

PERFORATED METAL (SCREEN)

1. SCOPE

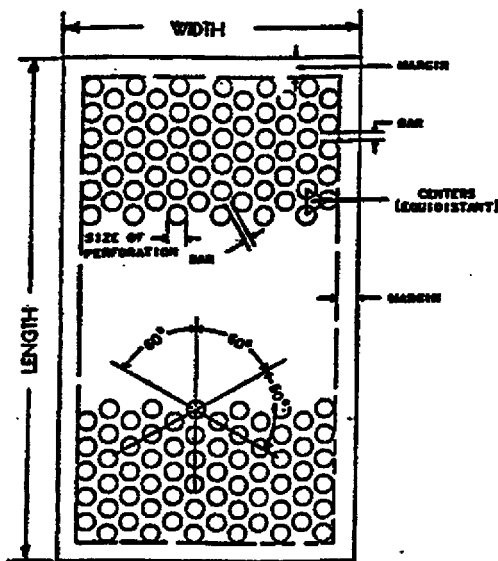
This standard is for the purpose of establishing a consistency in the determination of screen characteristics for comparison with other screens either on machines within the company or on competitive machines. There are no known industry standards or SAE, ASAE or other organizational standards on this subject.

2. CALCULATION OF PERFORATED METAL CHARACTERISTICS

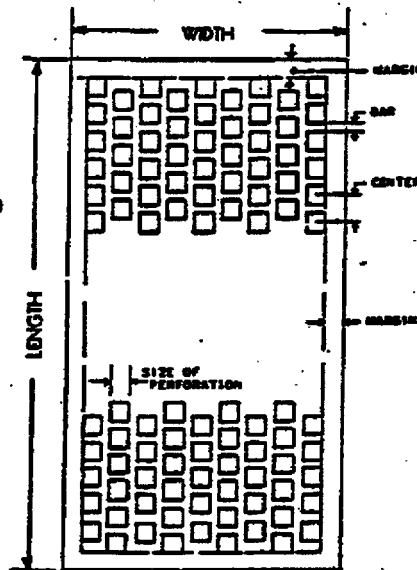
The information set forth in this standard is based on information obtained from perforated metal suppliers catalogues.

When calculating the perforated screen area or open area, always deduct the margin area first if there is a margin.

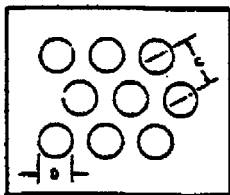
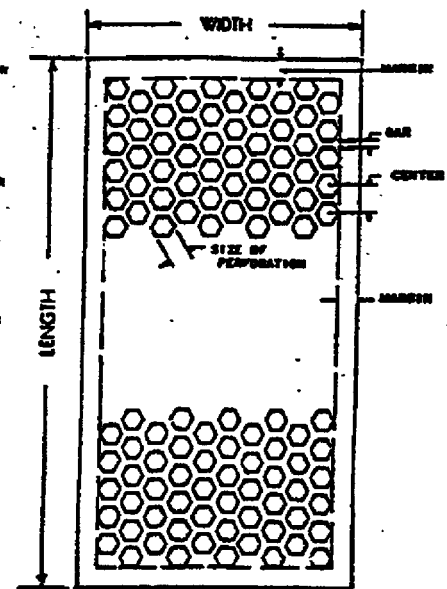
ROUND HOLES



SQUARE HOLES

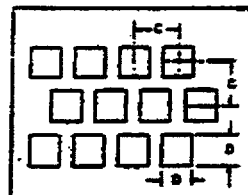


HEXAGON HOLES



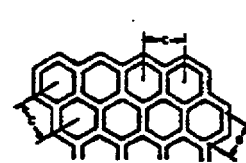
$$\text{Holes/in.}^2 = 1.155 (1/C)^2$$

$$\% \text{ Open Area} = 90.68 (D/C)^2$$



$$\text{Holes/in.}^2 = (1/C)^2$$

$$\% \text{ Open Area} = 100 (D/C)^2$$



$$\text{Holes/in.}^2 = 1.155 (1/C)^2$$

$$\% \text{ Open Area} = 100 (D/C)^2$$

					NAME	STD PERF SHEET			
					 NEW HOLLAND			ENGINEERING SPECIFICATION	
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APP.	DRAWN		BF	NOV 95					
KHH JAN 95	CHECKED							PART NUMBER	

**9842886**
Documents
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RAW MATERIALS / FERROUS MATERIALS**FNHA-2-A-103.00****3. MATERIAL****3.1 C.R.PERFORATED SHEET**

Specify:

"C.R. Sheet ASTM A366, .075 Dia. on .100 Stag
Centers, 50% open area".....R"C.R. Sheet ASTM A366, .045 Dia. on .066 in Line
Centers, 36.5% open area" R

(Gauge - .029 (22 Ga.))

3.2 ALTERNATE MATERIAL CHOICES

H.R. ASTM A569

C.R. ASTM A620

4. RELATED STANDARDS**4.1 REFERENCE STANDARDS**ASTM A366 - Specification for Steel Sheet,
Carbon, Cold Rolled, Commercial Quality.ASTM A569 - Specification for Steel, Carbon (.15
max. percent), Hot Rolled Sheet and Strip
Commercial Quality.ASTM A620 - Specification for Steel Sheet,
Carbon, Drawing Quality, Special Killed, Cold
Rolled.**4.2** This standard replaces the following
company standard:

New Holland 2.18.0

	NAME			PART NUMBER	
	STD PREF SHEET			9842886	
ENGINEERING SPECIFICATION			REV. E	FRAME 2	OF 2