

## DESCRIPTION

## PRODUCT COVERED:

FASTON Quick-Connect Non-insulated Connectors, and for copper alloy or steel tabs, Series 250, 205, 187 and 110. For specific cat. nos., refer to Ills. 1-54, 58-85, 107-109, 141 and 142-145, 148, 149-154, 170-172, 173, 174-176, 177-191.

FASTON Quick-Connect Connectors for copper alloy tabs, Series 250, 205, 187 and 110. For specific catalog numbers, refer to Ills. 93 through 152, 157-158, 161 inclusive, and 163-166. FASTON, Flag Reversible, Cat. No. 1930004-1; Faston quick-connect connector Cat. No. 63127-1. **Cat. Nos. 2238171-3, 2238173-3, 2238196-3 and 2238197-3 See ILLS 192-195.**

## GENERAL CHARACTER AND USE:

The products covered are quick-connect connectors and quick-connect tabs intended for assembly of No. 22 to No. 10 AWG stranded copper wire using this manufacturer's power tools. Exception is tab FASTON Series 187, Cat. No. 1217891-1 which is intended for assembly of No. 18 AWG sol copper wire only and Cat. No. 63127-1 which is intended for use with .250 x .032 copper alloy tabs and assembly of Nos. 22-18 copper wire only. They are intended for factory wiring only. They are for use on stranded copper wire as noted below. For specific wire sizes and tab sizes refer to Ills.

Wire Size (AWG)	Number of Strands
22	7
20	10
18	16
16	26
14	41
12	65
10	105

## CONSTRUCTION DETAILS:

The details of construction are illustrated in the following pages and accompanying photograph.

Material - All quick-connect connectors are plated or unplated copper alloy as detailed on the illustrations in this report. Connectors may be constructed with copper alloy, C260 or C274.

Tools - These tabs and connectors are assembled with AMP factory tools using AMP Type F crimp tooling.

FASTON Quick-Connect Connectors, P/N 1217013-1 (Ill. 106) is assembled with AMP, Inc. Type F "K-Press" with No. 466501-2 die set, or "CLS-Press" with No. 466501-1 die set.

Cat. No. 63538 uses crimp tool 4-56406-2 and anvil 4-238005-1 when terminated to 2 No. 20 AWG wire.

Cat. No. 63538 uses crimp tool 464112-3 and anvil 8-238005-3 when terminated to 14-18 AWG wire.

**Cat. No. 2230810-1 (Ill. 180) uses crimping tool X-2150131-X, manufactured by TE.**

Cat. No. 62813-3 described in Ill. 146 uses applicator 466725 with die 464112-5 and anvil 8-238005-8 manufactured by Tyco Electronics.

Cat. No. 1742950-1 described in Ill. 146 uses crimping tool 1852335-1 with die 3-456406-3 and anvil 1633248-9 manufactured by Tyco Electronics.

Cat. No. 1742422-1 described in Ill. 147 is similar to Cat. No. 1217027-1 described in Ill. 108 except for wire size rating.

Cat. No. 170466 has a locking feature that prevents disengagement.

Cat. No. 2232111 (Ill. 163) is the same as Cat. No. 41802 (Ill. 33) except a commercially assigned Cat. No.

Cat. No. 2232112 (Ill. 164) is the same as Cat No. 170213-2 (Ill. 48) except a commercially assigned Cat. No.

Cat. No. 2232247 (Ill. 165) is the same as Cat. No. 170224-2 (Ill. 47) except a commercially assigned Cat. No.

Cat. No. 62813-3 is same as Cat. No. 62813-1 (Ill. 36) except is manufactured of nickel plated steel instead of brass.

Cat. No. 63314-4 is same as Cat. No. 63314-2 (Ill. 45) except is reeled in reverse direction on the reel.

Cat. No. 63316-5 is same as Cat. No. 63316-2 (Ill. 13A) except is reeled in reverse direction on the reel.

Cat. No. 170258-2, 170258-3 (Ill. 173) is the same as Cat. No. 170258-1 (Ill. 47) except for tin-plated. Cat. No. 170258-3 is the same as Cat. No. 170258-2 except for additional separated paper in packing type.

Cat. No. 2232903-1 (Ill. 174) is the same as Cat No. 170183-2 (Ill. 48) except a commercially assigned Cat. No.

Cat. No. 2232974-1 (Ill. 175) is the same as Cat No. 170214-2 (Ill. 21) except a commercially assigned Cat. No.

Cat. No. 2232975-1 (Ill. 176) is the same as Cat No. 170037-2 (Ill. 21) except a commercially assigned Cat. No.

Cat. No. 1742543-3 (ILL. 177) is similar to Cat. No. 63445 (ILL. 41)

Cat. No. 1742198-3 (ILL. 178) is similar to Cat. No. 42400 (ILL. 36)

Cat. No. 41802-4 (Ill. 179) is the same as Cat. No. 41802 (Ill. 33) except different packing type.

Cat. Nos. 61758-2 (Ill. 9C), 1742914-1 (Ill. 58A), 1742915-1 (Ill. 32A) are identical to Cat. Nos. 61758-1 (Ill. 9), 63306-1 (Ill. 58), 63365-1 (Ill. 32) respectively except for Cat. No. designation, assigned for commercial purposes only.

Faston Quick connect connector, Cat. No. 63127-1 has same crimp area and uses same crimp tool as Cat. No. 41771 and the same receptacle area as Cat. No. 60650.

FASTON Flag Reversible, Cat. No. 1930004-1 described in Fig. 5, uses crimp Applicator, Part Number 1528887, as shown in Ill. 156.

GASTON Quick-Connect Connector, P/N 1971103-1 (Ill. 157) is assembled with Tyco Type 1552009-1 crimp applicator as shown in Ill 159.

FASTON Quick-Connect Connector, P/N 1971105-2 (Ill. 158) is assembled with Tyco Type 677369-1 crimp applicator as shown in Ill 160.

FASTON Tab Series 187, Cat. No. 1217891-1 (Ill. 161) is assembled with Tyco Type 1530454 crimp applicator as shown in Ill 162.

FASTON Quick-Connect Connector, P/N 2238196-3 (Ill. 181) is assembled with Tyco Type F Crimp TPBR 14 - 18 AWG/Applicator PN 2150016-1 Die No. 43861.

FASTON Quick-Connect Connector, P/N 2238197-3 (Ill. 182) is assembled with Tyco Type Tab Lok 12 - 18 AWG/Applicator PN 1852633-1 Die No. 43915.

**The crimp tooling used for the following Cat. Nos. are as tabulated below:**

Part Number	Ill. No.	Style	Size	Crimp (AWG, Cu, str)/TE Tooling Die No.
2238171-3	183	Flag	.250 Series FASTON	2D Crimp TPBR 22 AWG/1048907
2238172-3	184	Flag	.187 Series FASTON	2D Crimp TPBR 14 - 24 AWG/1048909
2238173-3	185	Straight	.250 Series FASTON	2D Crimp TPBR 22 AWG/1048908
2238174-3	186	Straight	.187 Series FASTON	2D Crimp TPBR 24 AWG/1048910

Part Number	Ill. No.	Style	Size	Crimp (AWG, Cu, str)/TE Tooling Die No.
2238196-3	187	Straight	.250 Series FASTON	F Crimp TPBR 14 - 18 AWG/43861
2238197-3	188	Flag	.250 Series FASTON	Tab Lok 12 - 18 AWG/43915
2238198-3	189	Straight	.187 Series FASTON	F Crimp TPBR 16 - 20 AWG/43870
2238199-3	190	Straight	.187 Series FASTON	F Crimp TPBR 16 - 18 AWG, 2 - No. 18 AWG/43870
2238200-3	191	Flag	.187 Series FASTON	Tab Lok 16 - 20 AWG/43481
<b>2238171-3</b>	<b>192</b>	<b>Flag</b>	<b>.250 Series FASTON</b>	<b>2D Crimp TPBR 12-22 / 1048407</b>
<b>2238173-3</b>	<b>193</b>	<b>Straight</b>	<b>.250 Series FASTON</b>	<b>2D Crimp TPBR 12-22 / 1048908</b>
<b>2238196-3</b>	<b>194</b>	<b>Straight</b>	<b>.250 Series FASTON</b>	<b>F Crimp TPBR 14-18 / 43861</b>
<b>2238197-3</b>	<b>195</b>	<b>Flag</b>	<b>.250 Series FASTON</b>	<b>TPBR 12-18 / 43915</b>

## MARKINGS:

Each connector is marked with manufacturer's name or trademark. The smallest unit cartons are marked with:

1. The manufacturer's name or trademark.
2. A distinctive catalog or model number or the equivalent.
3. A statement indicating the connectors are acceptable for internal wiring of equipment.
4. Wire sizes (see General Character and Use).
5. A statement regarding the installation instructions and proper tooling to use. The tool installation instructions may be packed inside the smallest unit connector containers or with the tools.
6. A statement indicating that the connectors and tabs are "for use with Cu wire" or equivalent.