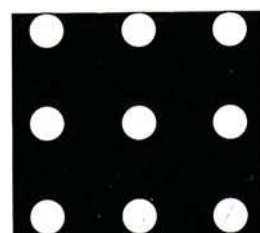
(32) 4.0 x 7.0P 26%



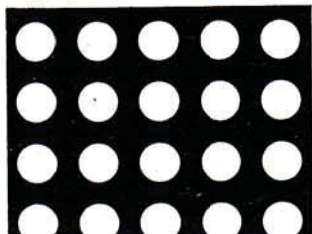
(33) 4.0 x 10.5P 11.4%



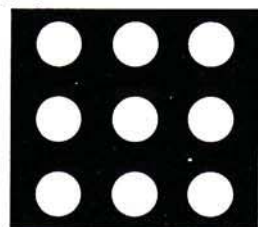
(34) 4.5 x 12.5P 10.2%



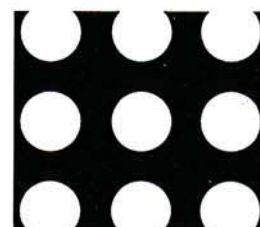
(35) 5.0 x 8.0P 30%



(36) 6.0 x 10.0P 28.3%



(37) 8.0 x 12.0P 34.9%

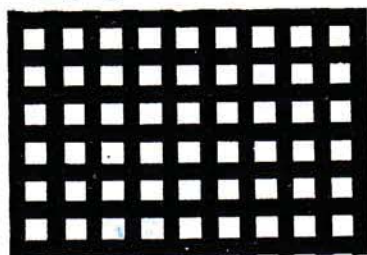


Others list of Available Hole Patterns ลวดลายและลักษณะอื่น ๆ ของรู

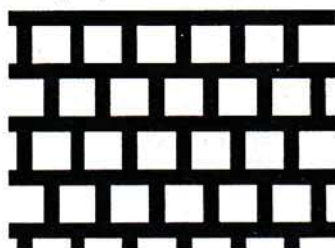
Square Hole

รูสี่เหลี่ยม

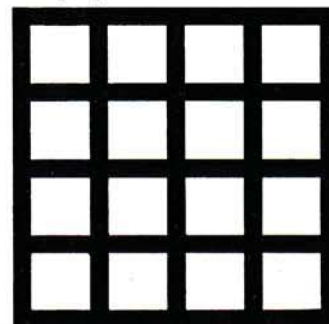
(38) 3 x 5P 36%



(39) 5 x 7P 50%

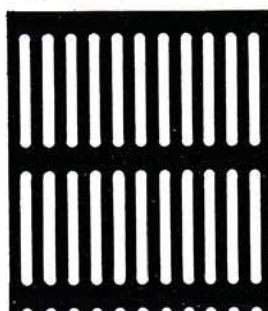


(40) 8 x 10P 64%

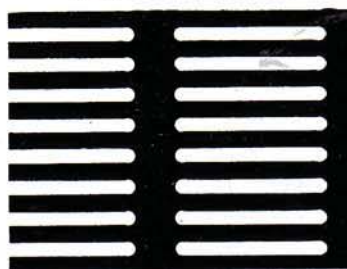


Round End Slot Straight รูยาวขอบมนลายตรง

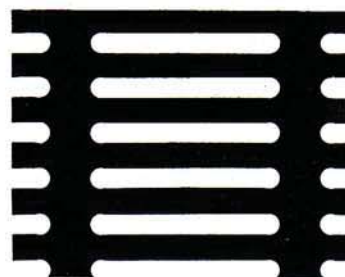
(41) 1.5 x 15 HOLE



(42) 2 x 20 HOLE

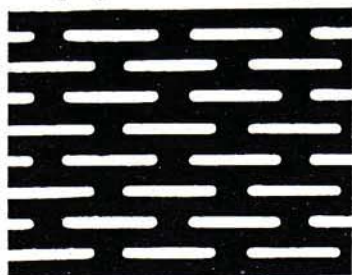


(43) 3 x 25 HOLE

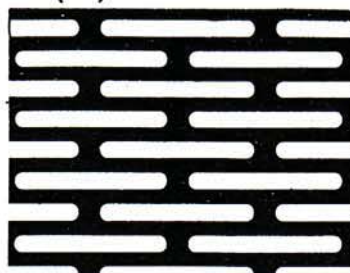


Round End Slot Side Stagger รูยาวขอบมนลายสลับ

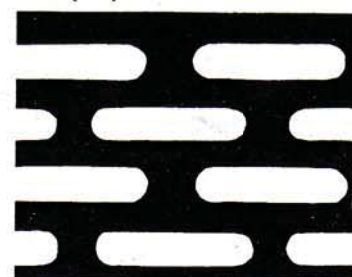
(44) 1.5 x 12 27%



(45) 2 x 20 42%

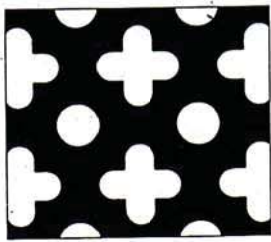


(46) 4 x 20 36%

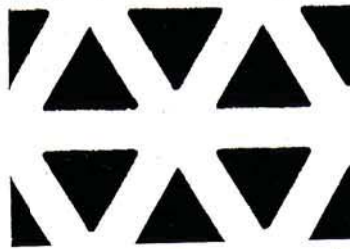


Fancy Pattern: ลวดลายพิเศษ

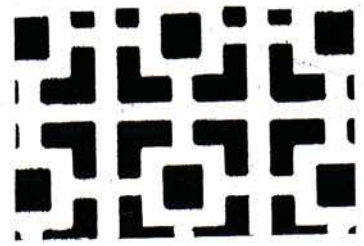
(47)



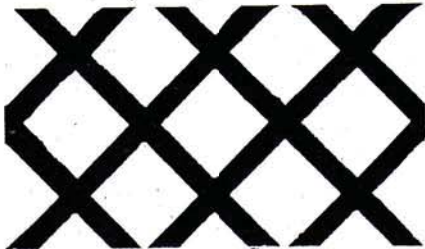
(48)



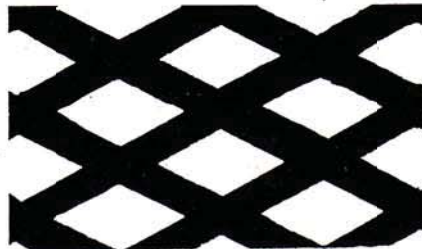
(49)



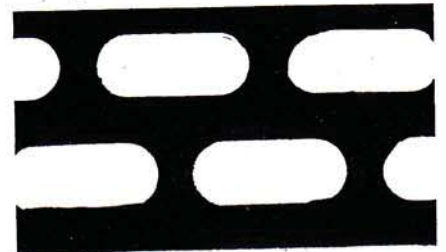
(50) 10 x 13P 59.2%



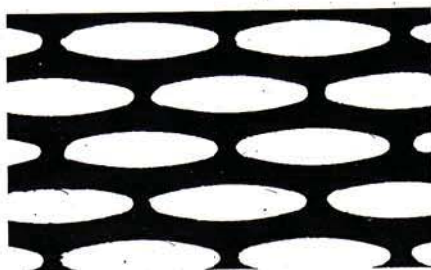
(51) 8.5 x 16.5P 40%



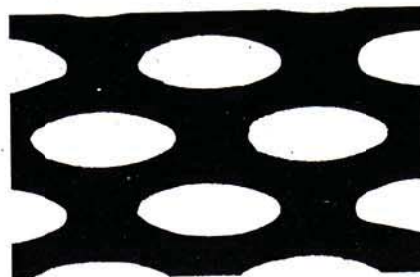
(52) 8 x 20P 42.2%



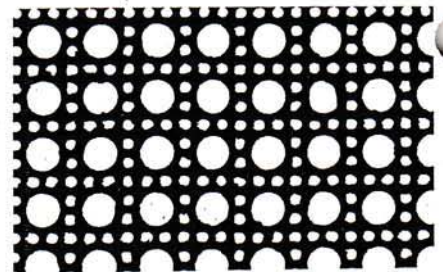
(53) 4.5 x 20 HOLE



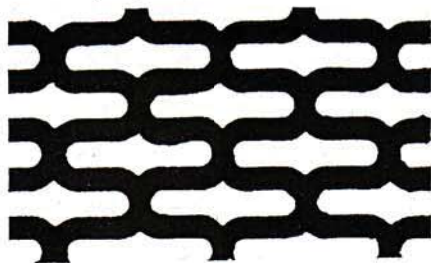
(54) 7 x 19 HOLE



(55) 44%



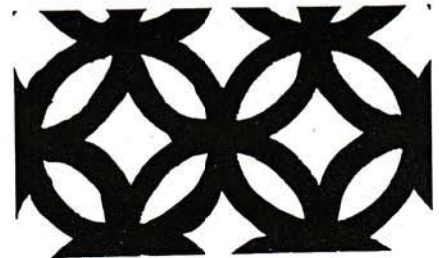
(56) 49%



(57) 76%



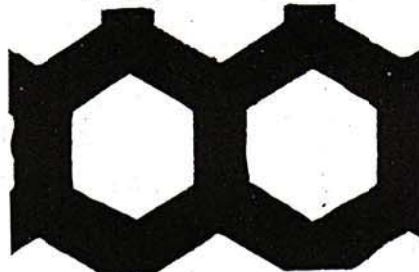
(58) 56%



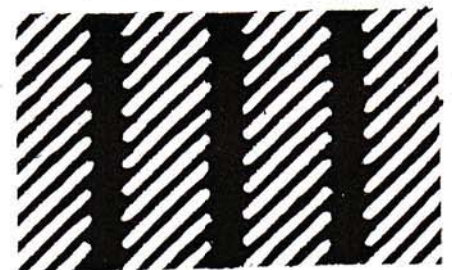
(59) 10 x 13P 50%



(60) 17 x 25P



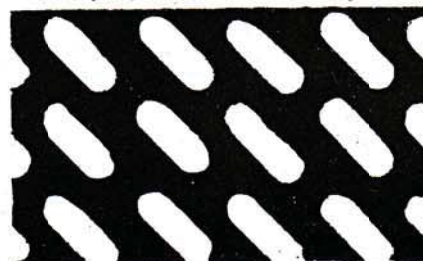
(61) 1x15 HOLE



(62) 2.5 x 12 HOLE



(63) 4 x 12 HOLE

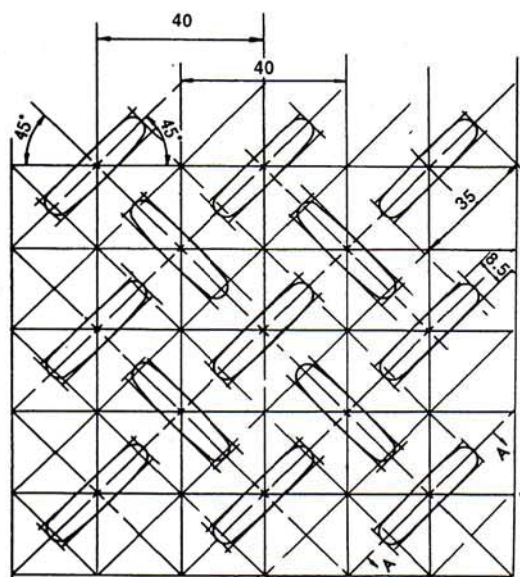


(64)

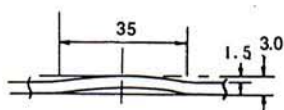


Checkered Plate Specification and Sample of Pattern :

คุณลักษณะของตะแกรงกันลื่นและตัวอย่างของรูปแบบลาย



Anti-slipage protrusion:



A-A Section

TOP VIEW DRAWING OF ANTI-SLIPPAGE
BOARD LAYOUT



Expanded Metal

