SHOEMAKER MANUFACTURING 1.866.940.0696 sm@shoemakermfg.com

# Linear Jet Pair Diffuser Submittal

## T-Bar – Wide Frame – Diffuser Only (Type 2)

MODEL: LJP-T2-DO

LJP-T2-DO
T-BAR WIDE FRAME

### Standard Features:

- Jet pair diffuser designed for higher airflow capacity than conventional linear diffusers
- Jets airstream in a vertical direction in ceiling applications or horizontal direction in sidewall applications
- T-Bar mounting frame style with 1 3/4” frame and flat end caps
- Minimum length 12”
- Unlimited continuous

### Manufacturing Requirements:

Length _____ ☐ feet ☐ inches

☐ Supply – Adjustable split 2-piece Jet Pair controllers for directional air volume control (LJP-T2-S)

☐ Return – less controller (LJP-T2-R)

Number of slots: ☐ 1 ☐ 2

Slot Width: ☐ 1" ☐ 1½" ☐ 2" ☐ 2½" ☐ 3"

### Options:

☐ Flanged end caps

☐ 90° Mitered corners

### Finishes:

STANDARD COLORS

☐ Soft White

☐ Driftwood Tan

☐ Mill Finish

DESIGNER COLORS

☐ Black

☐ Bronze

☐ Storm Gray

☐ Cement Gray

☐ Aluminum Paint

☐ Coffee Tan

☐ Warm White

☐ Glossy White

| **Dimensions** (in inches) | | | |
|---|---|---|---|
| # OF SLOTS | SLOT WIDTH (A) | OVERALL WIDTH (B) | WIDTH OF BACK (C) |
| 1 | 1 | 4 1/2 | 3 1/8 |
| | 1 1/2 | 5 | 3 5/8 |
| | 2 | 5 1/2 | 4 1/8 |
| | 2 1/2 | 6 | 4 5/8 |
| | 3 | 6 1/2 | 5 1/8 |
| 2 | 1 | 7 1/2 | 6 1/8 |
| | 1 1/2 | 8 1/2 | 7 1/8 |
| | 2 | 9 1/2 | 8 1/8 |
| | 2 1/2 | 10 1/2 | 9 1/8 |
| | 3 | 11 1/2 | 10 1/8 |

**Note** ID lengths 1/4" undersized nominal

### Additional Information:

Project / Location:

Engineer:

Architect:

Contractor:

Submittal Notes

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# Linear Jet Pair Diffuser Submittal

## T-Bar – Wide Frame with Fiberglass Plenum (Type 2)

MODEL: LJP-T2-FP

LJP-T2-FP
T-BAR WIDE FRAME

### LINEAR JET PAIR DIFFUSER Standard Features:

- Jet Pair diffuser designed for higher airflow capacity than conventional linear diffusers
- Jets airstream in a vertical direction in ceiling applications or horizontal direction in sidewall applications
- T-Bar mounting frame style with 1 3/4" frame and flat end caps
- Rigid fiberglass plenum, allows for multiple locations of field installed spin in collar (collar provided by others)
- Fiberglass plenum ships installed on diffuser
- Minimum length 12"
- Unlimited continuous sections available with butt joints
- Soft White

### Manufacturing Requirements:

Length _____ ☐ feet ☐ inches

☐ Supply – Adjustable split 2-piece Jet Pair controllers for directional air volume control (LJP-T2-S)

☐ Return – less controller (LJP-T2-R)

Number of slots: ☐ 1 ☐ 2

Slot Width: ☐ 1" ☐ 1½" ☐ 2" ☐ 2½" ☐ 3"

### Options:

☐ Flanged end caps

☐ 90° Mitered corners

### Finishes:

STANDARD COLORS

☐ Soft White
☐ Driftwood Tan
☐ Mill Finish

DESIGNER COLORS

☐ Black
☐ Bronze
☐ Storm Gray
☐ Cement Gray
☐ Aluminum Paint
☐ Coffee Tan
☐ Warm White
☐ Glossy White

**Dimensions** (in inches)

| # OF SLOTS | SLOT WIDTH (A) | OVERALL WIDTH (B) | PLENUM WIDTH (D) |
|---|---|---|---|
| 1 | 1 | 4 1/2 | 4 1/8 |
| | 1 1/2 | 5 | 4 5/8 |
| | 2 | 5 1/2 | 5 1/8 |
| | 2 1/2 | 6 | 5 5/8 |
| | 3 | 6 1/2 | 6 1/8 |
| 2 | 1 | 7 1/2 | 7 1/8 |
| | 1 1/2 | 8 1/2 | 8 1/8 |
| | 2 | 9 1/2 | 9 1/8 |
| | 2 1/2 | 10 1/2 | 10 1/8 |
| | 3 | 11 1/2 | 11 1/8 |

**Note** ID lengths 1/4" undersized nominal

### Additional Information:

Project / Location:

Engineer:

Architect:

Contractor:

Submittal Notes



Shoemaker Manufacturing 618 East 1st Street, Cle Elum, WA

Last Revised: 12/13/21

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# Linear Jet Pair Diffuser Submittal

## T-Bar ¬– Wide Frame with Metal Plenum (Type 2)

MODEL: LJP-T2-SDP, LJP-T2-DP

LJP-T2-SDP
T-BAR WIDE FRAME

LJP-T2-DP
T-BAR WIDE FRAME

**Dimensions** (in inches)

| # OF SLOTS | SLOT WIDTH (A) | OVERALL WIDTH (B) | SDP WIDTH (J) | DP WIDTH (K) |
|---|---|---|---|---|
| 1 | 1 | 4 1/2 | 3 1/4 | 4 1/4 |
| | 1 1/2 | 5 | 3 3/4 | 4 3/4 |
| | 2 | 5 1/2 | 4 1/4 | 5 1/4 |
| | 2 1/2 | 6 | 4 3/4 | 5 3/4 |
| | 3 | 6 1/2 | 5 1/4 | 6 1/4 |
| 2 | 1 | 7 1/2 | 6 1/4 | 7 1/4 |
| | 1 1/2 | 8 1/2 | 7 1/4 | 8 1/4 |
| | 2 | 9 1/2 | 8 1/4 | 9 1/4 |
| | 2 1/2 | 10 1/2 | 9 1/4 | 10 1/4 |
| | 3 | 11 1/2 | 10 1/4 | 11 1/4 |

**Note:** Diffuser ID lengths 1/4" undersized nominal. Metal plenum manufactured to nominal dimensions. If duct opening is 48", plenum will be 48" and diffuser will be 47-3/4".

### LINEAR JET PAIR DIFFUSER Standard Features:

- Jet pair diffuser designed for higher airflow capacity than conventional linear diffusers
- Jet airstream in a vertical direction in ceiling applications or horizontal direction in sidewall applications
- T-Bar mounting frame style with 1 3/4" frame and flat end caps
- Minimum length 12"
- Unlimited continuous sections available with butt joints
- Soft White

### Manufacturing Requirements:

Length _____ ☐ feet ☐ inches

☐ Supply – Adjustable split 2-piece Jet Pair controllers for directional air volume control (LJP-T2-S)

☐ Return – less controller (LJP-T2-R)

Number of slots: ☐ 1 ☐ 2

Slot Width: ☐ 1" ☐ 1½" ☐ 2" ☐ 2½" ☐ 3"

### Options:

☐ Flanged end caps

☐ 90° Mitered corners

### Finishes:

☐ Soft White

☐ Driftwood Tan

☐ Mill Finish

☐ Designer Color _____

### METAL PLENUM Standard Features:

- Metal Plenums ships separately from diffuser
- 24 gauge galvannealed steel plenum
- Minimum length 12" and maximum single piece length is 6'
- Metal plenum ships separately from diffuser and requires field assembly

### Manufacturing Requirements:

☐ Short Distribution Plenum – SDP (standard, height set at 9")

☐ Distribution Plenum – DP (height = inlet diameter + 4")

Internal insulation: ☐ ½" fiberglass (std) – L ☐ ½" fiberglass w/foil back– LEX
☐ Closed cell – C

External insulation: ☐ ½" fiberglass w/foil back (std) – EX
☐ 1" fiberglass – 1" – EX1

☐ No insulation – N

Oval inlet sizes: ☐ 5" ☐ 6" ☐ 7" ☐ 8" ☐ 10" ☐ 12" ☐ 14" ☐ 16" (SDP and DP)

Round inlet sizes: ☐ 5" ☐ 6" ☐ 7" ☐ 8" ☐ 10" ☐ 12" ☐ 14" ☐ 16" (DP only)

☐ No inlet (SDP and DP)

### Options:

☐ Rod controlled damper

☐ Twist controlled damper

☐ Cord controlled damper

☐ Perforated steel baffle* – Type A - #69

☐ Solid steel baffle* – Type B - #70

*Optional performance baffles improve comfort in short throw applications by widening the spread of the discharge air

### Additional Information:

Project / Location:

Engineer:

Architect:

Contractor:

Submittal Notes

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# Commercial Submittal

## Mitered Corner
## Linear Jet Bar (1 Slot Configuration)

LJP Mitered Corner
1 Slot Types 2, 4

| Dimensions (in inches) | | | |
|---|---|---|---|
| | Type 2, 4 | | |
| SLOT WIDTH | (L) | (B) | (D) |
| 1 | 9 | 4 1/2 | 4 1/2 |
| 1 1/2 | 9 | 5 | 4 |
| 2 | 9 | 5 1/2 | 3 1/2 |
| 2 1/2 | 9 | 6 | 3 |
| 3 | 9 | 6 1/2 | 2 1/2 |

LJP Mitered Corner
1 Slot Type 3

| Dimensions (in inches) | | | |
|---|---|---|---|
| | Type 3 | | |
| SLOT WIDTH | (L) | (B) | (D) |
| 1 | 10 | 5 1/2 | 4 1/2 |
| 1 1/2 | 10 | 6 | 4 |
| 2 | 10 | 6 1/2 | 3 1/2 |
| 2 1/2 | 10 | 7 | 3 |
| 3 | 10 | 7 1/2 | 2 1/2 |

## Additional Information:

| | |
|---|---|
| Project / Location: | Submittal Notes |
| Engineer: | |
| Architect: | |
| Contractor: | |

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# Commercial Submittal

## Mitered Corner
## Linear Jet Bar (2 Slot Configuration)

LJP Mitered Corner
2 Slot Types 2, 4,

| Dimensions (in inches) | | | |
|---|---|---|---|
| | Type 2, 4 | | |
| SLOT WIDTH | (L) | (B) | (D) |
| 1 | 18 | 7 1/2 | 10 1/2 |
| 1 1/2 | 18 | 8 1/2 | 9 1/2 |
| 2 | 18 | 9 1/2 | 8 1/2 |
| 2 1/2 | 18 | 10 1/2 | 7 1/2 |
| 3 | 18 | 11 1/2 | 6 1/2 |

LJP Mitered Corner
2 Slot Type 3

| Dimensions (in inches) | | | |
|---|---|---|---|
| | Type 3 | | |
| SLOT WIDTH | (L) | (B) | (D) |
| 1 | 19 | 8 1/2 | 10 1/2 |
| 1 1/2 | 19 | 9 1/2 | 9 1/2 |
| 2 | 19 | 10 1/2 | 8 1/2 |
| 2 1/2 | 19 | 11 1/2 | 7 1/2 |
| 3 | 19 | 12 1/2 | 6 1/2 |

## Additional Information:

| | |
|---|---|
| Project / Location: | Submittal Notes |
| Engineer: | |
| Architect: | |
| Contractor: | |