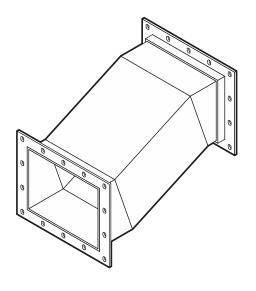
RECTANGULAR DUCT ORDER COVER SHEET

Catalog 04/20.6

COMPANY:	
MAILING ADDRESS:	
CITY / STATE / ZIP CODE:	
PROJECT MGR.:	
PHONE NO.:	ORDER DATE:
EMAIL:	DELIVERY DATE:
SHIP TO:	
STREET / ROAD:	
CITY / STATE / ZIP CODE:	
PROJECT NAME.:	
PHONE NO.:	
INDICATE SYSTEM PRESSURE -6" WG -10" WG (-1.493 kPa) (-2.488 kPa)	E CLASS: -14" WG -3.484 kPa) -18" WG (-4.479 kPa)
OTHER	::

PermaShield[®]

Stainless Steel Corrosive Fume Exhaust System With PermaShield Fluoropolymer Barrier Coating



Fab-Tech An Exyte Group Company

480 Hercules Drive / Colchester, VT 05446 Tel: 802-655-8800 / Fax: 802-655-8804

Email: info@fabtechinc.com Web: www.fabtechinc.com

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	Straight Duct with Rectangular Lateral Tap								
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	Straight Duct with Multiple Taps								
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Mounting Flange Standards

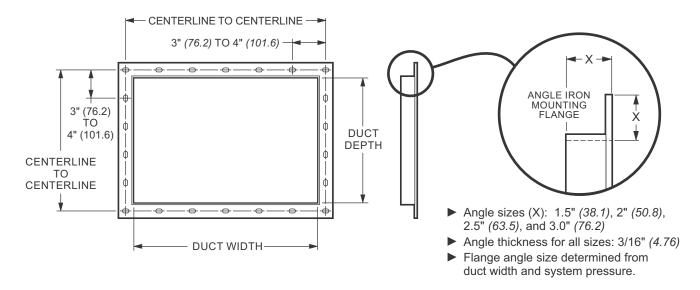


TABLE BELOW IS FOR STANDARD DUCT LENGTH OF 48-1/4" (1225.6)

			,	
	PRESSURE CLASS	PRESSURE CLASS	PRESSURE CLASS	PRESSURE CLASS
	-6" W.G. (-1.493 kPa)	-10" W.G. (-2.488 kPa)	-14" W.G. (-3.484 kPa)	-18" W.G. (-4.479 kPa)
	DUCT 16GA (1.52)	DUCT 12GA (2.67)	DUCT 12GA (2.67)	DUCT 10GA (3.43)
DUCT WIDTH	ANGLE IRON SIZE	ANGLE IRON SIZE	ANGLE IRON SIZE	ANGLE IRON SIZE
12" (304.8) - 24" (609.6)	1.5" (38.1)	1.5" (38.1)	1.5" (38.1)	2" (50.8)
26" (660.4) - 36" (914.4)	1.5" (38.1)	2" (50.8)	2" (50.8)	2" (50.8)
38" (965.2) - 48" (1219.2)	2" (50.8)	2" (50.8)	2" (50.8)	3.0" (76.2)
INTERIOR STIFFENE	R ADDED FOR 50" (1270.0) AND LARGEF	3	
50" (1270.0) - 60" (1524.0)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
62" (1574.8) - 72" (1828.8)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
74" (1879.6) - 84" (2133.6)	2" (50.8)	2" (50.8)	2" (50.8)	2.5" (63.5)
86" (2184.4) - 96" (2438.4)	2" (50.8)	2" (50.8)	2.5" (63.5)	3.0" (76.2)

NOTES: 1. FLANGE MATERIAL IS STAINLESS STEEL.

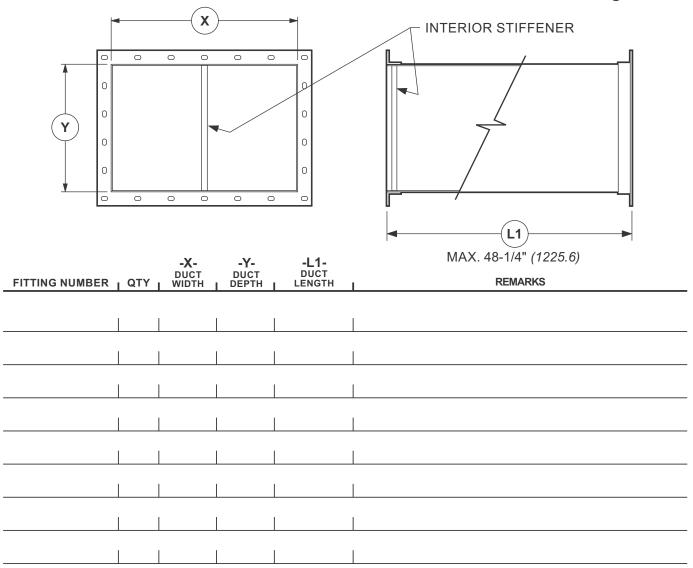
- 2. THE NUMBER OF HOLES FOR THE BOLT HOLE PATTERN IS DETERMINED FROM THE DUCT WIDTH AND DEPTH. HOLE TO HOLE DISTANCE WILL BE CALCULATED TO BE BETWEEN 3" (76.2mm) TO 4" (101.6mm). OBLONG HOLES ARE PUNCHED ALONG THE FLANGE CENTERLINE.
- 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 4. INTERIOR STIFFENERS (1" SCH40 PIPE) ARE WELDED BETWEEN DUCT SIDES THAT ARE 50" (1279.0mm) WIDE OR GREATER. SEPARATE OFFSET STIFFENERS ARE USED WHEN BOTH DUCT WIDTH AND DEPTH ARE 50" (1279.0mm) OR GREATER.
- 5. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



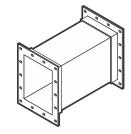
Straight Duct



- NOTES: 1. SEE THE STANDARDS SECTION OF THE PRODUCT CATALOG FOR INFORMATION ABOUT DUCT GAUGE, RING MECHANICAL SPECS, HARDWARE AND GASKETS.
 - 2. 1 OPTION: CUSTOM LENGTH
 - 3. 2 OPTION: RAW END
 - 4. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - 5. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - 6. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - 7. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

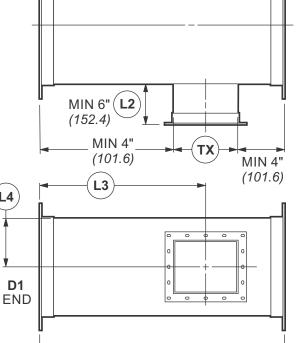


Straight Duct with Straight Rectangular Tap

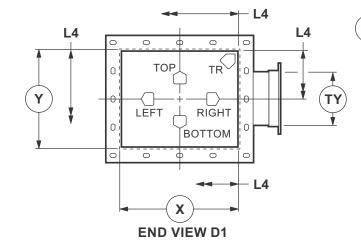
NOTES:

- 1. 1 OPTION: CUSTOM LENGTH
- 2. 2 OPTION: RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
- 7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.

 TOP BOTTOM LEFT RIGHT



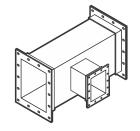
MAX. 48-1/4" (1225.6)



	DUC	T SPECIFIC	ATIONS	TAP SPECIFICATIONS				NS			
FITTING NUMBER QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR		

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



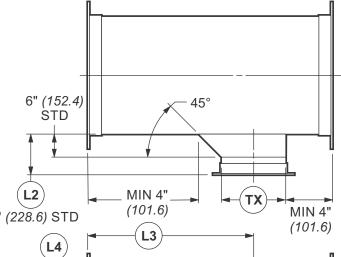
Straight Duct with Rectangular Boot Tap

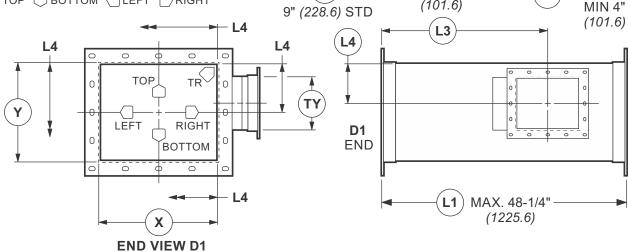
NOTES:

- 1. 1 OPTION: CUSTOM LENGTH
- 2. 2 OPTION: RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.

TOP BOTTOM LEFT RIGHT

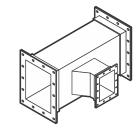




	DUC	T SPECIFIC	CATIONS			TAP SP	PECIFICATIONS		
_FITTING NUMBER QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:





Straight Duct with Rectangular Conical Tap

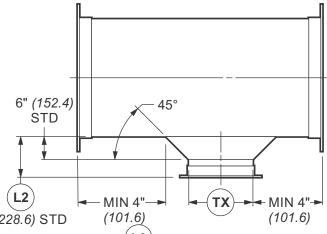
NOTES:

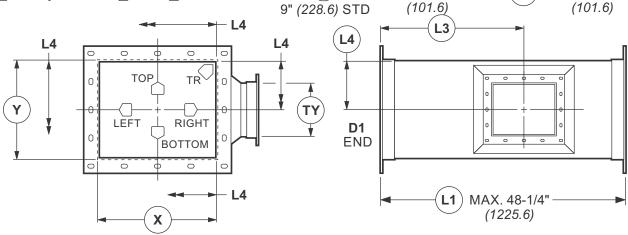
- 1. 1 OPTION: CUSTOM LENGTH
- 2. 2 OPTION: RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.

TOP BOTTOM LEFT RIGHT

END VIEW D1

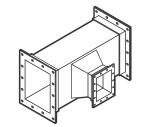




		DUC ⁻	T SPECIFIC	ATIONS	TAP SPECIFICATIONS						
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE 1	TX- TAP 'IDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR	
		1							1		
		<u> </u>							<u> </u>		
						1					

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:





MIN 4"→

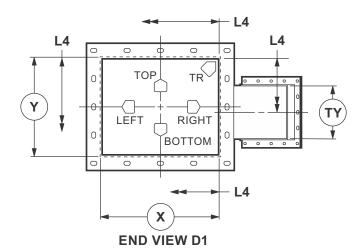
(101.6)

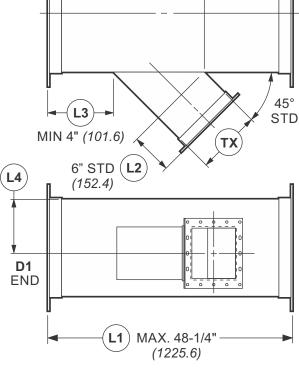
Straight Duct with Rectangular Lateral Tap

NOTES:

- 1. 1 OPTION: CUSTOM LENGTH
- 2. 2 OPTION: RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
- 7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.

 ☐ TOP ☐ BOTTOM ☐ LEFT ☐ RIGHT





		DUC.	T SPECIFIC	ATIONS			TAP SF	ECIFICATIO	NS	
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM L TR

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

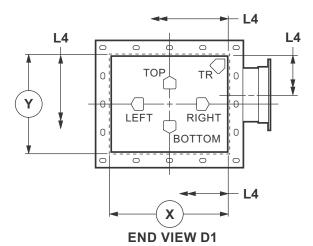
REMARKS:

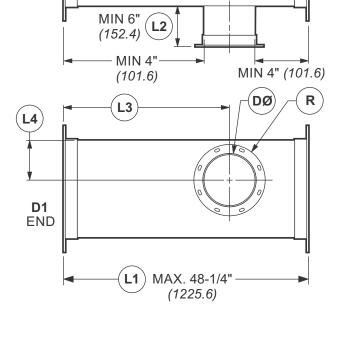
Straight Duct with Round Tap

NOTES:

- 1. 1 OPTION: CUSTOM LENGTH
- 2. 2 OPTION: RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
- 7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.

 ☐ TOP ☐ BOTTOM ☐ LEFT ☐ RIGHT



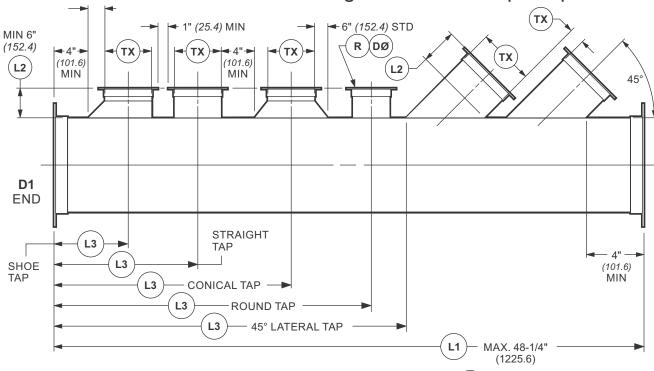


		DUC.	T SPECIFIC	ATIONS	TAP SPECIFICATIONS						
FITTING NUMBER	_I QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-DØ- *LOCATE TAP TAP DIA.	-R- TAP RING TYPE	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR		
	l	I									
	 	 				<u> </u>		<u> </u>			

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

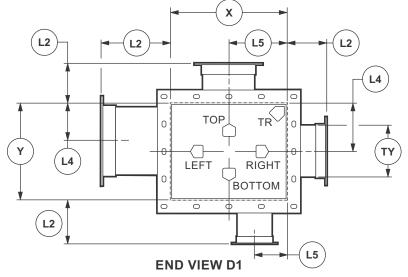
REMARKS:

Straight Duct with Multiple Taps Guideline



DUCT JOINT / RING TYPE

- EZ CLAMP 4"Ø-14"Ø (101.6 - 355.6)
- STAINLESS CAST RING 4"Ø-14"Ø (101.6 - 355.6)
- **BLACK IRON ANGLE RING** 4"Ø-120"Ø (101.6 - 3048.0)
- STAINLESS ANGLE RING 16"Ø-120"Ø (406.4 - 3048.0)

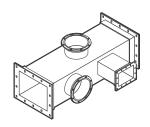


- NOTES: 1. 1 OPTION: CUSTOM LENGTH
 - 2. 2 OPTION: RAW END
 - 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:

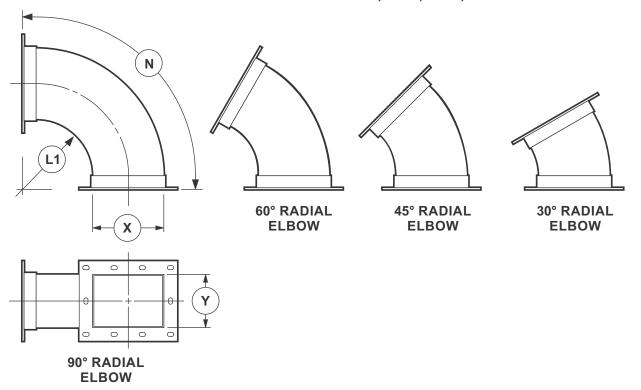


10

Straight Duct with Multiple Taps

				DUCT	SPECIFICATIONS						
FITT	ING NUMBER , QTY	-X- DUCT WIDTH	DUCT I	-L1- DUCT ENGTH		REMARKS					
	'			<u> </u>							
	TAP SPE	ECIFICATIONS	- ONLY LISE (COLUMNS THAT A	PPI V FOR THE SI	PECIFIC TAP SEL	ECTED				
	TAI OIL	2011 10/11/10110	-L3-	-L4-	-L5-	"R"	LOTED				
	-TXTY- TAP TAP WIDTH DEPTH	-L2- TAP LENGTH L	LOCATE TAP FROM D1 END	LOCATE HORIZONTAL TAP FROM TR	LOCATE VERTICAL TAP FROM TR	"DØ" TAP TAP RING DIA. TYPE	SPECIFY LOCATION OF TAP				
TAP #1	SELECT TAP TYPE:	STRAIGHT:	ВООТ :	OCONICAL:	OLATERAL:	ROUND:	LEFT TOP RIGHT				
TAP #2	SELECT TAP TYPE:	STRAIGHT:	Овоот:	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT				
TAP #3	SELECT TAP TYPE:	STRAIGHT:	ВООТ :	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT BOTTOM				
TAP #4	SELECT TAP TYPE:	STRAIGHT:	○воот:	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT				
TAP #5	SELECT TAP TYPE:	STRAIGHT:	⊜воот:	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT BOTTOM				
TAP #6	SELECT TAP TYPE:	STRAIGHT:	Овоот:	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT				
TAP #7	SELECT TAP TYPE:	STRAIGHT:	Воот :	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT				
TAP #8	SELECT TAP TYPE:	STRAIGHT:	ВООТ :	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT				
TAP #9	SELECT TAP TYPE:	STRAIGHT:	ВООТ :	OCONICAL:	OLATERAL:	OROUND:	LEFT TOP RIGHT				
NOTES: 1. USE THE GUIDELINES ON THE PRECEDING PAGE FOR ASSISTANCE IN LOCATING THE SPECIFIC TAP TYPES TO BE INCLUDED ON THIS DUCT FITTING. 2. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION. METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)											
REMA											

90°, 60°, 45°, 30° or Custom Elbow



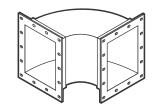
FITTING NUMBER	_I QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-N- ELBOW ANGLE	-N- CUSTOM ANGLE	-L1- THROAT RADIUS	REMARKS
				90° 45°			
				60° 30°			
			1	90° 45°			
				60° 30° 45°			
	ı	I	ı	90° 45°		I	I
				90° 45°			
				60° 30°			
				90°45°			
				60° 30°			
				90° 45°			
				60°			

NOTES: 1. 1 OPTION: RAW END

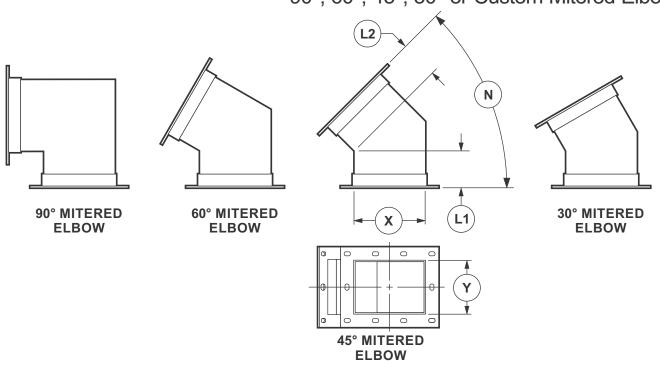
- 2. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 3. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED

REMARKS:



90°, 60°, 45°, 30° or Custom Mitered Elbow



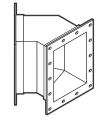
FITTING NUMBER	QTY I	-X- DUCT WIDTH	-Y- DUCT DEPTH	-N- ELBOW ANGLE	-N- CUSTOM ANGLE	-L1- THROAT LENGTH	-L2- THROAT LENGTH	REMARKS
				90° 45°				
				60° 30°				
				90° 45°				
				60° 30°				
				90° 45°				
				60° 30°				
				90° 45°				
				60° 30°				
				90° 45°				
				60° 30°				
				90° 45°				
				60° 30°				
				90° 45°				
				60° 30°				

NOTES: 1. 1 OPTION: RAW END

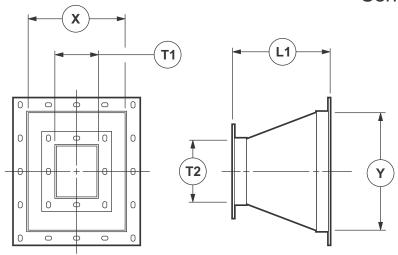
- 2. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 3. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



Concentric Transition



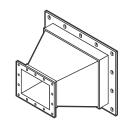
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-T1- TRANSITION WIDTH	-T2- TRANSITION DEPTH	REMARKS
	ı	I	I	ı	I	I	I
	I	I	I	I	I	I	I
							<u> </u>
	l		1	I			I
			1	ı	I		

NOTES: 1. 1 OPTION: RAW END

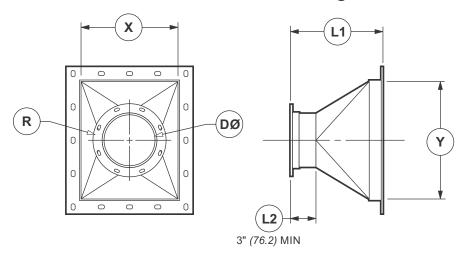
- 2. FOR ECCENTRIC RECTANGULAR TO RECTANGULAR FITTING, USE THE CUSTOM FITTING ORDER SHEET.
- 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



Concentric Rectangular to Round Transition



FITTING NUMBER	_I QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-DØ- ROUND DIAMETER	-R- RING TYPE	-L2- THROAT LENGTH	REMARKS
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NOTES: 1. 1 OPTION: RAW END

- 2. FOR ECCENTRIC RECTANGULAR TO ROUND FITTING, USE THE CUSTOM FITTING ORDER SHEET.
- 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:

DUCT JOINT / RING TYPE

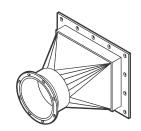
EZ CLAMP

4"Ø-14"Ø (101.6 - 355.6)

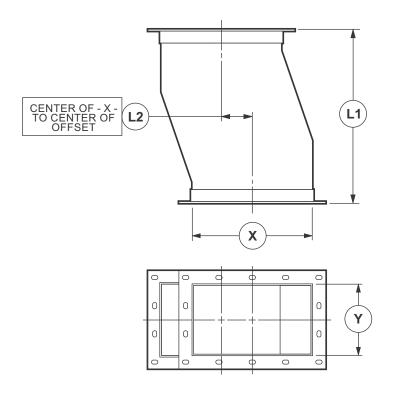
SC STAINLESS CAST RING 4"Ø-14"Ø (101.6 - 355.6)

BI BLACK IRON ANGLE RING 4"Ø-120"Ø (101.6 - 3048.0)

STAINLESS ANGLE RING 16"Ø-120"Ø (406.4 - 3048.0)



Offset



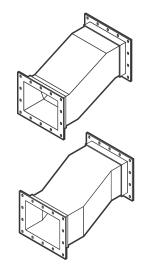
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-L2- OFFSET	REMARKS
	I	I	I			

NOTES: 1. 1 OPTION: RAW END

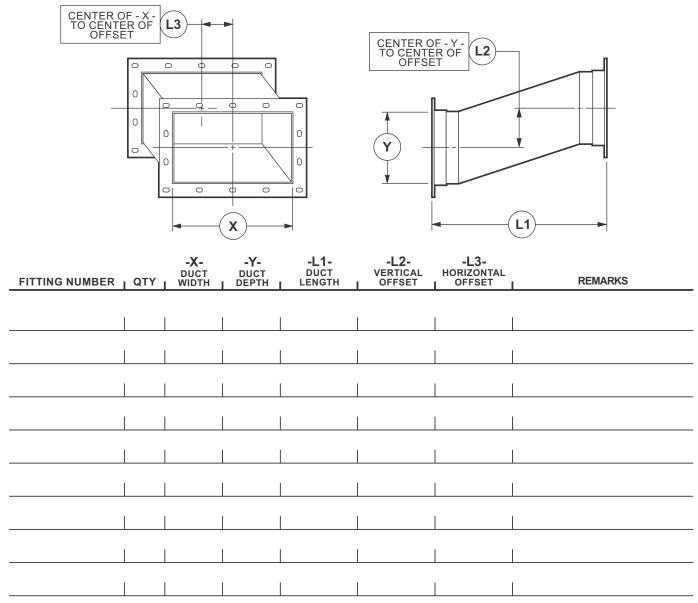
- 2. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 3. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- 4. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 5. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



Double Offset

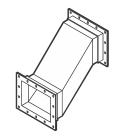


NOTES: 1. 1 OPTION: RAW END

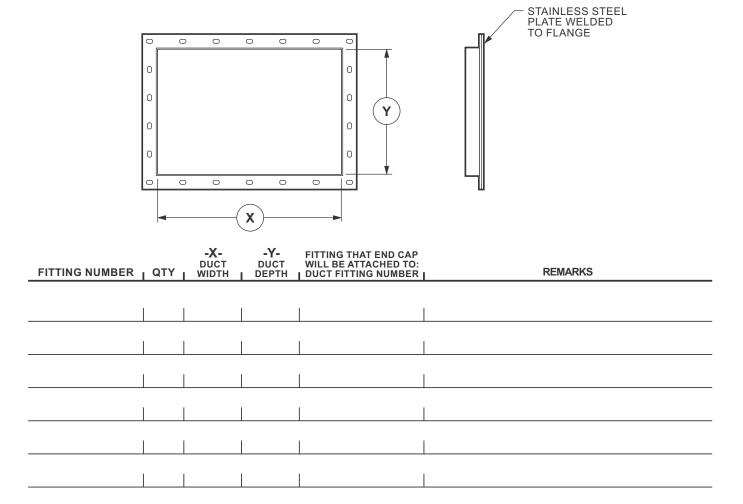
- 2. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 3. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- 5. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



End Cap

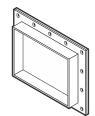


NOTES: 1. FLANGE MATERIAL WILL BE STAINLESS STEEL UNLESS OTHER MATERIAL IS SPECIFIED.

- 2. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- 3. AN INTERIOR STIFFENER (ANGLE MATERIAL MATCHING THE FRAME) IS ADDED AT THE FLANGE MIDPOINT OR WHERE AESTHETICALLY PLEASING FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER (AS REQUIRED TO MEET MAXIMUM 4" (101.6) HOLE SPACING).
- 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



Perma Shield [®]	RECTANGULAR DUCT ORDER SHEET 19
	Custom Fitting
FITTING NUMBER QTY	REMARKS
NOTES: 1. DUCT WIDTH O	OR DEPTH OF 98" <i>(2489.2mm)</i> AND LARGER REQUIRES FAB-TECH REVIEW AND APPROVAL.
2. AN INTERIOR S	STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE
	DUCT WIDTH OR DEPTH OF 50" <i>(1270.0)</i> AND GREATER. N STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES
MAY REQUIRE	ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
	INGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS OR HARDWARE AS REQUIRED FOR INSTALLATION.
METRIC EQUIVALENTS ARE	E SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)
REMARKS:	
COMPANY / JOB REFEREN	CE:

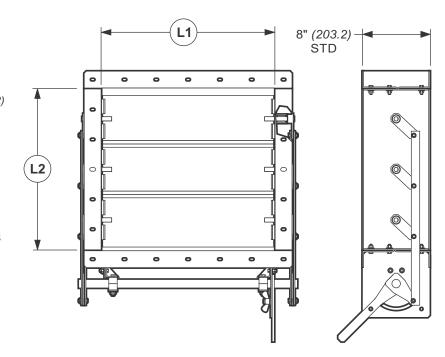
Damper Actuator Worksheet

ACTUATOR TY	PE:	DAMPER SIZE:					
\sim	Available Air Press Voltage						
Spring ReturnDouble Acting	Fail OpenFail Closed	RECOMMENDED NO OPEN/CLOSE TO (inch pounds	RQUE				
O Double Acting		ISOLATION DAI	 MPFR				
Limit Switch	1 Switch2 Switch	SIZE	TORQUE				
Feedback PotePositioner		Ø4" (101.6) - Ø14" (355.6) Ø16" (406.4) - Ø48" (1219.2) Ø50" (1270.0) AND LARGER	1000 <i>(112.98 Nm)</i>				
O Position Indica		RECTANGULAR D	AMPER				
Manual OverriSolenoid Valve		LONGEST SIDE UP TO 48" (1219.2)	1000 <i>(112.98 Nm)</i>				
Accessory Part Nu	umber:						
AND CLAMPS OR H	HARDWARE AS REQUIRED	ECH CONNECTIONS INCLUDE GASKETS FOR INSTALLATION. ITALICS (MILLIMETERS OR AS NOTED)					
OMPANY / JOB REFERENCE:	:						

Industrial Rectangular Parallel Blade Control Damper

SPECIFICATIONS

- ► FRAME 8" (203.2) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ► MOUNTING HOLES [.562" (14.27) x .750" (19.05) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ► BLADES 10 GA (3.43) STAINLESS STEEL
- ► AXLES .50" (12.7) DIAMETER STAINLESS STEEL
- ► LIQUID TIGHT SHAFT SEALS
- ► LINKAGES LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.43) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ► QUADRANT PLATES 10 GA (3.43) STAINLESS STEEL
- ► QUADRANT LEVER .25" (6.35) STAINLESS STEEL
- ► FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS



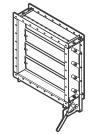
FITTING NUMBER	_I QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS
	l	1		

NOTES: 1. 1 OPTION: ACTUATOR MOUNTING KITS

- 2. 2 OPTION: BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
- 3. 3 OPTION: PNEUMATIC / ELECTRIC ACTUATOR
- 4. 4 OPTION: GEAR DRIVE WITH LOCKING DAMPER SHAFT
- 5. IF L1 OR L2 ARE LARGER THAN 36" (914.4), A HEAVY DUTY DAMPER IS REQUIRED.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

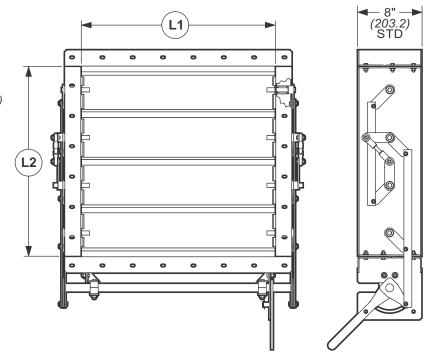
REMARKS:



Industrial Rectangular Opposed Blade Control Damper

SPECIFICATIONS

- ► FRAME 8" (203.2) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ► MOUNTING HOLES [.562" (14.27) x .750" (19.05) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ► BLADES 10 GA (3.43) STAINLESS STEEL
- ► AXLES .50" (12.7) DIAMETER STAINLESS STEEL
- ► LIQUID TIGHT SHAFT SEALS
- ► LINKAGES LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.43) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ► QUADRANT PLATES 10 GA (3.43) STAINLESS STEEL
- ► QUADRANT LEVER .25" (6.35) STAINLESS STEEL
- ► FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS



FITTING NUMBER	QTY	DUCT WIDTH	DUCT DEPTH	I REMARKS

NOTES: 1. 1 OPTION: ACTUATOR MOUNTING KITS

- 2. 2 OPTION: BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
- 3. 3 OPTION: PNEUMATIC / ELECTRIC ACTUATOR

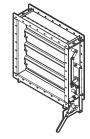
1 1

1 2

- 4. 4 OPTION: GEAR DRIVE WITH LOCKING DAMPER SHAFT
- 5. IF L1 OR L2 ARE LARGER THAN 36" (914.4), A HEAVY DUTY DAMPER IS REQUIRED.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

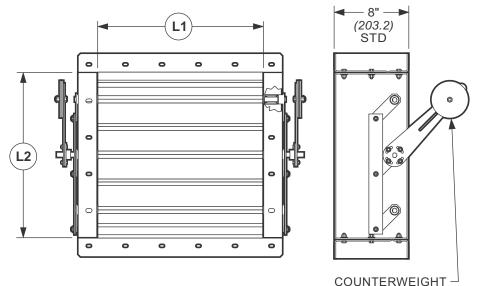
REMARKS:



Industrial Rectangular Backdraft Damper

SPECIFICATIONS

- ► 10 GA (3.43) STAINLESS STEEL FRAME, 8" (203.2) STD LENGTH WITH 2" (50.8) FLANGES, CENTER SUPPORT AS REQUIRED
- ► FLANGE MOUNTING HOLES [.562" (14.27) X .750" (19.05) SLOT] EQUAL TO OR LESS THAN 4" (101.6) ON CENTER
- ► 14 GA (1.91) STAINLESS STEEL BLADES
- ► .50" (12.7) DIAMETER STAINLESS STEEL AXLES
- ► LIQUID TIGHT SHAFT SEALS
- ► ALL LINKAGES 10 GA (3.43) STAINLESS STEEL OUTSIDE AIRSTREAM
- MANUAL ADJUSTABLE COUNTERWEIGHTS
- ► PTFE FRAME SEALS



FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS
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NOTES: 1. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WITH LINKAGE IS REQUIRED.

2. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

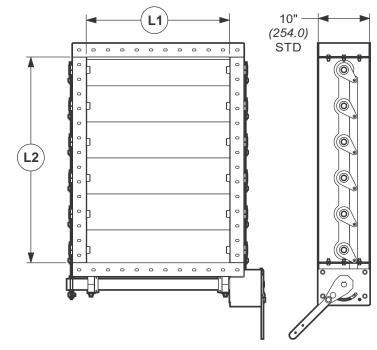
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

Heavy Duty Rectangular Parallel Blade Control Damper

SPECIFICATIONS

- ► FRAME 10" (254.0) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ► MOUNTING HOLES [.562" (14.27) x .750" (19.05) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ► BLADES 10 GA (3.43) STAINLESS STEEL
- ► AXLES 1.38" (35.05) DIAMETER STAINLESS STEEL
- ► LIQUID TIGHT SHAFT SEALS
- ► LINKAGES LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.43) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ► QUADRANT PLATES 10 GA (3.43) STAINLESS STEEL
- ▶ QUADRANT LEVER .25" (6.35) STAINLESS STEEL
- ► FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS



FITTING NUMBER	_I QTY	-L1- DUCT I WIDTH	-L2- DUCT DEPTH	REMARKS
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	I			1
		1	1	
	I	I		

NOTES: 1. 1 OPTION: ACTUATOR MOUNTING KITS

- 2. 2 OPTION: BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
- 3. 3 OPTION: PNEUMATIC / ELECTRIC ACTUATOR
- 4. 4 OPTION: GEAR DRIVE WITH LOCKING DAMPER SHAFT
- 5. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WITH LINKAGE IS REQUIRED.
- 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

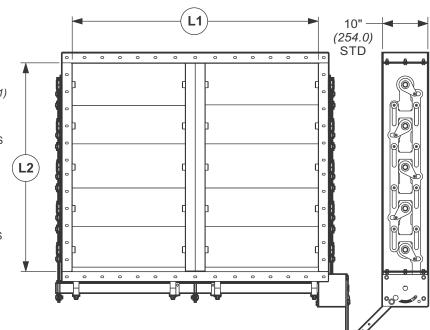
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

Heavy Duty Rectangular Opposed Blade Control Damper

SPECIFICATIONS

- ► FRAME 10" (254.0) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ► MOUNTING HOLES [.562" (14.3) x .750" (19.1) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ► BLADES 10 GA (3.57) STAINLESS STEEL
- ► AXLES 1.38" (34.9) DIAMETER STAINLESS STEEL
- ► LIQUID TIGHT SHAFT SEALS
- ► LINKAGE LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.57) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ► QUADRANT PLATES 10 GA (3.57) STAINLESS STEEL
- ► QUADRANT LEVER .25" (6.35) STAINLESS STEEL
- ► FULL OPEN / FULL CLOSE LOCKOUTS
- ► PTFE FRAME SEALS

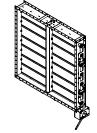


FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	I REMARKS

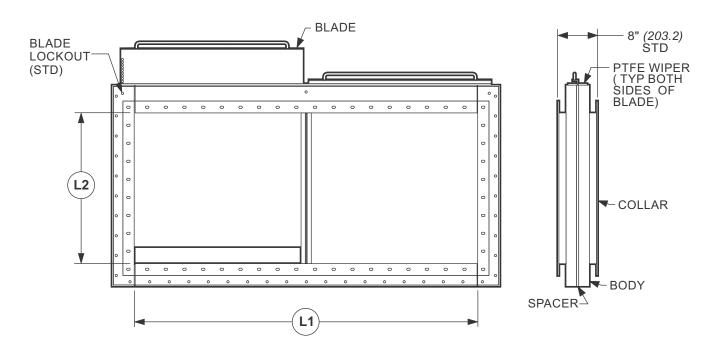
- NOTES: 1. 1 OPTION: ACTUATOR MOUNTING KITS
 - 2. 2 OPTION: BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 - 3. 3 OPTION: PNEUMATIC / ELECTRIC ACTUATOR
 - 4. 4 OPTION: GEAR DRIVE WITH LOCKING DAMPER SHAFT
 - 5. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WITH LINKAGE IS REQUIRED.
 - 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



Horizontal Blastgate



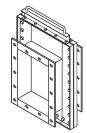
FITTING NUMBER	_I QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	I REMARKS
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	ı	I	I	1

NOTES: 1. STAINLESS STEEL BODY, RINGS AND BLADES.

- 2. BLADE LOCKOUT SYSTEM INCLUDED.
- 3. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT IS REQUIRED.
- 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

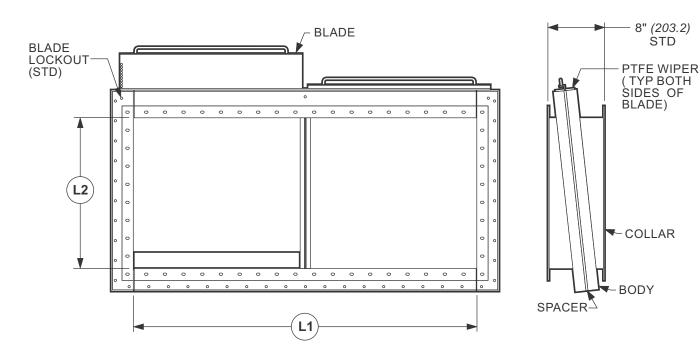
REMARKS:



Vertical Blastgate

8" (203.2)

STD



FITTING NUMBER	QTY	DUCT WIDTH	DUCT DEPTH	REMARKS

NOTES: 1. STAINLESS STEEL BODY, RINGS AND BLADES.

- 2. BLADE LOCKOUT SYSTEM.
- 3. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WILL BE REQUIRED.
- 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

