

Project: American Airlines  
LAX Terminal  
Architect: Gensler  
Photo: Vladimir Paperny

## PERFORATIONS METAL CEILING SYSTEMS

SELECTION GUIDE



USG CEILINGS®  
USG CEILINGS PLUS®



Project: Juniper  
Custom Perforation  
Architect: Valerio DeWalt Train  
Photo: Matt Wargo





# PRODUCT IDENTIFICATION SYSTEM

## PRODUCT IDENTIFICATION

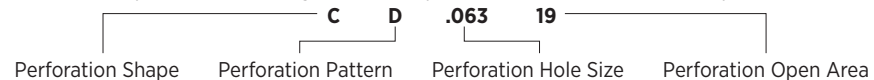
USG has a descriptive nomenclature for identifying perforations. Coding for this system consists of the following four components.

Perforation Shape	Perforation Pattern	Perforation Hole Size	Perforation Open Area
Circle	Straight 90 degree	.XXX"	.XX%
Square	Diagonal 45 degree		
Oround	Equilateral 60 degree		
Rectangle			

### EXAMPLE A:

#### CD06319

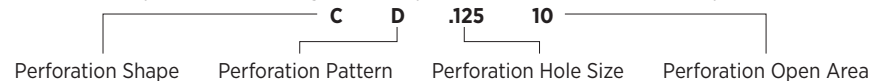
Circle perforation, 45 degrees, .0625" perforation diameter, with 19% open area.



### EXAMPLE B:

#### CD12510

Circle perforation, 45 degrees, .125" perforation diameter, with 10% open area.



## CIRCULAR<sup>2</sup> PERFORATIONS

Pattern Number <sup>4</sup>	Perforation Pattern Description	Open Area % <sup>1</sup>	NRC <sup>7</sup>	Previous Pattern
CS03002 <sup>5</sup>	Circle — 90 degrees — .030"	2%	0.50	C030
CS04002 <sup>5</sup>	Circle — 90 degrees — .040"	2.2%	0.45-0.50 <sup>8</sup>	SD-5
CS04003 <sup>5</sup>	Circle — 90 degrees — .040"	3%	0.55	C040
CD04004 <sup>56</sup>	Circle — 45 degrees — .040"	4.4%	0.60	SD-6
CS05003 <sup>56</sup>	Circle — 90 degrees — .050"	3.1%	0.55	SD-3
CD05006 <sup>56</sup>	Circle — 45 degrees — .050"	6.3%	0.70	SD-2
CS06302	Circle — 90 degrees — .0625"	2.5%	0.45-0.50 <sup>8</sup>	C062
CS06303 <sup>36</sup>	Circle — 90 degrees — .0625"	3%	0.50	SD-21
CD06305 <sup>36</sup>	Circle — 45 degrees — .0625"	5%	0.65	A062A
CD06305NB	Circle — 45 degrees — .0625" (no border)	5%	0.65	A062
CD06310 <sup>36</sup>	Circle — 45 degrees — .0625"	10%	0.70	SD-7
CS06310 <sup>6</sup>	Circle — 90 degrees — .0625"	10%	0.65-0.70 <sup>8</sup>	C062B
CD06312	Circle — 45 degrees — .0625"	12%	0.55-0.60 <sup>8</sup>	A062F
CD06319 <sup>36</sup>	Circle — 45 degrees — .0625"	19%	0.75-0.80 <sup>8</sup>	A062D
CE07814 <sup>36</sup>	Circle — 60 degrees — .078"	14%	0.75	SD-8
CS07814 <sup>36</sup>	Circle — 90 degrees — .078"	14%	0.70-0.75 <sup>8</sup>	SD-9
CE07906	Circle — 60 degrees — .079"	6%	0.60-0.65 <sup>8</sup>	B079
CS09405 <sup>6</sup>	Circle — 90 degrees — .094"	5%	0.75	SD-15
CD09410 <sup>6</sup>	Circle — 45 degrees — .094"	10%	0.75	SD-11
CS09420 <sup>6</sup>	Circle — 90 degrees — .094"	20%	0.75-0.80 <sup>8</sup>	SD-12
CE09420	Circle — 60 degrees — .094"	20%	0.75-0.80 <sup>8</sup>	SD-10
CS11708 <sup>6</sup>	Circle — 90 degrees — .1165"	8%	0.65-0.70 <sup>8</sup>	C116
CD11717 <sup>36</sup>	Circle — 45 degrees — .1165"	17%	0.70	A116
CS12505 <sup>6</sup>	Circle — 90 degrees — .125"	5%	0.60-0.65 <sup>8</sup>	ST-14
CD12510 <sup>6</sup>	Circle — 45 degrees — .125"	10%	0.65-0.70 <sup>8</sup>	SD-17
CE12510 <sup>6</sup>	Circle — 60 degrees — .125"	10%	0.65-0.70 <sup>8</sup>	B125
CE12520 <sup>6</sup>	Circle — 60 degrees — .125"	20%	0.75-0.80 <sup>8</sup>	SD-13

### Notes

- Open area % does not have a direct correlation to NRC Value.
- Custom and embossed perforation patterns available. Contact your USG Sales Rep.
- Frequently requested perforation.
- Perforation border size is dependent on panel type, panel size, perforation pattern and available punch tooling. Contact your USG Sales Rep. for details. Illusions panels can be borderless. **CD06305NB** can be used borderless with all panels.
- Perforation may be limited due to material thickness.
- Perforation illustration on following pages.
- NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
- NRC range estimated based on testing of panels with similar perforation pattern.

## METAL PERFORATIONS

Pattern Number <sup>4</sup>	Perforation Pattern Description	Open Area % <sup>1</sup>	NRC <sup>7</sup>	Previous Pattern
<b>CS12520<sup>6</sup></b>	Circle — 90 degrees — .125"	20%	0.75-0.80 <sup>8</sup>	ST-13
<b>CS18801<sup>6</sup></b>	Circle — 90 degrees — .188"	1%	0.40-0.45 <sup>8</sup>	C188
<b>CD18803</b>	Circle — 45 degrees — .188"	3%	0.45-0.50 <sup>8</sup>	A188
<b>CS18806</b>	Circle — 90 degrees — .188"	6%	0.60-0.65 <sup>8</sup>	SD-19
<b>CE18820<sup>6</sup></b>	Circle — 60 degrees — .188"	20%	0.80	SD-14
<b>CS18820</b>	Circle — 90 degrees — .188"	20%	0.75-0.80 <sup>8</sup>	SD-16
<b>CE18833</b>	Circle — 60 degrees — .188"	33%	0.75-0.80 <sup>8</sup>	B188A
<b>CD18839<sup>6</sup></b>	Circle — 45 degrees — .188"	39%	0.75-0.80 <sup>8</sup>	SD-20/A188C
<b>CE19735</b>	Circle — 60 degrees — .197"	35%	0.75-0.80 <sup>8</sup>	B197
<b>CS20106</b>	Circle — 90 degrees — .201"	6%	0.60-0.65 <sup>8</sup>	SD-25
<b>CS20123</b>	Circle — 90 degrees — .201"	23%	0.75-0.80 <sup>8</sup>	SD-26
<b>CS25012<sup>6</sup></b>	Circle — 90 degrees — .250"	12%	0.65-0.70 <sup>8</sup>	C250A
<b>CS25020<sup>6</sup></b>	Circle — 90 degrees — .250"	20%	0.75	ST-20
<b>CE25030<sup>6</sup></b>	Circle — 60 degrees — .250"	30%	0.75-0.80 <sup>8</sup>	B250
<b>CD25039<sup>36</sup></b>	Circle — 45 degrees — .250"	39%	0.75-0.80 <sup>8</sup>	SD-18/A250
<b>CE25058<sup>6</sup></b>	Circle — 60 degrees — .250"	58%	0.75-0.80 <sup>8</sup>	B250H
<b>CE31246</b>	Circle — 60 degrees — .312"	46%	0.75-0.80 <sup>8</sup>	B312
<b>CS37507<sup>6</sup></b>	Circle — 90 degrees — .375"	7%	0.60-0.65 <sup>8</sup>	LT-29
<b>CS37509</b>	Circle — 90 degrees — .375"	9%	0.60-0.65 <sup>8</sup>	C375
<b>CD37515<sup>6</sup></b>	Circle — 45 degrees — .375"	15%	0.65-0.70 <sup>8</sup>	LT-27
<b>CS37520<sup>6</sup></b>	Circle — 90 degrees — .375"	20%	0.70-0.75 <sup>8</sup>	LT-28
<b>CE37533<sup>6</sup></b>	Circle — 60 degrees — .375"	33%	0.75-0.80 <sup>8</sup>	LT-25
<b>CD37539</b>	Circle — 45 degrees — .375"	39%	0.75-0.80 <sup>8</sup>	LT-26
<b>CS50009<sup>6</sup></b>	Circle — 90 degrees — .500"	9%	0.60-0.65 <sup>8</sup>	C500
<b>CS50020<sup>6</sup></b>	Circle — 90 degrees — .500"	20%	0.70-0.75 <sup>8</sup>	LT-30
<b>CE50020<sup>6</sup></b>	Circle — 60 degrees — .500"	20%	0.70-0.75 <sup>8</sup>	LT-31
<b>CD50039<sup>6</sup></b>	Circle — 45 degrees — .500"	39%	0.75-0.80 <sup>8</sup>	LT-33
<b>CD50055</b>	Circle — 45 degrees — .500"	55%	0.75-0.80 <sup>8</sup>	A500
<b>CE50063<sup>6</sup></b>	Circle — 60 degrees — .500"	63%	0.75-0.80 <sup>8</sup>	B500
<b>CS62520</b>	Circle — 90 degrees — .625"	20%	0.70-0.75 <sup>8</sup>	ST-40
<b>CD62540</b>	Circle — 45 degrees — .625"	40%	0.75-0.80 <sup>8</sup>	ST-41
<b>CS75028<sup>6</sup></b>	Circle — 90 degrees — .750"	28%	0.75-0.80 <sup>8</sup>	LT-34
<b>CS125031<sup>6</sup></b>	Circle — 90 degrees — 1.250"	31%	0.75-0.80 <sup>8</sup>	ST-26
<b>CE125031</b>	Circle — 60 degrees — 1.250"	31%	0.75-0.80 <sup>8</sup>	ST-27

### Notes

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3. Frequently requested perforation.
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5. Perforation may be limited due to material thickness.
6. Perforation illustration on following pages.
7. NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
8. NRC range estimated based on testing of panels with similar perforation pattern.

# METAL PERFORATIONS

## SQUARE<sup>2</sup> PERFORATIONS

Pattern Number <sup>4</sup>	Perforation Pattern Description	Open Area % <sup>1</sup>	NRC <sup>7</sup>	Previous Pattern
<b>SS18814<sup>6</sup></b>	Square — 90 degrees — .188"	14%	0.65-0.70 <sup>8</sup>	ST-21
<b>SS25011<sup>56</sup></b>	Square — 90 degrees — .250"	11%	0.65-0.70 <sup>8</sup>	D250
<b>SS25025<sup>6</sup></b>	Square — 90 degrees — .250"	25%	0.75-0.80 <sup>8</sup>	ST-22
<b>SS37511</b>	Square — 90 degrees — .375"	11%	0.65-0.70 <sup>8</sup>	D375
<b>SS39415<sup>6</sup></b>	Square — 90 degrees — .394"	15%	0.65-0.70 <sup>8</sup>	LT-20
<b>SS39460<sup>5</sup></b>	Square — 90 degrees — .394"	60%	0.75-0.80 <sup>8</sup>	LT-21
<b>SS41334</b>	Square — 90 degrees — .413"	34%	0.75-0.80 <sup>8</sup>	LT-22
<b>SS50011<sup>6</sup></b>	Square — 90 degrees — .500"	11%	0.65-0.70 <sup>8</sup>	D500
<b>SS50025<sup>6</sup></b>	Square — 90 degrees — .500"	25%	0.75-0.80 <sup>8</sup>	LT-32
<b>SS50070<sup>6</sup></b>	Square — 90 degrees — .500"	70%	0.75-0.80 <sup>8</sup>	D500D
<b>SS75036</b>	Square — 90 degrees — .750"	36%	0.75-0.80 <sup>8</sup>	LT-36

## OBROUND<sup>2</sup> PERFORATIONS

<b>OS06317<sup>6</sup></b>	Obround — 90 degrees — .0625"	17%	0.70-0.75 <sup>8</sup>	OB-14
<b>OS06333<sup>6</sup></b>	Obround — 90 degrees — .0625"	33%	0.75-0.80 <sup>8</sup>	OB-15
<b>OS09420</b>	Obround — 90 degrees — .094"	20%	0.75-0.80 <sup>8</sup>	OB-8
<b>OS12523<sup>6</sup></b>	Obround — 90 degrees — .125"	23%	0.80	OB-10
<b>OS12537<sup>6</sup></b>	Obround — 90 degrees — .125"	37%	0.75-0.80 <sup>8</sup>	OB-20
<b>OS18827<sup>6</sup></b>	Obround — 90 degrees — .188"	27%	0.75-0.80 <sup>8</sup>	OB-18
<b>OD18827<sup>6</sup></b>	Obround — 45 degrees — .188"	27%	0.75	OB-19

## RECTANGULAR PERFORATIONS

<b>RS12518<sup>6</sup></b>	Rectangle — 90 degrees — .125"	18%	0.70-0.75 <sup>8</sup>	LT-39
<b>RS12527<sup>6</sup></b>	Rectangle — 90 degrees — .125"	27%	0.75	LT-40
<b>RS15657<sup>6</sup></b>	Rectangle — 90 degrees — .156"	57%	0.75-0.80 <sup>8</sup>	LT-44
<b>RS25021<sup>6</sup></b>	Rectangle — 90 degrees — .250"	21%	0.75-0.80 <sup>8</sup>	LT-42
<b>RS25041<sup>6</sup></b>	Rectangle — 90 degrees — .250"	41%	0.75-0.80 <sup>8</sup>	LT-43

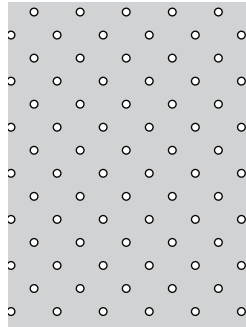
### Notes

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8. NRC range estimated based on testing of panels with similar perforation pattern.

# METAL PERFORATIONS

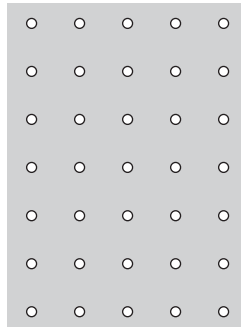
## CIRCULAR<sup>2</sup> PERFORATIONS

Pattern No. CD04004



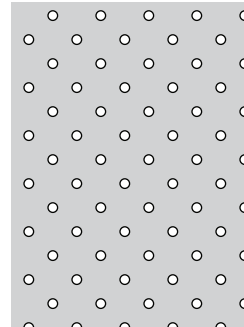
Circle— 45 degrees—.040"  
4.4% open area (SD-6)

Pattern No. CS05003



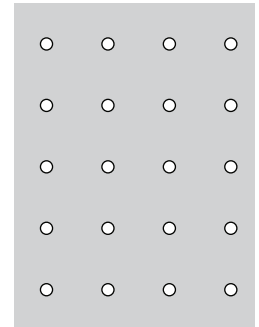
Circle— 90 degrees—.050"  
3.1% open area (SD-3)

Pattern No. CD05006



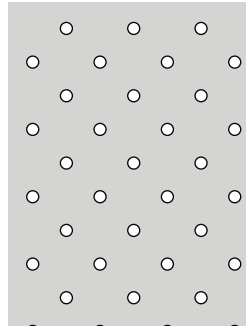
Circle— 45 degrees—.050"  
6.3% open area (SD-2)

Pattern No. CS06303



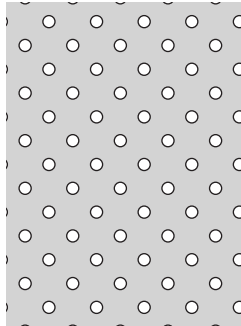
Circle— 90 degrees—.0625"  
3% open area (SD-21)

Pattern No. CD06305/CD06305NB



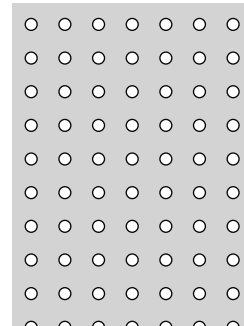
Circle— 45 degrees—.0625"  
5% open area (A062A/A062)

Pattern No. CD06310



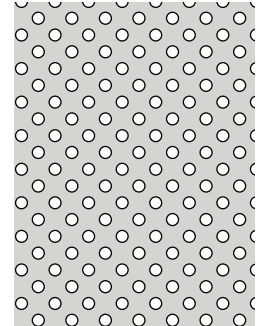
Circle— 45 degrees—.0625"  
10% open area (SD-7)

Pattern No. CS06310



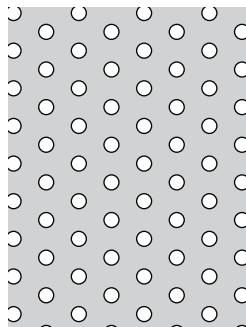
Circle— 90 degrees—.0625"  
10% open area (C062A)

Pattern No. CD06319



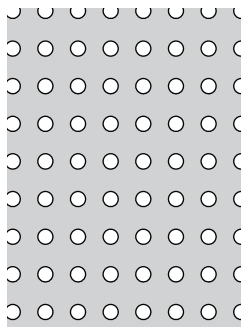
Circle— 45 degrees—.0625"  
19% open area (A062D)

Pattern No. CE07814



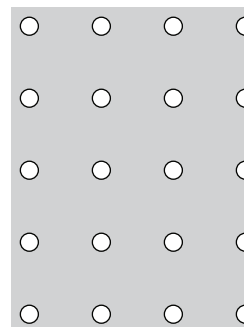
Circle— 60 degrees—.078"  
14% open area (SD-8)

Pattern No. CS07814



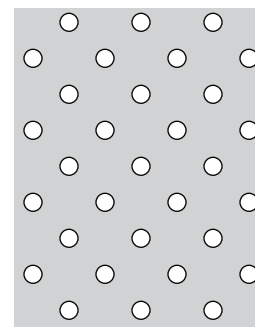
Circle— 90 degrees—.078"  
14% open area (SD-9)

Pattern No. CS09405



Circle— 90 degrees—.094"  
5% open area (SD-15)

Pattern No. CD09410



Circle— 45 degrees—.094"  
10% open area (SD-11)

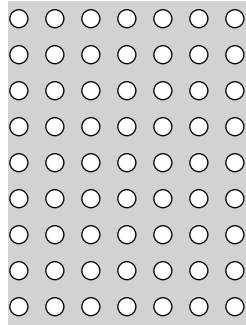
### Notes

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## CIRCULAR<sup>2</sup> PERFORATIONS

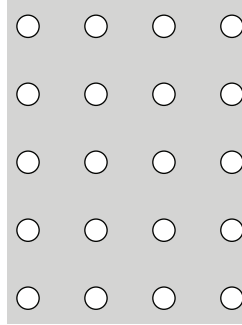
# METAL PERFORATIONS

Pattern No. CS09420



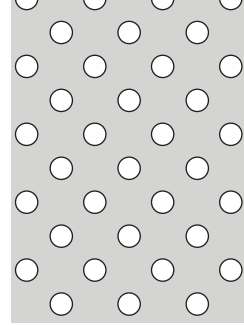
Circle— 90 degrees—.094"  
20% open area (SD-12)

Pattern No. CS11708



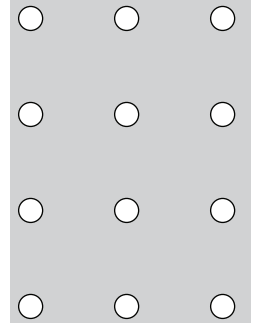
Circle— 90 degrees—.1165"  
8% open area (C116)

Pattern No. CD11717



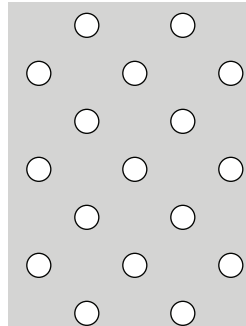
Circle— 45 degrees—.1165"  
17% open area (A116)

Pattern No. CS12505



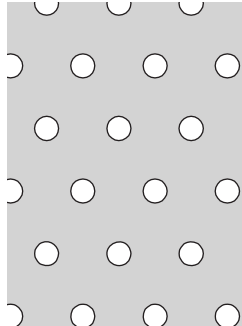
Circle— 90 degrees—.125"  
5% open area (ST-14)

Pattern No. CD12510



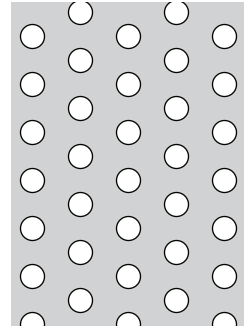
Circle— 45 degrees—.125"  
10% open area (SD-17)

Pattern No. CE12510



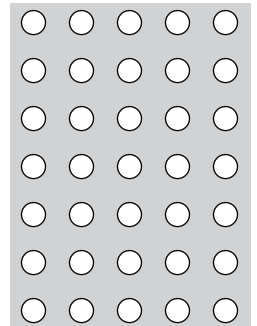
Circle— 60 degrees—.125"  
10% open area (B125)

Pattern No. CE12520



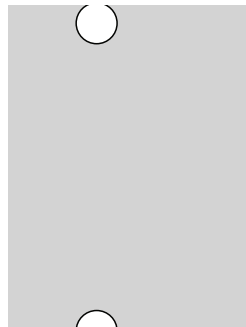
Circle— 60 degrees—.125"  
20% open area (SD-13)

Pattern No. CS12520



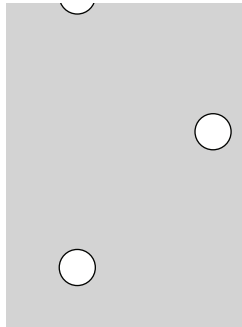
Circle— 90 degrees—.125"  
20% open area (ST-13)

Pattern No. CS18801



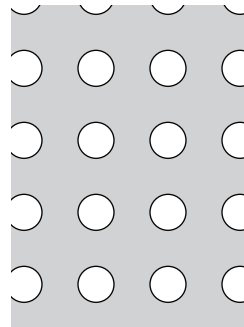
Circle— 90 degrees—.188"  
1% open area (C188)

Pattern No. CD18803



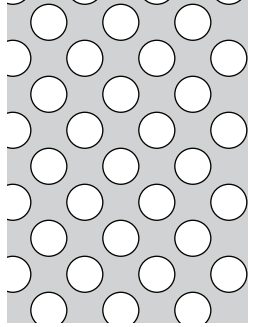
Circle— 45 degrees—.188"  
3% open area (A188)

Pattern No. CS18820



Circle— 90 degrees—.188"  
20% open area (SD-16)

Pattern No. CD18839



Circle— 45 degrees—.188"  
39% open area (SD-20)

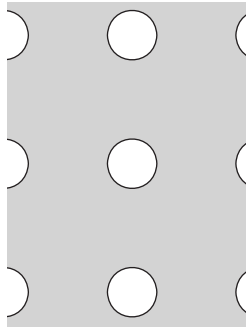
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5. Perforation may be limited due to material thickness.
6. Perforation illustration on following pages.
7. NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
8. NRC range estimated based on testing of panels with similar perforation pattern.

## CIRCULAR<sup>2</sup> PERFORATIONS

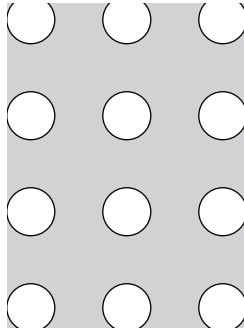
# METAL PERFORATIONS

Pattern No. CS25012



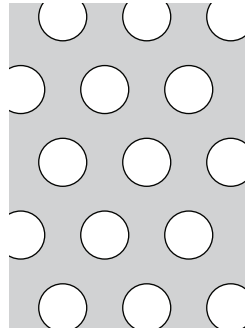
Circle— 90 degrees—.250"  
12% open area (C250A)

Pattern No. CS25020



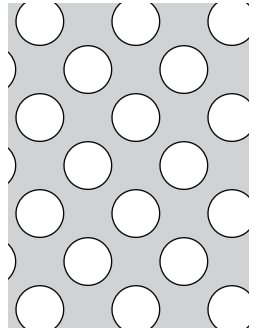
Circle— 90 degrees—.250"  
20% open area (ST-20)

Pattern No. CE25030



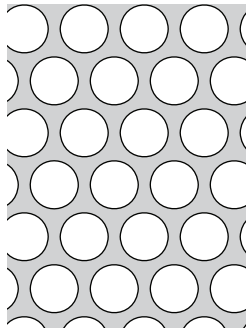
Circle— 60 degrees—.250"  
30% open area (B250)

Pattern No. CD25039



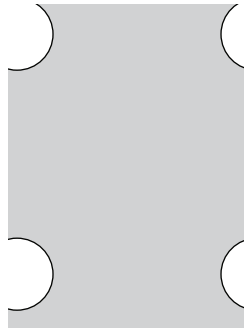
Circle— 45 degrees—.250"  
39% open area (SD-18)

Pattern No. CE25058



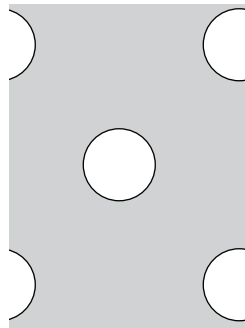
Circle— 60 degrees—.250"  
58% open area (B250H)

Pattern No. CS37507



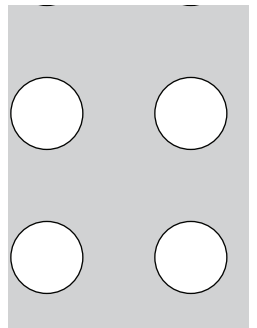
Circle— 90 degrees—.375"  
7% open area (LT-29)

Pattern No. CD37515



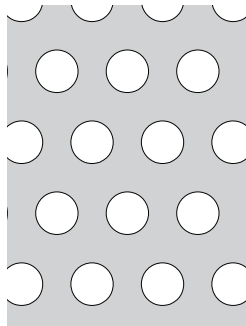
Circle— 45 degrees—.0375"  
15% open area (LT-27)

Pattern No. CS37520



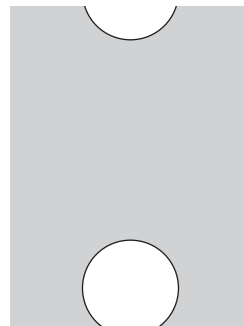
Circle— 90 degrees—.375"  
20% open area (LT-18)

Pattern No. CE37533



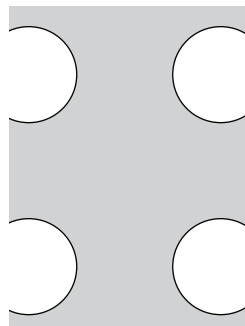
Circle— 60 degrees—.375"  
33% open area (LT-25)

Pattern No. CS50009



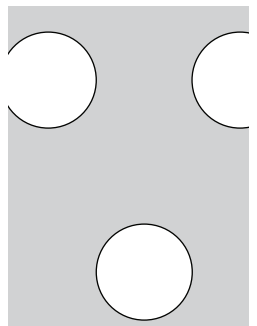
Circle— 90 degrees—.500"  
9% open area (C500)

Pattern No. CS50020



Circle— 90 degrees—.500"  
20% open area (LT-30)

Pattern No. CE50020



Circle— 60 degrees—.500"  
20% open area (LT-31)

### Notes

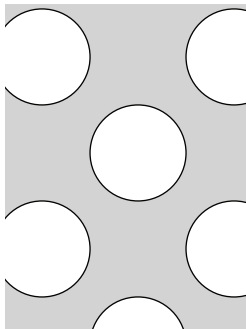
1. Open area % does not have a direct correlation to NRC Value.
2. Custom and embossed perforation patterns available. Contact your USG Sales Rep.
3. Frequently requested perforation.
4. Perforation border size is dependent on panel type, panel size, perforation pattern and available punch tooling. Contact your USG Sales Rep. for details. Illusions panels can be borderless. **CD06305NB** can be used borderless with all panels.
5. Perforation may be limited due to material thickness.
6. Perforation illustration on following pages.
7. NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
8. NRC range estimated based on testing of panels with similar perforation pattern.



# METAL PERFORATIONS

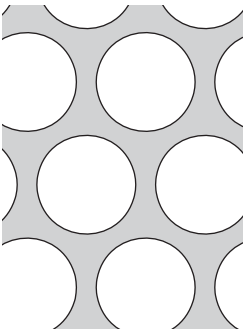
## CIRCULAR PERFORATIONS

Pattern No. CD50039



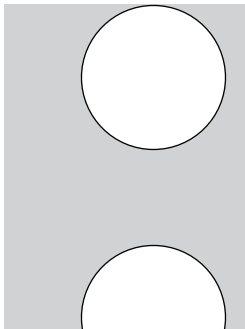
Circle— 45 degrees—.500"  
39% open area (LT-33)

Pattern No. CE50063



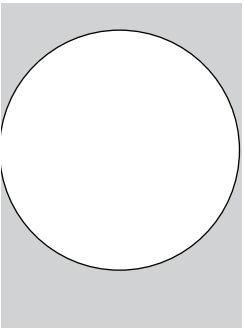
Circle— 60 degrees—.500"  
63% open area (B500)

Pattern No. CS75028



Circle— 90 degrees—.7250"  
28% open area (LT-34)

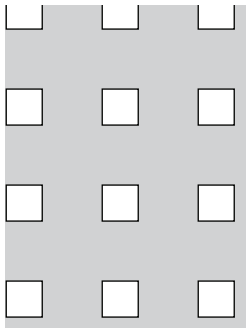
Pattern No. CS125031



Circle— 90 degrees—1.250"  
55% open area (ST-26)

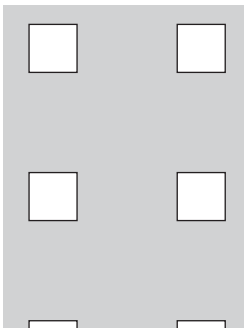
## SQUARE PERFORATIONS

Pattern No. SS18814



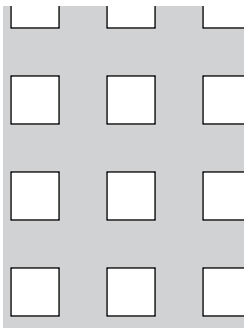
Square— 90 degrees—.188"  
14% open area (ST-21)

Pattern No. SS25011



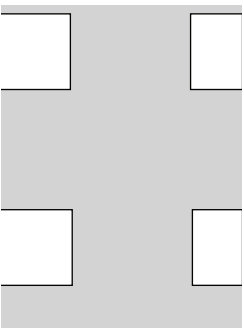
Square— 90 degrees—.250"  
11% open area (D250)

Pattern No. SS25025



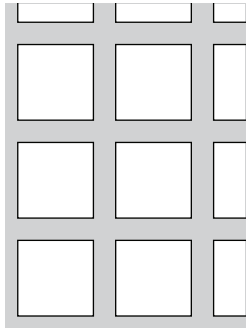
Square— 90 degrees—.250"  
25% open area (ST-22)

Pattern No. SS39415



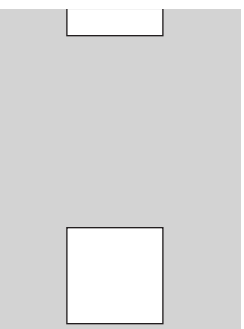
Square— 90 degrees—.394"  
15% open area (LT-20)

Pattern No. SS39460



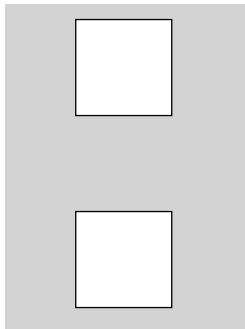
Square— 90 degrees—.394"  
60% open area (LT-21)

Pattern No. SS50011



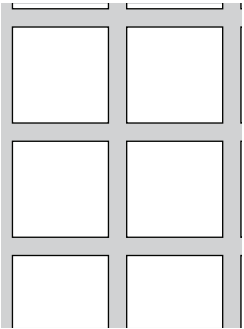
Square— 90 degrees—.500"  
11% open area (D500)

Pattern No. SS50025



Square— 90 degrees—.500"  
25% open area (LT-32)

Pattern No. SS50070



Square— 90 degrees—.500"  
70% open area (D500D)

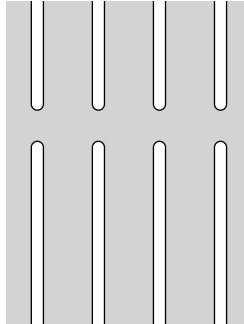
### Notes

1. Open area % does not have a direct correlation to NRC Value.
2. Custom and embossed perforation patterns available. Contact your USG Sales Rep.
3. Frequently requested perforation.
4. Perforation border size is dependent on panel type, panel size, perforation pattern and available punch tooling. Contact your USG Sales Rep. for details. Illusions panels can be borderless. **CD06305NB** can be used borderless with all panels.
5. Perforation may be limited due to material thickness.
6. Perforation illustration on following pages.
7. NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
8. NRC range estimated based on testing of panels with similar perforation pattern.

# METAL PERFORATIONS

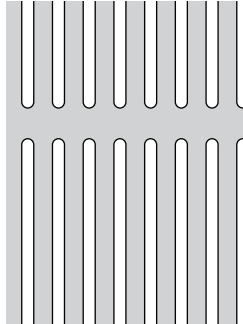
## OBROUND PERFORATIONS

Pattern No. OS06317



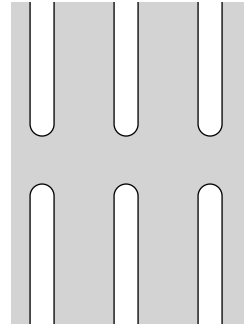
Obround— 90 degrees— .0625"  
17% open area (OB-14)

Pattern No. OS06333



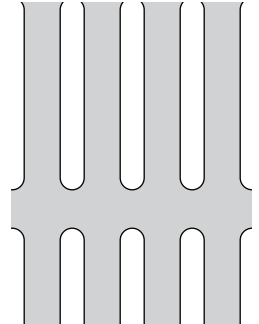
Obround— 90 degrees— .0625"  
33% open area (OB-15)

Pattern No. OS12523



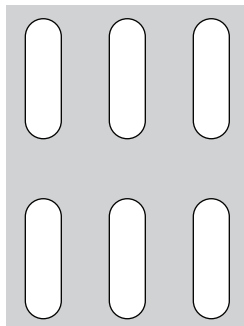
Obround— 90 degrees— .125"  
23% open area (OB-10)

Pattern No. OS12537



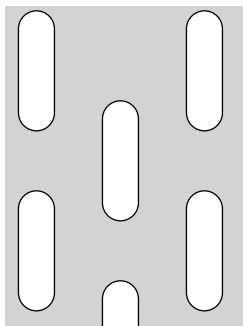
Obround— 90 degrees— .125"  
37% open area (OB-20)

Pattern No. OS18827



Obround— 90 degrees— .188"  
27% open area (OB-18)

Pattern No. OD18827



Obround— 45 degrees— .188"  
27% open area (OB-19)

### Notes

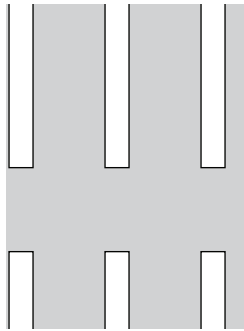
1. Open area % does not have a direct correlation to NRC Value.
2. Custom and embossed perforation patterns available. Contact your USG Sales Rep.
3. Frequently requested perforation.
4. Perforation border size is dependent on panel type, panel size, perforation pattern and available punch tooling. Contact your USG Sales Rep. for details. Illusions panels can be borderless. **CD06305NB** can be used borderless with all panels.
5. Perforation may be limited due to material thickness.
6. Perforation illustration on following pages.
7. NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
8. NRC range estimated based on testing of panels with similar perforation pattern.



## RECTANGULAR PERFORATIONS

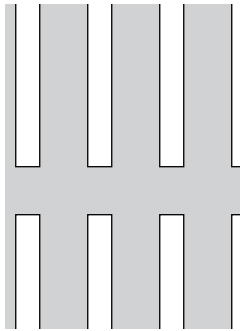
# METAL PERFORATIONS

Pattern No. RS12518



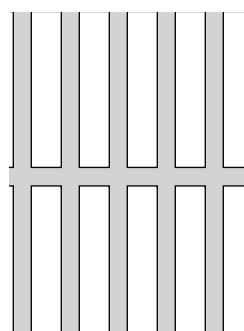
Rectangle— 90 degrees—.125"  
18% open area (LT-39)

Pattern No. RS12527



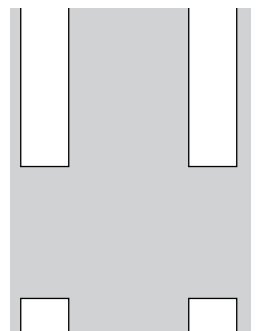
Rectangle— 90 degrees—.125"  
27% open area (LT-40)

Pattern No. RS15657



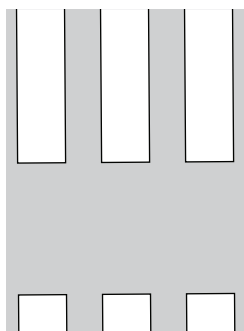
Rectangle— 90 degrees—.156"  
57% open area (LT-44)

Pattern No. RS25021



Rectangle— 90 degrees—.250"  
21% open area (LT-42)

Pattern No. RS25041



Rectangle— 90 degrees—.250"  
41% open area (LT-43)

### Notes

1. Open area % does not have a direct correlation to NRC Value.
2. Custom and embossed perforation patterns available. Contact your USG Sales Rep.
3. Frequently requested perforation.
4. Perforation border size is dependent on panel type, panel size, perforation pattern and available punch tooling. Contact your USG Sales Rep. for details. Illusions panels can be borderless. **CD06305NB** can be used borderless with all panels.
5. Perforation may be limited due to material thickness.
6. Perforation illustration on following pages.
7. NRC values for perforated panels with Acoustibond™ backer tested in accordance with ASTM C423 in type E400 mounting, as described in ASTM E795. Higher NRC values may be achieved with additional acoustical infill, contact your USG Sales Rep.
8. NRC range estimated based on testing of panels with similar perforation pattern.

## METAL PERFORATIONS BY PRODUCT

Current	Previous	Curvatura™		Celebration™ and Panz®										Geometrix®	Paraline® Plus			Paraline® Baffles	
		2'x2'	2'x6'	2'x2'	30"x30"	4'x4'	1'x4'	1'x5'	20"x60"	2'x4'	2'x6'	2'x8'	30"x60"	2'x2'	3"x14"	7"x14"	11"x14"	1.5"x4"	1.5"x6"
CS03002	C030	■	■	■			■	■	■	■				■	■	■		■	■
CS04002	SD-5																		
CS04003	C040	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CD04004	SD-6																		
CS05003	SD-3																		
CD05006	SD-2			■	■	■	■	■											
CS06302	C062	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CS06303	SD-21																		
CD06305	A062A	■	■	■	■	■	■	■	■	■	■	■	■	■ <sup>1</sup>	■	■	■	■	■
CD06305NB	A062	■	■	■	■		■	■	■	■	■	■	■					■	■
CD06310	SD-7			■	■	■	■	■							■	■	■	■	■
CS06310	C062B	■	■	■	■		■	■	■	■	■		■		■	■	■	■	■
CD06312	A062F	■	■	■	■		■	■	■	■	■		■		■	■	■	■	■
CD06319	A062D	■	■	■	■		■	■	■	■	■		■		■	■	■	■	■
CE07814	SD-8																		
CS07814	SD-9																		
CE07906	B079	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
CS09405	SD-15																		
CD09410	SD-11																		
CS09420	SD-12																		
CE09420	SD-10																		
CS11708	C116	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
CD11717	A116	■	■	■	■		■	■	■	■	■		■		■	■	■	■	■
CS12505	ST-14																		
CD12510	SD-17																		
CE12510	B125	■	■	■	■		■	■	■	■	■		■		■	■	■	■	■
CE12520	SD-13																		
CS12520	ST-13																		
CS18801	C188	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
CD18803	A188	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
CS18806	SD-19																		
CE18820	SD-14																		
CS18820	SD-16																		
CE18833	B188A	■	■	■	■		■	■	■	■	■		■						
CD18839	SD-20/A188C																		
CE19735	B197	■	■	■	■		■	■	■	■	■		■						
CS20106	SD-25																		
CS20123	SD-26																		
CS25012	C250A	■	■	■	■		■	■	■	■	■		■						
CS25020	ST-20																		
CE25030	B250	■	■	■	■		■	■	■	■	■		■						
CD25039	A250	■	■	■	■		■	■	■	■	■		■						
CE25058	B250H	■	■	■	■		■	■	■	■	■		■						
CE31246	B312	■	■	■	■		■	■	■	■	■		■						
CS37507	LT-29																		
CS37509	C375	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CD37515	LT-27																		
CS37520	LT-28																		
CE37533	LT-25																		
CD37539	LT-26																		
CS50009	C500	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
CS50020	LT-30																		
CE50020	LT-31																		
CD50039	LT-33																		
CD50055	A500	■	■	■	■		■	■	■	■	■		■						
CE50063	B500	■		■	■		■	■											
CS62520	ST-40																		
CD62540	ST-41																		
CS75028	LT-34																		
CS125031	ST-26																		
CE125031	ST-27																		

1. Perforation pattern CD06305 (A062A) is only recommended for Flat Geometrix® panels.



# METAL PERFORATIONS BY PRODUCT

Current	Previous	Illusions® - Design Solutions					Illusions®	Barz®	Radians®	Planx™	Wallforms™	
		2'x2'	2'x4'	30"x30"	2'x8'	30"x60"	Custom Panel Sizes Vary	Design Solutions	Custom Panel Sizes Vary	Panel Sizes Vary	Panel Sizes Vary	Panel Sizes Vary
CS03002	C030											
CS04002	SD-5						■		■	■	■	■
CS04003	C040											
CD04004	SD-6						■		■	■	■	■
CS05003	SD-3						■		■	■	■	■
CD05006	SD-2						■		■	■	■	■
CS06302	C062											
CS06303	SD-21						■		■	■	■	■
CD06305	A062A											
CD06305NB	A062											
CD06310	SD-7	■	■	■	■	■	■	■	■	■	■	■
CS06310	C062B											
CD06312	A062F											
CD06319	A062D											
CE07814	SD-8	■	■	■	■	■	■		■	■	■	■
CS07814	SD-9						■		■	■	■	■
CE07906	B079											
CS09405	SD-15						■		■	■	■	■
CD09410	SD-11						■		■	■	■	■
CS09420	SD-12						■		■	■	■	■
CE09420	SD-10						■		■	■	■	■
CS11708	C116											
CD11717	A116											
CS12505	ST-14						■		■	■	■	■
CD12510	SD-17						■		■	■	■	■
CE12510	B125											
CE12520	SD-13						■		■	■	■	■
CS12520	ST-13						■		■	■	■	■
CS18801	C188											
CD18803	A188											
CS18806	SD-19						■		■	■	■	■
CE18820	SD-14						■		■	■	■	■
CS18820	SD-16						■		■	■	■	■
CE18833	B188A											
CD18839	SD-20/A188C						■		■	■	■	■
CE19735	B197											
CS20106	SD-25						■		■	■	■	■
CS20123	SD-26						■		■	■	■	■
CS25012	C250A											
CS25020	ST-20						■		■	■	■	■
CE25030	B250											
CD25039	A250											
CE25058	B250H											
CE31246	B312											
CS37507	LT-29						■		■	■	■	■
CS37509	C375											
CD37515	LT-27						■		■	■	■	■
CS37520	LT-28						■		■	■	■	■
CE37533	LT-25						■		■	■	■	■
CD37539	LT-26						■		■	■	■	■
CS50009	C500											
CS50020	LT-30						■		■	■	■	■
CE50020	LT-31						■		■	■	■	■
CD50039	LT-33						■		■	■	■	■
CD50055	A500											
CE50063	B500											
CS62520	ST-40						■		■	■	■	■
CD62540	ST-41						■		■	■	■	■
CS75028	LT-34						■		■	■	■	■
CS125031	ST-26						■		■	■	■	■
CE125031	ST-27						■		■	■	■	■

# METAL PERFORATIONS BY PRODUCT

## SQUARE PERFORATIONS

Current	Previous	Curvatura™		Celebration™ and Panz®										Geometrix®	Paraline® Plus			Paraline® Baffles	
		2'x2'	2'x6'	2'x2'	30"x30"	4'x4'	1'x4'	1'x5'	20"x60"	2'x4'	2'x6'	2'x8'	30"x60"	2'x2'	3"x14"	7"x14"	11"x14"	1.5"x4"	1.5"x6"
SS18814	ST-21																		
SS25011	D250	■	■	■	■		■	■	■	■	■		■	■	■	■	■	■	■
SS25025	ST-22																		
SS37511	D375	■	■	■	■		■	■	■	■	■		■	■	■	■	■	■	■
SS39415	LT-20																		
SS39460	LT-21																		
SS41334	LT-22																		
SS50011	D500	■	■	■	■		■	■	■	■	■		■		■	■	■	■	■
SS50070	LT-32																		
SS50070	D500D	■	■	■	■		■	■	■	■	■		■						
SS75036	LT-36																		

## OBOUND PERFORATIONS

OS06317	OB-14																		
OS06333	OB-15																		
OS09420	OB-8																		
OS12523	OB-10																		
OS12537	OB-20																		
OS18827	OB-18																		
OD18827	OB-19																		

## RECTANGLE PERFORATIONS

RS12518	LT-39																		
RS12527	LT-40																		
RS15657	LT-44																		
RS25021	LT-42																		
RS25041	LT-43																		

## PARAMETRIC/IMAGE PERFORATIONS

Parti™																			
Pixels®			■	■		■	■	■	■	■	■		■						



# METAL PERFORATIONS BY PRODUCT

## SQUARE PERFORATIONS

Current	Previous	Illusions® - Design Solutions					Illusions®	Barz®	Radians®	Planx™	Wallforms™	
		2'x2'	2'x4'	30"x30"	2'x8'	30"x60"	Custom Panel Sizes Vary	Design Solutions	Custom Panel Sizes Vary	Panel Sizes Vary	Panel Sizes Vary	Panel Sizes Vary
SS18814	ST-21	■	■	■	■	■	■		■	■	■	■
SS25011	D250											
SS25025	ST-22						■		■	■	■	■
SS37511	D375											
SS39415	LT-20						■		■	■	■	■
SS39460	LT-21						■		■	■	■	■
SS41334	LT-22						■		■	■	■	■
SS50011	D500											
SS50070	LT-32						■		■	■	■	■
SS50070	D500D											
SS75036	LT-36						■		■	■	■	■

## OBOUND PERFORATIONS

OS06317	OB-14						■		■	■	■	■
OS06333	OB-15						■		■	■	■	■
OS09420	OB-8						■		■	■	■	■
OS12523	OB-10						■		■	■	■	■
OS12537	OB-20						■		■	■	■	■
OS18827	OB-18						■		■	■	■	■
OD18827	OB-19	■	■	■	■	■	■		■	■	■	■

## RECTANGLE PERFORATIONS

RS12518	LT-39						■		■	■	■	■
RS12527	LT-40	■	■	■	■	■	■		■	■	■	■
RS15657	LT-44						■		■	■	■	■
RS25021	LT-42						■		■	■	■	■
RS25041	LT-43						■		■	■	■	■

## PARAMETRIC/IMAGE PERFORATIONS

Parti™							■			■	■	■
Pixels®												

### CONTACT INFORMATION

Manufactured by  
United States Gypsum Company  
550 West Adams Street  
Chicago, IL 60661

### PRODUCT INFORMATION

See usg.com for the most  
up-to-date product information.

### CUSTOMER SERVICE

800 950-3839

### TECHNICAL SERVICE

800 USG.4YOU (874-4968)

### WEBSITES

usg.com  
seismicceilings.com  
sustainableceilings.com  
usgdesignstudio.com

### NOTE

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reasonably should have been discovered.

### CODE COMPLIANCE

The information presented is correct to the  
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Because codes continue to evolve, check with  
local officials prior to designing and installing  
a ceiling system. Other restrictions and  
exemptions may apply. This is only intended as a  
quick installation reference.

### SAFETY FIRST!

Follow good safety and industrial hygiene  
practices during handling and installation  
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protective equipment as needed. Read Safety  
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before specification and/or installation.

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