

WARRANTY: Thomas & Betts sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the user's intended application. Thomas & Betts warrants that this product will be free from defects in materials and workmanship for a period of two (2) years following the date of purchase. Upon prompt notification of any warranted defect, Thomas & Betts will, at its option, repair or replace the defective product or refund the purchase price. Flood or purchase is required. Misuse or unauthorized modification of the product voids all warranties.

Limitations and Exclusions: THE ABOVE WARRANTY CONCERNING THIS PRODUCT, AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED. LIABILITY FOR BREACH OF THE ABOVE WARRANTY IS LIMITED TO COST OF REPAIR OR REPLACEMENT OF THE PRODUCT, AND UNDER NO CIRCUMSTANCES WILL THOMAS & BETTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

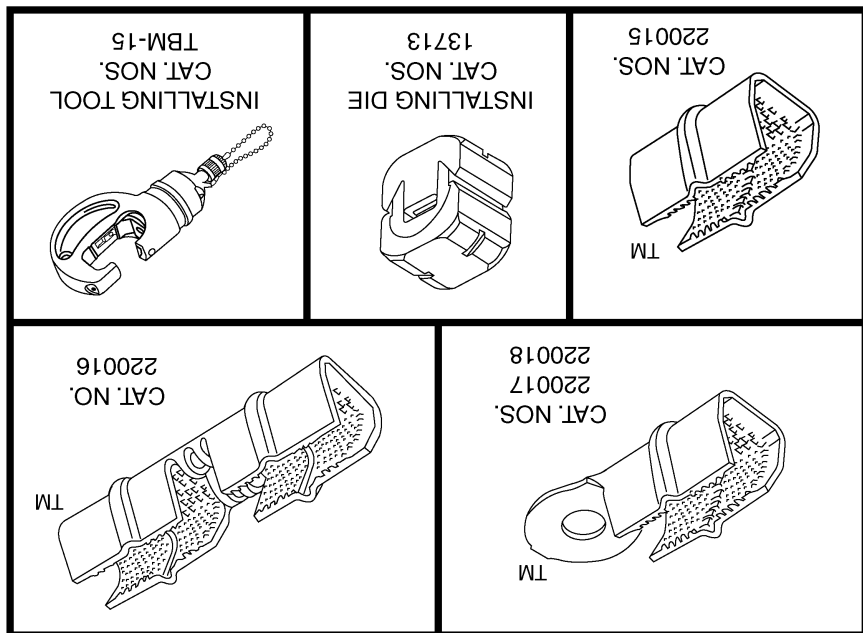
- STOCKED AND SOLD ONLY THROUGH AUTHORIZED DISTRIBUTORS.**
- For certain conductor combinations, the installing dies will bottom (close), conversely for other conductor combinations, the installing dies will not bottom due to the conductor fill factor. Therefore, in order to effect a reliable connection, it is necessary to operate the installing tool at a nominal pressure of 9,800 psi Hydraulic pumps should be checked periodically to insure that this condition is met.
 - 1. Specific conductor combinations and/or sizes.
 - 2. Magnet wire insulation other than the common film types.
 - 3. Terminating stranded aluminum lead wire consisting of more than 7 conductors.
 - For certain conductor combinations, the installing dies will bottom (close), conversely for other conductor combinations, the installing dies will not bottom due to the conductor fill factor. Therefore, in order to effect a reliable connection, it is necessary to operate the installing tool at a nominal pressure of 9,800 psi Hydraulic pumps should be checked periodically to insure that this condition is met.
 - All insulated lead wires are to be stripped prior to installation, and are to be inserted in the wire barrel **after** the magnet wires if both types of conductors are to be installed in the same wire barrel.
 - The difference in size between any magnet wires installed in the same barrel is not to exceed 2 AWG sizes.
 - The total number of insulated magnet wires installed in the same wire barrel should not exceed four unless otherwise specified.
 - The size of a splice or terminal chosen for a specific application should be such that the conductor combination approaches the maximum specified conductor fill for the size connector.
 - The number of possible conductor combinations, upon which the splices and terminals will perform satisfactory, are too numerous to list. Therefore, the following general guidelines should be adhered to for the proper selection of connectors for the various conductor combinations. Exceptions to the guidelines do exist, and the factory should be consulted when a condition is questionable.

Thomas & Betts

INSULATION PIERCING MAGNET WIRE SPICES AND TERMINALS

FOR ALUMINUM TO COPPER, ALUMINUM TO
ALUMINUM, OR COPPER TO COPPER WIRE
COMBINATIONS OF SOLID AND/OR STRANDED
CONDUCTORS

Thomas & Betts Corporation
Memphis, Tennessee
Website: www.tnb.com



**WIRE RANGE FOR T&B MAGNET WIRE
SPICES AND TERMINALS
Cat. Nos. 220015, 220016, 220017, & 220018**

SPECS.	MAX.	MIN.
CIRC. MIL. CAP. MCM	115	50
CONDUCTOR HEIGHT*	.175	.100
AWG WIRE SIZE	#6	#10

*Total thickness of conductors in no more than two layers

TYPICAL MAGNET WIRE COMBINATION:**

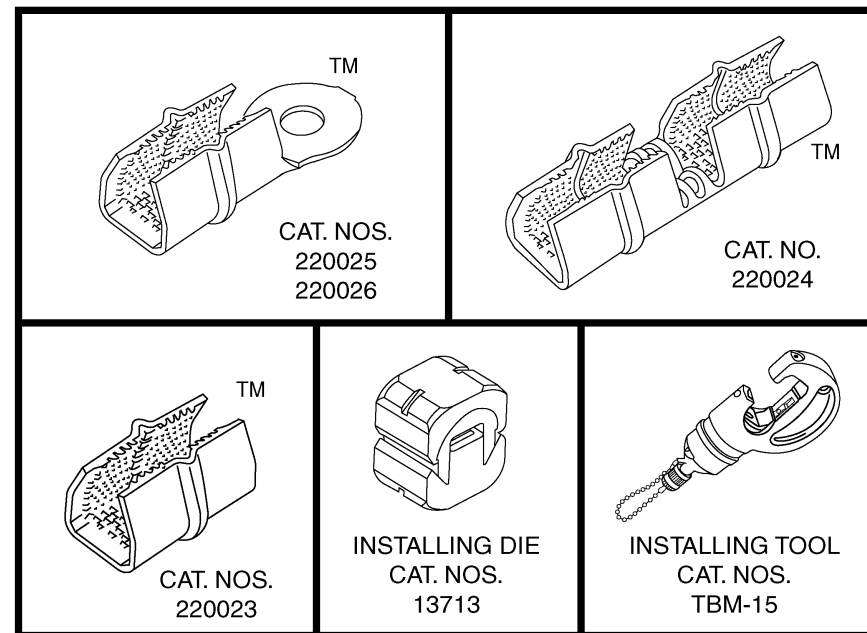
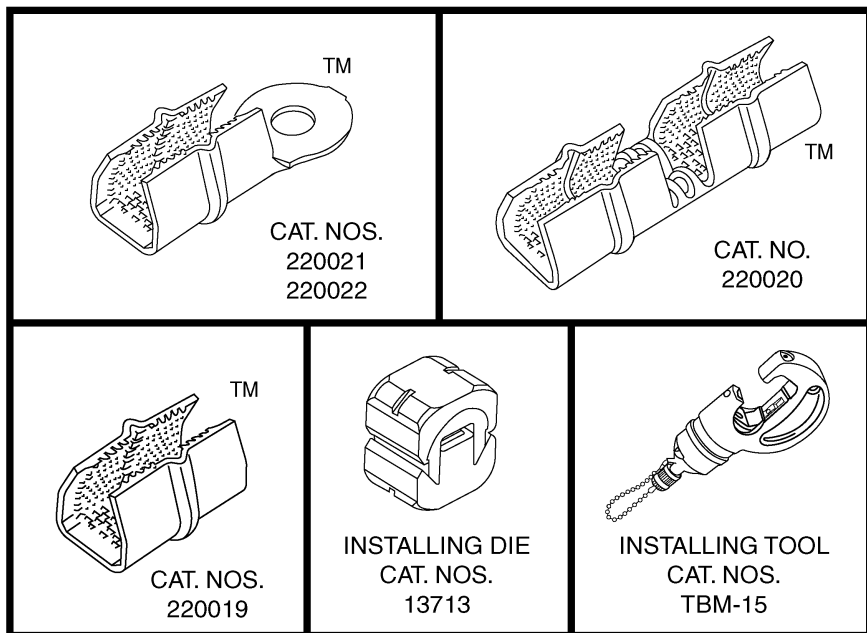
(PER WIRE BARREL)

1 (.150 x .600 RECT.)
or 2 (.150 x .300 RECT.)
or 4 (#6 AWG)

1 (.100 x .400 RECT.)
or 2 (.100 x .200 RECT.)
or 2 (.050 x .400 RECT.)
or 6 (#10 AWG)

T&B

** Numeral within parenthesis denotes magnet wire size.



**WIRE RANGE FOR T&B MAGNET WIRE
SPICES AND TERMINALS**
Cat. Nos. 220019, 220020, 220021, & 220022

SPECS.	MAX.	MIN.
CIRC. MIL. CAP. MCM	175	110
CONDUCTOR HEIGHT*	.250	.175
AWG WIRE SIZE	#2	#6

*Total thickness of conductors in no more than two layers

TYPICAL MAGNET WIRE COMBINATION:**
(PER WIRE BARREL)

1 (.250 x .530 RECT.)
or 2 (.250 x .265 RECT.)
or 2 (.125 x .530 RECT.)
or 2 (#2 AWG)

1 (.175 x .480 RECT.)
or 2 (.175 x .240 RECT.)
or 2 (.090 x .470 RECT.)
or 4 (#6 AWG)

** Numeral preceding parenthesis denotes number of magnet wires.
Numeral within parenthesis denotes magnet wire size.

T&B

**WIRE RANGE FOR T&B MAGNET WIRE
SPICES AND TERMINALS**
Cat. Nos. 220023, 220024, 220025, & 220026

SPECS.	MAX.	MIN.
CIRC. MIL. CAP. MCM	230	165
CONDUCTOR HEIGHT*	.325	.250
AWG WIRE SIZE	1/0	#2

*Total thickness of conductors in no more than two layers

TYPICAL MAGNET WIRE COMBINATION:**
(PER WIRE BARREL)

1 (.300 x .600 RECT.)
or 2 (.150 x .600 RECT.)
or 4 (.150 x .300 RECT.)
or 2 (1/0 AWG)

1 (.250 x .530 RECT.)
or 2 (.250 x .265 RECT.)
or 2 (.125 x .530 RECT.)
or 2 (#2 AWG)

** Numeral preceding parenthesis denotes number of magnet wires.
Numeral within parenthesis denotes magnet wire size.

T&B