

Wall/Roof Feed-Thru Plates

for Rigid Transmission Line

Types RLA300-15, RLA400-15, RLA600-15, RLA600B-15-2, RLA700-15, and LA800B-15

Description

Feed-thru plates seal rigid line access entry points on buildings. The feed-thru plates are split matched halves with a total of eight mounting holes using hardware (not included).

NOTICE

The installation, maintenance, or removal of antenna systems requires qualified, experienced personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

ERI disclaims liability or responsibility for the results of improper or unsafe installation practices.

Installation

Accurately determine the entry point where the rigid line penetrates the structure. Cut out the designated area to the dimension D at the point of entry. Insert a single rigid line section through the entry opening. Complete both the exterior and interior installation of horizontal rigid line run. Ensure that the rigid line is suspended at the point of entry and not resting on either the top or bottom of the entry opening.

Place the feed-thru flange halves around the rigid line and against the wall/roof and use as a template to mark eight mounting hole positions and feed-thru clearance opening. Drill mounting holes through roof or wall. For mounting flange to concrete, drill clear holes through concrete or insert bolt anchors at mounting hole positions.

Place flange halves into position and add mounting hardware. For metal installations, use bolts, lock washers, flat washers and nuts obtained locally. Flat washers must be placed against the inside of the building. For concrete installations, use anchor bolts. Securely tighten mounting bolts.

NOTE

Caulking may be applied around perimeter of feed-thru plate where it contacts the wall or roof. The rigid line must be anchored to the building wall using a rigid hanger to keep line movement away from the transmitter equipment, allowing expansion or contraction to accumulate at the base of the tower. This also enables the feed-thru plate to be sealed to the rigid line by applying butyl rubber tape (or equivalent).

Type Number	Line Size	Dimensions in inches (mm)			
		A	B	C	D
RLA300-15	3-1/8"	3.4 (86)	6.8 (173)	8 (203)	6 (152)
RLA400-15	4-1/16"	3.9 (99)	7.8 (198)	9 (229)	7 (178)
RLA600-15	6-1/8"	6.4 (163)	12.8 (325)	14 (356)	9 (229)
RLA600B-15-2	6-1/8"	5.1/4.4 (130/112)	10.1/8.8 (257/224)	12/10.5 (305/267)	9 (229)
RLA700-15	7-3/16"	7 (178)	14 (356)	16 (406)	10 (254)
RLA800B-15	8-3/16"	7 (178)	14 (356)	16 (406)	12 (305)

