



SOUND ATTENUATOR ELBOW SQUARE-RECTANGLE ELCSA



APPLICATION

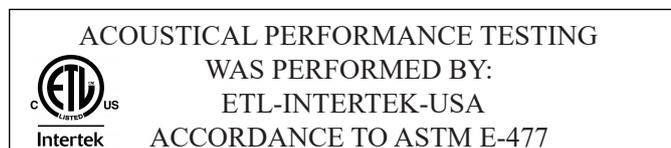
ELCSA, elbow dissipative SOUND ATTENUATOR (SILENCER), is designed to provide solution to all HVAC discharge noise with high dynamic insertion loss.

FEATURED STANDARD CONSTRUCTION

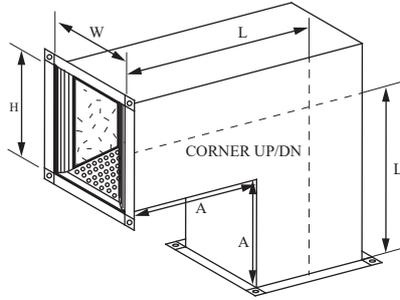
- **FRAME:**
 - Constructed from 20 gauge galvanized frame, formed with lock seams with mastic sealant.
 - The top and bottom of the casing covered with fiber clean liner 1”(25mm) thick protected by 22 gauge perforated metal sheet.
- **SPLITTERS:**
 - Constructed from 22 gauge galvanized frame.
 - 8”(200mm) wide radiussed at both ends 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

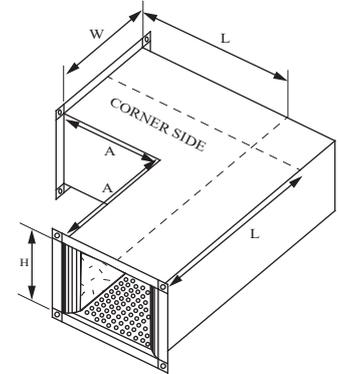
- 18Ga or 16Ga casing & splitters frame.
- Aluminum Construction
- Stainless Steel Construction
- Standard galvanized Duct-mate flange 1-3/8” (35mm) with finished corners.



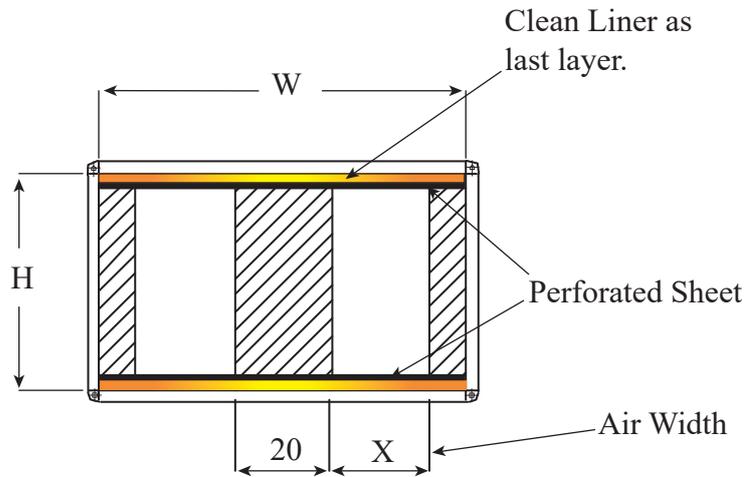
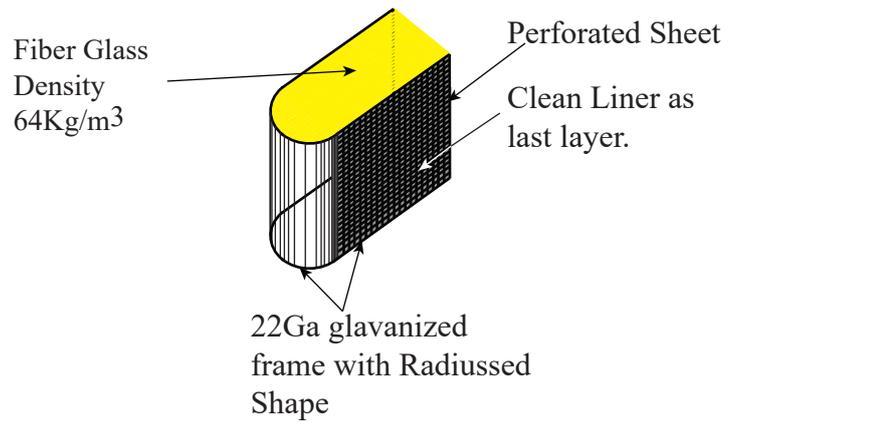
ILLUSTRATIONS



$H < L$
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

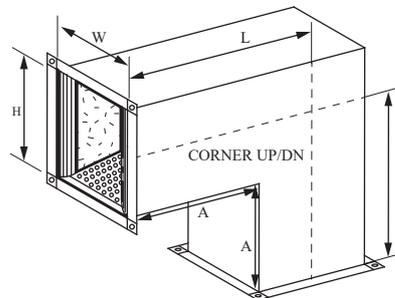
ORDERING INFORMATION

MODEL	CASING	FLANGE	MIDDLE SPLITTER	AIR WIDTH	LENGTH	CONSTRUCTION	WIDTH	HEIGHT
ELCSA	--							
	↑ --: Standard 18: 18 Gauge 16: 16 Gauge	↑ --: Standard F: With 3.5 cm Duct Mate galvanized Flange	↑ 20: 20 cm	↑ 7.5: 7.5 cm 10: 10 cm 15: 15 cm 20: 20 cm	↑ 60: 60 cm 90: 90 cm 120: 120 cm 150: 150 cm 180: 180 cm 210: 210 cm 240: 240 cm	↑ --: Standard SS: Stainless Steel AL: Aluminum		

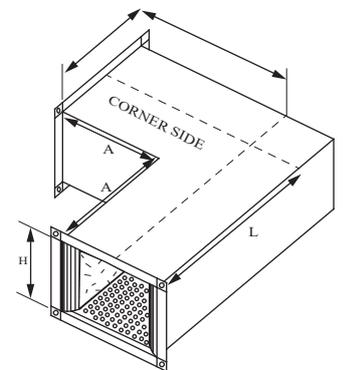
N.B: - For more information, please check the submittal sheet

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