SDS / SDR LINEAR SLOT DIFFUSER - TYPES 1 & 1B
SURFACE MOUNT APPLICATIONS

W = NOM. DUCT WIDTH

OVERALL = W + 1\frac{1}{4}'' (27)
- SDS50, SDS75, SDS100

OVERALL = W + 1\frac{1}{2}'' (27)
- SDR50, SDR75, SDR100

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE
- OPTIONAL FINISHES AVAILABLE

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8'' (203)
- MAXIMUM SECTION LENGTH 72'' (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1'' (25) REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR USE WITH TYPE 2 SDB OR SDA SERIES PLENUMS, OR WITH UP / ULP PLENUMS.
- FACTORY TOLERANCE ±\frac{1}{32}'' (1)
- SEE INSTALLATION INSTRUCTION 100041

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
END CONDITIONS:

- **W** - FLANGE END
- **X** - MITRED END
- **Y** - OPEN END
- **Z** - FLUSH END CAP

**END CONDITION** | **FACE OVERALL LENGTH**
--- | ---
W-W | NOM. LENGTH + 1" (25)
W-Y | NOM. LENGTH + ½" (13)
X-X | NOM. LENGTH + ¼" (22)
X-Y | NOM. LENGTH + ¾" (11)
Y-Y | NOM. LENGTH
Y-Z | NOM. LENGTH
Z-Z | NOM. LENGTH

SCREWHEADS EXTEND ¼" (8) BEYOND OPENING DIMENSION ON Z ENDS

**MOUNTING:**

- **TYPE 1** WITH SCREW MOUNTING
- **TYPE 1B** FASTENING BY OTHERS

### SLOTS

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**NOTE:** UP / UPL OR SBD / SDA PLENUM WIDTH IS ⅞" (8) WIDER THAN CEILING OPENING. "W" INDICATED. PLENUM TO BE MOUNTED ABOVE CEILING.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE** | **SPEC. SYMBOL:**
--- | ---

2013/08/30

**PRICE**

**SDS / SDR**

**TYPE 1 & 1B**

**SURFACE MOUNTED LINEAR DIFFUSER**

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**SDS / SDR LINEAR SLOT DIFFUSER - TYPE 2**
**SURFACE MOUNT APPLICATION**

\[ W = \text{NOM. DUCT WIDTH} \]

\[ \frac{1}{4}\text{"} \quad (\text{40}) \]
\[ \frac{5}{32}\text{"} \quad (\text{4}) \]
\[ \frac{1}{16}\text{"} \quad (\text{20}) \]
\[ \frac{2}{5}\text{"} \quad (\text{19}) \]

**OVERALL = W + \frac{2}{5}\text{"} \quad (\text{19})**

- **SDS50, SDS75, SDS100**
- **SDR50, SDR75, SDR100**
- **SDS150**
- **SDR150**

**FINISH:**
- PATTERN CONTROLLERS = B17 BLACK
- DIFFUSER FACE = B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

**MATERIAL:**
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

**NOTE:**
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25)
  REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- SEE INSTALLATION INSTRUCTION I00042
- FOR USE WITH TYPE 2 SDB, SDA, UP OR UPL PLENUM
- FACTORY TOLERANCE ±\(\frac{1}{32}\)" (1)

**MODELS:**
- SUPPLY DIFFUSERS:
  - SDS50 - ½" SLOT
  - SDS75 - ¾" SLOT
  - SDS100 - 1" SLOT
  - SDS150 - 1½" SLOT
- RETURNS:
  - SDR50 - ½" SLOT
  - SDR75 - ¾" SLOT
  - SDR100 - 1" SLOT
  - SDR150 - 1½" SLOT

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**2013/08/30**

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**PRICE**

**SDS / SDR**

**TYPE 2**

**SURFACE MOUNTED**

**LINEAR DIFFUSER**

**WITH CONCEALED MOUNTING**
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 2
SURFACE MOUNT APPLICATION

END CONDITIONS:

- **W** - FLANGE END
- **X** - MITRED END FOR SPlicing TOGETHER MULTIPLE SECTIONS
- **Y** - OPEN END
- **Z** - FLUSH END CAP

<table>
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<tr>
<th>END CONDITION</th>
<th>FACE OVERALL LENGTH</th>
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<tbody>
<tr>
<td>W-W</td>
<td>NOM. LENGTH + 1&quot; (25)</td>
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<td>W-Y</td>
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<td>X-X</td>
<td>NOM. LENGTH + ¾&quot; (19)</td>
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<td>X-Y</td>
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<td>Y-Z</td>
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<td>Z-Z</td>
<td>NOM. LENGTH</td>
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SCREWHEADS EXTEND 1 ¼" (3) BEYOND OPENING DIMENSION ON Z ENDS

MOUNTING:

CONCEALED MOUNTING BRACKETS (INCLUDED)

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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 3
SURFACE MOUNT APPLICATION WITH PLASTER FRAME

W = NOM. DUCT WIDTH

OVERALL = W - \(\frac{3}{8}\) (3)

- SDS50, SDS75, SDS100

- SDR50, SDR75, SDR100

FINISH:
- PATTERN CONTROLLERS = B17 BLACK
- DIFFUSER FACE = B12 WHITE
(OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25)
- REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- SEE INSTALLATION INSTRUCTION 1110043
- FOR CONCEALED MOUNTING ALONG WALLS / FIXTURES
- FACTORY TOLERANCE ±0.38" (1)

MODELS:
- SUPPLY DIFFUSERS:
  - SDS50 = \(\frac{3}{4}\)" SLOT
  - SDS75 = \(\frac{3}{8}\)" SLOT
  - SDS100 = 1" SLOT
  - SDS150 = \(\frac{3}{2}^\prime\)" SLOT
- RETURNS:
  - SDR50 = \(\frac{3}{4}\)" SLOT
  - SDR75 = \(\frac{3}{8}\)" SLOT
  - SDR100 = 1" SLOT
  - SDR150 = \(\frac{3}{2}^\prime\)" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2013/08/30

SPEC. SYMBOL: SDS / SDR

SDS / SDR

TYPE 3
SURFACE MOUNTED
LINEAR DIFFUSER
WITH PLASTER FRAME

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 3
SURFACE MOUNT APPLICATION WITH PLASTER FRAME

END CONDITIONS:
- W - FLANGE END
- X - MITRED END
- Y - OPEN END
  FOR SPlicing TOGETHER
  MULTIPLE SECTIONS
- Z - FLUSH END CAP

END CONDITION | FACE OVERALL LENGTH
---|---
W-W NOM. LENGTH + 1¼" (32)
W-Y NOM. LENGTH + 5½" (135)
X-X NOM. LENGTH - ¼" (3)
X-Y NOM. LENGTH - ½" (2)
Y-Y NOM. LENGTH
Y-Z NOM. LENGTH
Z-Z NOM. LENGTH

SCREWHEADS EXTEND ⅛" (3) BEYOND
OPENING DIMENSION ON Z ENDS

MOUNTING:

CONCEALED MOUNTING
BRACKETS (INCLUDED)

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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE | SPEC. SYMBOL:
---|---
2013/08/30 | 235045

SDS / SDR
TYPE 3
SURFACE MOUNTED
LINEAR DIFFUSER
WITH PLASTER FRAME
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 6
SURFACE MOUNT APPLICATION WITH PLASTER FRAME

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25)
- REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- SEE INSTALLATION INSTRUCTION 100043
- FOR CONCEALED MOUNTING IN PLASTER OR TILE
- FACTORY TOLERANCE ± ¼" (1)

MODELS:
- SUPPLY DIFFUSERS:
  - SDS50 - ½" SLOT
  - SDS75 - ¾" SLOT
  - SDS100 - 1½" SLOT
- RETURNS:
  - SDR50 - ½" SLOT
  - SDR75 - ¾" SLOT
  - SDR100 - 1½" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE  SPEC. SYMBOL:

2013/08/30  235046
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 6
SURFACE MOUNT APPLICATION WITH PLASTER FRAME

END CONDITIONS:

- W = FLANGE END
- X = MITRED END
- Y = OPEN END FOR SPlicing TOGETHER MULTIPLE SECTIONS
- Z = FLUSH END CAP

END CONDITION | FACE OVERALL LENGTH
----------------|---------------------
W-W | NOM. LENGTH + 1 1/4" (32)
W-Y | NOM. LENGTH + 5/8" (16)
X-X | NOM. LENGTH
X-Y | NOM. LENGTH
Y-Y | NOM. LENGTH
Y-Z | NOM. LENGTH
Z-Z | NOM. LENGTH

Screwheads extend 1/4" (3) beyond opening dimension on Z ends.

MOUNTING:

CEILING FRAMING (BY OTHERS)
CONCEALED MOUNTING BRACKETS (INCLUDED)

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE | SPEC. SYMBOL:
----------------|----------------
2013/08/30 | 235046
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 7
SURFACE MOUNT APPLICATION WITH FLANGED FRAME

END CONDITIONS:

- W - FLANGE END
- X - MITRED END
- Y - OPEN END
- Z - FLUSH END CAP

CEILING OPENING = NOM. LENGTH

FACE OVERALL

END CONDITION  FACE OVERALL LENGTH

W-W  NOM. LENGTH + 1" (25)
W-Y  NOM. LENGTH + ½" (13)
X-X  NOM. LENGTH + ⅞" (19)
X-Y  NOM. LENGTH + ⅝" (10)
Y-Y  NOM. LENGTH
Y-Z  NOM. LENGTH
Z-Z  NOM. LENGTH

SCREWHEADS EXTEND ⅛" (3) BEYOND OPENING DIMENSION ON Z ENDS

MOUNTING:

CEILING FRAMING (BY OTHERS)
CONCEALED MOUNTING BRACKETS (INCLUDED)

1": (25)

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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE  SPEC. SYMBOL:

2013/08/30  235047  SDS / SDR TYPE 7 LINEAR DIFFUSER FLANGE PLASTER FRAME

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 8, 8A
CONCEALED PLASTER FRAME APPLICATION

W = NOM. DUCT WIDTH

OVERALL = W + 1\(\frac{1}{8}\)" (32)

- SDS50, SDS75, SDS100

OVERALL = W + 1\(\frac{1}{2}\)" (32)

- SDR50, SDR75, SDR100

FINISH:
- PATTERN CONTROLLERS = B17 BLACK
- OUTER FRAMES = MILL FINISH
- CENTER TEE = B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS100
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25)
- REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- TAPPING AND PLASTER FINISHING BY OTHERS
- SEE INSTALLATION INSTRUCTION I00044
- USE WITH TYPE 2 SDB / SDA PLENUM, OR UP / UPL
- FACTORY TOLERANCE ±\(\frac{1}{32}\)" (1)

MODELS:
- SUPPLY DIFFUSERS: SDS50 - ½" SLOT
- SDS75 - ¾" SLOT
- SDS100 - 1" SLOT
- SDS150 - 1½" SLOT
- SDR50 - ½" SLOT
- SDR75 - ¾" SLOT
- SDR100 - 1" SLOT
- SDR150 - 1½" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2013/08/30

SPEC. SYMBOL: CONCEALED PLASTER FRAME
**SDS / SDR LINEAR SLOT DIFFUSER - TYPE 8, 8A**

**CONCEALED PLASTER FRAME APPLICATION**

### END CONDITIONS:
- **X - MITRED END**
- **Y - OPEN END** FOR SPlicing TOGETHER MULTIPLE SECTIONS
- **Z - FLUSH END CAP**

#### END CONDITION | FACE OVERALL LENGTH
--- | ---
X-X | NOM. LENGTH + 1¼" (32)
X-Y | NOM. LENGTH + ¾" (16)
Y-Y | NOM. LENGTH
Y-Z | NOM. LENGTH
Z-Z | NOM. LENGTH

SCREWHEADS EXTEND 1" (3) BEYOND OPENING DIMENSION ON Z ENDS

---

### MOUNTING:
- **TYPE 8**
- **TYPE 8A**

CONCEALED MOUNTING BRACKETS FOR DRYWALL SCREWS (BY OTHERS)

---

<table>
<thead>
<tr>
<th>SLOTS</th>
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<th>SDS75</th>
<th>SDS100</th>
<th>SDS150</th>
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

---

**PROJECT:**

<table>
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<tr>
<th>ENGINEER:</th>
<th>SDS / SDR TYPE 8, 8A SURFACE MOUNTED LINEAR DIFFUSER</th>
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</thead>
<tbody>
<tr>
<td>CUSTOMER:</td>
<td>CONCEALED PLASTER FRAME</td>
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**SUBMITTAL DATE:**

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<th>SPEC. SYMBOL:</th>
<th>2013/08/30</th>
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© Copyright PRICE INDUSTRIES 2013
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 9A
SUSPENDED CEILING TYPE

W = NOM. DUCT WIDTH

OVERALL = W + $\frac{3}{4}$" (16)

- SDS60, SDS75, SDS100

- SDS150

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE

O (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS550, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 5 SLOT AND LARGER SUPPLIED WITH 1" (25)
- REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR INTEGRATION WITH CEILING SUSPENSION SYSTEMS
- USE TYPE 14 SDA / SDB PLENUMS, OR UP / UPL
- FACTORY TOLERANCE ±$\frac{3}{4}$" (1)
- SEE INSTALLATION INSTRUCTION H00045

MODELS:
- SDS550 - $\frac{3}{4}$" SLOT
- SDR50 - $\frac{3}{4}$" SLOT
- SDS75 - $\frac{3}{4}$" SLOT
- SDR75 - $\frac{1}{2}$" SLOT
- SDS100 - 1" SLOT
- SDR100 - 1" SLOT
- SDS150 - 1$\frac{1}{2}$" SLOT
- SDR150 - 1$\frac{1}{2}$ SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2013/08/30

SPEC. SYMBOL: 235048

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 9A
SUSPENDED CEILING TYPE

END CONDITIONS:

☐ W - FLANGE END

☐ X - MITRED END

☐ Y - OPEN END

☐ Z - FLUSH END CAP

CEILING OPENING = NOM. LENGTH

FACE OVERALL

END CONDITION

W–W
W–Y
X–X
X–Y
Y–Y
Y–Z
Z–Z

FACE OVERALL LENGTH

NOM. LENGTH + 1½" (32)
NOM. LENGTH + 3½" (16)
NOM. LENGTH + 5½" (16)
NOM. LENGTH + 5½" (16)
NOM. LENGTH
NOM. LENGTH
NOM. LENGTH

SCREWHEADS EXTEND 1/4" (3) BEYOND OPENING DIMENSION ON Z ENDS

MOUNTING:

HANGER BRACKET
(SHIPPED LOOSE)

BRACKETS FOR 1–4 SLOTS ANGLE WITH HANGER HOLE WELDED ON TOP FOR UNITS 5 TO 10 SLOTS

<table>
<thead>
<tr>
<th>SLOTS</th>
<th>SDS50</th>
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<th>SDS100</th>
<th>SDS150</th>
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<td>15½&quot; (384)</td>
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<td>22½&quot; (575)</td>
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE

SPEC. SYMBOL:

2013/08/30

235048

SDS / SDR
TYPE 9A
LINEAR DIFFUSER
SUSPENDED CEILING TYPE

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 9B
SUSPENDED CEILING TYPE

W = NOM. DUCT WIDTH

OVERALL = W + \frac{3}{8} (22)

□ SDS50, SDS75, SDS100

W = NOM. DUCT WIDTH

OVERALL = W + \frac{3}{8} (22)

□ SDR50, SDR75, SDR100

W = NOM. DUCT WIDTH

OVERALL = W + \frac{3}{8} (22)

□ SDR150

W = NOM. DUCT WIDTH

OVERALL = W + \frac{3}{8} (22)

□ SDR150

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS100
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 5 SLOT AND LARGER SUPPLIED WITH 1" (25)
  REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR INTEGRATION WITH CEILING SUSPENSION SYSTEMS
- USE TYPE 14 SDB / SDA PLENUMS, OR UP / UPL
- FACTORY TOLERANCE ± 1/8" (1)
- SEE INSTALLATION INSTRUCTION 100045

MODELS:
SUPPLY DIFFUSERS:
- SDS50 - 1/2" SLOT
- SDS75 - 3/4" SLOT
- SDS100 - 1" SLOT
- SDS150 - 1 1/2" SLOT

RETURNS:
- SDR50 - 1/2" SLOT
- SDR75 - 3/4" SLOT
- SDR100 - 1" SLOT
- SDR150 - 1 1/2" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

235049

SDS / SDR
TYPE 9B
LINEAR DIFFUSER
SUSPENDED CEILING TYPE

2013/08/30

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SHEET 1 OF 2 REV C
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 9B
SUSPENDED CEILING TYPE

END CONDITIONS:

- W - FLANGE END
- X - MITRED END
- Y - OPEN END
- Z - FLUSH END CAP

CEILING OPENING = NOM. LENGTH
FACE OVERALL

<table>
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<tr>
<th>END CONDITION</th>
<th>FACE OVERALL LENGTH</th>
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<tbody>
<tr>
<td>W-W</td>
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<td>W-Y</td>
<td>NOM. LENGTH + 3/8 (22)</td>
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<tr>
<td>X-X</td>
<td>NOM. LENGTH + 7/16 (11)</td>
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<tr>
<td>X-Y</td>
<td>NOM. LENGTH</td>
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<td>NOM. LENGTH</td>
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<td>Z-Z</td>
<td>NOM. LENGTH</td>
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SCREWHEADS EXTEND 1/8" (3) BEYOND OPENING DIMENSION ON Z ENDS

MOUNTING:

HANGER BRACKET (SHIPPED LOOSE)

BRACKETS FOR 1-4 SLOTS ANGLE WITH HANGER HOLE WELDED ON TOP FOR UNITS 5 TO 10 SLOTS

<table>
<thead>
<tr>
<th>SLOTS</th>
<th>SDS50</th>
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<th>SDS150</th>
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

2013/08/30

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 12
FOR CONCEALED SPLINE CEILINGS

W = NOM. DUCT WIDTH

OVERALL = W + \frac{5}{8} (22)

- SDS50, SDS75, SDS100
- SDR50, SDR75, SDR100

FINISH:
- PATTERN CONTROLLERS = B17 BLACK
- DIFFUSER FACE = B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- UNITS 5 SLOT AND LARGER SUPPLIED WITH 1" (25)
REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR INTEGRATION WITH CONCEALED SPLINE CEILING
- USE TYPE 14 SDB / SDA PLENUM, OR UP / UPL
- FACTORY TOLERANCE ±\frac{3}{16}" (1)
- SEE INSTALLATION INSTRUCTION #00045

MODELS:
- SUPPLY DIFFUSERS:
  - SDS50 - 1/2" SLOT
  - SDS75 - 1/8" SLOT
  - SDS100 - 1" SLOT
- RETURNS:
  - SDR50 - 1/2" SLOT
  - SDR75 - 1/8" SLOT
  - SDR100 - 1" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIPLIER.

PROJECT:

ENGINEER: [Signature]

CUSTOMER: [Details]

SUBMITTAL DATE: 235050
SPEC. SYMBOL: 2013/08/30

SDS / SDR
TYPE 12
LINEAR DIFFUSER
CONCEALED SPLINE

PRICE®

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SHEET 1 OF 2
REV D
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 12
FOR CONCEALED SPLINE CEILINGS

END CONDITIONS:
- □ W - FLANGE END
- □ X - MITRED END
- □ Y - OPEN END
  FOR SPlicing TOGETHER
  MULTIPLE SECTIONS
- □ Z - FLUSH END CAP

CEILING OPENING
= NOM. LENGTH

FACE OVERALL

END CONDITION | FACE OVERALL LENGTH
W-W | NOM. LENGTH + 1½" (32)
W-Y | NOM. LENGTH + 3⁄8" (41)
X-X | NOM. LENGTH + 3⁄16" (16)
X-Y | NOM. LENGTH + 3⁄16" (11)
Y-Y | NOM. LENGTH
Y-Z | NOM. LENGTH
Z-Z | NOM. LENGTH

SCREWHEADS EXTEND 1⁄4" (3) BEYOND OPENING DIMENSION ON Z ENDS

MOUNTING:

HANGER BRACKET
(Shipped loose)

BRACKETS FOR 1-4 SLOTS
ANGLE WITH HANGER HOLE WELDED
ON TOP FOR UNITS 5 TO 10 SLOTS

<table>
<thead>
<tr>
<th>SLOTS</th>
<th>SDS50</th>
<th>SDS75</th>
<th>SDS100</th>
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: 2013/08/30

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 14
FLUSH MOUNT LAY-IN APPLICATION

W = NOM. DUCT WIDTH

OVERALL = W + 1/8" (22)
- SDS50, SDS75, SDS100

OVERALL = W + 1/8" (22)
- SDR50, SDR75, SDR100

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS100
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25)
  REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- DIFFUSER FLANGES ARE FLUSH WITH T-BAR FACE
- FOR USE WITH SDA, SDB, UP OR UPL PLENUMS
- FACTORY TOLERANCE ±1/32" (.1)
  SEE INSTALLATION INSTRUCTION IN0046

MODELS:
- SUPPLY DIFFUSERS:
  - SDS50 - 1/2" SLOT
  - SDS50 - 3/4" SLOT
  - SDS75 - 1" SLOT
  - SDS75 - 1 1/2" SLOT
  - SDS100 - 1 1/2" SLOT
  - SDS150 - 1 1/2" SLOT
  - SDR50 - 1/2" SLOT
  - SDR75 - 3/4" SLOT
  - SDR100 - 1" SLOT
  - SDR150 - 1 1/2" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:  
CUSTOMER:  
SUBMITTAL DATE  
SPEC. SYMBOL:

235051  
2013/08/30
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 14
FLUSH MOUNT LAY-IN APPLICATION

END CONDITIONS:

☐ Z - CLOSED END CAP

16" (24) T-BAR
BY OTHERS

1/8" (10)
FACE LENGTH
CEILING MODULE

MOUNTING:
- DIFFUSER ENDCAPS REST ON T-BAR
- CEILING TILES SUPPORTED BY THE SIDE FRAMES

CEILING TILES
(BY OTHERS)

END CONDITION | FACE LENGTH
--- | ---
Z-Z | CEILING MODULE - 1" (25)

<table>
<thead>
<tr>
<th>SLOTS</th>
<th>SDS50</th>
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ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE | SPEC. SYMBOL:
--- | ---
2013/08/30 | 235051

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 15
T-BAR LAY-IN APPLICATION

W = NOM. DUCT WIDTH

OVERALL = W + $\frac{7}{8}$ (22)

- SDS50, SDS75, SDS100

W = NOM. DUCT WIDTH

OVERALL = W + $\frac{7}{8}$ (22)

- SDR50, SDR75, SDR100

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS100
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25)
- REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- DIFFUSER FACE RESTS ON T-BAR ON ALL SIDES
- FOR USE WITH SDA, SDB, UP OR UPL PLenums
- FACTORY TOLERANCE ±$\frac{1}{32}$" (1)
- SEE INSTALLATION INSTRUCTION 100046

MODELS:
- SUPPLY DIFFUSERS:
  - SDS50 - 1/2" SLOT
  - SDS75 - 1/4" SLOT
  - SDS100 - 1" SLOT
  - SDR50 - 1/2" SLOT
  - SDR75 - 1/4" SLOT
  - SDR100 - 1" SLOT

- RETURNS:
  - SDS50 - 1/2" SLOT
  - SDS75 - 1/4" SLOT
  - SDS100 - 1" SLOT
  - SDR50 - 1/2" SLOT
  - SDR75 - 1/4" SLOT
  - SDR100 - 1" SLOT

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE  SPEC. SYMBOL:  2013/08/30

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SDS / SDR
TYPE 15
LINEAR DIFFUSER
INVERTED TEE LAY-ON
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 15
T-BAR LAY-IN APPLICATION

END CONDITIONS:

☐ X - MITRED END

\[ \frac{1}{2} " (38) \]

\[ (24) \]

OR \[ \frac{1}{8} " (14) \]

FLAT TEE
BY OTHERS

CEILING MODULE

END CLIPS
OFFSET TO
PERMIT SERIES
INSTALLATION

MOUNTING:

- DIFFUSER RESTS ON CEILING T-BAR
ON ALL SIDES.

- CEILING TILES &
T-BAR BY OTHERS

END CONDITION | FACE OVERALL LENGTH
---|---
X-X | CEILING MODULE - \[ \frac{1}{4} " (6) \]

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</table>

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
OUTSIDE DIAMETER DUCT

LENGTH SELECTION:
- 24" (610)
- 36" (914)
- 48" (1219)
- 60" (1524)
- 72" (1829)

MATERIAL:
- EXTRUDED ALUMINUM

FINISH:
- PATTERN CONTROLLER B17 (BLACK)
- DIFFUSER FACE B12 (WHITE)
- OPTIONAL FINISHES AVAILABLE

NOTES:
- MAXIMUM SECTION LENGTH = 72" (1829). DIFFUSERS LONGER THAN 72" (1829) WILL BE SUPPLIED IN SECTIONS.
- FACTORY TOLERANCE +/- 0.031" (1)
- WW END CAPS
- SEE INSTALLATION INSTRUCTION II00047

DUCT DIAMETER CHART

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EQUALIZING GRID STANDARD

END VIEW

CUT OUT

NOM LENGTH - 1"
OUTSIDE DIAMETER DUCT

LENGTH SELECTION:
- 24" (610)
- 36" (914)
- 48" (1219)
- 60" (1524)
- 72" (1829)

DUCT DIAMETER CHART

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MATERIAL:
- EXTRUDED ALUMINUM

FINISH:
- PATTERN CONTROLLER B17 (BLACK)
- DIFFUSER FACE B12 (WHITE)
- OPTIONAL FINISHES AVAILABLE

NOTES:
- MAXIMUM SECTION LENGTH = 72" (1829) DIFFUSERS LONGER THAN 72" (1829) WILL BE SUPPLIED IN SECTIONS.
- FACTORY TOLERANCE +/- 0.031" (1)
- WW END CAPS
- SEE INSTALLATION INSTRUCTION II00047

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
SDS / SDR LINEAR SLOT DIFFUSER - TYPE 17
NARROW MEMBER T-BAR APPLICATION

W = NOM. DUCT WIDTH

OVERALL = W - 1/16" (2)
- SDS150

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25) REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR USE WITH 9/16" (14) BOLT-SLOT STYLE T-BAR OR 9/16" (14) FLAT TEGULAR T-BAR
- USE TYPE 74 SDA / SDB PLENUM, OR UP / UPL
- FACTORY TOLERANCE ± 1/32" (1)
- SEE INSTALLATION INSTRUCTION 100046

MODELS:
- SDS50 - 1/2" SLOTH
- SDS75 - 3/4" SLOTH
- SDS100 - 1" SLOTH
- SDS150 - 1 1/2" SLOTH

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2014/06/16

SPEC. SYMBOL: 235053

SDS / SDR
TYPE 17
LINEAR DIFFUSER
T-BAR LAY-IN
NARROW MEMBER

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 17
NARROW MEMBER T-BAR APPLICATION

END CONDITIONS:

☐ Z - CLOSED END CAP

MOUNTING:

<table>
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<tr>
<th>END CONDITION</th>
<th>FACE LENGTH</th>
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<tbody>
<tr>
<td>Z-Z</td>
<td>CEILING MODULE - 3/4&quot; (16)</td>
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER: [Signature]

CUSTOMER: [Signature]

SUBMITTAL DATE: 2014/06/16

SPEC. SYMBOL: 235053

SDS / SDR
TYPE 17
LINEAR DIFFUSER
T-BAR LAY-IN
NARROW MEMBER

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 18
TECHZONE CEILING LAY-IN APPLICATION

END CONDITIONS:

☐ Y - OPEN END
FOR SPlicing TOGETHER
MULTIPLE SECTIONS

☐ Z - CLOSED END CAP

FINISH:

• PATTERN CONTROLLERS - B17 BLACK
☐ DIFFUSER FACE - B12 WHITE
(OPTIONAL FINISHES AVAILABLE)

MATERIAL:

• EXTRUDED ALUMINUM FRAME
• ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN
CONTROLLERS ON SDS75

NOTE:

• MINIMUM LENGTH 8" (203)
• MAXIMUM SECTION LENGTH 72" (1829)
• FOR USE WITH 4" (102) OR 6" (152) TECHZONE
CEILING MODULE SIZES
• 180° AIR PATTERN ADJUSTMENT AVAILABLE
• INTEGRATES WITH TECHZONE CEILING SYSTEM
• USE TYPE 18 SDB / SDA PLENUM, OR UP / UPL
• FACTORY TOLERANCE ±3/32" (∆)
• SEE INSTALLATION INSTRUCTION 100046

MODELS:

SUPPLY DIFFUSERS:

☐ SDS75 - 3/4" SLOT
☐ SDR75 - 3/4" SLOT

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE

SPEC. SYMBOL:

2013/08/30

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 19
TECHZONE CEILING LAY-IN APPLICATION

□ SDS75
□ SDR75

END CONDITIONS:
□ Y - OPEN END
FOR SPLICING TOGETHER MULTIPLE SECTIONS
□ Z - CLOSED END CAP

MODULE Width

<table>
<thead>
<tr>
<th>SLOTS</th>
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</table>

END CONDITION
FACE LENGTH
Y-Y CEILING MODULE
Y-Z CEILING MODULE - 1/4" (5)
Z-Z CEILING MODULE - 1/4" (10)

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- FOR USE WITH 4" (102) OR 6" (152) TECHZONE CEILING MODULE SIZES
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- DIFFUSER FLANGES REST ON TOP OF T-BAR
- USE TYPE 18 SDB / SDA PLENUM, OR UP / UPL
- FACTORY TOLERANCE 1/4" (-1)
- SEE INSTALLATION INSTRUCTION #00046

MODELS:
- SUPPLY DIFFUSERS
- RETURNS
□ SDS75 - 1/4" SLOT □ SDR75 - 3/4" SLOT

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE SPEC. SYMBOL:

2013/12/17

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 20
TECHZONE CEILING LAY-IN APPLICATION

END CONDITIONS:
- Y - OPEN END
  FOR SPlicing TOGETHER MULTIPLE SECTIONS
- Z - CLOSED END CAP
  CEILING MODULE

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN
  CONTROLLERS ON SDS75

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM SECTION LENGTH 72" (1829)
- FOR USE WITH 4" (102) OR 6" (152) TECHZONE
  CEILING MODULE SIZES
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR USE WITH TYPE 18 SDB / SDA PLENUMS, OR
  UP / UPL PLENUMS
- FACTORY TOLERANCE ±1/32" (1)
- SEE INSTALLATION INSTRUCTION 100046

MODELS:
- SUPPLY DIFFUSERS:
- RETURNS:
  SDS75 - 3/8" SLOT
  SDR75 - 3/4" SLOT

PROJECT:

ENGINEER:
CUSTOMER:

SUBMITTAL DATE SPEC. SYMBOL:

SDS / SDR TYPE 20 LINEAR DIFFUSER TECHZONE T-BAR SYSTEMS

2013/08/30

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 916
NARROW TEE FLUSH MOUNT LAY-IN APPLICATION

FINISH:
- PATTERN CONTROLLERS = B17 BLACK
- DIFFUSER FACE = B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- EXTRUDED ALUMINUM PATTERN CONTROLLERS ON MODELS SDS50, SDS150
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75, SDS100

NOTE:
- MINIMUM LENGTH 8" (203)
- MAXIMUM LENGTH 72" (1829)
- UNITS 6 SLOT AND LARGER SUPPLIED WITH 1" (25) REINFORCING ANGLES ATTACHED TO DIFFUSER
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- DIFFUSER FLANGES ARE FLUSH WITH T-BAR FACE
- USE TYPE 14 SDB / SDA PLENUM, OR UP / UPL
- FACTORY TOLERANCE ± 1/32" (1)
- SEE INSTALLATION INSTRUCTION NO0046

MODELS:
- SUPPLY DIFFUSERS:
  - SDS50 = 1/2" SLOT
  - SDS75 = 1/4" SLOT
  - SDS100 = 1" SLOT
- RETURNS:
  - SDR50 = 1/2" SLOT
  - SDR75 = 1/4" SLOT
  - SDR100 = 1" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE  SPEC. SYMBOL: 2013/08/30

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 916
NARROW TEE FLUSH MOUNT LAY-IN APPLICATION

END CONDITIONS:

☐ Z - CLOSED END CAP

END CONDITION | FACE LENGTH
---|---
Z-Z | CEILING MODULE - 5/8" (16)

MOUNTING:
- DIFFUSER ENDCAPS REST ON T-BAR
- CEILING TILES SUPPORTED BY THE SIDE FRAMES

<table>
<thead>
<tr>
<th>SLOTS</th>
<th>SDS50</th>
<th>SDS75</th>
<th>SDS100</th>
<th>SDS150</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 1/8&quot; (35)</td>
<td>1 3/8&quot; (41)</td>
<td>1 7/8&quot; (48)</td>
<td>2 1/8&quot; (60)</td>
</tr>
<tr>
<td>2</td>
<td>2 3/16&quot; (67)</td>
<td>3 1/8&quot; (79)</td>
<td>3 7/8&quot; (92)</td>
<td>4 3/16&quot; (117)</td>
</tr>
<tr>
<td>3</td>
<td>3 3/16&quot; (98)</td>
<td>4 3/16&quot; (117)</td>
<td>5 7/8&quot; (137)</td>
<td>6 3/8&quot; (175)</td>
</tr>
<tr>
<td>4</td>
<td>5 1/8&quot; (130)</td>
<td>6 3/8&quot; (156)</td>
<td>7 7/8&quot; (191)</td>
<td>9 1/8&quot; (232)</td>
</tr>
<tr>
<td>5</td>
<td>6 7/8&quot; (162)</td>
<td>7 5/8&quot; (194)</td>
<td>8 3/4&quot; (225)</td>
<td>11 1/8&quot; (289)</td>
</tr>
<tr>
<td>6</td>
<td>7 3/8&quot; (194)</td>
<td>9 1/8&quot; (232)</td>
<td>10 3/8&quot; (270)</td>
<td>13 1/8&quot; (346)</td>
</tr>
<tr>
<td>7</td>
<td>8 1/8&quot; (225)</td>
<td>10 3/16&quot; (270)</td>
<td>12 7/8&quot; (314)</td>
<td>15 1/16&quot; (403)</td>
</tr>
<tr>
<td>8</td>
<td>10 1/16&quot; (257)</td>
<td>12 1/2&quot; (308)</td>
<td>14 1/8&quot; (359)</td>
<td>18 1/16&quot; (460)</td>
</tr>
<tr>
<td>9</td>
<td>11 1/8&quot; (289)</td>
<td>13 3/16&quot; (346)</td>
<td>15 3/8&quot; (403)</td>
<td>20 5/8&quot; (518)</td>
</tr>
<tr>
<td>10</td>
<td>12 1/16&quot; (321)</td>
<td>15 7/8&quot; (384)</td>
<td>17 3/8&quot; (448)</td>
<td>22 5/8&quot; (575)</td>
</tr>
</tbody>
</table>

All metric dimensions ( ) are soft converted, imperial dimensions are converted to metric and rounded to the nearest millimeter.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE | SPEC. SYMBOL:
---|---
2013/08/30 | 238970

SDS / SDR
TYPE 916
LINEAR DIFFUSER
LAY-IN FLUSH MOUNT
FOR 9/16" FLAT TEE

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 21
TECHSTYLE CEILING APPLICATION

END CONDITIONS:
- □ V - NOTCHED END FOR TECHSTYLE

MOUNTING:
- UP / UPL PLENUM WITH HEMMED EDGE
- CONCEALED MOUNTING BRACKETS INCLUDED
- TECHSTYLE CEILING PANELS (BY OTHERS)

END CONDITION | FACE LENGTH
--- | ---
V-V | CEILING MODULE - ¾" (6)

FINISH:
- • PATTERN CONTROLLERS - B17 BLACK
- □ DIFFUSER FACE - B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- • EXTRUDED ALUMINUM FRAME
- • ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75

MODULE WIDTH | SLOT QUANTITY
--- | ---
6" (152) | 3

NOTE:
- • AVAILABLE LENGTHS:
  □ 24" (610) □ 48" (1219) □ 60" (1524)
- • FOR USE WITH HUNTER DOUGLAS TECHSTYLE CEILINGS WITH 6" (152) MODULE WIDTH
- • 180° AIR PATTERN ADJUSTMENT AVAILABLE
- • FOR USE WITH MODEL UP / UPL PLENUMS, TYPE 21 (ORDER SEPARATELY)
- • FACTORY TOLERANCE ±¼" (1)
- • SEE INSTALLATION INSTRUCTION 100048

MODELS:
- SUPPLY DIFFUSERS: SDS75 - ¾" SLOT
- RETURNS: □ SDS75 - ¾" SLOT □ SDR75 - ¾" SLOT

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE | SPEC. SYMBOL:
--- | ---
2013/08/30 | 248405

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SDS / SDR LINEAR SLOT DIFFUSER - TYPE 22
TECHSTYLE CEILING APPLICATION

END CONDITIONS:
- W - FLANGE END

MOUNTING:
- CONCEALED MOUNTING BRACKETS INCLUDED
- TECHSTYLE CEILING PANELS (BY OTHERS)
- UP / UPL PLENUM WITH HEMMED EDGE

END CONDITION | FACE LENGTH
--- | ---
W-W | CEILING MODULE = 3/4" (6)

MODULE WIDTH | SLOT QUANTITY
--- | ---
6" (152) | 3

FINISH:
- PATTERN CONTROLLERS - B17 BLACK
- DIFFUSER FACE - B12 WHITE (OPTIONAL FINISHES AVAILABLE)

MATERIAL:
- EXTRUDED ALUMINUM FRAME
- ROLLFORMED STEEL OR EXTRUDED ALUMINUM PATTERN CONTROLLERS ON SDS75

NOTE:
- AVAILABLE LENGTHS:
  - 24" (610)
  - 48" (1219)
  - 60" (1524)
- FOR USE WITH HUNTER DOUGLAS TECHSTYLE CEILINGS WITH 6" (152) MODULE WIDTH
- 180° AIR PATTERN ADJUSTMENT AVAILABLE
- FOR USE WITH MODEL UP / UPL PLENUMS, TYPE 22 (ORDER SEPARATELY)
- FACTORY TOLERANCE ±¼" (1)
- SEE INSTALLATION INSTRUCTION 1000048

MODELS:
- SUPPLY DIFFUSERS: SDS75 - 3/4 SLOT
- RETURNS: SDR75 - 3/4 SLOT

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE | SPEC. SYMBOL:
--- | ---
2013/08/30 | 248406

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MC-SDS MITRED CORNERS FOR SDS / SDR

- **MC90** - 90° MITRED CORNER
  - O.A. LENGTH = NOM DUCT LENGTH + A
  - A = NOM DUCT LENGTH

- **MC135** - 135° MITRED CORNER
  - O.A. LENGTH = NOM DUCT LENGTH + A
  - A = NOM DUCT LENGTH

### MC90 - 90° MITRED CORNER (SDS75, 3 SLOT, TYPE 2 SHOWN)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SLOT QTY.</th>
<th>NOM. DUCT LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS50 / SDR50</td>
<td>1-5 SLOT</td>
<td>12&quot; (305)</td>
</tr>
<tr>
<td></td>
<td>6-10 SLOT</td>
<td>24&quot; (610)</td>
</tr>
<tr>
<td>SDS75 / SDR75</td>
<td>1-5 SLOT</td>
<td>12&quot; (305)</td>
</tr>
<tr>
<td></td>
<td>6-10 SLOT</td>
<td>24&quot; (610)</td>
</tr>
<tr>
<td>SDS100 / SDR100</td>
<td>1-5 SLOT</td>
<td>12&quot; (305)</td>
</tr>
<tr>
<td></td>
<td>6-10 SLOT</td>
<td>24&quot; (610)</td>
</tr>
<tr>
<td>SDS150 / SDR150</td>
<td>1-5 SLOT</td>
<td>18&quot; (457)</td>
</tr>
<tr>
<td></td>
<td>6-10 SLOT</td>
<td>30&quot; (762)</td>
</tr>
</tbody>
</table>

### MC135 - 135° MITRED CORNER (SDS75, 3 SLOT, TYPE 2 SHOWN)

<table>
<thead>
<tr>
<th>FRAME TYPE</th>
<th>A</th>
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<tbody>
<tr>
<td>MC90</td>
<td></td>
</tr>
<tr>
<td>1, 1B</td>
<td>1 1/2&quot; (13)</td>
</tr>
<tr>
<td>2</td>
<td>1/4&quot; (10)</td>
</tr>
<tr>
<td>8, 8A</td>
<td>1/4&quot; (16)</td>
</tr>
<tr>
<td>9A</td>
<td>1/4&quot; (8)</td>
</tr>
<tr>
<td>9B, 14</td>
<td>3/32&quot; (11)</td>
</tr>
<tr>
<td>17</td>
<td>3/32&quot; (5)</td>
</tr>
</tbody>
</table>

**Material:**
- EXTRUDED ALUMINUM FRAME

**Notes:**
- MC90 AND MC135 MITRED CORNER ASSEMBLIES ARE AVAILABLE ON SDS / SDR FRAME TYPES 1, 1B, 2, 8, 8A, 9A, 9B, 14, 17
- SDS MITRED CORNER SECTIONS ARE INACTIVE
- FACTORY TOLERANCE ± 1/32" (1)

All metric dimensions ( ) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**MC-SDS**

MITRED CORNER ASSEMBLY
MC90, MC135
FOR SDS/SDR DIFFUSERS

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MC-SDS MITRED CORNERS FOR SDS / SDR

- **TYPE 1, 1B**
  
  \[ W = \text{NOM. DUCT WIDTH} \]
  
  O.A. WIDTH = W + 1\(\frac{1}{16}\)" (27)

- **TYPE 2**
  
  \[ W = \text{NOM. DUCT WIDTH} \]
  
  O.A. WIDTH = W + 3/4" (19)

- **TYPE 8, 8A**
  
  \[ W = \text{NOM. DUCT WIDTH} \]
  
  O.A. WIDTH = W + 1/2" (32)

- **TYPE 9A**
  
  \[ W = \text{NOM. DUCT WIDTH} \]
  
  O.A. WIDTH = W + 5/16" (16)

- **TYPE 9B, 14**
  
  \[ W = \text{NOM. DUCT WIDTH} \]
  
  O.A. WIDTH = W + 11/32" (22)

- **TYPE 17**
  
  \[ W = \text{NOM. DUCT WIDTH} \]
  
  O.A. WIDTH = W + 7/32" (10)

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:** 2016/06/30

**SPEC. SYMBOL:**

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### MC-SDS MITRED CORNERS FOR SDS / SDR

#### TYPE 1, 1B

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<tr>
<th>slot</th>
<th>W = Nom. Duct Width</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>SDS50</td>
</tr>
<tr>
<td>1</td>
<td>1 11/16&quot; (43)</td>
</tr>
<tr>
<td>2</td>
<td>2 1/16&quot; (75)</td>
</tr>
<tr>
<td>3</td>
<td>4 3/16&quot; (106)</td>
</tr>
<tr>
<td>4</td>
<td>5 7/16&quot; (138)</td>
</tr>
<tr>
<td>5</td>
<td>6 11/16&quot; (170)</td>
</tr>
<tr>
<td>6</td>
<td>7 15/16&quot; (202)</td>
</tr>
<tr>
<td>7</td>
<td>9 3/16&quot; (233)</td>
</tr>
<tr>
<td>8</td>
<td>10 7/16&quot; (265)</td>
</tr>
<tr>
<td>9</td>
<td>11 11/16&quot; (297)</td>
</tr>
<tr>
<td>10</td>
<td>12 15/16&quot; (329)</td>
</tr>
</tbody>
</table>

#### TYPE 2, 8, 8A

<table>
<thead>
<tr>
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<th>W = Nom. Duct Width</th>
</tr>
</thead>
<tbody>
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<td></td>
<td>SDS50</td>
</tr>
<tr>
<td>1</td>
<td>2&quot; (51)</td>
</tr>
<tr>
<td>2</td>
<td>3 1/4&quot; (83)</td>
</tr>
<tr>
<td>3</td>
<td>4 1/2&quot; (114)</td>
</tr>
<tr>
<td>4</td>
<td>5 3/4&quot; (146)</td>
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<tr>
<td>5</td>
<td>7&quot; (178)</td>
</tr>
<tr>
<td>6</td>
<td>8 1/4&quot; (210)</td>
</tr>
<tr>
<td>7</td>
<td>9 1/2&quot; (241)</td>
</tr>
<tr>
<td>8</td>
<td>10 3/4&quot; (273)</td>
</tr>
<tr>
<td>9</td>
<td>12&quot; (305)</td>
</tr>
<tr>
<td>10</td>
<td>13 1/4&quot; (337)</td>
</tr>
</tbody>
</table>

#### TYPE 9A, 9B, 14, 17

<table>
<thead>
<tr>
<th>slot</th>
<th>W = Nom. Duct Width</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>SDS50</td>
</tr>
<tr>
<td>1</td>
<td>1 3/8&quot; (35)</td>
</tr>
<tr>
<td>2</td>
<td>2 5/8&quot; (67)</td>
</tr>
<tr>
<td>3</td>
<td>3 7/8&quot; (98)</td>
</tr>
<tr>
<td>4</td>
<td>5 1/8&quot; (130)</td>
</tr>
<tr>
<td>5</td>
<td>6 3/8&quot; (162)</td>
</tr>
<tr>
<td>6</td>
<td>7 5/8&quot; (194)</td>
</tr>
<tr>
<td>7</td>
<td>8 7/8&quot; (225)</td>
</tr>
<tr>
<td>8</td>
<td>10 1/8&quot; (257)</td>
</tr>
<tr>
<td>9</td>
<td>11 3/8&quot; (289)</td>
</tr>
<tr>
<td>10</td>
<td>12 5/8&quot; (321)</td>
</tr>
</tbody>
</table>

All metric dimensions ( ) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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SDSC, SDRC CURVED LINEAR SLOT DIFFUSER

D' = NOM. DUCT
R = RADIUS INSIDE EDGE OF DUCT

OVERALL = D' + 3/4" (19)

☐ SDRC RETURN (1-SLOT SHOWN)

☐ SDSC SUPPLY (2-SLOT SHOWN)

☐ INLET SIDE (PLENUMS)

A = ARC LENGTH AT INSIDE EDGE
B = CHORD LENGTH

NOTE: PLEASE IDENTIFY INLET SIDE WHEN ORDERING ENGINEERED PLENUMS

NOTE: MINIMUM RADIUS = 72"

<table>
<thead>
<tr>
<th>NO. SLOTS</th>
<th>MODEL</th>
<th>SLOT WIDTH</th>
<th>D'</th>
<th>R = RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SD 50</td>
<td>3/4 (19)</td>
<td>2 1/2</td>
<td>(57)</td>
</tr>
<tr>
<td></td>
<td>SD 75</td>
<td>3/4 (19)</td>
<td>2 1/2</td>
<td>(57)</td>
</tr>
<tr>
<td></td>
<td>SD 100</td>
<td>1 (25)</td>
<td>2 1/2</td>
<td>(63)</td>
</tr>
<tr>
<td>2</td>
<td>SD 50</td>
<td>3/4 (19)</td>
<td>3 1/4</td>
<td>(83)</td>
</tr>
<tr>
<td></td>
<td>SD 75</td>
<td>3/4 (19)</td>
<td>3 1/4</td>
<td>(83)</td>
</tr>
<tr>
<td></td>
<td>SD 100</td>
<td>1 (25)</td>
<td>4 1/4</td>
<td>(108)</td>
</tr>
</tbody>
</table>

☐ A = ARC LENGTH
☐ B = CHORD LENGTH

W ANGLE END CAP

FACE OVERALL = A + 1 (25)

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
SDS, SDR VINYL BLANKOFF

- Typical flat shape of vinyl blank-off — as in stock form

- Typical recovered shape of vinyl blank-off after installation.

- Typical cross-section of vinyl blank-off after installation.

- Material — black vinyl
- To fit SDS/SDR diffusers
- See installation instruction 110054

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SLOT WIDTH</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB50</td>
<td>1 1/2&quot; (13)</td>
<td>1 3/16&quot; (30)</td>
</tr>
<tr>
<td>VB75</td>
<td>3/4&quot; (19)</td>
<td>1 7/16&quot; (37)</td>
</tr>
<tr>
<td>VB100</td>
<td>1&quot; (25)</td>
<td>1 11/16&quot; (43)</td>
</tr>
<tr>
<td>VB150</td>
<td>1 1/2&quot; (38)</td>
<td>2 3/16&quot; (56)</td>
</tr>
</tbody>
</table>

Note:
Supplied loose for field cutting & installation
Length supplied as per request

PROJECT: [Project Name]

ENGINEER: [Name]

CUSTOMER: [Customer Name]

SUBMITTAL DATE: 2015/01/02

SPEC. SYMBOL: [Symbol]

SDS, SDR VINYL BLANK OFF

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SDS, SDR METAL BLANKOFF

- TYPICAL FORMED SHAPE OF METAL BLANK-OFF

- TYPICAL CROSS-SECTION OF METAL BLANK-OFF AFTER INSTALLATION.

MODEL | SLOT WIDTH | A     | B
---|------------|-------|---
MB50  | 1/2" (13)  | 1 1/4" (32) | 1" (25)
MB75  | 3/4" (19)  | 1 1/2" (38) | 1 7/32" (31)
MB100 | 1" (25)    | 1 3/4" (44) | 1 15/32" (37)
MB150 | 1 1/2" (38)| 2 1/4" (57) | 1 31/32" (50)

NOTE:
- SUPPLIED LOOSE FOR FIELD CUTTING & INSTALLATION
- MIN. LENGTH 8" (203)
- MAX. LENGTH 96" (2438)
- MATERIAL - STEEL
- TO FIT SDS/SDR DIFFUSERS
- FINISH - B17 BLACK

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: 2015/08/04