



SOUND ATTENUATOR ELBOW SQUARE-RECTANGLE ELCSA-M

APPLICATION

ELCSA, elbow dissipative SOUND ATTENUATOR (SILENCER), is designed to provide solution to all HVAC discharge noise with medium dynamic insertion loss.

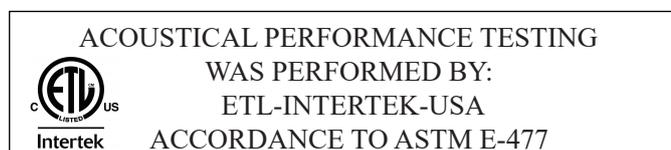


FEATURED STANDARD CONSTRUCTION

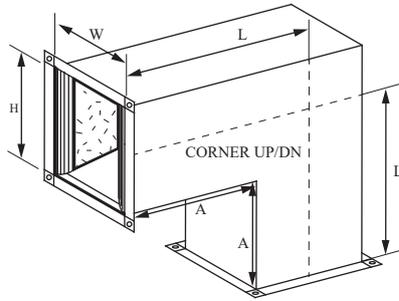
- **FRAME:**
 - Constructed from 20 gauge galvanized frame, formed with lock seams with mastic sealant.
- **SPLITTERS:**
 - Constructed from 22 gauge galvanized frame.
 - 8”(200mm) wide radiussed at one end to minimize air pressure loss and regenerated noise.
 - Filled with acoustic fibers complying with various standards requirements. The infill is compressed and contained behind a 22 gauge, 4mm hole diameter perforated metal sheet. This protection prevents damage and fiber erosion up to 5900fpm (30m/s).
 - Clean liner glass fiber as last layer.
- **AIR WIDTH:**
 - Varies between 3”(75mm), 4”(100mm), 6”(150mm) & 8”(200mm) depending on required insertion loss and pressure drops.
- **SIZES:**
 - Minimum size of 14”(275mm)W x 8”(200mm)H.

OPTIONS

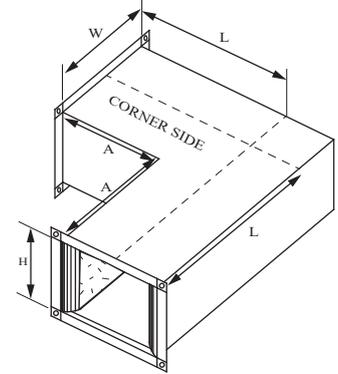
- 18Ga or 16Ga casing & splitters frame.
- Aluminum Construction
- Stainless Steel Construction
- Standard galvanized Duct-mate flange 1-3/8” (35mm) with finished corners for Galvanized Construction.
- Standard Stainless Steel normal duct flange 1-3/8” (35mm) with finished corners. for Stainless Construction.



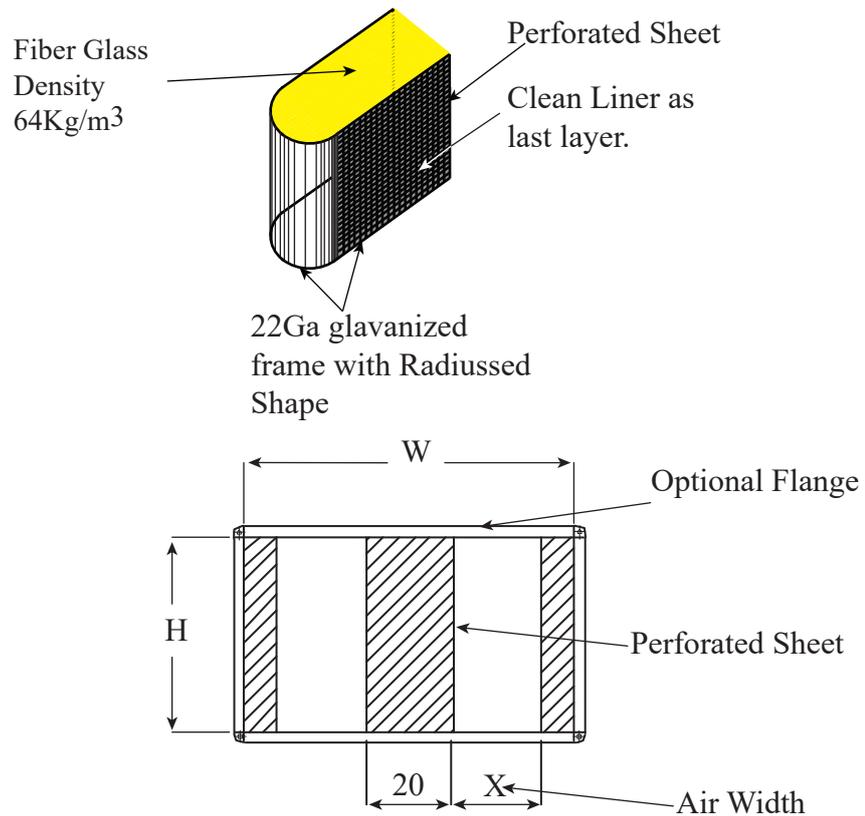
ILLUSTRATIONS



$H < L$
Minimum A Dimension = 40 cm



$W < L$
Minimum A Dimension = 40 cm



ACOUSTICAL PERFORMANCE TESTING
WAS PERFORMED BY:
ETL-INTERTEK-USA
ACCORDANCE TO ASTM E-477



SOUND ATTENUATOR

ELBOW SQUARE-RECTANGLE

ELCSA-M

ORDERING INFORMATION

MODEL	CASING	FLANGE	AIR WIDTH	LENGTH	WIDTH	HEIGHT
ELCSA	-	--	-		-	
						X

20 : 20 Gauge Galvanized (Standard)
 18 : 18 Gauge Galvanized
 16 : 16 Gauge Galvanized
 SS10 : 304 Stainless Steel Construction
 1.0 mm thickness
 SS12 : 304 Stainless Steel Construction
 1.2 mm thickness
 SS15 : 304 Stainless Steel Construction
 1.5 mm thickness

60: 60 cm
 90: 90 cm
 120: 120 cm
 150: 150 cm
 180: 180 cm
 210: 210 cm
 240: 240 cm

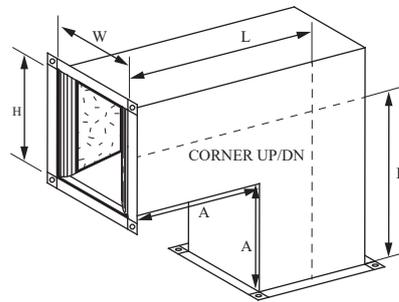
 7.5: 7.5 cm
 10: 10 cm
 15: 15 cm
 20: 20 cm

M : Standard
 MF: With 3.5 cm Duct
 Mate for galvanized flange
 and 3.5 cm normal duct flange
 for Stainless steel Construction

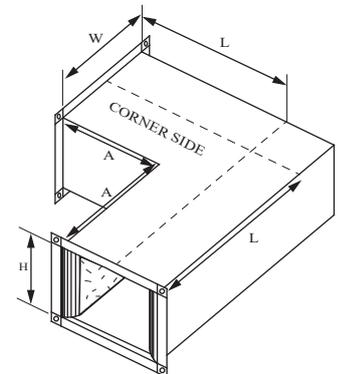
N.B: - For more information, please check the submittal sheet

Sizes:

- Width: Minimum size of 14" (275mm)
- Height: Minimum size of 8" (200mm)



$H < L$
Minimum A Dimension = 40 cm



$W < L$
Minimum A Dimension = 40 cm