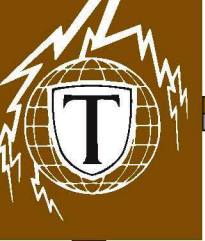




**CLASS I  
EQUIPMENT  
CATALOG**

**Thompson  
Lightning  
Protection  
Inc.**

901 Sibley Highway • Saint Paul, MN 55118-1792 • 651-455-7661  
1-800-777-1230



## **INTRODUCTION:**

THOMPSON LIGHTNING PROTECTION, INC. CAME INTO BEING IN 1910 AS THE GEORGE E. THOMPSON COMPANY. IN THE EARLY YEARS, PROTECTION OF HOME AND FARM PROPERTIES WAS THE PRIMARY BASIS OF THE COMPANY'S OPERATION. THROUGHOUT THE FOLLOWING YEARS OUR SCOPE OF ACTIVITY INCREASED. TODAY, THOMPSON IS AMERICA'S PREMIUM SUPPLIER OF LIGHTNING PROTECTION FOR ALL TYPES OF BUILDINGS FROM HOMES AND FARMS UP TO THE LARGEST COMMERCIAL/INDUSTRIAL PROJECTS.

THOMPSON HAS TRULY BECOME A FULL SERVICE COMPANY. IN ADDITION TO OUR COMPREHENSIVE, TOP QUALITY LIGHTNING PROTECTION MATERIALS WE ALSO HAVE A COMPLETE ENGINEERING/DESIGN DEPARTMENT TO ASSIST IN SYSTEM LAYOUTS OR SPECIALITY PRODUCT DESIGN. WE ALSO OFFER COMPLETE INSTALLATION AND/OR MATERIAL SUPPLY SERVICE THROUGH OUR NATIONWIDE NETWORK OF REPRESENTATIVES AND DEALERS.

## **PRODUCT USAGE:**

THE MATERIALS SHOWN IN THIS CATALOG ARE PRIMARILY INTENDED FOR USE ON CLASS I STRUCTURES (THOSE UNDER 75 FEET IN HEIGHT). THESE BUILDINGS CAN INCLUDE A WIDE VARIETY OF PROJECTS THAT RANGE FROM HOME AND FARM PROPERTIES, TO SCHOOLS, CHURCHES, FACTORIES, OFFICE BUILDINGS, HOSPITALS, NURSING HOMES, WAREHOUSES, AND APARTMENT BUILDINGS, AS WELL AS A WIDE SPECTRUM OF GOVERNMENT DEFENSE, AND INSTITUTIONAL PROPERTIES.

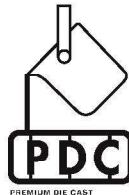
IN SOME CASES, MATERIALS SHOWN IN THIS CATALOG ARE ALSO APPROVED FOR CLASS II STRUCTURES (THOSE OVER 75 FEET IN HEIGHT). THESE ITEMS ARE CLEARLY MARKED AS BEING APPLICABLE FOR CLASS II SYSTEMS. FOR OUR COMPLETE LINE OF CLASS II PRODUCTS, PLEASE CONSULT OUR SEPARATE CATALOG WHICH DEALS SPECIFICALLY WITH THAT GRADE OF MATERIAL.

ALL ITEMS IN THIS CATALOG ARE INTENDED FOR USE IN DIRECT STRIKE, STRUCTURAL PROTECTION SYSTEMS. THOMPSON ALSO OFFERS A WIDE RANGE OF SURGE AND TRANSIENT VOLTAGE SURGE SUPPRESSION EQUIPMENT. PLEASE REFER TO OUR OTHER LITERATURE THAT COVERS THESE ITEMS.

PRIMARY DESCRIPTIONS IN THIS CATALOG ARE GIVEN FOR COPPER OR BRONZE ITEMS. EQUIVALENT ITEMS AVAILABLE IN ALUMINUM ARE CLEARLY IDENTIFIED FOLLOWING THE PRIMARY DESCRIPTION. EXCEPTIONS TO THIS FORMAT ARE ITEMS INTENDED FOR UNDERGROUND OR CONCRETE EMBEDDED USE WHERE ONLY COPPER OR BRONZE IS ACCEPTABLE.

ALL ITEMS SHOWN IN THIS CATALOG ARE REGULARLY INSPECTED IN OUR FACTORY BY UNDERWRITERS' LABORATORIES AND ARE FULLY UL LISTED, LABELED, AND APPROVED FOR USE UNDER THE UL "MASTER LABEL" PROGRAM. IN ADDITION, ALL THOMPSON COMPONENTS MEET OR EXCEED APPLICABLE CRITERIA SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION AND THE LIGHTNING PROTECTION INSTITUTE UNDER NFPA 780 AND LPI 175.

## **PREMIUM DIE CAST:**



THOMPSON LIGHTNING PROTECTION IS CONTINUALLY SEEKING TO IMPROVE OUR PRODUCTS AND IS CURRENTLY COMMITTED TO A MAJOR QUALITY UPGRADE PROGRAM FOR THEIR MOST COMMONLY USED CAST BASES, FITTINGS, AND SPLICERS, ETC. THIS QUALITY IMPROVEMENT EFFORT INCLUDES BOTH BRONZE AND ALUMINUM COMPONENTS.

THE KEY ELEMENT OF THIS UPGRADE HAS BEEN TO CONVERT TO HIGH QUALITY DIE-CAST PRODUCTION INSTEAD OF THE TRADITIONAL SAND CAST METHOD.

THE CASTINGS THAT RESULT FROM THIS PRODUCTION METHOD ARE FAR SUPERIOR TO THOSE PRODUCED BY OTHER METHODS. THIS DIE-CAST METHOD INJECTS MOLTEN METAL UNDER PRESSURE INTO PRECISION MACHINED MOLDS AS OPPOSED TO THE CONVENTIONAL, LOWER TOLERANCE GRAVITY-FED MOLDS USED BY OTHER COMPANIES. THE RESULT OF THIS SUPERIOR PRODUCTION PROCESS ARE FITTINGS OF MUCH BETTER FINISH, SUPERIOR GRAIN STRUCTURE, DENSITY, AND OVERALL STRENGTH.

THE SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS CATALOG TO DENOTE THOSE FITTINGS THAT ARE AVAILABLE AS A RESULT OF THIS IMPROVED PRODUCTION METHOD THAT IS UNIQUE TO THOMPSON LIGHTNING PROTECTION, INC.

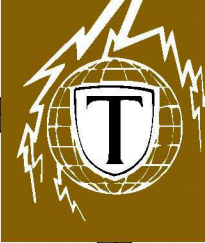
## **GUARANTEE:**

ALL OF THE EQUIPMENT IN THIS CATALOG IS OF THE VERY HIGHEST QUALITY AND IS GUARANTEED AGAINST DEFECTS OF MATERIAL OR WORKMANSHIP FOR ONE YEAR FROM DATE OF SHIPMENT. ITEMS DEFECTIVE IN MANUFACTURE WILL BE REPLACED WITHOUT CHARGE INCLUDING TRANSPORTATION COSTS BOTH WAYS.

**Thompson Lightning Protection, Inc.**

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## **ORDERING:**

### **PRICES:**

PRICES ARE NOT SHOWN IN THIS CATALOG AS THEY ARE SUBJECT TO CHANGE AS REQUIRED WITHOUT NOTICE DUE TO FLUCTUATIONS IN METAL MARKET CONDITIONS. WE WILL PROMPTLY SUPPLY UP-TO-DATE PRICE QUOTES UPON REQUEST. PLEASE PHONE OR FAX US YOUR MATERIAL REQUIREMENTS FOR A COMPLETE, DETAILED QUOTATION.

### **TERMS:**

OUR STANDARD TERMS ARE NET 30 DAYS ON PRE-APPROVED CREDIT SHIPMENTS. IF WE HAVE NOT PREVIOUSLY HAD THE OPPORTUNITY TO SUPPLY YOUR LIGHTNING PROTECTION SYSTEM NEEDS AND YOU WISH TO ESTABLISH CREDIT WITH OUR COMPANY PLEASE MAIL OR FAX US YOUR TRADE AND BANK REFERENCES OR REQUEST A COPY OF OUR STANDARD CREDIT APPLICATION. FOR FIRST TIME, RUSH SHIPMENTS, OTHER OPTIONS INCLUDE COD (EITHER UPS OR MOTOR FREIGHT) OR BANK WIRE TRANSFER. PLEASE CONTACT FACTORY FOR ADDITIONAL INFORMATION ON THESE METHODS.

## **SHIPPING:**

THOMPSON IS SERVED BY AND CAN SHIP YOUR ORDERS VIA ALMOST ANY MAJOR U.S. FREIGHT CARRIER. THESE INCLUDE MOST TRUCK LINES, UNITED PARCEL SERVICE, FEDERAL EXPRESS, PARCEL POST, AND SEVERAL MAJOR AIR FREIGHT LINES. TRANSPORTATION COSTS CAN BE SIGNIFICANT AND, THEREFORE, WHENEVER POSSIBLE IT IS BENEFICIAL TO PLAN AHEAD AND CONSOLIDATE SHIPMENTS TO TAKE ADVANTAGE OF THE MOST ECONOMICAL MOTOR FREIGHT SHIPPING OPTION. IN GENERAL, SMALL SHIPMENTS CAN BE MADE MOST ECONOMICALLY BY UPS OR SIMILAR SERVICE. IT SHOULD BE NOTED, HOWEVER, THAT MOST OF THESE SHIPPERS HAVE RESTRICTIONS ON BOTH WEIGHT PER PIECE OR MAXIMUM LENGTH, ETC. FURTHER MORE, IF AIR SERVICE IS INVOLVED, SOME PRODUCTS, PRIMARILY ADHESIVES, ARE EITHER PROHIBITED OR INVOLVE SIGNIFICANT PREMIUM SURCHARGES. CONTACT OUR FACTORY OR THE SPECIFIC CARRIER FOR COMPLETE CURRENT INFORMATION ON THESE RESTRICTIONS/CONDITIONS.

### **SPECIAL NOTE REGARDING CONDUCTORS:**

- 1) STANDARD REEL SIZES ARE EITHER 250 FEET OR 500 FEET PER REEL.
- 2) IF LONGER OR SHORTER LENGTHS ARE DESIRED, PLEASE CONTACT FACTORY FOR POSSIBLE PRICE ADJUSTMENTS. IN SOME CASES, AN EXTRA "CUTTING CHARGE" MAY BE APPLICABLE FOR SHORTER SPECIFIC LENGTH PUT-UPS.

### **CLAIMS:**

CHECK YOUR SHIPMENTS AGAINST THE PACKING SLIP AS SOON AS THEY ARE RECEIVED. IF WE HAVE MADE AN ERROR OR OMISSION, NOTIFY US WITHIN 10 DAYS OF RECEIVING THE SHIPMENT AND WE WILL RECTIFY THE MISTAKE. IF THE TRANSPORTATION COMPANY DELIVERS A SHIPMENT SHORT OR DAMAGED, HAVE THE DELIVERY MAN MAKE A NOTE ON THE DELIVERY BILL AND CONTACT US AS SOON AS POSSIBLE.

## **CUSTOM/SPECIAL ORDERS:**

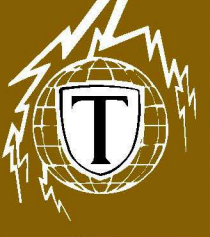
WE AT THOMPSON TAKE PRIDE IN OUR FLEXIBILITY AND ABILITY TO RESPOND PROMPTLY TO, AND SATISFY SPECIAL OR UNIQUE CUSTOMER REQUIREMENTS. WE HAVE THE DESIGN AND MANUFACTURING CAPABILITY TO CREATE AND PRODUCE ALMOST ANY SPECIAL ITEM THAT MAY BE REQUIRED TO MEET A CUSTOMER'S UNIQUE LIGHTNING PROTECTION OR GROUNDING NEEDS. PLEASE FORWARD COMPLETE, DETAILED SPECIFICATIONS AND DRAWINGS OF YOUR REQUIREMENTS TO OUR PRODUCTION DEPARTMENT AND WE WILL RESPOND PROMPTLY WITH A DETAILED QUOTATION AND PRELIMINARY DESIGN FOR YOUR CONSIDERATION.

## **INDEX:**

<u>ITEM:</u>	<u>PAGE NO.</u>	<u>ITEM:</u>	<u>PAGE NO.</u>
ADAPTERS .....	4	GROUND RODS AND DEVICES .....	17
AIR TERMINALS .....	3, 8, 9	GUARANTEE .....	Inside Front Cover
ANCHORS .....	18	GUARDS .....	15
ATTACHMENTS .....	6, 9, 14, 18, 19	LOOPS .....	14
BASES .....	5-9	NAILS AND SCREWS .....	18
BOLTS AND NUTS .....	19	ORDERING INFORMATION .....	1
BONDING PLATES, STRAPS, ETC .....	11, 12	SADDLES .....	5, 6
BRACES .....	4	SHIPPING INFORMATION .....	1
CONDUCTORS .....	2	SILL COCK CONNECTORS .....	12
CHIMNEY FITTINGS .....	8, 9	SPLICERS .....	10, 11
CLAMPS .....	10, 11, 16	STAPLES .....	14
CLIPS .....	14	STRIP .....	2
CONNECTORS .....	10, 11, 12, 13, 16	THRU ROOF AND WALL CONNECTORS .....	13
COUPLINGS .....	4, 17	VANES-ANIMAL/ARROW .....	21
GLASS/PLASTIC BALLS .....	20	WATERPIPE CLAMPS .....	12

# CLASS I CONDUCTORS

**NOTE:** THE FIVE MAIN SIZE CONDUCTORS SHOWN HERE ARE ALL APPROVED FOR CLASS I USE. FOR LARGER CLASS II CABLES SEE SEPARATE CATALOG.



## COPPER CONDUCTORS



**NO. 29X CENTURY**—29 STRANDS OF 17 GAUGE COPPER WIRE,  $\frac{3}{8}$ " DIAMETER, BRAIDED SMOOTH TWIST, 59,500 CIRCULAR MILS, NET WEIGHT 190 LBS. PER 1000 FT.



**NO. 32 STANDARD**—32 STRANDS OF 17 GAUGE COPPER WIRE,  $\frac{7}{16}$ " DIAMETER, BRAIDED SMOOTH TWIST, 65,500 CIRCULAR MILS, NET WEIGHT 215 LBS. PER 1000 FT.

**NOTE:** ALSO AVAILABLE IN TINNED CONSTRUCTION FOR USE ON CHIMNEY INSTALLATIONS: ORDER NO.48



**NO. 48**—32 STRANDS OF 17 GAUGE COPPER WIRE IDENTICAL TO NO. 32 BUT OF TINNED COPPER STRANDS.



**NO. 505 THOR**—24 STRANDS OF 14 GAUGE COPPER WIRE,  $\frac{1}{2}$ " DIAMETER, ROPE LAY, 98,500 CIRCULAR MILS, NET WEIGHT 320 LBS. PER 1000 FT.

## ALUMINUM CONDUCTORS



**NO. A24 STANDARD**—24 STRANDS OF 14 GAUGE ALUMINUM WIRE,  $\frac{1}{2}$ " DIAMETER, BRAIDED SMOOTH TWIST 98,500 CIRCULAR MILS, NET WEIGHT 95 LBS. PER 1000 FT.



**NO. A28 VULCAN**—28 STRANDS OF 14 GAUGE ALUMINUM WIRE,  $\frac{1}{2}$ " DIAMETER BRAIDED SMOOTH TWIST, 115,000 CIRCULAR MILS, NET WEIGHT 115 LBS. PER 1000 FT.

## SPECIALTY & SECONDARY CONDUCTORS



**NO. 14**—STANDARD SECONDARY CONNECTING CABLE—14 STRANDS OF 17 GAUGE COPPER WIRE,  $\frac{1}{4}$ " DIAMETER, 28,500 CIRCULAR MILS, NET WEIGHT 92 LBS. PER 1000 FT.



**NO. A509**—STANDARD SECONDARY CONNECTING CABLE—10 STRANDS OF 14 GAUGE ALUMINUM WIRE,  $\frac{5}{16}$ " DIAMETER, 43,000 CIRCULAR MILS, NET WEIGHT 135 LBS. PER 1000 FT.

STRIP CAN BE USED IN PLACE OF MINIATURE CABLE AND IS USED IN CONNECTING ROUND OBJECTS. ALL THREE SIZES OF STRIP HAVE ROUND EDGES FOR EASE AND SAFETY OF HANDLING. STRIP IS FURNISHED IN COILS OF 25 FT., 50FT., OR 100 FT. (LONGER LENGTHS ON REQUEST).



**NO. 105**—PLAIN COPPER STRIP  $\frac{1}{2}$ " WIDE x 16 GAUGE.

**NO. 106**—TINNED COPPER STRIP  $\frac{1}{2}$ " WIDE x 16 GAUGE.

**NO. 107**—PLAIN COPPER STRIP  $\frac{5}{8}$ " WIDE x 16 GAUGE.

**NO. A107**—SAME AS NO. 107 EXCEPT ALUMINUM.

**NO. 108**—TINNED COPPER STRIP  $\frac{5}{8}$ " WIDE x 16 GAUGE.

**NO. 109**—PLAIN COPPER STRIP 1" WIDE x 14 GAUGE.

**NO. A109**—SIMILAR TO NO. 109 EXCEPT ALUMINUM AND 1" WIDE X 12 GAUGE.

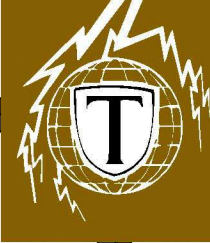
**NO. 110**—TINNED COPPER STRIP 1" WIDE x 14 GAUGE.

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**NOTE:** THE 3/8" COPPER AND 1/2" ALUMINUM AIR TERMINALS SHOWN HERE ARE FOR CLASS I USE. 1/2" COPPER POINTS ARE APPROVED FOR CLASS I OR II USE. FOR LARGER CLASS II SIZES SEE SEPARATE CATALOG.

# CLASS I AIR TERMINALS



## COPPER AIR TERMINALS

COPPER AIR TERMINALS ARE AVAILABLE IN TWO FINISHES; BARE COPPER OR WITH NICKEL PLATED TIPS. BOTH TYPES HAVE A HIGHLY POLISHED FINISH. THE LETTER "E" IN A PART NUMBER DENOTES THE BARE COPPER FINISH. TWO MOUNTING STYLES ARE ALSO STANDARD. THE LETTERS "LA" (LESS ADAPTER) IN A PART NUMBER DENOTE THOSE POINTS FOR USE WITH BASES HAVING INTERNAL THREAD. "ADAPTER TYPE" AIR TERMINALS ARE FOR EXTERNAL STUD BASES.



SIZE		FINISH AND MOUNTING STYLE			
DIA.	LENGTH	BARE COPPER-POLISHED		WITH NICKEL PLATED TIP-POLISHED	
		LESS ADAPTER	WITH ADAPTER	LESS ADAPTER	WITH ADAPTER
3/8"	10"	51ELA	51E	51LA	51
3/8"	12"	52ELA	52E	52LA	52
3/8"	18"	662ELA	662E	662LA	662
3/8"	24"	573ELA	573E	573LA	573
3/8"	36"	663ELA	663E	663LA	663
3/8"	48"	664ELA	664E	664LA	664
1/2"	10"	55XELA	55XE	55XLA	55X
1/2"	12"	55ELA	55E	55LA	55
1/2"	18"	56ELA	56E	56LA	56
1/2"	24"	572ELA	572E	572LA	572
1/2"	36"	660ELA	660E	660LA	660
1/2"	48"	661ELA	661E	661LA	661

**NOTE:** OTHER LENGTH AIR TERMINALS ARE AVAILABLE ON A SPECIAL ORDER BASIS.

**NOTE:** FOR COPPER AIR TERMINALS, THE FULL LENGTH OF THE POINT CAN BE NICKEL PLATED UP TO 24" LONG. ADD THE LETTERS "FNP" TO DENOTE THIS CHOICE.

**NOTE:** ALL OF THE ABOVE AIR TERMINALS CAN BE SUPPLIED WITH ROUNDED BLUNT TIPS. ADD THE LETTERS "BT" TO PART NUMBERS SHOWN.



## TUBULAR AIR TERMINALS

**COPPER:**

COPPER TUBE POINTS ARE 5/8" OUTSIDE DIAMETER AND HAVE NICKEL PLATED TIPS. THESE AIR TERMINALS ARE USED WHERE ORNAMENTAL BALLS OR WEATHER-VANES ARE MOUNTED ON AN AIR TERMINAL. THESE POINTS COME WITH BUSHINGS FOR USE WITH EXTERNAL STUD TYPE BASES.

- NO. 57X-5/8"** O.D. X 12" LONG
- NO. 57-5/8"** O.D. X 16" LONG
- NO. 58-5/8"** O.D. X 24" LONG
- NO. 58-36-5/8"** O.D. X 36" LONG

**ALUMINUM:**

ALUMINUM TUBE POINTS ARE 5/8" OUTSIDE DIAMETER AND ARE HIGHLY POLISHED. THEY COME COMPLETE WITH BUSHING FOR ALL EXTERNAL STUD TYPE BASES.

- NO. A57X-5/8"** O.D. X 12" LONG
- NO. A57-5/8"** O.D. X 16" LONG
- NO. A58-5/8"** O.D. X 24" LONG
- NO. A58-36-5/8"** O.D. X 36" LONG

**NOTE:** OTHER LENGTH AIR TERMINALS ARE AVAILABLE ON A SPECIAL ORDER BASIS.

## ALUMINUM AIR TERMINALS

ALUMINUM AIR TERMINALS ARE FURNISHED WITH A HIGHLY POLISHED FINISH. TWO MOUNTING STYLES ARE AVAILABLE. FOR BASES HAVING INTERNAL THREADS USE AIR TERMINALS WITH THE LETTERS "LA" (LESS ADAPTER). FOR EXTERNAL STUD MOUNTING BASES USE "ADAPTER TYPE" AIR TERMINALS.



SIZE		MOUNTING STYLE	
DIA.	LENGTH	LESS ADAPTER	WITH ADAPTER
1/2"	10"	A55XLA	A55X
1/2"	12"	A55LA	A55
1/2"	18"	A56LA	A56
1/2"	24"	A572LA	A572
1/2"	36"	A660LA	A660
1/2"	48"	A661LA	A661

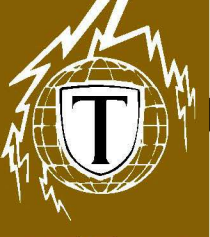
**NOTE:** OTHER LENGTH AIR TERMINALS ARE AVAILABLE ON A SPECIAL ORDER BASIS.

**NOTE:** ALL OF THE ABOVE AIR TERMINALS CAN BE SUPPLIED WITH ROUNDED BLUNT TIPS. ADD THE LETTERS "BT" TO PART NUMBERS SHOWN.

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# AIR TERMINAL SUPPORTS & ACCESSORIES



GALVANIZED STEEL TRIPOD BRACES HAVE 1/4" DIAMETER LEGS AND ARE FOR USE WITH 3/8" THROUGH 5/8" DIAMETER AIR TERMINALS. MOUNTING FEET ARE FIELD FORMED AND CAN BE SECURED WITH BOLTS, SCREWS OR NAILS AS REQUIRED.

**NO. 80**—14" LONG FOR USE WITH 18" AIR TERMINALS.

**NO. 81**—18" LONG FOR USE WITH 24" AIR TERMINALS.

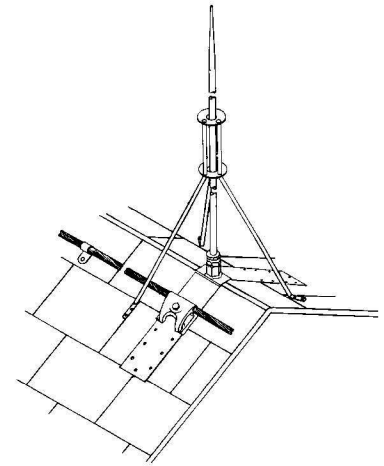
**NO. 82**—24" LONG FOR USE WITH 36" AIR TERMINALS.

**NO. 83**—36" LONG FOR USE WITH 48" AIR TERMINALS.

**NO. 83-5**—48" LONG FOR USE WITH 60" AIR TERMINALS.

**NO. 83-6**—60" LONG FOR USE WITH 72" AIR TERMINALS.

NOTE: LONGER OR OTHER SIZES AVAILABLE ON A SPECIAL ORDER BASIS - ALLOW 4-5 WEEKS TO SHIP.



ALL OF THE ABOVE BRACES CAN BE FURNISHED FOR USE ON FLAT ROOFS WHERE ATTACHMENT IS MADE WITH ADHESIVE IN LIEU OF MECHANICAL FASTENERS. ADD "CA" TO PART NUMBERS ABOVE FOR COPPER ADHESIVE FEET OR "AA" FOR ALUMINUM ADHESIVE FEET.

NOTE: VERIFY COMPATIBILITY OF ANY PROPOSED ADHESIVE WITH ROOFING SYSTEM IN USE.

NOTE: ALL BRACES SHOWN ARE AVAILABLE IN 2-LEG VERSION. ADD "-2" TO PART NUMBERS SHOWN.

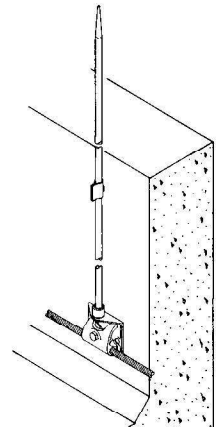
**NO. 31**—A 1" PINCH TYPE SUPPORT FOR MASONRY SURFACES THAT WILL SUPPORT 3/8" AIR TERMINALS OR COPPER CABLES THROUGH NO. 32.

**NO. A31**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A24 OR 1/2" ALUMINUM AIR TERMINALS.

**NO. 175X**—A LARGER VERSION OF NO. 31 FOR USE WITH 1/2" OR 5/8" DIAMETER COPPER AIR TERMINALS OR CABLES THROUGH NO. 507.

**NO. A175X**—AS ABOVE IN ALUMINUM FOR 1/2" OR 5/8" DIAMETER ALUMINUM AIR TERMINALS OR CABLES THROUGH NO. A507.

NOTE: PARTS AS SHOWN COME WITH BOLT AND LEAD ANCHOR. IF MOUNTING IS ON WOOD, ADD "W" TO PART NUMBERS SHOWN WHICH WILL INCLUDE STAINLESS STEEL SCREW IN LIEU OF MASONRY ANCHOR.



**NO. 68**—POINT ADAPTER FOR 3/8" COPPER AIR TERMINAL OR EXTENSION ROD TO ANY STANDARD 5/8" POINT BASE STUD.

**NO. 69**—POINT ADAPTER FOR 1/2" COPPER AIR TERMINAL OR EXTENSION ROD TO ANY STANDARD 5/8" POINT BASE STUD.

**NO. A69**—AS ABOVE IN ALUMINUM.



**NO. 656**—ROD COUPLER. 3/8" TO 3/8"—BRASS.

**NO. 671**—ROD COUPLER. 1/2" TO 1/2"—BRASS.

**NO. A671**—ROD COUPLER. 1/2" TO 1/2"—ALUMINUM.



**NO. 28D**—MACHINED BRASS ADAPTER FOR USE IN COMBINING SOLID OR TUBULAR ADAPTER TYPE POINTS WITH 1/2" INTERNAL THREAD BASES.

**NO. A28D**—AS ABOVE IN ALUMINUM.

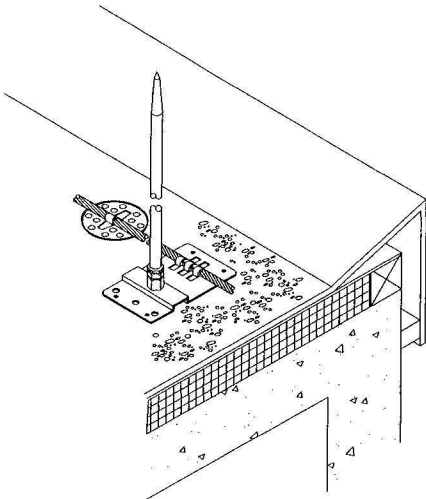
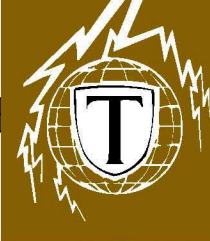


**NO. 27**—A HINGED SWIVEL CONNECTOR DESIGNED SO THAT A POINT MAY BE SET PERPENDICULAR ON A SLOPING ROOF. THE LOWER SECTION FITS ALL BASES WITH EXTERNAL STUDS AND THE UPPER SECTION FITS ALL ADAPTER TYPE AIR TERMINALS. STAINLESS STEEL SET SCREWS ASSURE A PERMANENT LOCK BETWEEN THE POINT AND THE BASE.

**NO. A27**—AS ABOVE IN ALUMINUM.

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**NO. 688N**—AN ECONOMY ADHESIVE POINT BASE OF STAMPED COPPER CONSTRUCTION. HAS  $\frac{5}{8}$ " STUD TO ENGAGE ALL STANDARD POINTS. ACCEPTS CABLES THROUGH NO. 506.

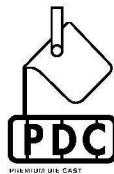
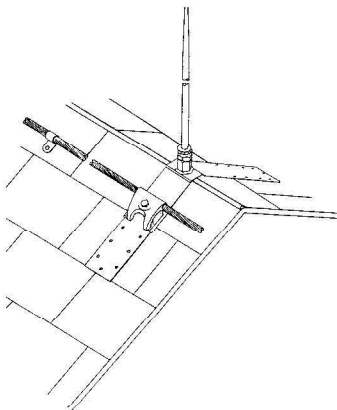
**NO. A688N**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: VERIFY COMPATIBILITY OF ANY PROPOSED ADHESIVE WITH ROOFING SYSTEM IN USE.

**NO. 688**—A PREMIUM DIE CAST POINT BASE FOR ADHESIVE MOUNTING ON FLAT ROOFS, ETC. THE BOLT PRESSURE CABLE CLAMP IS FOR CABLES THROUGH NO. 506. THIS BASE HAS AN EXTERNAL STUD FOR USE WITH ADAPTER TYPE AIR TERMINALS. ORDER ADHESIVE SEPARATELY TO SUIT ROOFING SYSTEM IN USE. CONTACT FACTORY FOR PROPER ADHESIVE.

**NO. A688**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: FOR NO. 507/A507 CABLE, ADD "X" TO PART NUMBERS SHOWN.



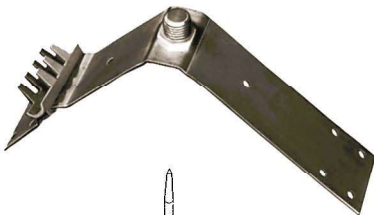
**NO. 71X**—A 2" WIDE COPPER SADDLE WITH A PREMIUM DIE CAST BOLT PRESSURE CABLE CLAMP FOR CABLES THROUGH NO. 506. STUD ACCEPTS ALL ADAPTER TYPE AIR TERMINALS. SADDLE CAN BE FIELD ADJUSTED TO ALL ROOF PITCHES.

**NO. A71X**—AS ABOVE IN ALUMINUM.



**NO. 71E**—A 2" WIDE COPPER SADDLE WITH A CRIMP TYPE CABLE CONNECTOR FOR CABLES THROUGH NO. 506. POINT STUD ACCEPTS ALL ADAPTER TYPE AIR TERMINALS. SADDLE CAN BE FIELD ADJUSTED TO ALL ROOF PITCHES.

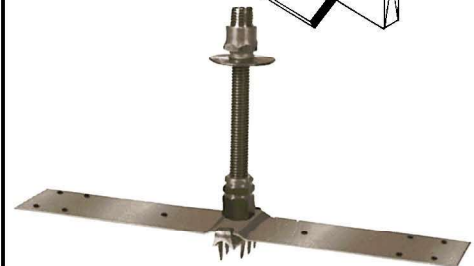
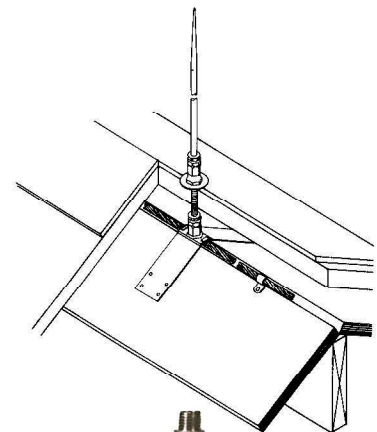
**NO. A71E**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 71**—A 2" WIDE COPPER SADDLE WITH A CAST CRIMP TYPE CABLE CONNECTOR FOR CABLES THROUGH NO. 506. STUD ACCEPTS ALL ADAPTER TYPE AIR TERMINALS. ADJUSTABLE TO ALL ROOF PITCHES.

**NO. A71**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

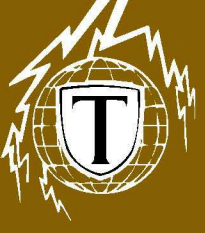
NOTE: CAT. NO. 71X/A71X SADDLES ARE AVAILABLE IN LONGER LENGTHS ON A CUSTOM ORDER BASIS TO ACCOMMODATE SADDLE MOUNT INSTALLATIONS AT RAISED RIDGE VENTS. CONTACT FACTORY FOR PRICING & DELIVERY INFORMATION. SPECIFY OVERALL LENGTH REQUIRED. SADDLERS ARE SHIPPED FLAT & FORMED TO FIT IN FIELD. DELIVERY TIME AND PRICE WILL VARY WITH QUANTITY.



**NO. 71C**—A CONCEALED RIDGE SADDLE ASSEMBLY USED ON NEW CONSTRUCTION WHERE ROOF SADDLE AND CONDUCTORS CAN BE CONCEALED. TYPICALLY USED WITH CEMENT, CLAY TILE, OR SLATE ROOFS, OR WHERE LOW PROFILE VENTS ARE USED AT ROOF RIDGES. THIS ASSEMBLY COMES COMPLETE WITH A BASE ADAPTER,  $4\frac{1}{2}$ " LONG, THREADED RISER, LEAD SEALING WASHER, AND EXTERNAL ADAPTER TO FIT ALL ADAPTER TYPE AIR TERMINALS FOR CABLES THROUGH NO. 506

**NO. A71C**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

# AIR TERMINAL BASES



**NO. 240P-3**—A BIMETAL PLATED, CLAMP TYPE AIR TERMINAL BASE FOR MOUNTING ON PIPES, ROUND HANDRAILS, ETC. UP TO 1 1/4" O.D. HAS INTERNAL THREAD FOR 3/8" LESS ADAPTER TYPE POINTS. (CLASS I ONLY.)

**NO. 240P-4**—AS ABOVE FOR 1/2" LESS ADAPTER TYPE POINTS.

**NO. A240P-4**—AS ABOVE IN ALUMINUM. (CLASS I ONLY.)

**NO. 240P-5**—AS ABOVE FOR 5/8" LESS ADAPTER POINTS.

**NO. A240P-5**—AS ABOVE IN ALUMINUM.

**NO. 240XP-3**—A HEAVIER VERSION PIPE/RAIL POINT BASE FOR 3/8" LESS ADAPTER TYPE POINTS TO PIPES UP TO 2 1/4" O.D. (CLASS I ONLY.)

**NO. 240XP-4**—AS ABOVE FOR 1/2" LESS ADAPTER TYPE POINTS.

**NO. A240XP-4**—AS ABOVE IN ALUMINUM. (CLASS I ONLY.)

**NO. 240XP-5**—AS ABOVE FOR 5/8" LESS ADAPTER TYPE POINTS.

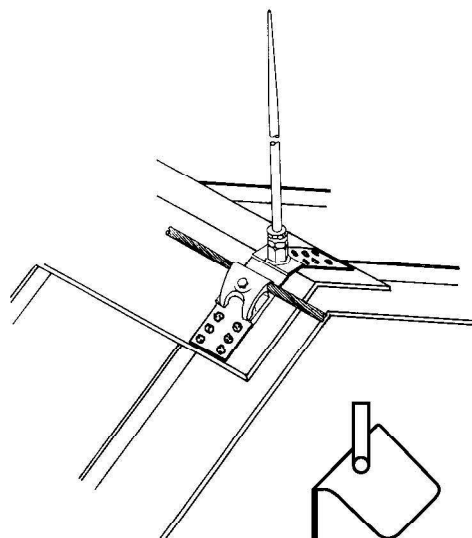
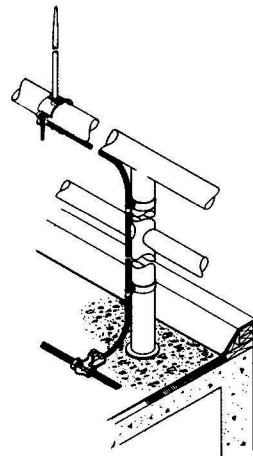
**NO. A240XP-5**—AS ABOVE IN ALUMINUM.

**NO. 681**—AN ADJUSTABLE PIPE RAILING BASE FOR ADAPTER TYPE POINTS. BASE FITS ALL PIPE SIZES FROM 1 1/4" TO 2" O.D. HAS A 5/8" EXTERNAL STUD FOR ALL ADAPTER TYPE POINTS. NO CABLE CONNECTION. (USED WHERE RAILING IS OF ADEQUATE SIZE TO SERVE AS CONDUCTOR.)

**NO. A681**—SAME AS ABOVE IN ALUMINUM.

**NO. 681X**—SAME AS NO. 681 BUT WITH CABLE ATTACHMENT FOR CABLES THROUGH NO. 506 (AS PICTURED).

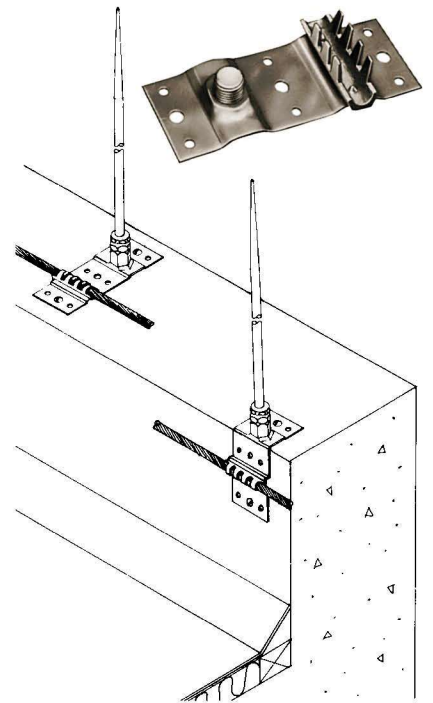
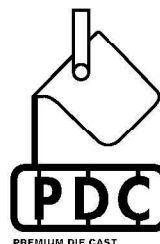
**NO. A681X**—AS ABOVE IN ALUMINUM WITH ATTACHMENT FOR CABLES THROUGH NO. A37.



**NO. 71A**—A 2" WIDE COPPER RIDGE SADDLE FOR ADHESIVE MOUNTING ON METAL BUILDINGS, SKYLIGHTS, ETC., AS AN OPTION TO MECHANICAL FASTENERS. THE PREMIUM DIE CAST CLAMP ACCEPTS CABLES THROUGH NO. 506. EXTERNAL STUD IS FOR USE WITH ALL ADAPTER TYPE POINTS.

**NO. A71A**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: FOR NO. 507/A507 CABLES, ADD "X" TO PART NUMBER SHOWN.



**NO. 76A**—A 2" WIDE COPPER BASE FOR TOP OR FLAT MOUNTING OR AS A FIELD FORMED PARAPET BASE WITH CABLE RUN AT THE INSIDE OF THE PARAPET WALL. BASE INCLUDES A CAST CRIMP TYPE CLAMP FOR CABLES THROUGH NO. 506. POINT STUD ACCEPTS ALL ADAPTER TYPE AIR TERMINALS.

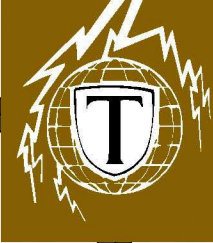
**NO. A76**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 79**—A FOUR LEG ADJUSTABLE BASE FOR MOUNTING AT CONE-SHAPE OR ROUNDED VENTS OR MECHANICAL EQUIPMENT, ETC. CAST BRONZE CABLE CLAMP IS FOR ALL ADAPTER TYPE AIR TERMINALS AND FITS CABLES THROUGH NO. 506.

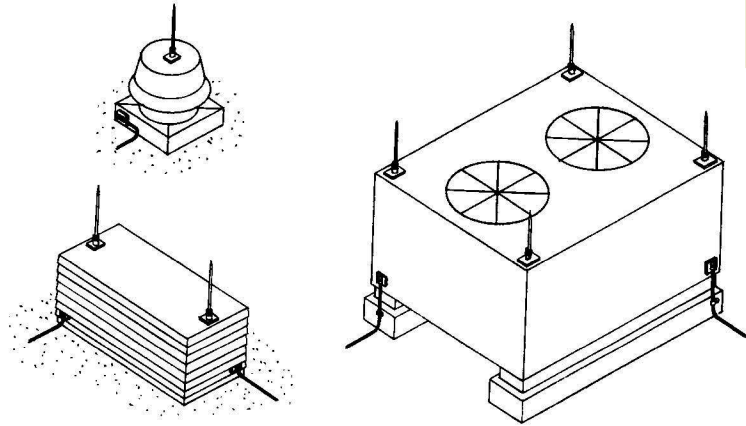
**NO. A79**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.





**NO. A76M** - 2" WIDE ALUMINUM BASE FOR MOUNTING ALL ADAPTER TYPE AIR TERMINALS ON MECHANICAL EQUIPMENT WHERE CONDUCTOR INTERCONNECTIONS ARE NOT REQUIRED.

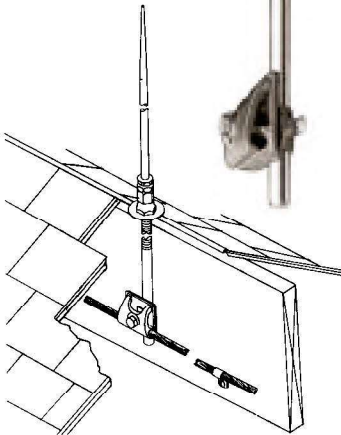
NOTE: REVIEW CODES/ STANDARDS IN EFFECT TO VERIFY IF THIS METHOD IS APPLICABLE.



**NO. 24**—A THROUGH ROOF BASE FOR CONCEALED MOUNTING AT ROOF RIDGE LOCATIONS. ASSEMBLY INCLUDES AN ALL THREAD  $\frac{3}{8}$ " X 12" LONG RISER BAR, CAST BRONZE CABLE CLAMP FOR CONDUCTORS THROUGH NO. 506, LEAD WASHER FOR WEATHER SEAL ABOVE THE ROOF, HEX NUT, AND FLAT WASHER TO SECURE RISER BELOW THE ROOF, AND NO. 28 ADAPTER TO ACCEPT ALL ADAPTER TYPE AIR TERMINALS.

**NO. 685**—AS ABOVE BUT WITH  $\frac{1}{2}$ " RISER BAR.

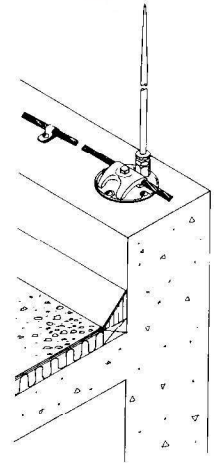
**NO. A685**—AS ABOVE WITH  $\frac{1}{2}$ " ALUMINUM RISER BAR AND CLAMP FOR CABLES THROUGH NO. A37.



**NO. 611**—A PREMIUM DIE CAST POINT BASE FOR TOP MOUNTING AT MECHANICAL EQUIPMENT, PARAPETS, OR SCREEN WALLS, ETC. THE BOLT PRESSURE CABLE CLAMP IS FOR CABLES THROUGH NO. 506. BASE HAS AN EXTERNAL STUD FOR USE WITH ADAPTER TYPE AIR TERMINALS. MOUNTING HOLES ARE  $\frac{1}{4}$ " CLEARANCE. ORDER FASTENERS SEPARATELY.

**NO. A611**—AS ABOVE IN ALUMINUM.

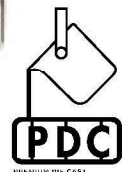
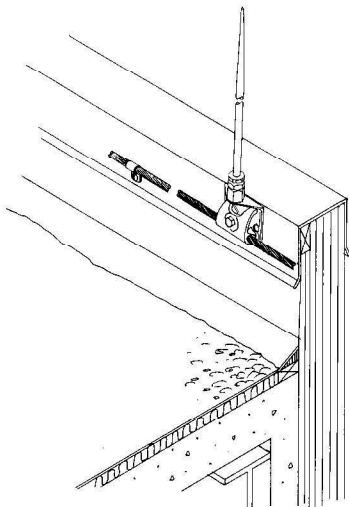
NOTE: FOR USE WITH NO. 507/A507 CABLES, ADD "X" TO PART NUMBERS SHOWN.

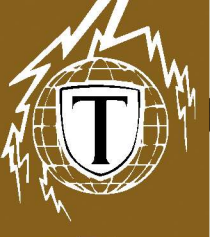


**NO. 690X**—A PREMIUM DIE CAST POINT BASE FOR SIDE MOUNTING AT PARAPETS OR SCREEN WALLS, ETC. THE PREMIUM DIE CAST CLAMP IS FOR USE WITH ADAPTER TYPE AIR TERMINALS AND CABLES THROUGH NO. 506. MOUNTING HOLES ARE  $\frac{1}{4}$ " CLEARANCE. ORDER FASTENERS SEPARATELY.

**NO. A690X**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: FOR NO. 507/A507 CABLES ADD "X" TO PART NUMBERS SHOWN.





**NO. 85**—A COMPLETE CHIMNEY AIR TERMINAL WHICH INCLUDES A  $\frac{3}{8}$ " X 3'0" LEAD COATED COPPER AIR TERMINAL WITH A VERTICAL SET SCREW CABLE CONNECTOR AND A LEAD COATED COPPER PINCH TYPE POINT SUPPORT, BOTH OF WHICH ARE MOUNTED WITH  $\frac{1}{4}$ " STAINLESS STEEL BOLTS AND LEAD EXPANSION ANCHORS. AIR TERMINAL MUST EXTEND NOT MORE THAN 2'0" ABOVE THE CHIMNEY TOP.

**NO. A85**—AS ABOVE BUT WITH  $\frac{1}{2}$ " X 3'0" ALUMINUM AIR TERMINAL, BASE, AND SUPPORT.

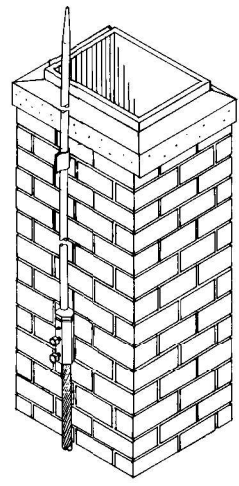
**NO. 86**—AS ABOVE BUT WITH  $\frac{3}{8}$ " X 4'0" AIR TERMINAL.

**NO. A86**—AS ABOVE BUT WITH  $\frac{1}{2}$ " X 4'0" ALUMINUM AIR TERMINAL, BASE, AND SUPPORT.

**NO. 87**—AS ABOVE BUT WITH  $\frac{3}{8}$ " X 5'0" AIR TERMINAL.

**NO. A87**—AS ABOVE BUT WITH  $\frac{1}{2}$ " X 5'0" ALUMINUM AIR TERMINAL, BASE, AND SUPPORT.

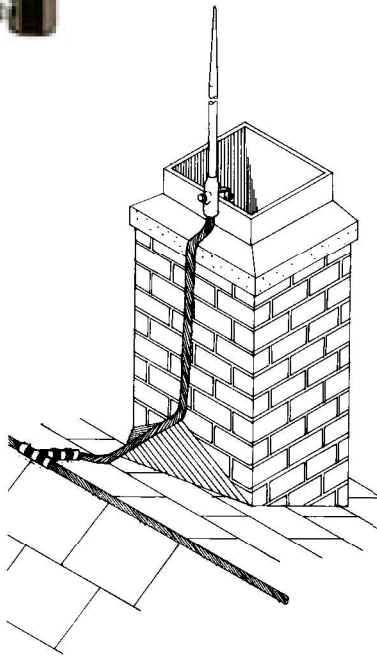
NOTE: ALL OF THE ABOVE ARE AVAILABLE WITH STAINLESS STEEL SHEET METAL SCREWS FOR MOUNTING ON METAL CHIMNEYS. ADD "MM" TO PART NUMBERS SHOWN.



**NO. 88**—A COMPLETE HEAVY DUTY, CHIMNEY AIR TERMINAL WITH A  $\frac{1}{2}$ " X 4'0" LEAD COATED COPPER AIR TERMINAL. ASSEMBLY INCLUDES SET SCREW, VERTICAL POINT BASE, AND LEAD COATED COPPER PINCH TYPE POINT SUPPORT, BOTH OF WHICH ARE MOUNTED WITH STAINLESS STEEL BOLTS AND LEAD EXPANSION ANCHORS. AIR TERMINAL MUST EXTEND 2'0" MAXIMUM ABOVE CHIMNEY TOP

**NO. A88**—AS ABOVE BUT WITH  $\frac{1}{2}$ " X 4'0" ALUMINUM AIR TERMINAL, BASE, AND SUPPORT.

NOTE: ADD "MM" TO PART NUMBERS SHOWN FOR MOUNTING WITH STAINLESS STEEL SHEET METAL SCREWS.



**NO. 47**—CHIMNEY FLUE TILE MOUNT AIR TERMINAL ASSEMBLY CONSISTING OF A  $\frac{3}{8}$ " DIAMETER AIR TERMINAL AND SET SCREW BASE. ENTIRE UNIT IS LEAD COATED AND IS SECURED TO FLUE TILE WITH STAINLESS STEEL SET SCREWS. AIR TERMINAL PROJECTS 10" MINIMUM ABOVE TOP OF FLUE.



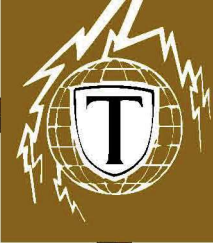
**NO. 90**—A MACHINED BRASS CONNECTOR FOR  $\frac{3}{8}$ " AIR TERMINALS. INTENDED FOR VERTICAL MOUNTING OF  $\frac{3}{8}$ " "LESS ADAPTER" TYPE AIR TERMINALS AND INCLUDES A STAINLESS STEEL MOUNTING BOLT AND LEAD EXPANSION ANCHOR. BASE REQUIRES ADDITIONAL SUPPORT ON THE AIR TERMINAL TO INSURE ADEQUATE SUPPORT.

**NO. 90LA**—AS ABOVE BUT WITHOUT MOUNTING BOLT AND ANCHOR.

**NO. 90M**—SAME AS NO. 90 BUT FOR  $\frac{1}{2}$ " DIAMETER AIR TERMINALS.

**NO. A90M**—AS ABOVE IN ALUMINUM.

NOTE: ADD "MM" TO PART NUMBERS SHOWN FOR MOUNTING WITH STAINLESS STEEL SHEET METAL SCREWS.



**NO. 673-A** TOP MOUNT, FULLY LEAD COATED CHIMNEY AIR TERMINAL ASSEMBLY WHICH INCLUDES A 1/2" X 12" AIR TERMINAL WITH TOP MOUNT FLAT SURFACE BASE.

**NO. 673M-AS** ABOVE BUT WITH 3/8" X 18" LEAD COATED AIR TERMINAL.

NOTE: OTHER LENGTH AIR TERMINALS AVAILABLE ON A SPECIAL ORDER BASIS.

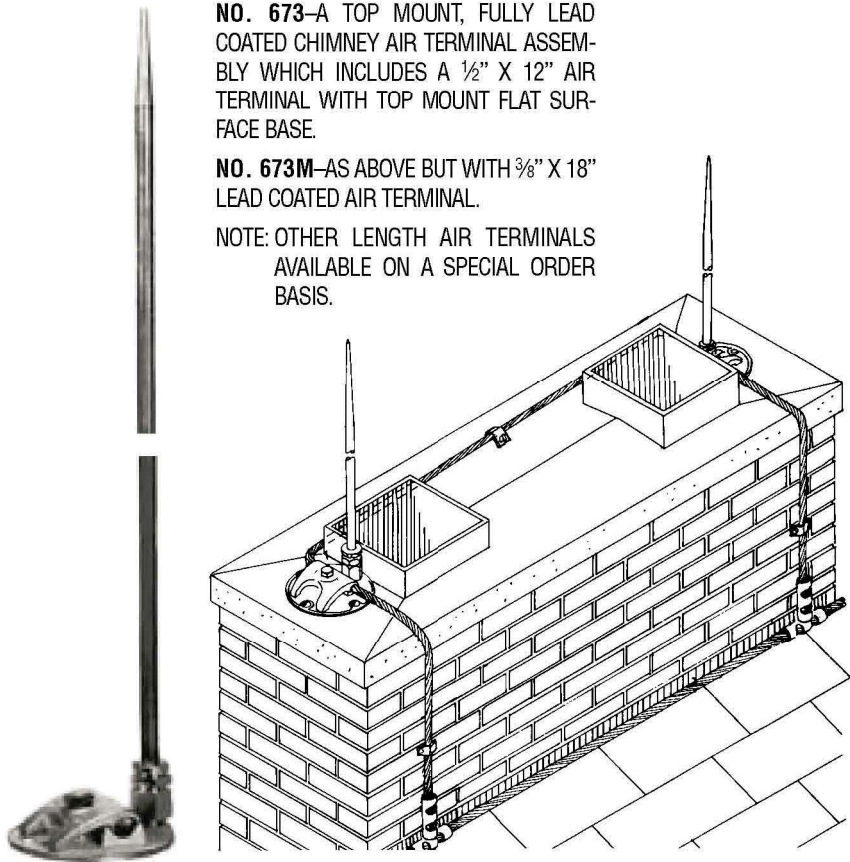


**NO. 100-A** CAST BRONZE CONNECTOR FOR 3/8" AIR TERMINALS. INTENDED FOR VERTICAL MOUNTING OF 3/8" "LESS ADAPTER" TYPE AIR TERMINALS AND INCLUDES A STAINLESS STEEL MOUNTING BOLT AND LEAD EXPANSION ANCHOR. BASE REQUIRES ADDITIONAL SUPPORT ON THE AIR TERMINAL TO INSURE ADEQUATE SUPPORT.

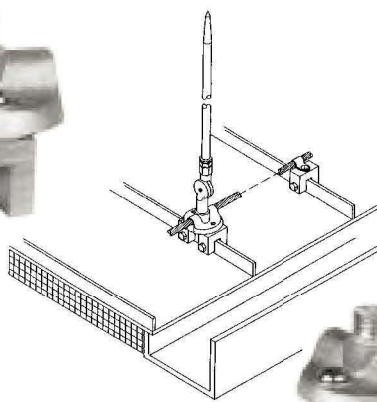
**NO. 100M-AS** ABOVE FOR 1/2" DIAMETER AIR TERMINALS.

**NO. A100M-AS** ABOVE IN ALUMINUM.

NOTE: OTHER LENGTH AIR TERMINALS AVAILABLE ON A SPECIAL ORDER BASIS.



## STANDING SEAM BASES



**NO. 636SSB-A** CAST BRONZE BASE FOR NO PENETRATION MOUNTING ON COPPER STANDING SEAM ROOFS WITH CABLE RUNNING PERPENDICULAR TO THE SEAMS. MAXIMUM SEAM WIDTH IS 1/4". BASE ACCEPTS CABLES THROUGH NO. 506.

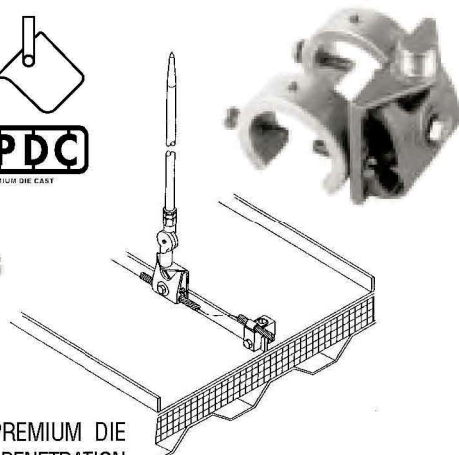
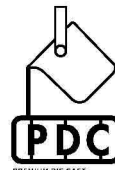
**NO. A636SSB-AS** ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: ORDER SWIVEL ADAPTERS SEPARATELY AS REQUIRED (FIELD BENDING OF AIR TERMINALS IS VERY DIFFICULT FOR THIS APPLICATION).

**NO. 636SSBR-SIMILAR** TO THE NO. 636SSB BUT WITH SET BOLT CLAMPS FOR LARGER ROUND OR SQUARE SEAMS UP TO 1" WIDTH OR DIAMETER. BASE ACCEPTS CABLES THROUGH NO. 506.

**NO. A636SSBR-AS** ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: ORDER SWIVEL ADAPTERS SEPARATELY AS REQUIRED.



**NO. 690XSSB-A** PREMIUM DIE CAST BASE FOR NO PENETRATION MOUNTING ON COPPER STANDING SEAM ROOFS WITH CABLE RUNNING IN-LINE, ADJACENT TO THE ROOF SEAM. MAXIMUM SEAM WIDTH IS 1/4". BASE ACCEPTS CABLES THROUGH NO. 506.

**NO. A690XSSB-AS** ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

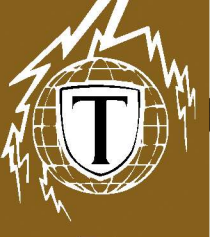
NOTE: ORDER SWIVEL ADAPTERS SEPARATELY AS REQUIRED.

**NO. 690XSSBR-SIMILAR** TO THE NO. 690XSSB BUT WITH CLAMPS TO SECURE BASE TO ROUND OR SQUARE SEAMS UP TO 1" WIDTH OR DIAMETER. BASE ACCEPTS CABLES THROUGH NO. 506.

**NO. A609XSSBR-AS** ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: ORDER SWIVEL ADAPTERS SEPARATELY AS REQUIRED.

# CONDUCTOR SPLICERS



**NO. 117**—A SOLID COPPER PARALLEL SPLICER OF STAMPED CONSTRUCTION. FITS MAIN SIZE CONDUCTORS THROUGH NO. 506.

**NO. A117**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 111**—A SOLID COPPER TEE SPLICER OF STAMPED CONSTRUCTION. CONNECTOR FITS MAIN SIZE CONDUCTORS THROUGH NO. 506.

**NO. A111**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 122**—A SOLID COPPER STRAIGHT SPLICER OF STAMPED CONSTRUCTION FOR END TO END SPLICING OF MAIN CONDUCTORS THROUGH NO. 506.

**NO. A122**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 125**—A STANDARD FORGED PURE COPPER CROSS RUN CLAMP FOR ALL STANDARD CABLES THROUGH NO.506.

**NO. A125**—AS ABOVE IN ALUMINUM FOR CABLE SIZES THROUGH NO. A37.

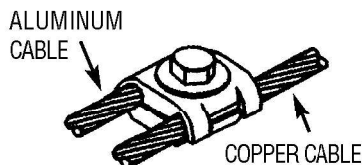


**NO. 120**—A SOLID COPPER TEE SPLICER OF STAMPED CONSTRUCTION. THIS CONNECTOR IS USED TO JOIN MAIN SIZE CONDUCTORS THROUGH NO. 506 TO SECONDARY CONDUCTORS THROUGH NO. 509.

**NO. A120**—AS ABOVE IN ALUMINUM FOR MAIN SIZE CABLES THROUGH NO. A37 TO SECONDARY CABLES THROUGH NO. A509.



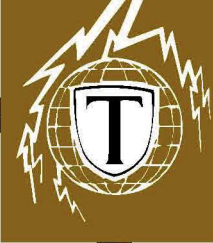
**NO. 128**—A STAMPED BIMETAL TEE SPLICER FABRICATED FROM A SPECIAL "ALCO PLATE" MATERIAL FOR JOINING A MAIN SIZE ALUMINUM TAP CABLE THROUGH NO. A37 TO A MAIN SIZE COPPER RUN CABLE THROUGH NO. 506.



**NO. 141T**—A SPECIALLY PLATED PARALLEL SPLICER USED AS A BIMETAL CONNECTION BETWEEN COPPER AND ALUMINUM CONDUCTORS FROM NO. 29X/NO. A24 THROUGH NO. 507/NO. A507.



**NO. 127**—A STAMPED BIMETAL TEE SPLICER FABRICATED FROM A SPECIAL "ALCO PLATE" MATERIAL FOR JOINING A MAIN SIZE COPPER TAP CABLE THROUGH NO. 506 TO A MAIN SIZE ALUMINUM RUN CABLE THROUGH NO. A37.



**NO. 229S**—A ONE PIECE, HEAVY DUTY, STAINLESS STEEL SPLICER TO JOIN COPPER TO ALUMINUM CABLES UP TO NO. 507/A507. WHEN USED AS A BIMETAL TRANSITION AT DOWN-LEAD LOCATIONS, THIS CLAMP MUST BE 18" MINIMUM ABOVE GRADE. CLAMP HAS WATER TIGHT ISOLATOR AT CENTER AND CAN BE USED WITH EITHER END UP DRAIN HOLES ARE PROVIDED AT BOTH SIDES TO MINIMIZE POTENTIAL CORROSION. STAINLESS STEEL SET SCREWS HAVE ROUNDED ENDS THAT PREVENT CUTTING OF CABLES WHEN TIGHTENED.



**NO. 143**—A PREMIUM DIE CAST CONNECTOR USED FOR CONNECTING SECONDARY BONDING CABLES, NO. 14X THROUGH NO. 509 TO FULL SIZE CABLES THROUGH NO. 506. THIS CLAMP IS ALSO USED FOR BONDING REBAR MESH AND FENCE FABRIC OR WIRES.



**NO. A143**—AS ABOVE IN ALUMINUM FOR SECONDARY CABLE THROUGH NO. A509 TO FULL SIZE CONDUCTORS THROUGH NO. A37.



**NO. 141**—THIS STANDARD 1½" LONG PARALLEL CLAMP HAS A PREMIUM DIE CAST CLAMP FOR CABLES THROUGH NO. 506 OR SOLID ROD UP TO ¾" IN DIAMETER.

**NO. A141**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 423B**—A PREMIUM DIE CAST SPLICER FOR CABLES THROUGH NO. 506 OR SOLID RODS UP TO ½" DIAMETER. THIS SUPERIOR GRADE CLAMP IS A FULL 2" LONG AND PROVIDES FOR A WIDE COMBINATION OF SIZES USING TWO ¾" STAINLESS STEEL CARRIAGE BOLTS.

**NO. A423**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 140**—AN ECONOMICAL CONNECTION FROM MAIN SIZE CABLES THROUGH NO. 506 TO GUTTERS. HAS A STAINLESS STEEL SET SCREW TO PROVIDE A SOLID CONNECTION TO THE GUTTER. ELIMINATES THE NEED FOR A SEPARATE SPLICE AND CABLE RUN TO ACCOMMODATE THIS BOND.

**NO. A140**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 145**—THIS COPPER BONDING PLATE HAS A CAST BRONZE CRIMP TYPE CONNECTOR AND IS USED FOR BONDING CABLES THROUGH NO. 506 TO MECHANICAL EQUIPMENT OR OTHER ROOF TOP METAL BODIES. THE CONTACT PLATE IS BIMETAL COATED TO ALLOW CONNECTION TO ALUMINUM SURFACES.



**NO. 145B**—AS ABOVE BUT BARE COPPER ONLY.

**NO. A145**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 134**—A CAST BRONZE BONDING LUG WITH A CRIMP TYPE CONNECTION FOR CABLES THROUGH NO. 506. USED FOR BONDING ROOF TOP METAL OBJECTS.



**NO. A134**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 130**—A CAST BRONZE BONDING LUG WITH A CRIMP TYPE CABLE CONNECTION FOR MAIN SIZE CABLES THROUGH NO. 506.



**NO. A130**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

\*SECONDARY BONDS ONLY.

**NO. 131**—A CAST BRONZE BONDING LUG WITH CRIMP TYPE CABLE CONNECTION FOR BONDING SECONDARY SIZE CABLES THROUGH NO. 509 TO FLASHINGS, ROOF DRAINS, JOINT COVERS, ETC.



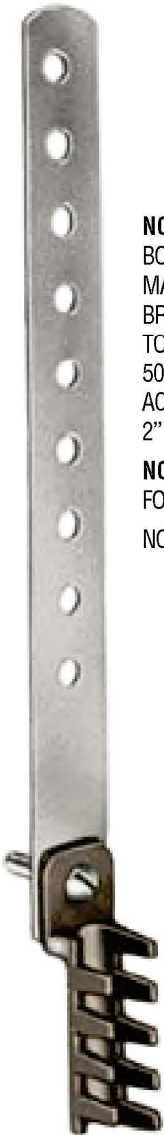
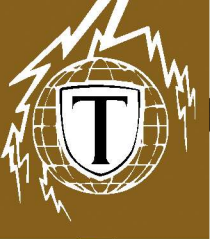
**NO. A131**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A509.

**NO. 142X**—A COMPRESSION TYPE CAST BRONZE SECONDARY SIZE BONDING CLAMP THAT REQUIRES NO FASTENERS. USED TO BOND ROOF DRAINS, FLASHINGS, LOUVERS, ETC. FOR CONDUCTOR SIZES NO. 14X-NO. 509.



**NO. A142X**—AS ABOVE IN ALUMINUM FOR CONDUCTOR SIZES NO. A509X-NO. A509.

# BONDING CONNECTORS



**NO. 147**—A 1" WIDE TINNED COPPER BONDING STRAP FOR PIPES UP TO A MAXIMUM DIAMETER OF 4". THE CAST BRONZE CRIMP TYPE CABLE CONNECTOR ACCEPTS CABLES THROUGH NO. 506. MULTIPLE HOLES IN THE STRAP ACCOMMODATE PIPE SIZES DOWN TO 2" DIAMETER.

**NO. A147**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NOTE:** OTHER SIZES OF THIS STRAP ARE AVAILABLE FOR LARGER DIAMETERS. TO ORDER, SUFFIX DENOTING LARGER DIAMETERS IN 2" INCREMENTS MUST BE ADDED TO PART NUMBERS SHOWN. EXAMPLE: 147-6 IS FOR 6" DIAMETER, 147-8 IS FOR 8" DIAMETER, ETC.



**NO. 240**—THIS CAST BRONZE PIPE CLAMP IS TIN COATED TO PREVENT CORROSION. CLAMP ACCEPTS CABLES THROUGH NO. 506 AND PIPE OR TUBE DIAMETERS UP TO 1 1/4" O.D. USED FOR BONDING MAIN SIZE CONDUCTORS TO MAIN WATER SERVICE PIPING OR ELECTRICAL CONDUITS, ETC.

**NO. A240**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 240X**—THIS IS A LARGER VERSION OF NO. 240 THAT WILL ACCEPT PIPING UP TO 2 1/4" O.D. MAXIMUM.

**NO. A240X**—AS ABOVE IN ALUMINUM.



**NO. 802**—A U-BOLT TYPE PIPE BONDING CLAMP WITH A CAST BRONZE CABLE CONNECTION AND 5/16" STAINLESS STEEL U-BOLT. THIS CLAMP ACCEPTS ALL CABLES THROUGH NO. 507 AND A MAXIMUM PIPE O.D. OF 1 7/16".

**NO. A802**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH A507.

**NO. 803**—SIMILAR TO NO. 802 BUT FOR MAXIMUM O.D. OF 2 1/8".

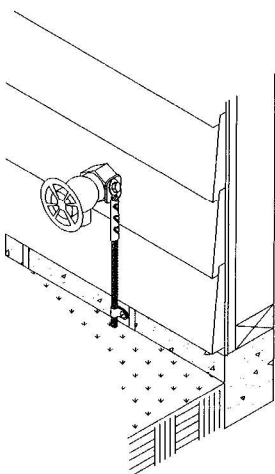
**NO. A803**—SIMILAR TO NO. A802 BUT FOR MAXIMUM O.D. OF 2 1/8".

**NO. 804**—SIMILAR TO NO. 802 BUT FOR MAXIMUM O.D. OF 3 3/16".

**NO. A804**—SIMILAR TO NO. A802 BUT FOR MAXIMUM O.D. OF 3 3/16".

**NO. 805**—SIMILAR TO NO. 802 BUT FOR MAXIMUM O.D. OF 4 3/16".

**NO. A805**—SIMILAR TO A802 BUT FOR MAXIMUM O.D. OF 4 3/16".

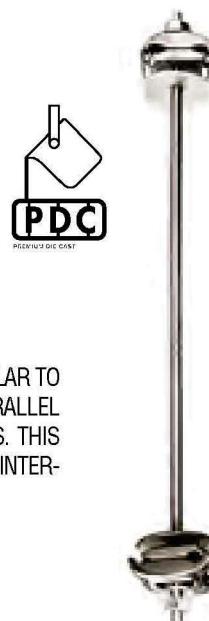
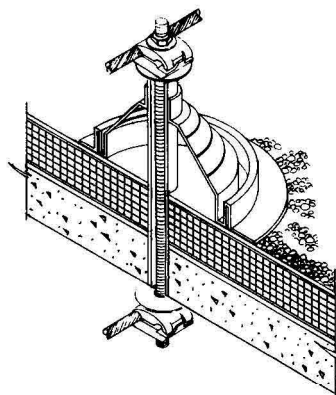
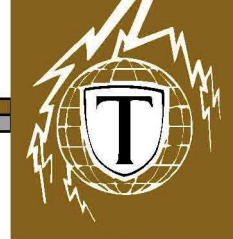


**NO. 241M**—THIS CONNECTOR IS SIMILAR IN USE TO NO. 241 BUT IS INSTALLED DIRECTLY ON THE SILL COCK THREADS. COMES COMPLETE WITH SEALING WASHER. THREADED EXTENSION ALLOWS NORMAL USE OF HOSES, ETC. CABLE SIZE AND USAGE CRITERIA ARE AS NOTED FOR NO.241.

**Thompson Lightning Protection, Inc.**

901 Sibley Highway, Saint Paul, Minnesota 55118-1792 • Phone 651-455-7661  
1-800-777-1230 • E-mail: tlp@tlpinc.com • Fax 651-455-2545

# THROUGH ROOF CONNECTORS



**NO. 156X-A** THROUGH ROOF ASSEMBLY WITH PREMIUM DIE CAST PARALLEL CONNECTOR AT THE TOP THAT ACCEPTS TWO CABLES. A  $\frac{3}{8}$ " DIAMETER X 18" LONG ALL THREAD BRASS ROD PROVIDES THE THROUGH ROOF TRANSITION TO A MACHINED COPPER ALLOY VERTICAL CONNECTOR AT THE LOWER END. THIS ASSEMBLY IS USED AS A TRANSITION FROM ROOF TO DOWN-LEAD CABLES AT LARGE EAVE OVERHANGS OR TO BRING EXPOSED CHIMNEY AIR TERMINALS

THROUGH THE ROOF TO A CONCEALED SYSTEM. FOR CONDUCTORS THROUGH NO. 506.

**NO. A156X**-AS ABOVE BUT WITH  $\frac{1}{2}$ " X 18" FULL THREAD ALUMINUM RISER BAR. FOR CABLES THROUGH NO. A37.

**NO. 156-A** THROUGH ROOF CONNECTOR SIMILAR TO NO. 156X, BUT WITH A PREMIUM DIE CAST PARALLEL CONNECTOR AT BOTH UPPER & LOWER ENDS. THIS ALLOWS A SECOND LEAD FOR BONDING OR INTERCONNECTING OTHER CONCEALED CABLES.

**NO. A156-A** AS ABOVE IN ALUMINUM.

NOTE: FOR BIMETAL USE ADD "M" TO PART NUMBERS SHOWN.



**NO. 156BT-4 (-12) OR (-18) OR (-24)**-A THROUGH ROOF CONNECTOR FOR USE WHERE DOWNLEAD CABLES ARE TERMINATED ABOVE THE ROOF DECK AND UNDER THE FINISHED ROOF AND INSULATION. THE FLAT SURFACE BASE IS SECURED TO THE DECK. THE  $\frac{1}{2}$ " DIAMETER RISER BAR HAS AN INTEGRAL 1" PVC SLEEVE FOR USE WITH "BOOT TYPE" FLASHINGS. THE PREMIUM DIE CAST CONNECTORS ACCEPT CONDUCTORS THROUGH NO. 506. RISER LENGTHS ARE 12", 18" OR 24" DENOTED -() AT THE END OF THE PART NUMBER.

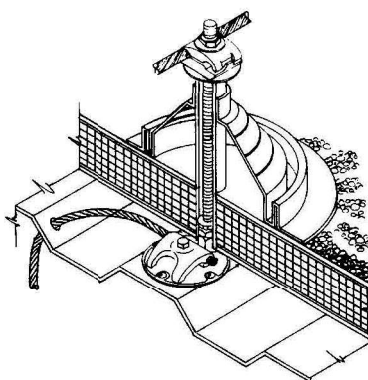
**NO. A156BT-4 (-12) OR (-18) OR (-24)**-AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

NOTE: FOR BIMETAL USE WITH ALUMINUM CLAMP AT TOP, STAINLESS STEEL RISER, AND BRONZE BASE, ADD THE LETTER "B" IN FRONT OF THE FIRST HYPHEN IN THE CATALOG NUMBER (i.e. 156BT B-4-12 ETC.)

**NO. 156P-4 (-12) OR (-18) OR (-24)**-THIS THROUGH ROOF ASSEMBLY IS SIMILAR TO THE UNIT AT THE LEFT EXCEPT THAT THE RISER PASSES THROUGH THE ROOF DECK WITH THE DOWNLEAD TERMINATION BELOW THE ROOF.

**NO. A156P-4 (-12) OR (-18) OR (-24)**-AS ABOVE IN ALUMINUM.

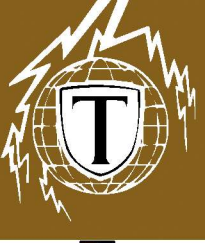
NOTE: FOR BIMETAL USE WITH ALUMINUM CLAMP AT TOP, STAINLESS STEEL RISER BAR, AND BRONZE BASE CONNECTOR ADD THE LETTER "B" IN FRONT OF THE FIRST HYPHEN IN THE CATALOG NUMBER SHOWN ABOVE (i.e. 156PB-4-12 ETC.)



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# CABLE HOLDERS



**NO. 730**—A STAMPED CABLE HOLDER SECURED WITH ADHESIVE ON FLAT ROOFS. THE ROLLED EDGE AND BREAK-AWAY TABS ARE DESIGNED TO PROTECT ROOF SURFACES. ACCEPTS ALL CABLES THROUGH NO. 507.

**NO. A730**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A507.

**NO. 731-G**—ONE GALLON "CONSTRUCTION MASTIC" FOR USE ON ASPHALT BASED OR METAL ROOFS. NO. 731-Q DENOTES THE 29 OZ. TUBE.

**NOTE:** IF ROOF IS SINGLE MEMBRANE TYPE, I.E., PVC, EPDM, THERMOPLASTIC, ETC., SPECIAL ADHESIVES COMPATIBLE WITH THE ROOF MATERIAL MUST BE USED.

**NOTE:** IT IS VERY IMPORTANT TO SELECT AN ADHESIVE THAT IS COMPATIBLE WITH THE ROOFING SYSTEM IN USE. A WIDE VARIETY OF ADHESIVES ARE AVAILABLE IN GALLON CANS OR 29 OZ. OR 10 OZ. TUBES. (PACKAGE SIZE VARIES BY BRAND.) ONE GALLON IS USUALLY REQUIRED FOR 50 AIR TERMINAL BASES OR 100 CABLE HOLDERS.



**NO. 162**—AN ECONOMY COPPER CABLE LOOP OF 1/2" WIDE STOCK. ACCEPTS CABLES THROUGH NO. 506. RECOMMENDED MOUNTING IS WITH 4d OR 6d NAIL.

**NO. A163**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.



**NO. 166**—A 5/8" WIDE COPPER CABLE SUPPORT LOOP FOR USE WITH MAIN SIZE CABLES THROUGH NO. 506. LOOP IS PRE-FORMED FOR EASE OF INSTALLATION AND IS SECURED WITH FASTENERS OF 1/4" MAXIMUM DIAMETER.

**NO. A166**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 165**—A 1/2" WIDE COPPER LOOP SIMILAR TO ABOVE. MOUNTING HOLES ARE FOR NAILS OR SCREWS NOT LARGER THAN 1/8" IN DIAMETER.

**NO. A165**—AS ABOVE IN ALUMINUM.



**NO. 589X**—A HEAVY DUTY CAST BRONZE CLIP USED TO SECURE THE NO. 465X COPPER GUARD PIPE. (THREE CLIPS PER GUARD.) MOUNTING HOLE IS 1/4" CLEARANCE. ORDER FASTENERS SEPARATELY.



**NO. 589XG**—AS ABOVE BUT OF GALVANIZED STEEL FOR USE WITH 3/4" PVC OR METAL CONDUIT GUARDS.

**NO. 158**—A 1/2" WIDE STAMPED COPPER CLIP WITH MOUNTING HOLE FOR NAILS OR SCREWS UP TO 1/8" DIAMETER. FOR CABLES FROM NO. 14X THROUGH NO. 509.



**NO. A158**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A509.

**NO. 159**—SIMILAR TO NO. 158 BUT WITH MOUNTING HOLE FOR 1/4" MAXIMUM DIAMETER FASTENERS.



**NO. A159**—AS ABOVE IN ALUMINUM.

**NO. 168**—A 5/8" WIDE HEAVY DUTY SOLID COPPER CLIP WITH SLOTTED MOUNTING HOLE FOR 1/4" MAXIMUM FASTENERS. CLIP ACCEPTS CONDUCTORS FROM NO.14 THROUGH NO.507.



**NO. A168**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A507.

**NO. 167**—A 1/2" WIDE COPPER CLIP SIMILAR TO NO. 168 FOR MOUNTING WITH NAILS OR OTHER FASTENERS NOT OVER 3/16" DIAMETER.

**NO. A167**—AS ABOVE IN ALUMINUM.

**NO. 188M**—A COPPER WRAP-AROUND STRAP AND CLIP CABLE SUPPORT FOR SECURING CABLES THROUGH NO. 506. TO PIPES UP TO 2" O.D.



**NO. A188M**—AS ABOVE IN ALUMINUM FOR CABLES THROUGH NO. A37.

**NO. 188MX**—AS ABOVE BUT FOR NO. 507

**NO. A188MX**—AS ABOVE IN ALUMINUM FOR A507 CABLE.

**NOTE:** FOR TINNED STRAP ADD "T" TO THE PART NUMBERS SHOWN, I.E. NO. 188MT, ETC.

**NOTE:** FOR LARGER SIZE STRAPS ADD DESIRED DIAMETER TO PART NUMBER: EXAMPLE 4" DIAMETER=NO. 188M-4, ETC.

**NO. ??????**—NEW COPY, NEW COPY, NEW COPY, NEW COPY, NEW COPY, NEW COPY, NEW COPY, NEW COPY, NEW COPY

THE 3" OF COPY IS NOT GOING TO FIT HERE

**NO. 157**—A COPPERCLAD STAPLE FOR SECONDARY CABLES THROUGH NO.509.

**NO. A157**—AS ABOVE FOR ALUMINUM CABLES THROUGH NO. A509.

**NO. 157M**—A COPPERCLAD STAPLE FOR MAIN SIZE CABLES THROUGH NO.506.

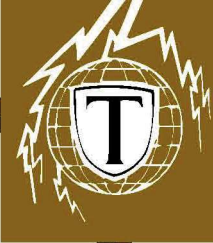
**NO. A157M**—AS ABOVE FOR ALUMINUM CABLES THROUGH NO. A507.

**NO. 157G**—A HEAVY COPPERCLAD STAPLE FOR USE WITH NO. 243 WOOD GUARD.





# DOWN CONDUCTORS GUARDS



**NO. 465X**—A  $\frac{3}{4}$ " DIAMETER, 8'0" LONG COPPER TUBE DOWN CONDUCTOR GUARD. COMES COMPLETE WITH A SET SCREW TYPE CONNECTOR FOR BONDING THE DOWNLEAD CABLE AT THE TOP AND BOTTOM ENDS.

NOTE: SUPPORTS AND FASTENERS ARE ORDERED SEPARATELY. USE 3- NO. 584X BRONZE CLIPS PER GUARD. THESE CLIPS HAVE  $\frac{1}{4}$ " CLEARANCE HOLES FOR MOUNTING HARDWARE.



**NO. 246**— $\frac{3}{4}$ " DIAMETER, 8'0" LONG PVC CONDUIT DOWNLEAD GUARD. SECURED WITH 3 GALVANIZED STEEL SUPPORT STRAPS (NO. 584XG) FOR USE WITH  $\frac{1}{4}$ " DIAMETER FASTENERS. ORDER STRAPS AND FASTENERS SEPARATELY.

**NO. 242XP**—A ONE PIECE MOLDED PVC GUARD 8'0" LONG FOR PROTECTION OF EXPOSED DOWN CONDUCTORS. GUARD CAN BE MOUNTED TO WOOD, METAL OR MASONRY SURFACES. SIX FASTENERS ARE RECOMMENDED AND SHOULD BE ORDERED SEPARATELY. MOUNTING HOLES ARE FOR  $\frac{1}{8}$ " MAXIMUM DIAMETER FASTENERS. COLOR IS LIGHT GRAY.

**NO. 242X**—SIMILAR IN PROFILE TO ABOVE BUT 7'0" LONG AND OF GALVANIZED STEEL WHERE EXTRA STRENGTH IS REQUIRED. REQUIRES 6 -  $\frac{1}{4}$ " DIAMETER FASTENERS WHICH MUST BE ORDERED SEPARATELY.

**NO. 242X-5**—AS ABOVE BUT 5'0" LONG.



**NO. 243**—THIS HEAVY DUTY PRESSURE TREATED WOOD GUARD IS 8'0" LONG. TYPICALLY USED ON WOOD POLE LIGHTNING MASTS. SECURE WITH 2 - NO. 257G COPPERWELD STAPLES WHICH ARE ORDERED SEPARATELY.



**NO. 230**—A HEAVY DUTY 2 $\frac{3}{8}$ " LONG CAST BRONZE TWO BOLT GROUND ROD CLAMP FOR  $\frac{1}{2}$ " GROUND RODS. THIS CLAMP HAS TWO  $\frac{5}{16}$ " STAINLESS STEEL SET SCREWS AND WILL ACCEPT MAIN SIZE CABLES THROUGH NO. 506. THIS CLAMP IS ALSO USED TO CONNECT CABLES TO  $\frac{1}{2}$ " AIR TERMINALS OR THROUGH ROOF RISERS ETC.

**NO. 231**—AS ABOVE BUT FOR  $\frac{5}{8}$ " GROUND RODS AND CABLES THROUGH NO.507.



**NO. 519**—A VERY LARGE, HEAVY DUTY 2 $\frac{3}{8}$ " LONG CAST BRONZE GROUND ROD CLAMP FOR  $\frac{3}{4}$ " GROUND RODS. THIS CLAMP HAS TWO  $\frac{5}{16}$ " STAINLESS STEEL SET SCREWS AND WILL ACCEPT CABLES THROUGH NO. 507.



**NO. 693**—THIS CLAMP IS OUR PREMIER MULTI-PURPOSE BOLT PRESSURE CLAMP. USAGES INCLUDE CONNECTING MAIN SIZE CABLES FROM 29X THROUGH 506 TO SOLID RODS (AIR TERMINALS, RISERS, OR GROUND RODS) THROUGH  $\frac{3}{4}$ " DIAMETER.

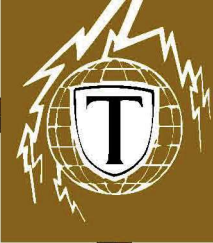
**NO. 693M**—AS ABOVE BUT LARGER FOR MINIMUM  $\frac{3}{4}$ " GROUND RODS TO NO. 507 THROUGH NO. 510 CABLES.



**NO. 493**—THIS  $\frac{5}{16}$ " STAINLESS STEEL U-BOLT TYPE ROD TO CABLE CLAMP IS A VERY VERSATILE CONNECTOR FOR CLAMPING ALL MAIN SIZE CABLES FROM NO. 29X THROUGH NO. 507 TO GROUND RODS THROUGH  $\frac{3}{4}$ " DIAMETER. THIS CLAMP CAN ALSO BE USED TO CONNECT AIR TERMINALS, RISER BARS, REINFORCING RODS OR SMALL PIPING (THROUGH  $\frac{7}{8}$ " DIAMETER) TO CABLES.

**NO. A493**—AS ABOVE BUT FOR MAIN SIZE ALUMINUM CABLES FROM NO. A24 THROUGH NO. A507.

NOTE: ALUMINUM CLAMP IS NOT FOR UNDERGROUND USE.



### STANDARD COPPERCLAD GROUND ROD

- NO. TL128— $\frac{1}{2}$ " X 8'0" COPPERCLAD GROUND ROD.
- NO. TL1210— $\frac{1}{2}$ " X 10'0" COPPERCLAD GROUND ROD.
- NO. TL588— $\frac{5}{8}$ " X 8'0" COPPERCLAD GROUND ROD.
- NO. TL5810— $\frac{5}{8}$ " X 10'0" COPPERCLAD GROUND ROD.
- NO. TL348— $\frac{3}{4}$ " X 8'0" COPPERCLAD GROUND ROD.
- NO. TL3410— $\frac{3}{4}$ " X 10'0" COPPERCLAD GROUND ROD.
- NO. TL1010—1" X 10'0" COPPERCLAD GROUND ROD.

NOTE: OTHER SIZE RODS AVAILABLE. CONTACT FACTORY.

### SECTIONAL COPPERCLAD GROUND RODS

- NO. TL125S— $\frac{1}{2}$ " X 5'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL126S— $\frac{1}{2}$ " X 6'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL128S— $\frac{1}{2}$ " X 8'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL1210S— $\frac{1}{2}$ " X 10'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL585S— $\frac{5}{8}$ " X 5'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL586S— $\frac{5}{8}$ " X 6'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL588S— $\frac{5}{8}$ " X 8'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL5810S— $\frac{5}{8}$ " X 10'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL345S— $\frac{3}{4}$ " X 5'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL348S— $\frac{3}{4}$ " X 8'0" SECTIONAL COPPERCLAD GROUND ROD.
- NO. TL3410S— $\frac{3}{4}$ " X 10'0" SECTIONAL COPPERCLAD GROUND ROD.

### COUPLERS

HIGH STRENGTH BRONZE FOR COPPERCLAD SECTIONAL RODS.

- NO. 50C—FOR  $\frac{1}{2}$ " RODS.
- NO. 60C—FOR  $\frac{5}{8}$ " RODS.
- NO. 70C—FOR  $\frac{3}{4}$ " RODS.

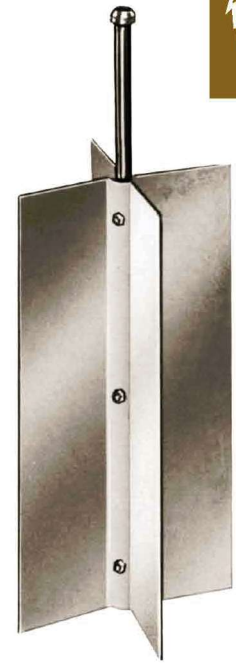
### DRIVE STUDS

HIGH STRENGTH TOOL STEEL BOLT FOR DRIVING SECTIONAL RODS.

- NO. 50DS—FOR  $\frac{1}{2}$ " SECTIONAL RODS.
- NO. 60DS—FOR  $\frac{5}{8}$ " SECTIONAL RODS.
- NO. 70DS—FOR  $\frac{3}{4}$ " SECTIONAL RODS.

NOTE:  $\frac{1}{2}$ " GROUND RODS ARE FOR CLASS I APPLICATIONS ONLY

NO. 235—THIS GROUND DEVICE IS AN ALTERNATE TO DRIVEN GROUND RODS OR FLAT PLATES. USED WHERE SMALLER EXCAVATION OR DRILLED HOLE METHOD OF INSTALLATION IS PREFERRED. UNIT IS FABRICATED OF 20 GAUGE COPPER WITH EACH OF THE FOUR "WINGS" HAVING A DIMENSION OF  $\frac{3}{2}$ " WIDE X 18" LONG. SET SCREW CABLE CONNECTOR ACCEPTS ALL MAIN SIZE COPPER CABLES THROUGH NO. 506.



NO. 233E—A SOLID COPPER GROUND PLATE USED WHERE SHALLOW OR ROCKY TOP SOIL CONDITIONS PRECLUDE THE USE OF DRIVEN GROUND RODS. PLATE IS 18" X 18" X 30 GAUGE THICK AND COMES COMPLETE WITH A BOLT PRESSURE CONNECTION PLATE FOR CABLES THROUGH NO. 506.

NO. 233MME—AS ABOVE BUT 24" X 24" IN SIZE.

NO. 234E—AS ABOVE BUT 36" X 36" IN SIZE.

## CUSTOM HEAVY DUTY GROUND PLATES

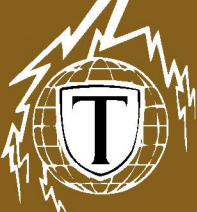


FOR APPLICATIONS WHERE EXOTHERMIC CONNECTIONS TO GROUND PLATES ARE REQUIRED. THE FOLLOWING OPTIONS ARE AVAILABLE. ( $\frac{1}{4}$ " PLATE IS REQUIRED TO PREVENT "BURN THROUGH" AT WELD POINTS)

NO. 234MX—24" X 24" X  $\frac{1}{4}$ " THICK COPPER PLATE.

NO. 234MX—12" X 48" X  $\frac{1}{4}$ " THICK COPPER PLATE.

NOTE: ORDER MOLDS, WELD METALS, AND HANDLES ETC. SEPARATELY BASED ON CABLE SIZE IN USE.



### "NAIL-IN" ANCHORS

**NO. 208N**—A STAINLESS STEEL MASONRY ANCHOR WHICH REQUIRES ONLY A 1/4" DRILLED HOLE. FOR USE WITH BASES AND CLIPS MOUNTED WITH 1/4" DIAMETER FASTENERS.

**NO. 208NM**—SAME STYLE AS ABOVE BUT 3/16" DIAMETER.



### LEAD EXPANSION TYPE "PAK-TITE" ANCHORS

**NO. 208**—FOR 1/4" BOLT SIZE — 1/2" DRILLED HOLE.

**NO. 209**—FOR 5/16" BOLT SIZE — 7/16" DRILLED HOLE.

**NO. 480**—FOR 3/8" BOLT SIZE — 5/8" DRILLED HOLE.

**NO. 481**—FOR 1/2" BOLT SIZE — 3/4" DRILLED HOLE.



**NO. 212**—A SPLIT LEAD EXPANSION SCREW ANCHOR FOR NO. 9 SCREW SIZE.

**NO. 212P**—AS ABOVE BUT PLASTIC TYPE EXPANSION ANCHOR. NOTE: OTHER SIZES AVAILABLE UPON REQUEST. CONTACT FACTORY.



### WOOD SCREWS

**NO. 201**—NO. 8 X 1 1/2" BRASS.

**NO. 201S**—NO. 8 X 1 1/2" STAINLESS STEEL.

**NO. 715**—NO. 12 X 1 1/2" BRASS.

**NO. 715S**—NO. 12 X 1 1/2" STAINLESS STEEL.

NOTE: OTHER SIZES AVAILABLE UPON REQUEST. CONTACT FACTORY.



### ROUND HEAD MACHINE SCREWS

#### STAINLESS STEEL

**NO. 203XS**—1/4" X 1/2"

**NO. 204XS**—1/4" X 3/4"

**NO. 205XS**—1/4" X 1"

**NO. 206XS**—1/4" X 1 1/2"



### HEX HEAD CAP SCREWS

#### STAINLESS STEEL

**NO. 717S**—5/16" X 1"

**NO. 717S-12**—5/16" X 1 1/2"

**NO. 717S-16**—5/16" X 2"

**NO. 717S-24**—5/16" X 3"

**NO. 718S**—3/8" X 1"

**NO. 718S-12**—3/8" X 1 1/2"

**NO. 718S-16**—3/8" X 2"

**NO. 718S-24**—3/8" X 3"



### FLAT WASHERS

#### STAINLESS STEEL

**NO. 723S**—1/4" I.D. X 1 1/16" O.D.

**NO. 724S**—5/16" I.D. X 7/8" O.D.

**NO. 725S**—3/8" I.D. X 7/8" O.D.

**NO. 726S**—1/2" I.D. X 1 1/4" O.D.

**NO. 726-5S**—5/8" I.D. X 1 1/2" O.D.

### HEX NUTS



### STAINLESS STEEL

**NO. 719S**—1/4" FULL

**NO. 720S**—5/16" FULL

**NO. 721S**—3/8" FULL

**NO. 721S-J**—3/8" JAM

**NO. 722S**—1/2" FULL

**NO. 722S-J**—1/2" JAM

**NO. 722S-5**—5/8" FULL

**NO. 722S-5J**—5/8" JAM



**NO. 189-4** PENNY COPPERWELD CLIP NAIL, 1 1/2" LONG.

**NO. A189**—SAME AS NO. 189 EXCEPT ALUMINUM.

**NO. 191-6** PENNY COPPERWELD CLIP OR SADDLE NAIL, 2" LONG.

**NO. A191**—SAME AS NO. 191 EXCEPT ALUMINUM.

**NO. 192-8** PENNY COPPERWELD CLIP OR SADDLE NAIL, 2 1/2" LONG.

**NO. A192**—SAME AS NO. 192 EXCEPT ALUMINUM.

**NO. 193-4** PENNY OVAL HEAD PURE COPPER BARBED CLIP NAIL, 1 1/2" LONG.

**NO. A193**—SAME AS NO. 193 EXCEPT ALUMINUM.

**NO. 194-6** PENNY OVAL HEAD PURE COPPER BARBED CLIP OR SADDLE NAIL, 2" LONG.

**NO. A194**—SAME AS NO. 194 EXCEPT ALUMINUM.



### STAINLESS STEEL SHEET METAL SCREWS

**NO. 207**—NO. 12 X 5/8"

**NO. 207-6**—NO. 12 X 3/4"

**NO. 207M-5**—NO. 10 X 5/8"

**NO. 207M-6**—NO. 10 X 3/4"

**NO. 207M-8**—NO. 10 X 1"

**NO. 207M-12**—NO. 10 X 1 1/2"



### STAINLESS STEEL "TEKS" SCREWS

**NO. 207TS**—A SELF DRILLING, SELF TAPPING STAINLESS STEEL SHEET METAL SCREW. NO. 10-16 X 3/4" WITH HEX HEAD DRIVE.

### LOCK WASHERS — "SPLIT-RING" TYPE STAINLESS STEEL

**NO. 270**—FOR 1/4" BOLTS

**NO. 271**—FOR 5/16" BOLTS

**NO. 272**—FOR 3/8" BOLTS

**NO. 273**—FOR 1/2" BOLTS

**NO. 274**—FOR 5/8" BOLTS



### SPECIALTY WASHERS

**NO. 200**—LEAD WASHER FOR NAILS OR SCREWS.

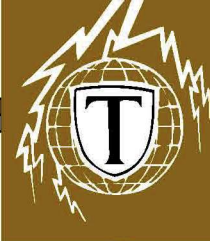
**NO. 200N**—AS ABOVE IN NEOPRENE.

**NO. 727**—3/8" I.D. X 1 1/4" O.D. LEAD WASHER.

**NO. 727N**—3/8" I.D. X 1 1/2" O.D. EPDM WASHER.

**NO. 728**—1/2" I.D. X 1 1/4" O.D. LEAD WASHER.

**NO. 728N**—1/2" I.D. X 2" O.D. EPDM WASHER.



SHOWN HERE ARE THE LATEST THOMPSON PRODUCTS DESIGNED TO PROVIDE THE UTMOST IN PRODUCT PERFORMANCE AND PERSONNEL SAFETY.

THE DEVELOPMENT OF THESE AIR TERMINALS IS BASED ON:

- 1) SCIENTIFIC RESEARCH THAT "BLUNT" TIP AIR TERMINALS OFFER AN ADVANTAGE AS LIGHTNING STRIKE RECEPTORS.
- 2) AN EVER INCREASING EMPHASIS ON SAFETY IN THE CONSTRUCTION INDUSTRY.

FIXED BLUNT TIP AIR TERMINALS ARE PRIMARILY INTENDED FOR USE AT ROOF PERIMETERS WHERE OTHER PROVISIONS FOR FALL/IMPALEMENT PROTECTION ALREADY EXIST. SPRING TYPE MODELS WITH THE PERSONNEL PROTECTOR DEVICE PROVIDE THE ULTIMATE IN SAFETY FOR MIDROOF APPLICATIONS.



SHOWN HERE ARE THE "SAFETY TOP" PROTECTORS USED ON THE THOMPSON SAFETY AIR TERMINALS. THEY CAN BE ORDERED SEPARATELY FOR FIEL RETRO-FITS AS SHOWN BELOW:

**NO. PP 328**—U.V. RESISTANT EXTRUDED NYLON FOR  $\frac{3}{8}$ " DIAMETER AIR TERMINALS.

**NO. PP 228**—AS ABOVE FOR  $\frac{1}{2}$ ".

**NO. PP 528**—AS ABOVE FOR  $\frac{5}{8}$ ".

**NO. PP382RFC**—RETROFIT SAFETY TOP ASSEMBLY FOR USE ON EXISTING  $\frac{3}{8}$ " DIAMETER AIR TERMINALS TO CONVERT THEM TO A BLUNT TIP SAFETY AIR TERMINAL.

**NO. PP122RFC**—AS ABOVE FOR EXISTING  $\frac{1}{2}$ " COPPER AIR TERMINALS.

**NO. PP122RFA**—AS ABOVE FOR  $\frac{1}{2}$ " ALUMINUM.

**NO. PP582RFC**—AS ABOVE FOR  $\frac{5}{8}$ " COPPER.

**NO. PP582RFA**—AS ABOVE FOR  $\frac{5}{8}$ " ALUMINUM.

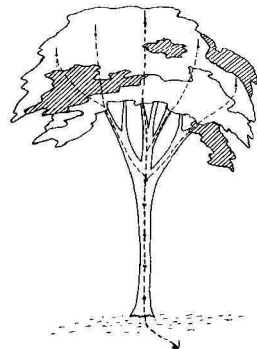


COPPER	"BT" SERIES	"PP" SERIES	"SPBT" SERIES	"SPPP" SERIES
$\frac{3}{8}$ X 12	52BT	52PP	N/A	N/A
$\frac{3}{8}$ X 18	662BT	662PP	N/A	N/A
$\frac{3}{8}$ X 24	573BT	573PP	N/A	N/A
$\frac{1}{2}$ X 12	55BT	55PP	55SPBT	55SPPP
$\frac{1}{2}$ X 18	56BT	56PP	56SPBT	56SPPP
$\frac{1}{2}$ X 24	572BT	572PP	572SPBT	572SPPP
$\frac{5}{8}$ X 12	665BT	665PP	665SPBT	665SPPP
$\frac{5}{8}$ X 18	666BT	666PP	666SPBT	666SPPP
$\frac{5}{8}$ X 24	571BT	571PP	571SPBT	571SPPP
ALUMINUM				
$\frac{1}{2}$ X 12	A55BT	A55PP	A55SPBT	A55SPPP
$\frac{1}{2}$ X 18	A56BT	A56PP	A56SPBT	A56SPPP
$\frac{1}{2}$ X 24	A572BT	A572PP	A572SPBT	A572SPPP
$\frac{5}{8}$ X 12	A665BT	A665PP	A665SPBT	A665SPPP
$\frac{5}{8}$ X 18	A666BT	A666PP	A666SPBT	A666SPPP
$\frac{5}{8}$ X 24	A571BT	A571PP	A571SPBT	A571SPPP

## TREE PROTECTION



**NO. 321**—MINIATURE TREE AIR TERMINAL. ASSEMBLY INCLUDES A  $\frac{1}{4}$ " X 8" SOLID COPPER POINT AND CRIMP TYPE CABLE CONNECTOR TO SERVE AS A BRANCH POINT. FOR MINIATURE CABLES THROUGH NO. 509. SECURE WITH STAINLESS STEEL SCREWS.



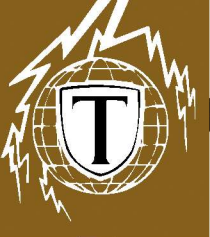
**NO. 324**—A CAST BRONZE, DRIVE TYPE ATTACHMENT FOR FASTENING FULL SIZE CABLE ON TREE INSTALLATIONS. USE PRE-DRILLED PILOT HOLE ON HARDWOOD TREES.

**NO. 324M**—AS ABOVE EXCEPT FOR MINIATURE CABLE AT BRANCH POINTS.

NOTE: WE SHOW ONLY COPPER/BRONZE MATERIALS FOR USE ON TREE PROTECTION SYSTEMS. ALUMINUM SHOULD NOT BE USED DUE TO OVERALL STRENGTH AND CORROSION RESISTANCE CONSIDERATIONS.

**NO. 320**—A MAIN SIZE TREE AIR TERMINAL. ASSEMBLY INCLUDES A  $\frac{3}{8}$ " X 36" SOLID COPPER POINT AND CAST BRONZE CRIMP TYPE CABLE CONNECTOR. USED AS THE MAIN TRUNK AIR TERMINAL. FOR CABLES THROUGH NO. 506. SECURE WITH STAINLESS STEEL SCREWS.





**SKYLINE PLASTIC BALLS**—THESE 3½” ORNAMENTAL BALLS ARE MADE OF DURABLE STYRENE IN A VARIETY OF COLORS. THEY REPRESENT THE CLASSIC, TRADITIONAL “RIBBED” STYLE LIGHTNING ROD ORNAMENT. EACH BALL IS MADE UP OF TWO HALVES WHICH FIT TIGHTLY TOGETHER. UNLIKE GLASS BALLS, THESE ORNAMENTS ARE VIRTUALLY UNBREAKABLE.

A SPECIAL HOLD DOWN WASHER IS INCLUDED WITH EACH BALL AT NO CHARGE. IF USED WITHOUT A BRACE OR VANE A SEPARATE SUPPORT RING (NO. 260) SHOULD BE ORDERED SEPARATELY WITH EACH BALL.

- NO. 250**—OPAQUE SNOW-WHITE
- NO. 251**—OPAQUE SKY-BLUE
- NO. 252**—TRANSPARENT RED
- NO. 253**—OPAQUE GOLDEN YELLOW
- NO. 254**—OPAQUE SILVER-GRAY
- NO. 255**—TRANSPARENT GREEN



**“POLAR STAR”**—THIS ORNAMENTAL GLASS BALL IS HAND BLOWN GLASS FROM THE ORIGINAL THOMPSON MOLD (CIRCA 1916). THESE 5” DIAMETER DIAMOND QUILT PATTERN ORNAMENTS ARE THE FINEST AVAILABLE AND ARE IDENTICAL IN ALL RESPECTS TO THE ORIGINAL. COMES COMPLETE WITH END CAPS TO FIT ⅝” DIAMETER SOLID OR TUBULAR POINTS.

- NO. 259PSA**—TRANSPARENT AMBER
- NO. 259PSB**—OPAQUE BLUE
- NO. 259PSC**—CLEAR COBALT BLUE
- NO. 259PSC**—CLEAR
- NO. 259PSG**—TRANSPARENT GREEN
- NO. 259PSR**—TRANSPARENT RED
- NO. 259PSW**—OPAQUE WHITE

NOTE: THESE ORNAMENTS ARE HANDCRAFTED AND ONE-OF-A-KIND. COLOR INTENSITY, SHADE, AND DENSITY CAN BE EXPECTED TO VARY SLIGHTLY. ALSO, DUE TO PRODUCTION LIMITS, ALLOW SUFFICIENT LEAD TIME IF LARGER QUANTITIES ARE ANTICIPATED.



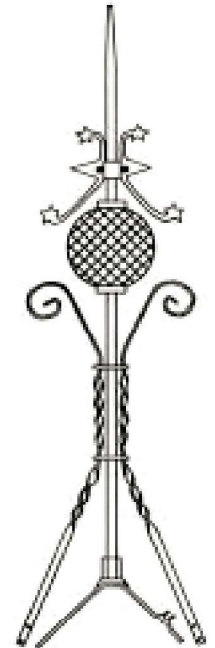
**NO. 80SB**—AN ANTIQUE STYLE 3 LEG HIGHLY ORNAMENTAL AND AUTHENTIC GALVANIZED SCROLL BRACE FOR ⅝” SOLID OR TUBULAR POINTS. BRACE IS 24” LONG FOR SUPPORT OF POINTS UP TO 36” TALL. THE ULTIMATE FOR DECORATIVE OR RESTORATION PROJECTS.

**NO. 80SB-4**—AS ABOVE WITH 4 LEGS (AS ILLUSTRATED HERE).

**NO. 83SB**—AS ABOVE WITH 3 LEGS, 36” LONG BRACE.

NOTE: THESE BRACES CAN BE FURNISHED IN SHORTER OR LONGER LENGTHS FOR SPECIAL APPLICATIONS AS REQUIRED. (ALLOW ADEQUATE LEAD TIME.)

THOMPSON ORNAMENTS, GLASS AND PLASTIC BALLS, DIRECTIONALS, ARROW AND ANIMAL VANES ARE NOTED FOR THEIR AUTHENTIC DESIGN AND LONG LIFE. ALL ARE FOR USE WITH ⅝” DIAMETER SOLID OR TUBULAR AIR TERMINALS. SOME OF THESE VANES ARE STILL CAST FROM THE ORIGINAL FOUNDRY PATTERNS WHICH DATE BACK TO THE EARLY 1900’S. EACH VANE IS CAST IN ONE PIECE OF PURE ALUMINUM. THESE VANES ARE BALANCED PROPERLY FOR BEST OPERATION. EACH VANE IS FINISHED IN GOLD BRONZE OR NATURAL ALUMINUM AND IS PACKED IN AN INDIVIDUAL CONTAINER. ALL VANES ARE COMPLETE WITH A DOUBLE BUSHING FERRULE TO FIT ⅝” TUBULAR OR SOLID AIR TERMINALS.

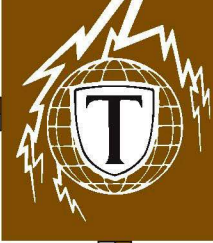


**NO. 260**—BALL SUPPORT RING TO FIT ⅝” TUBULAR OR SOLID AIR TERMINALS. THIS UNIT IS USED TO SUPPORT GLASS OR PLASTIC BALL ORNAMENTS WHEN NO BRACE OR VANE, ETC. IS USED.

**NO. 261**—BALL HOLD DOWN RING FOR PLASTIC BALLS TO FIT ⅝” TUBULAR OR SOLID AIR TERMINALS. USED TO PREVENT THE LIGHTER WEIGHT PLASTIC BALLS FROM “LIFTING OFF” THE AIR TERMINAL IN HIGH WIND CONDITIONS.



**NO. 262S**—THIS “CONSTELLATION” ORNAMENT IS A CAST ALUMINUM REPRODUCTION OF A TRADITIONAL, CLASSIC TWO PIECE STAR ORNAMENT FOR USE ON ⅝” DIAMETER SOLID OR TUBULAR AIR TERMINALS.



**NO. 262**—THIS “SET POINTS OF COMPASS” ORNAMENT IS OF TWO PIECE CAST ALUMINUM. MADE TO FIT 5/8” AIR TERMINALS WITH SET SCREWS TO HOLD IT IN PLACE. THIS ORNAMENT IS THE COMPLETION PIECE FOR AN ARROW OR ANIMAL VANE ASSEMBLY.



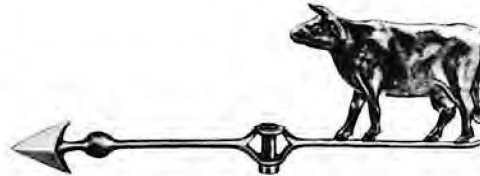
**NO. 263**—ALUMINUM 18” STANDARD ARROW VANE WITH A STAR ORNAMENT MOTIF. COMPLETE WITH FERRULE TO FIT 5/8” AIR TERMINAL.



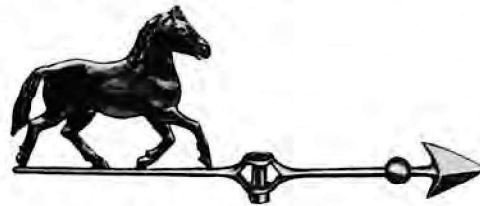
**NO. 264**—SKYLINE 20” ALUMINUM PREMIER ARROW VANE. THIS IS A BEAUTIFULLY DESIGNED VANE OF PERFECT BALANCE. THE TAIL OF THE VANE HAS A COLORED ANODIZED ALUMINUM BLUE OR RED INSERT WHICH SERVES TO MAKE THIS VANE A STRIKING ORNAMENT AS WELL AS A RELIABLE WIND DIRECTION INDICATOR. VANE IS COMPLETE WITH FERRULE TO FIT 5/8” AIR TERMINAL.



**NO. 265**—COW VANE, 23” LONG, GOLD FINISHED CAST ALUMINUM VANE WITH DOUBLE BUSHING FERRULE FOR 5/8” AIR TERMINALS.



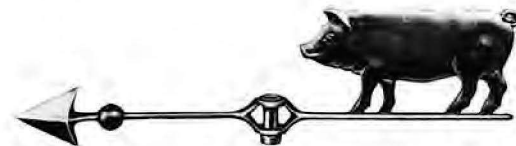
**NO. 266**—HORSE VANE, 23” LONG, GOLD FINISHED CAST ALUMINUM VANE WITH DOUBLE BUSHING FERRULE FOR 5/8” AIR TERMINALS.



**NO. 267**—ROOSTER VANE, THE ALL TIME CLASSIC, TRADITIONAL, “WEATHER COCK,” 23” LONG GOLD FINISHED CAST ALUMINUM VANE. COMPLETE WITH DOUBLE BUSHING FERRULE FOR 5/8” AIR TERMINALS.

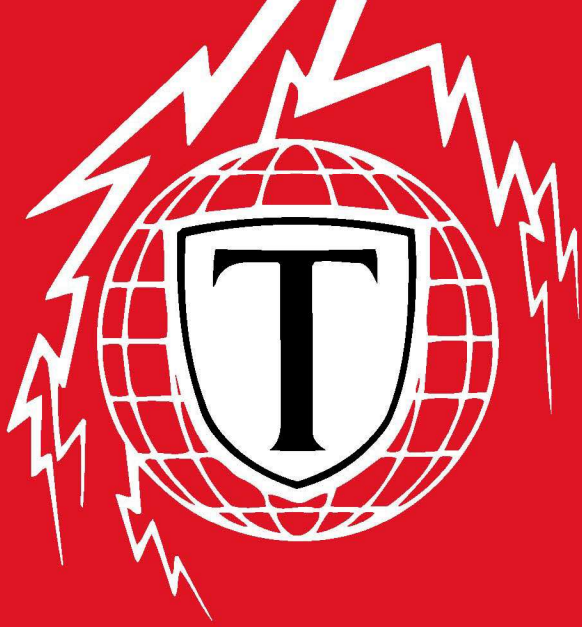


**NO. 268**—HOG VANE, 23” LONG, GOLD FINISHED CAST ALUMINUM VANE WITH DOUBLE BUSHING FERRULE FOR 5/8” AIR TERMINALS.



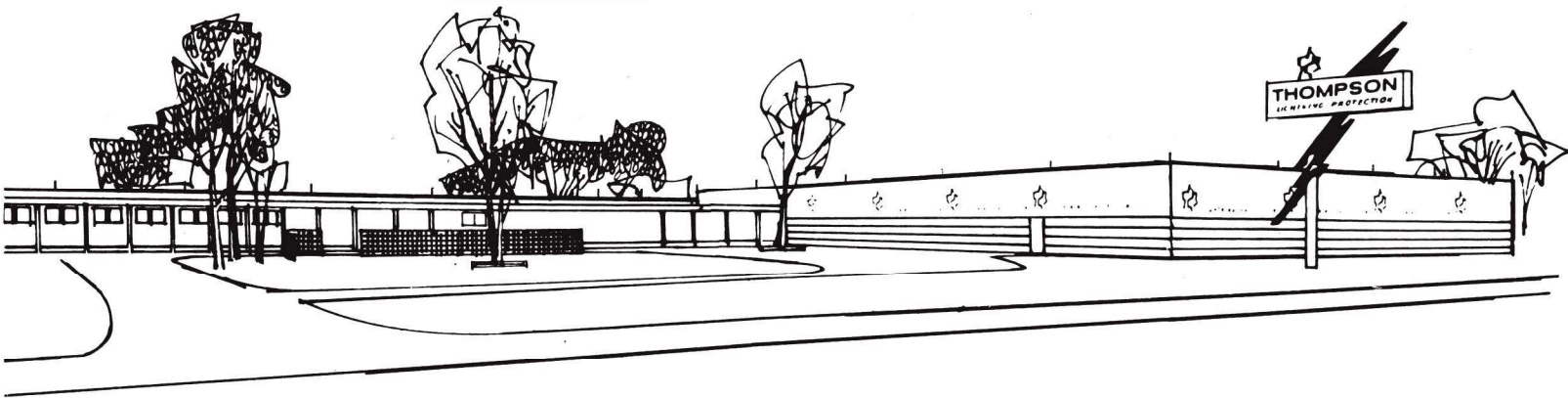
**NO. 269**—EXTRA VANE FERRULES TO FIT ALL VANES AND 5/8” DIAMETER AIR TERMINALS.





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