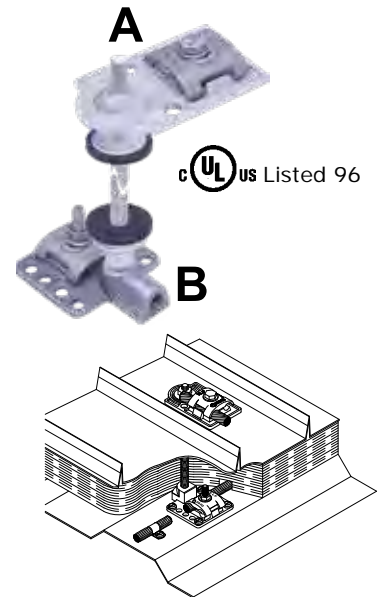


Thru-Roof/Wall Assemblies

Horizontal to Flat Surface Thru-Roof

Part No.	Type of Material		Threaded Bar Length	Box Qty.	Approx. Box Wt. (lbs.)
	A	B			
U219ATR-6	Aluminum	Aluminum	6"	5	5
U219BMTR-6	Aluminum	Copper	6"	5	8
U219TR-6	Copper	Copper	6"	5	9-1/2
U219ATR-12	Aluminum	Aluminum	12"	5	6
U219BMTR-12	Aluminum	Copper	12"	5	9
U219TR-12	Copper	Copper	12"	5	10-1/2

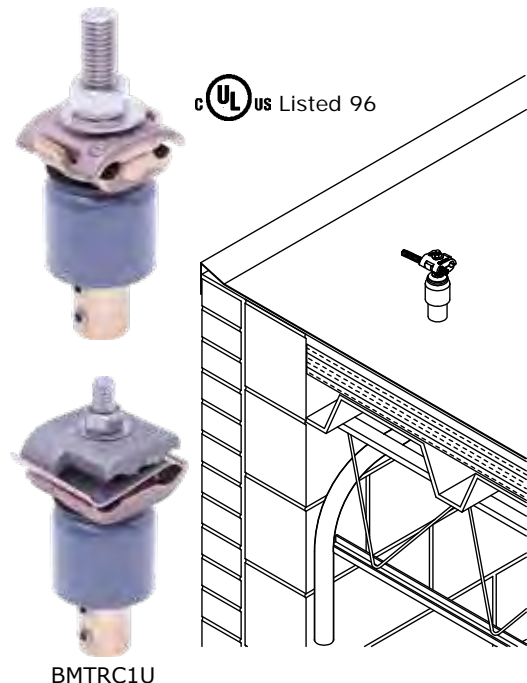
- Thru-roof or thru-wall connectors are used when making roof or wall penetrations because of the difficulty of sealing stranded lightning conductor cables.
- Features include 1/2" diameter threaded rod, neoprene sealing washers and stainless steel jam nuts to assure a watertight installation.
- Fits all main size conductors up to 9/16" diameter.
- Other sizes available. Please contact factory for more information.



Low Profile Thru-Roof

Part No.	Description	Approx. Each Wt. (lbs.)	Box Qty.	Approx. Box Wt. (lbs.)
ATRC1	Aluminum	3/4	10	7-1/2
CTRC1	Copper	1	10	10
BMTRC1	Bi-Metal	3/4	10	7-3/4
BMTRC1U	Bi-Metal	3/4	10	7-3/4

- Economical, low profile assembly provides a water tight mechanical connection through the roof when 1" PVC conduit is used.
- Used through finished roof surfaces or when exiting above the finished roof, such as in or on top of a parapet wall.
- Used when 230 series thru-roof units are not feasible.
- #BMTRC1 thru-roof connectors provide a bi-metal connection between aluminum roof components and copper down conductors.
- #BMTRC1U thru-roof connector provides a universal connection for one aluminum and/or one copper roof component and a copper down conductor.
- Fits all main size conductors up to 9/16" diameter.
- #ATRC1 fits all main size conductors up to 19/32" diameter.



TECHNICAL NOTE:

- No bend of a conductor shall form an included angle of less than 90 degrees, nor shall it have a radius of bend less than 203 mm (8 in.).*
- *NFPA 780 Conductor Bends Section 4.9.5