SHOEMAKER MANUFACTURING 1.866.940.0696 sm@shoemakermfg.com

Linear Jet Pair Diffuser Submittal

Tape & Mud Frame – Diffuser only (Type 3)

MODEL: LJP-T3-DO

LJP-T3-DO
TAPE AND MUD

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
- Tape & Mud flange for frameless and flush installation
- 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-T3-S)

☐ Return – less controller (LJP-T3-R)

Number of slots: ☐ 1 ☐ 2

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

Options:

☐ 90° Mitered corners

Finishes: For LJP with 1 Slot, only Soft White and Mill Finish is an available finish.

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)	OPENING WIDTH (E)
1	1	5 1/2	3 1/2	3 1/8
	1 1/2	6	4	3 5/8
	2	6 1/2	4 1/2	4 1/8
	2 1/2	7	5	4 5/8
	3	7 1/2	5 1/2	5 1/8
2	1	8 1/2	6 1/2	6 1/8
	1 1/2	9 1/2	7 1/2	7 1/8
	2	10 1/2	8 1/2	8 1/8
	2 1/2	11 1/2	9 1/2	9 1/8
	3	12 1/2	10 1/2	10 1/8

Note ID lengths 1/4" undersized nominal

Additional Information:

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

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Linear Jet Pair Diffuser Submittal

Tape & Mud Frame with Fiberglass Plenum (Type 3)

MODEL: LJP-T3-FP

LJP-T3-FP
TAPE & MUD

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
- Tape & Mud flange for frameless and flush installation
- 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-T3-S)

☐ Return – less controller (LJP-T3-R)

Number of slots: ☐ 1 ☐ 2

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

Options:

☐ 90° Mitered corners

Finishes: For LJP with 1 Slot, only Soft White or Mill Finish is an available finish.

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)	OPENING WIDTH (E)
1	1	5 1/2	4 1/8	3 1/8
	1 1/2	6	4 5/8	3 5/8
	2	6 1/2	5 1/8	4 1/8
	2 1/2	7	5 5/8	4 5/8
	3	7 1/2	6 1/8	5 1/8
2	1	8 1/2	7 1/8	6 1/8
	1 1/2	9 1/2	8 1/8	7 1/8
	2	10 1/2	9 1/8	8 1/8
	2 1/2	11 1/2	10 1/8	9 1/8
	3	12 1/2	11 1/8	10 1/8

Note ID lengths 1/4" undersized nominal

Note:

The Type 3 Tape and Mud Flange is an effective and seamless mounting application for 1/2” or 5/8” drywall. Designed to create a frameless finished look. To install simply place diffuser in framed opening and screw through the flange to attach the product to the framed opening. Once secure, install sheetrock to cover flange and butt up to the frame’s edges. Finish installing by taping and mudding the product and sheetrock to create the desired seamless finish.

Additional Information:

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

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Linear Jet Pair Diffuser Submittal

Tape & Mud Frame with Metal Plenum (Type 3)

MODEL: LJP-T3-SDP, LJP-T3-DP

LJP-T3-SDP
TAPE AND MUD

LJP-T3-DP
TAPE AND MUD

Dimensions (in inches)					
# OF SLOTS	SLOT WIDTH (F)	OVERALL WIDTH (H)	SDP WIDTH (J)	DP WIDTH (K)	OPENING WIDTH (E)
1	1	5 1/2	3 3/4	4 3/4	3 1/8
	1 1/2	6	4 1/4	5 1/4	3 5/8
	2	6 1/2	4 3/4	5 3/4	4 1/8
	2 1/2	7	5 1/4	6 1/4	4 5/8
	3	7 1/2	5 3/4	6 3/4	5 1/8
2	1	8 1/2	6 3/4	7 3/4	6 1/8
	1 1/2	9 1/2	7 3/4	8 3/4	7 1/8
	2	10 1/2	8 3/4	9 3/4	8 1/8
	2 1/2	11 1/2	9 3/4	10 3/4	6 1/8
	3	12 1/2	10 3/4	11 3/4	10 1/8

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
- Jets airstream in a vertical direction in ceiling applications or horizontal direction in sidewall applications
- Tape & Mud flange for frameless and flush installation
- 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-T3-S)

☐ Return – less controller (LJP-T3-R)

Number of slots: ☐ 1 ☐ 2

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

Options:

☐ 90° Mitered corners

Finishes: For LJP with 1 Slot, only Soft White or Mill Finish is an available finish.

☐ Soft White ☐ Mill Finish

☐ Driftwood Tan ☐ Designer Color _____

METAL PLENUM Standard Features:

- 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:

Damper: ☐ Rod ☐ Twist ☐ Cord

☐ 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

Install Notes Metal Plenum must be installed before the diffuser is installed.The Type 3 Tape and Mud Flange is an effective and seamless mounting application for 1/2" or 5/8" drywall. Designed to create a frameless finished look. To install simply place diffuser in framed opening and screw through the flange to attach the product to the framed opening. Once secure, install sheetrock to cover flange and butt up to the frame's edges. Finish installing by taping and mudding the product and sheetrock to create the desired seamless finish.

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:	