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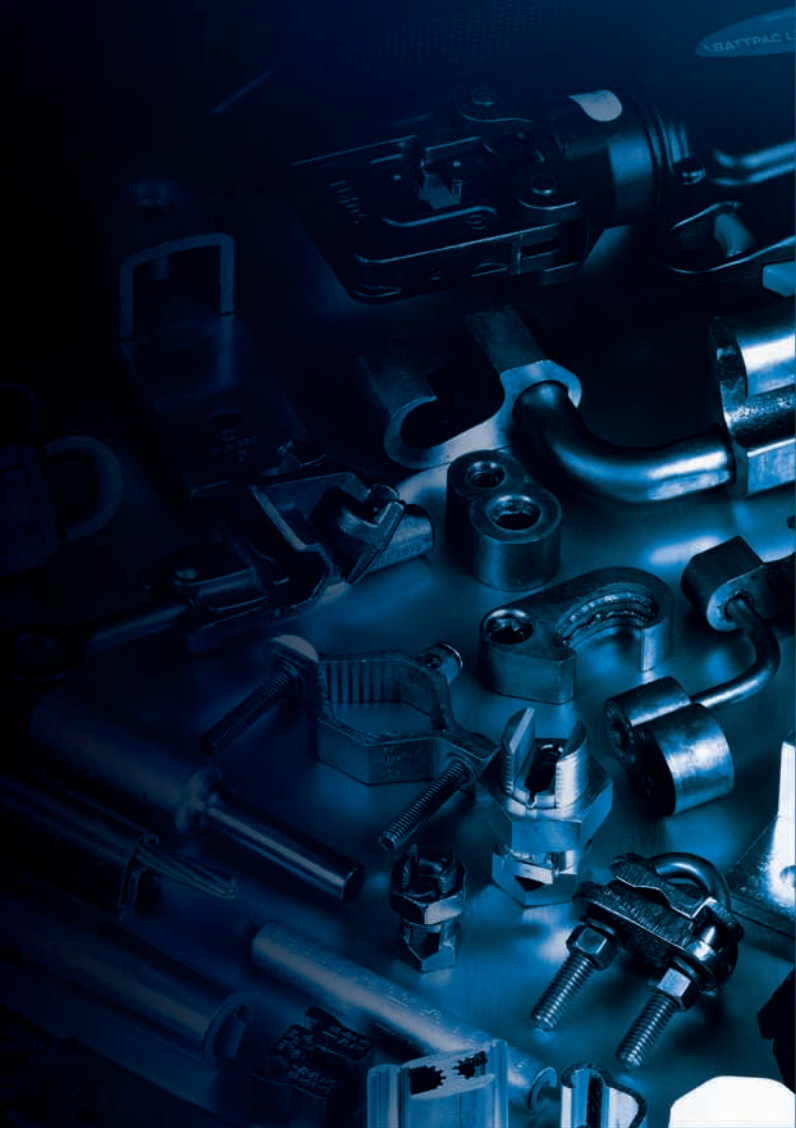
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Thomas & Betts

United States
Tel: 901.252.8000
800.816.7809
Fax: 901.252.1354

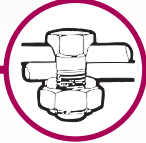
Canada
Tel: 450.347.5318
Fax: 450.347.1976

Technical Services
Tel: 888.862.3289

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Mechanical Connectors — Quick Reference

Type H, HPS, HPW



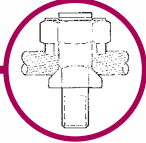
Copper Split-Bolt Connectors
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Type APS, AAW, CA



Aluminum Split-Bolt Connectors
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Type SP



Service Post Connectors
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Type N, NPW



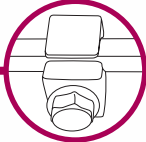
Service Entrance Connectors
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Type MS



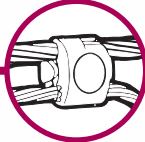
Neutral Span Clamp
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ViceLock™



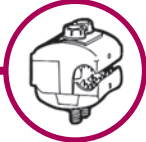
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Type PAA, PAC, PAE, PC, K



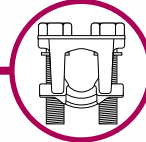
Parallel Groove Connectors
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Type IPC



Insulation Piercing Connectors
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Type 2B, 2BX, 2BW, 2BPW



Two-Bolt Connectors
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Type XT



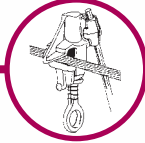
Cross Tap Clamp
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Type DLC



Dead-End Clamps
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Type HLC, PGH



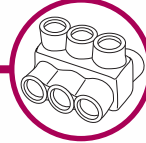
Hot Line Clamps
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Type 4B, 6B



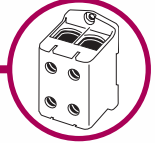
Multi-Bolt Connectors
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AMT



AMT Connectors
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PDS



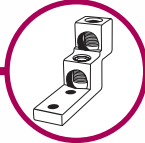
Power Distribution Blocks
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Type ADR



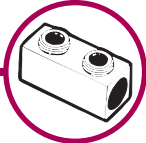
Dual-Rated Mechanical Connectors
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Type ASL



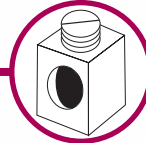
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Type ASR



Splicer Reducer
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Type BX



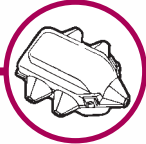
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Type GP, GT



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Type TC



Insulating Covers
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Type L, TL



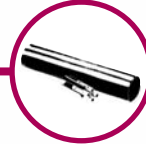
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Type S



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Type STC, BTC



Copper Mechanical Connectors
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LOCKTITE®



LOCKTITE® Connectors
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Tap



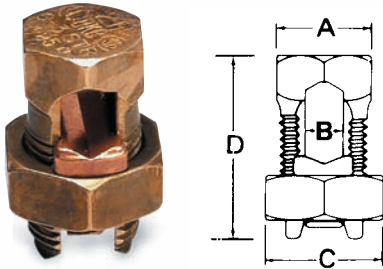
Tap Connectors
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Split-Bolt Connectors



For copper-to-copper connections.

Type H — High Strength Split-Bolt Connectors



- Bolt and nut of high-strength corrosion-resistant bronze alloy
- Pressure bar is copper through 40H, copper alloy for 350 kcmil and above
- Bolt and nut of hex design up to 350 kcmil
- Tested and Listed to UL 486A requirements

CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)		DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
9H	10 Str.–12 Sol.	14 Sol.	3/8	.146	1/2	25/32
8H	8 Str.–10 Sol.	14 Sol.	3/8	.146	1/2	25/32
8H3*	8 Str.–12 Sol.	16 Str.	3/8	.146	1/2	29/32
6H	6 Sol.–8 Sol.	14 Sol.	19/32	.170	21/32	31/32
6H3*	6 Sol.–10 Sol.	16 Str.	19/32	.170	21/32	1 1/8
4H	4 Sol.–8 Sol.	14 Sol.	17/32	.235	23/32	1 1/16
4H3*	4 Sol.–8 Sol.	16 Str.	17/32	.235	23/32	1 1/8
3H	3 Sol.–8 Sol.	16 Str.	17/32	.235	23/32	1 1/16
3H3*	4 Str.–8 Sol.	16 Str.	17/32	.235	23/32	1 1/2
2H	2 Sol.–6 Sol.	14 Sol.	19/32	.271	25/32	1 1/4
2H3*	2 Sol.–6 Sol.	14 Sol.	19/32	.271	25/32	1 15/32
1H	2 Str.–6 Sol.	14 Sol.	17/16	.330	7/8	1 1/2
1H3**	2 Str.–6 Sol.	14 Sol.	17/16	.330	7/8	1 1/8
10H	1/0 Str.–4 Sol.	14 Sol.	3/4	.385	1 1/16	1 19/32
20H	2/0 Str.–2 Sol.	14 Sol.	7/8	.443	1 1/16	1 11/16
30H	4/0 Str.–2 Sol.	6 Sol.	1	.580	1 1/16	2 1/2
40H	250 kcmil–1 Str.	8 Sol.	1	.580	1 1/16	2 5/32
350M	350 kcmil–250 kcmil	1/0 Str.	1 1/16	.717	1 21/32	2 1/16
500M	500 kcmil–400 kcmil	2/0 Str.	1 1/2	.842	1 1/8	3 3/2
750M	750 kcmil–600 kcmil	4/0 Str.	1 5/16	1.029	2 1/4	3 21/32
1000M	1,000 kcmil–800 kcmil	4/0 Str.	2 1/4	1.185	2 17/32	4 1/2

* Will accommodate 3 wires of maximum size.

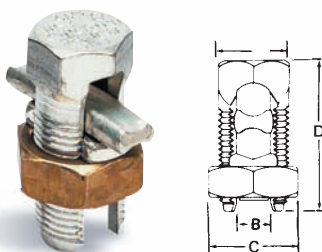
The H3 bolts are not UL Listed or CSA Certified.

** Will accommodate 3 #2 Stranded wires.

UL recognizes solid and stranded conductor configurations for sizes #8 and smaller and stranded configurations only for sizes #6 and larger.

For use on copper, aluminum and ACSR conductors.

Type HPS — Plated Split-Bolt Connectors with Spacer



- Bolt and pressure bar of copper alloy, completely tin plated for corrosion resistance
- Contoured spacer of electrolytic copper up through 4/0, bronze alloy for 350 kcmil and above, all tin plated
- Most connectors are UL Listed and CSA Certified for copper conductor only
- Blackburn Contax recommended when used on aluminum conductor

CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
9HPS	—	10 Str.–12 Sol.	12 Sol.	3/8	.146	1/2	25/32
8HPS	—	8 Str.–12 Sol.	12 Sol.	3/8	.146	1/2	25/32
6HPS	8	6 Sol.–12 Sol.	12 Sol.	15/32	.170	21/32	1 1/8
4HPS	6–8	4 Sol.–12 Sol.	12 Sol.	17/32	.235	23/32	1 1/2
2HPS	4–8	2 Sol.–8 Sol.	8 Sol.	19/32	.271	25/32	1 15/32
1HPS	2–8	1 Str.–8 Sol.	8 Sol.	17/16	.330	7/8	1 1/8
10HPS	1–6	1/0 Str.–6 Sol.	6 Sol.	3/4	.385	1 1/16	1 11/16
20HPS	1/0–6	2/0 Str.–6 Str.	6 Sol.	7/8	.443	1 1/16	2 1/16
40HPS	4/0–4	4/0 Str.–4 Sol.	4 Sol.	1	.580	1 1/16	2 5/32
350HPS	266.8–1/0	350 kcmil–1/0 Str.	2 Sol.	1 1/16	.717	1 21/32	2 1/16
500HPS*	397.5–1/0	500 kcmil–1/0 Str.	1/0 Str.	1 1/2	.842	1 1/8	3 3/2
750HPS*	666.6–4/0	750 kcmil–4/0 Str.	2/0 Str.	1 5/16	1.029	2 1/4	3 21/32
1000HPS*	900–477	1,000 kcmil–500 kcmil	4/0 Str.	2 1/4	1.185	2 17/32	4 1/2

* Not CSA Certified. UL 486A

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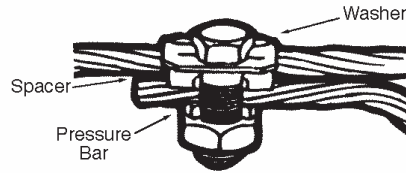
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Split-Bolt Connectors

For combinations of copper, aluminum and ACSR conductors.

Type HPW — Plated Split-Bolt Connectors with Spacer and Washer

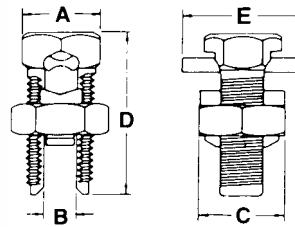
- Bolt and pressure bar of high-strength copper alloy completely tin plated
- Spacer and washer of electrolytic copper up through 4/0, bronze alloy 350 kcmil and above, all tin plated
- Contoured spacer and bell mouth washer distribute pressure over large area of conductor
- Large contoured spacer provides wide separation between copper and aluminum conductors
- Blackburn Contax recommended when used with aluminum conductor



CAT. NO.	CONDUCTOR RANGE (AWG)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	ACSR	COPPER OR ALUMINUM					
6HPW	8	6 Sol.-12 Sol.	12 Sol.	15/32	.170	23/32	1 1/2
4HPW	6-8	4 Sol.-12 Sol.	12 Sol.	17/32	.235	23/32	1 3/2
2HPW	4-8	2 Sol.-8 Sol.	8 Sol.	19/32	.271	25/32	1 13/2
1HPW	2-8	1 Str.-8 Sol.	8 Sol.	1 1/16	.330	7/8	1 1/2
10HPW	1-6	1/0 Str.-6 Sol.	6 Sol.	3/4	.385	15/16	1 13/16
20HPW	1/0-6	2/0 Str.-6 Sol.	6 Sol.	7/8	.443	1 1/16	2 1/16
40HPW	4/0-4	4/0 Str.-4 Sol.	4 Sol.	1	.580	1 5/16	2 3/2

Accommodates all aluminum and copper conductor combinations.

Type APS — Aluminum Dual-Rated Split Bolts



- 6 bolts cover range from #10 to 4/0 AWG
- Install with standard wrenches
- Corrosion-resistant tin-plated aluminum
- Tested and Listed to UL® 486B, 90° C requirements

CAT. NO.	CONDUCTOR RANGE EQUAL MAIN & TAP	DIMENSIONS (IN.)				
		A	B	C	D	E
APS06	6-10 Str.	1/32	.21	23/32	1.27	1 1/4
APS04	4-10 Str.	1/32	.27	23/32	1.48	1 1/4
APS02	2-8 Str.	1/16	.33	7/8	1.63	1 1/4
APS11	1/0-4 Str.	7/8	.44	1 1/2	2.07	1 1/2
APS21	2/0-4 Str.	7/8	.44	1 1/2	2.07	1 1/2
APS41	4/0-2 Str.	1 1/8	.54	1 1/2	2.47	1.55
APS350*	350 kcmil-4 Str.	1 1/16	.70	1 1/16	3.36	2 1/4
APS500*	500 kcmil-2 Str.	1 1/16	.84	2	3.62	2 3/4

* Square head design not CSA certified

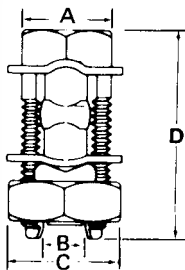
Split-Bolt Connectors



For all aluminum applications.

Type AAW — Aluminum Split-Bolt Connectors with Spacer and Washers

- Bolt, nut, pressure bar and contoured spacer of aluminum alloy
- Large contoured spacer provides wide separation
- Nut anodized to prevent thread galling
- Blackburn Contax recommended when used on aluminum conductor

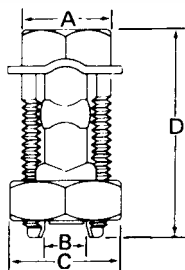


CAT. NO.	CONDUCTOR RANGE (AWG)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	ACSR	ALUMINUM					
6AAW	6-8	4 Sol.-8 Sol.	10 Sol.	1/2	.236	23/32	1 1/2
4AAW	4-8	2 Sol.-8 Sol.	8 Sol.	1/2	.272	25/32	1 1/2
2AAW	2-8	1 Str.-8 Sol.	8 Sol.	1/16	.330	7/8	1 1/8
1AAW	1-4	1/0 Str.-2 Sol.	4 Sol.	7/8	.443	1 1/8	2 1/16
10AAW	1/0-4	2/0 Str.-2 Sol.	4 Sol.	7/8	.443	1 1/8	2 1/16
40AAW	4/0-4	4/0 Str.-4 Sol.	4 Sol.	1	.580	1 1/4	2 5/16

Contoured spacer and bell-mouth washer distribute pressure over large area of conductor.

Type CA — Aluminum Split-Bolt Connectors with Spacer and Washer

- Bolt, nut and washer made of high-strength aluminum alloy
- Pressure bar and contoured spacer made of electrolytic copper
- Spacer is completely tin plated
- Bolt and nut are anodized to prevent seizing of threads and reduce galvanic corrosion when in contact with copper conductor
- Blackburn Contax recommended with this connector



CAT. NO.	CONDUCTOR RANGE (AWG)		DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN				
	COPPER OR ALUMINUM		A	B	C	D
6CA	4 Sol.-6 Sol.	4 Sol.-12 Sol.	1/2	.236	23/32	1 1/2
4CA	2 Sol.-4 Sol.	2 Sol.-10 Sol.	1/2	.272	25/32	1 1/2
2CA	1 Str.-4 Sol.	1 Str.-8 Sol.	1/16	.330	7/8	1 1/8
1CA	1/0 Str.-2 Sol.	1/0 Str.-6 Sol.	7/8	.443	1 1/8	2 1/16
10CA	2/0 Str.-2 Sol.	2/0 Str.-6 Sol.	7/8	.443	1 1/8	2 1/16
40CA	4/0 Str.-2/0 Sol.	4/0 Str.-4 Sol.	1	.580	1 1/4	2 5/16

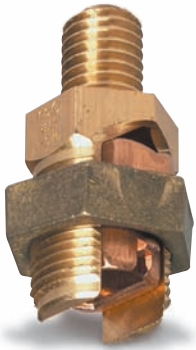
Blackburn Mechanical

Service Post Connectors

For grounding of steel structures, fence posts

Service Post Connectors

- For copper-to-copper connections
- For tapping one or two cables from bus bar
- Hex design bolts machined from high-conductivity bronze alloy
- Nuts and pressure bars cold-formed from high-strength copper or copper alloy



Blackburn Mechanical

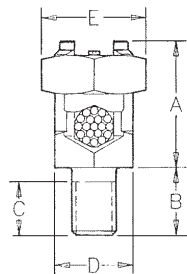
Single- and Double-Conductor Service Post Connectors, Short Stud



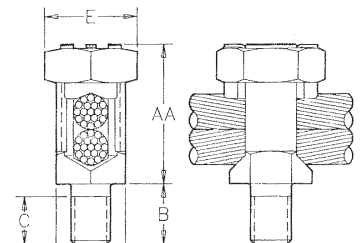
CAT. NO.	CONDUCTOR RANGE AWG MM ²	CONDUCTOR RANGE				MAXIMUM DIAMETER RANGE (IN.)	STUD SIZE	DIMENSIONS (IN.)					
		STRANDED		SOLID				A	AA	B	C	D	E
SP-D	SP-S	MAX.	MIN.	MAX.	MIN.								
SP0DS	SP0SS	8	12	8	12	.146-.080	¼-20 x ½	1 ¹ / ₁₆	1 ³ / ₁₆	½	5 ⁵ / ₆₄	1 ⁵ / ₃₂	½
SP1DS	SP1SS	7	10	6	10	.170-.102	¼-20 x ½	1 ³ / ₁₆	3 ¹ / ₂	½	5 ⁵ / ₆₄	1 ⁵ / ₃₂	2 ¹ / ₃₂
SP2DS	SP2SS	5	10	4	10	.217-.102	¾-18 x ¾	1 ⁵ / ₁₆	1 ¹ / ₈	5 ¹ / ₈	5 ⁵ / ₆₄	1 ⁷ / ₃₂	2 ³ / ₃₂
SP3DS	SP3SS	3	10	2	10	.271-.102	¾-16 x ¾	½	1 ¹ / ₄	5 ¹ / ₈	6 ¹ / ₆₄	5 ¹ / ₈	2 ⁵ / ₃₂
SP4DS	SP4SS	1	8	2	8	.332-.128	¾-16 x ¾	1 ¹ / ₁₆	1 ¹ / ₈	5 ¹ / ₈	6 ¹ / ₆₄	1 ¹ / ₁₆	7 ¹ / ₈
SP5DS	SP5SS	1/0	2	2	—	.385-.258	½-13 x ¾	1 ¹ / ₄	1 ¹ / ₂	¾	1 ¹ / ₄	¾	1 ⁵ / ₁₆
SP6DS	SP6SS	2/0	2	2	—	.443-.258	½-13 x ¾	1 ¹ / ₂	1 ¹ / ₁₆	¾	1 ¹ / ₄	7 ¹ / ₈	1 ¹ / ₁₆
SP8DS	SP8SS	4/0	1	—	—	.570-.289	¾-11 x 1	1 ¹ / ₁₆	2 ¹ / ₁₆	1	1 ¹ / ₄	1	1 ¹ / ₁₆
SP9DS	SP9SS	350	1/0	—	—	.715-.373	¾-11 x 1	2	2 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₁₆	1 ¹ / ₁₆
SP10DS	SP10SS	500	3/0	—	—	.840-.464	¾-10 x 1 ¹ / ₄	2 ¹ / ₄	3 ¹ / ₈	1 ¹ / ₄	1 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₄

Blackburn Service Post Connectors are designed for applications including steel structure, fence post or transformer grounding involving one or two cables. They can also be used to tap one or two cables from bus bar.

Bolts used in the Service Post Connectors are machined from high-conductivity bronze alloy while the nuts are cold-formed from high strength, corrosion-resistant copper alloy. Pressure bars are copper through 4/0 size, while copper alloy is used for 350 mcm size and above. Bolts and nuts are of the traditional Blackburn hex design for easy installation.



Single-Conductor Short Stud



Double-Conductors Short Stud

Service Post Connectors

or transformers using one or two cables.

- Available in sizes for #12 – 500 kcmil stranded and #12 – #2 solid copper conductor
- Available in both single- and double-conductor versions
- UL® 486A and UL 467 Listed

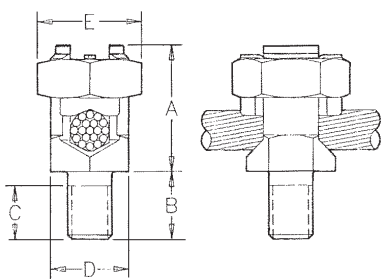


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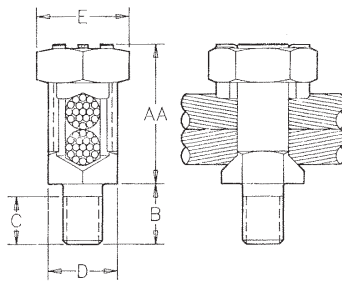


Single- and Double-Conductor Service Post Connectors, Long Stud

CAT. NO.		CONDUCTOR RANGE AWG MM2				MAXIMUM DIAMETER RANGE (IN.)	STUD SIZE	DIMENSIONS (IN.)					
		STRANDED		SOLID				A	AA	B	C	D	E
SP-S	SP-D	MAX.	MIN.	MAX.	MIN.								
SP0SL	SP0DL	8	12	8	12	.146-.080 4mm ²	¼-20 x 1	1 ¹ / ₁₆	1 ³ / ₁₆	1	5 ⁵ / ₆₄	1 ¹ / ₂	1 ¹ / ₂
SP1SL	SP1DL	7	10	6	10	.170-.102 6mm ²	¼-20 x 1	1 ¹ / ₁₆	3 ¹ / ₃₂	1	5 ⁵ / ₆₄	1 ¹ / ₂	2 ¹ / ₃₂
SP2SL	SP2DL	5	10	4	10	.217-.102 6mm ²	5 ¹ / ₁₆ -18 x 1	1 ¹ / ₁₆	1 ¹ / ₈	1	5 ³ / ₆₄	1 ¹ / ₂	2 ³ / ₃₂
SP3SL	SP3DL	3	10	2	10	.271-.102 6mm ²	¾-16 x 1½	1	1 ¹ / ₄	1 ¹ / ₈	6 ¹ / ₆₄	¾	2 ⁵ / ₃₂
SP4SL	SP4DL	1	8	2	8	.332-.128 10mm ²	¾-16 x 1½	1 ¹ / ₁₆	1 ¹ / ₈	1 ¹ / ₈	6 ¹ / ₆₄	1 ¹ / ₁₆	7 ¹ / ₈
SP5SL	SP5DL	1/0	2	2	—	.385-.258 —	½-13 x 1¼	1¼	1 ¹ / ₃₂	1¼	1 ¹ / ₆₄	¾	1 ⁵ / ₁₆
SP6SL	SP6DL	2/0	2	2	—	.443.258 —	½-13 x 1¼	1 ¹ / ₃₂	1 ¹ / ₁₆	1¼	1 ¹ / ₆₄	¾	1 ¹ / ₁₆
SP8SL	SP8DL	4/0	1	—	—	.570-.289 —	¾-11 x 1½	1 ¹ / ₁₆	2 ¹ / ₁₆	1½	1 ¹ / ₆₄	1	1 ¹ / ₁₆
SP9SL	SP9DL	350	1/0	—	—	.715-.373 —	¾-11 x 1½	2	2 ³ / ₄	1½	1 ¹ / ₆₄	1 ¹ / ₁₆	1 ¹ / ₁₆
SP10SL	SP10DL	500	3/0	—	—	.840-.464 —	¾-10 x 1¼	2¼	3 ³ / ₈	1½	1 ³ / ₆₄	1½	1 ¹ / ₈



Single-Conductor
Long Stud



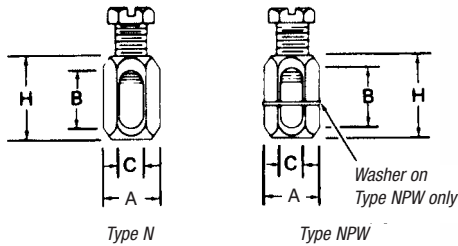
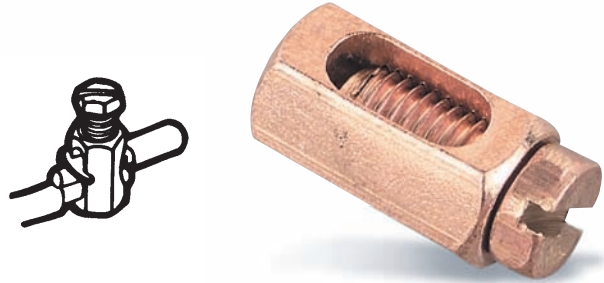
Double-Conductors
Long Stud

Mechanical Service Entrance Connectors

Bodies and screws constructed of high-strength copper alloy.

Types N and NPW — Service Entrance Connectors

- NPW has tin-plated bodies and screws
- Type NPW has phosphor bronze washer, tin plated to protect conductor and distribute pressure
- Type NPW can be used on ACSR conductor
- Slotted hex head screw

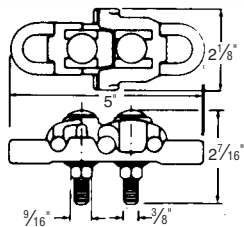
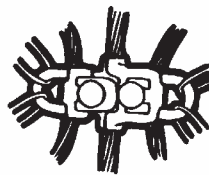


CAT. NO.	CAT. NO.	CONDUCTOR RANGE (AWG)				DIMENSIONS (IN.)				BOLT HEAD
		ACSR		COPPER		A	B	C	H	
10N	10NPW	—	—	10 Str.	14 Sol.	$\frac{7}{16}$	.337	.156	.562	$\frac{1}{2}$
6N	6NPW	8	8	6 Str.	10 Sol.	$\frac{7}{16}$	.415	.191	.656	$\frac{3}{8}$
4N	4NPW	6	8	4 Str.	6 Sol.	$\frac{1}{2}$	.515	.243	.775	$\frac{3}{8}$
—	2NPW	4	8	2 Str.	6 Sol.	$\frac{21}{32}$	.643	.304	.970	$\frac{1}{2}$

Accommodates up to four service drops.

Type MS — Neutral Span Clamp

- A combination aerial cable neutral parallel groove connector and dead-ending clamp
- Used in applications where house is not adjacent to pole
- Taps may be installed later, independent of existing connections
- Castings are of high-strength aluminum alloy with galvanized-steel hardware
- One-piece construction



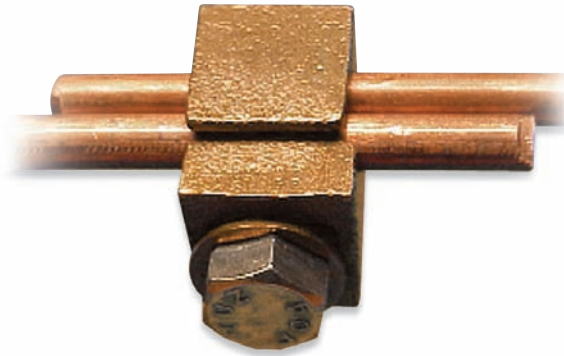
CAT. NO.	CONDUCTOR RANGE			
	ACSR		AWG	
	MAIN	TAP	MAIN	TAP
MS4	4/0-4	1/0-6	4/0 Str.-2 Sol.	1/0 Str.-6 Sol.

Parallel Groove Connectors



Create a superior electrical connection — while saving time and money.

Blackburn® Bronze ViceLock® Connectors



Blackburn® Mechanical

- Offer superior electrical performance
- Make a permanent connection
- Vibration-resistant
- Install quickly and easily with no need for special or heavy tools
- Can be installed with live line tools
- V-grooves enable easy conductor alignment
- Simple to install without cross-threading
- Full thread engagement design increases bolt strength
- High-pressure/torque ratio ensures a low electrical resistance connection
- Helps reduce inventory by accepting a wide range of conductors

Specifications

- Silicon bronze material (CDA956000) for higher yield strength
- Large sizes include stainless steel hardware
- Bellcore approved
- ANSI standard

Typical Applications

- Distribution loads
- Service bonding
- Tap connections
- Ground connections
- Also has grounding capability with a variety of cable tray, channel and strut applications



CAT. NO.	2 CONDUCTORS WIRE RANGE*			INNER CTN. QTY.	MASTER CTN. QTY.	COMPETITOR CROSS REF.	
	MAX.	MIN.	DECIMAL (IN.)			FARGO	RELIABLE
VGC68	#6 Sol.	#10 Sol.	.162-.101	50	250	GC-5006	BVC-6
VGC68SH	#6 Sol.	#10 Sol.	.162-.101	50	250	GC-5006SH	—
VGC44	#4 Str.	#8 Sol.	.232-.128	50	250	GC-5004	BVC-4
VGC23	#2 Sol.	#6 Sol.	.286-.162	50	250	GC-5002	BVC-2
VGC12	#2 Str.	#5 Sol.	.320-.181	50	250	GC-5002S	BVC-2S
VGC2010	1/0 Str.	#4 Sol.	.390-.204	50	250	GC-5020	BVC-20
VGC3020	2/0 Str.	#3 Sol.	.438-.229	25	125	GC-5020S	BVC-20S
VGC4040	4/0 Str.	#1 Sol.	.552-.289	25	125	GC-5040	BVC-40

*Wire range indicates each connector's ability to accommodate two wires of the same size shown in the "MAX" or "MIN" columns.

United States
Tel: 901.252.8000
800.816.7809
Fax: 901.252.1354

Canada
Tel: 450.347.5318
Fax: 450.347.1976

Technical Services
Tel: 888.862.3289

Thomas & Betts

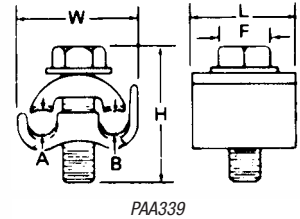
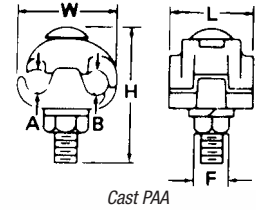
www.tnb.com

Parallel Groove Connectors

For use on copper, aluminum and ACSR conductors.

Type PAA — One- and Two-Bolt Aluminum Parallel Groove Clamps

- Order prefilled with oxide inhibitor for use on copper to aluminum
- Clamps are high-strength, heat-treated cast aluminum alloy
- Galvanized-steel carriage bolt, nut and lockwasher standard
- To order with hex head bolts, add suffix -3.
- PAA339 is extruded aluminum alloy, furnished with hex head bolt



CAT. NO.		CONDUCTOR RANGE				CONDUCTOR DIAMETER				DIMENSIONS (IN.)				BOLT SIZE
		MAIN		TAP		MAIN		TAP		F	H	L	W	
STANDARD	PREFILLED	ACSR	AL/CU	ACSR	AL/CU	MAX.	MIN.	MAX.	MIN.					
—	PAA29	2-6	2 Str.-6 Sol.	2-6	2 Str.-6 Sol.	.316	.162	.316	.162	5/16	1 1/16	1 1/2	1 1/2	5/16
—	PAA339	1/0-6	1/0 Str.-6 Sol.	1/0-6	1/0 Str.-6 Sol.	.398	.162	.398	.162	5/16	1 1/8	1 1/4	1 1/2	3/8
PAA4	PAA49	1/0-6	1/0 Str.-6 Sol.	1/0-6	1/0 Str.-6 Sol.	.398	.162	.398	.162	5/16	2 1/2	1 1/8	1 1/2	3/8
PAA5	PAA59	1/0-8	1/0 Str.-8 Sol.	1/0-8	1/0 Str.-8 Sol.	.398	.128	.398	.128	5/16	2 1/2	1 1/2	1 1/2	3/8
PAA6	PAA69	1/0-8	2/0 Str.-8 Sol.	1/0-8	2/0 Str.-8 Sol.	.414	.128	.414	.128	5/16	2 1/2	1 3/8	1 1/2	3/8
PAA10 [‡]	PAA109	336.4-1/0 1/0-6 AR	400-1/0 Str. 1/0-6 AR	1/0-8	1/0 Str.-8 Sol.	.741	.368	.398	.128	5/16	2 1/2	2	1 1/2	3/8
PAA12	PAA129	4/0-2	4/0 Str.-2 Sol.	4/0-2	4/0 Str.-2 Sol.	.563	.258	.563	.258	3/4	2 1/4	2	2	1/2
PAA400*	PAA4009*	336.4-1/0 1/0-6 AR	400-1/0 Str. 1/0-6 AR	336.4-1/0	400-1/0 Str.	.741	.368	.741	.368	3/4	3 1/4	3 3/4	2 1/2	1/2

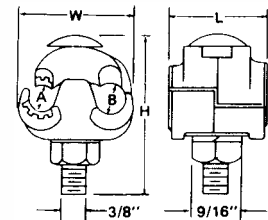
* PAA 400 and 4009 are two bolt clamps.

AR = Over armor rod ‡ RUS Listed.

Aluminum body cast around pronged copper liner effectively seals out moisture.

Type PAC — Aluminum Parallel Groove Clamps with Cast Copper Liner

- Copper conductor is in contact with aluminum conductor surrounded by aluminum
- Clamp provides wide physical separation of conductors to reduce possibility of galvanic corrosion
- Aluminum body pressure cast of corrosion-resistant alloy
- Galvanized-steel bolt and lockwasher with nickel-plated nut
- One-piece construction — no loose parts to assemble during installation
- Copper inserts always face each other
- Carriage bolts furnished standard
- To order with hex head bolts, add suffix -3.



CAT. NO.		CONDUCTOR RANGE			CONDUCTOR DIAMETER		DIMENSIONS (IN.)		
		MAIN		TAP	MAIN	TAP	H	W	L
STANDARD	PREFILLED	ACSR	AL	COPPER					
PAC345#	PAC3459	1/0-8	1/0 Str.-8 Sol.	1/0 Str.-8 Sol.	.398-.128	.373-.128	2 1/2	1 1/2	1 1/4
PAC7 [‡]	PAC79	336.4-1/0 1/0-6 AR	400-2/0 Str. 1/0-6 AR	1/0 Str.-8 Sol.	.741-.398	.373-.128	2 15/32	1 5/8	1 1/8

[‡]RUS Listed.

Parallel Groove Connectors

For use on aluminum-to-aluminum or aluminum-to-copper connections with oxide inhibitor.

Type PAE — Parallel Groove Clamps, Extruded Type

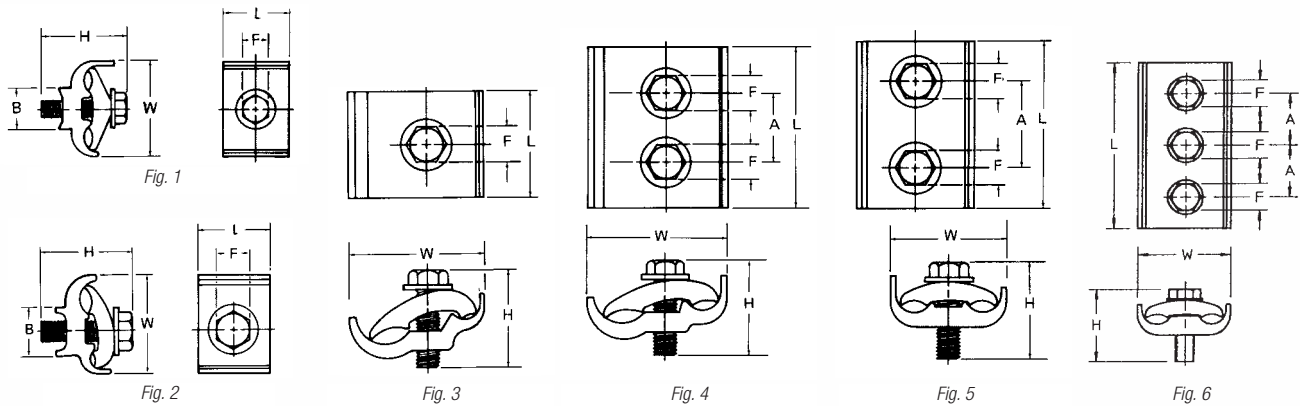
- Can be installed with live line tools
- Standard PAE clamp is supplied with Contax (-9) and galvanized-steel hardware
- Tin plating (-P) or wax dip (-6) must be specified for without oxide inhibitor-filled connectors

Options:

- 7 Aluminum hardware
- P Tin plating
- 6 Wax dip for oxide protection



Example: Cat. Number for PAE-2121 with Contax and aluminum hardware is PAE-2121-79.



CAT. NO.	CONDUCTOR RANGE		CONDUCTOR DIAMETER (IN.)				FIG.	DIMENSIONS (IN.)						GALVANIZED STEEL BOLT THD. SIZE.	ALUMINUM BOLT THD. SIZE
			MAIN		TAP			H	W	L	F	B	A		
	MAIN	TAP	MAX.	MIN.	MAX.	MIN.									
PAE-2121-9 [†]	2/0 ACSR-6 Sol. 6 AR	2/0 ACSR-6 Sol. 6 AR	.447	.162	.447	.162	1	2	1 1/8	1 1/8	3/8	3/8	—	1/2-13 UNC	3/8-16 UNC
PAE-4141-9 [†]	4/0 ACSR-2 Sol. 4-6 AR	4/0 ACSR-2 Sol. 4-6 AR	.563	.258	.563	.258	1	2	2	1 1/8	3/8	3/8	—	1/2-13 UNC	3/8-16 UNC
PAE-3921-9-2	397.5 ACSR-3/0 Str. 2/0-6 AR	2/0 Str.-6 Sol. 6 AR	.743	.464	.414	.162	2	2 3/8	2 1/4	1 1/8	3/4	1 1/8	—	1/2-13 UNC	1/2-13 UNC
PAE-9941-9	1000 kcmil-397.5 ACSR 336.4-2/0 AR	4/0 ACSR-2 Sol. 4-6 AR	1.152	.743	.563	.258	3	2 3/8	25 3/4	2 1/4	3/4	—	—	1/2-13 UNC	1/2-13 UNC
PAE-3931-9-2	397.5 ACSR-3/0 Str. 2/0-6 AR	3/0 ACSR-2 Str. 6 AR	.743	.464	.502	.292	4	2	2 3/8	3 3/4	3/4	—	1 3/4	1/2-13 UNC	1/2-13 UNC
PAE-3939-9-2	397.5 ACSR-3/0 Str. 2/0-6 AR	397.5 ACSR-3/0 Str. 2/0-6 AR	.743	.464	.743	.464	5	2 3/8	2 3/8	3 3/4	3/4	—	1 1/8	1/2-13 UNC	3/8-11 UNC
PAE-9921-9	1000 kcmil-397.5 ACSR 336.4-2/0 AR	2/0 Str.-6 Sol. 6 AR	1.152	.743	.414	.162	3	2 3/8	2 3/8	2 1/4	3/4	—	—	1/2-13 UNC	3/8-11 UNC
PAE-9939-9	1000 kcmil-397.5 ACSR 336.4-2/0 AR	397.5 ACSR-3/0 Str. 2/0-6 AR	1.152	.743	.743	.464	4	2 3/8	3 3/4	3 3/4	3/4	—	1 1/2	1/2-13 UNC	3/8-11 UNC
PAE-9999-9	1000 kcmil-397.5 ACSR 336.4-2/0 AR	1000 kcmil-397.5 ACSR 336.4-2/0 AR	1.152	.743	1.152	.743	6	2 3/8	3 1/2	6	3/4	—	2	1/2-13 UNC	3/8-11 UNC

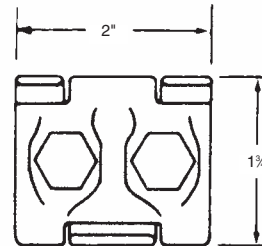
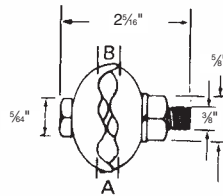
[†] RUS Listed.

Parallel Groove Connectors

Easy to install — no special tools required.

Type PC — Two-Bolt Parallel Groove Clamp

- Made of high-strength copper alloy
- Hex head bolts with square shank of silicon bronze
- Spring washers also of silicon bronze
- Square shank bolts prevent turning while tightening
- Contour of casting permits use of socket wrench if desired
- Large contact area increases conductance
- Not recommended for use with aluminum conductor

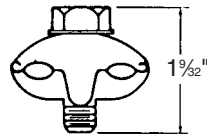
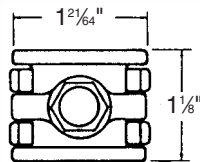


Blackburn Mechanical

CAT. NO.	CONDUCTOR RANGE AWG OR KCMIL (IN.)				CONDUCTOR DIAMETER			
	MAIN		TAP		A		B	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
PC250	250 Str.	4 Sol.	250 Str.	4 Sol.	.575	.204	.575	.204

One size fits all requirements from #8 solid copper to 1/0 ACSR or 2/0 copper.

Type K — Jumper Clamps



- Cast of high-strength copper alloy
- Furnished with silicon bronze hex washer head bolt
- Parallel groove design — no need to remove bolt for installation
- Available plated, unplated or with plating in one groove

CAT. NO.	PLATED GROOVE		COPPER GROOVE	
	MAX.	MIN.	MAX.	MIN.

Plated with plating removed from one groove

K1	1/0 ACSR	6 ACSR	2/0 str. copper	8 solid copper
	2 SCG	12SCG	7/8	9-12D
	amerductor	amerductor	Copperweld*	Copperweld*
	7/8 galv. strand	8 solid iron	2A	etc.

For use with aluminum, amerductor or galvanized steel strand to copper or copper-bonded steel wires.

Clamp plated

CAT. NO.	EITHER GROOVE	
	MAX.	MIN.
K2	1/0 ACSR	6 ACSR
	2 SCG amerductor	12 SCG
	7/8 galvanized steel strand	amerductor
		8 solid iron

For use with amerductor, aluminum or galvanized steel stranding.

Clamp, not plated

K3	2/0 str. copper	8 solid copper
	7/8 copperweld*	91/2D
	2A copperweld*	copperweld*

For copper-to-copper connections.

* Trademark of Copperweld.

Insulated Conductor Connectors



No need to strip conductor insulation or use tape after installation.

Type IPC — Talon™ Insulation Piercing Connectors

- For copper-to-copper, copper-to-aluminum and aluminum-to-aluminum applications (insulated conductor only)
- Performs as splice or tap for non-tension applications up to 600 volts, depending on size of connector
- Self-insulated for hot line applications
- 6 sizes cover range from #10–500 kcmil
- UL® 486B Listed AL9CU (90° C rated)



Blackburn Mechanical

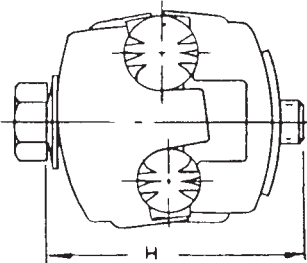
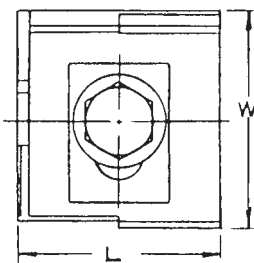


Fig. 1

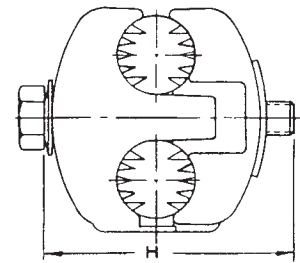
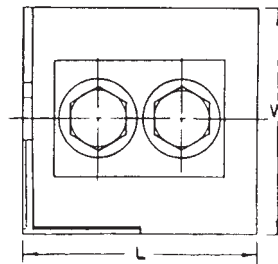


Fig. 2



CAT. NO.	AL OR CU CONDUCTOR RANGE AWG/MM ²		NO. BOLTS	FIG.	DIMENSIONS (IN.)		
	MAIN	TAP			W	H	L
IPC1102*	1/0–8	2–8	1	1	2 ⁹ / ₁₆	2	1 ¹ / ₃₂
	50–6	35–6					
IPC4111	4/0–1/0	1/0–6	2	2	2 ¹ / ₂	3	1 ¹ / ₃₂
	95–50	50–16					
IPC4141	4/0–1/0	4/0–1/0	2	2	2 ⁵ / ₈	3 ¹ / ₄	1 ² / ₃₂
	95–50	95–50					
IPC5041*	500–350	4/0–4	1	1	2	2 ¹ / ₂	2 ¹ / ₂
	240–185	90–25					
IPC3535	350–4/0	350–4/0	2	2	2 ¹ / ₁₆	2 ¹ / ₂	2 ¹ / ₂
	185–95	185–95					
IPC3541	350–4/0	4/0–10	1	1	2 ³ / ₄	3	2 ⁵ / ₈
	185–95	95–6					

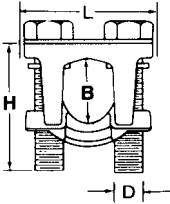
* 600V Rating (All others 300V).

Two-Bolt Connectors

Neoprene washers capture bolts in bottom casting for easy installation.

Type 2B — Two-Bolt Connectors without Spacer

Blackburn Mechanical



- Castings and bolts of high-strength copper alloy
- Removable cap
- UL® 486A Listed for copper conductor only

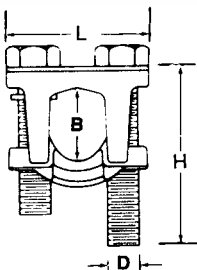


CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER (B)		BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		MAX.	MIN.		L	H	D
	MAX.	MIN.	MAX.	MIN.						
2B10	1/0 Str.	2 Str.	1/0 Str.	10 Sol.	.746	.394	½	1 ⁵ / ₁₆	1¼	5/ ₁₆
2B20BB	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.838	.420	½	1 ⁵ / ₁₆	1¼	5/ ₁₆
2B40	4/0 Str.	1/0 Str.	4/0 Str.	6 Sol.	1.056	.530	5/ ₁₆	1 ⁷ / ₃₂	1¼	5/ ₁₆
2B350	350 kcmil	4/0 Str.	350 kcmil	4 Sol.	1.362	.726	¾	2½	2	½
2B500	500 kcmil	350 kcmil	500 kcmil	4 Sol.	1.626	.883	¾	2¼	2½	½
2B800	800 kcmil	600 kcmil	800 kcmil	2 Sol.	2.062	1.149	¾	2½	2½	½
2B1000	1000 kcmil	750 kcmil	1000 kcmil	2 Sol.	2.304	1.255	1 ⁵ / ₁₆	2 ⁷ / ₃₂	2¼	5/ ₁₆

UL 486A

Extra-long bolt enables top casting to swing free over two conductors of maximum range.

Type 2BX — One-Piece Two-Bolt Connectors without Spacer



- Single-piece construction
- Castings and bolts of high-strength copper alloy
- Neoprene washer holds free bolt in place during installation
- UL 486A Listed for copper conductor only



CAT. NO.	CONDUCTOR RANGE(AWG OR KCMIL)				CONDUCTOR DIAMETER (B)		BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		MAX.	MIN.		L	H	D
	MAX.	MIN.	MAX.	MIN.						
2B10X	1/0 Str.	2 Str.	1/0 Str.	10 Sol.	.746	.394	½	1 ⁵ / ₁₆	1½	5/ ₁₆
2B20X	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.838	.420	½	1 ⁵ / ₁₆	1½	5/ ₁₆
2B40X	4/0 Str.	1/0 Str.	4/0 Str.	6 Sol.	1.056	.530	5/ ₁₆	1 ² / ₃₂	1½	5/ ₁₆
2B350X	350 kcmil	4/0 Str.	350 kcmil	4 Sol.	1.362	.726	¾	2½	2¼	½
2B500X	500 kcmil	350 kcmil	500 kcmil	4 Sol.	1.626	.883	¾	2¼	2½	½
2B800X	800 kcmil	600 kcmil	800 kcmil	2 Sol.	2.062	1.149	¾	2½	2¼	½
2B1000X	1000 kcmil	750 kcmil	1000 kcmil	2 Sol.	2.304	1.255	1 ⁵ / ₁₆	2 ⁷ / ₃₂	3¼	5/ ₁₆

UL 486A

Two-Bolt Connectors



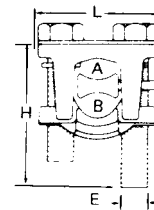
Ringed, contoured spacer swings easily over conductor.

Type 2BW — Two-Bolt Connector with Spacer

- For use on copper conductors only
- Single-piece construction spacer
- Castings and bolts made of high-strength copper alloy
- Spacer made of ductile, high-conductivity copper alloy
- UL 486A Listed for copper conductor only



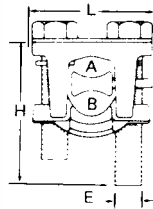
CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		A		B			L	H	E
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
2B10W	1/0 Str.	2 Str.	1/0 Str.	10 Sol.	.373	.292	.373	.102	1/2	1 1/16	1 1/8	5/16
2B20W	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.419	.292	.419	.128	1/2	1 1/16	1 1/8	5/16
2B40W	4/0 Str.	1/0 Str.	4/0 Str.	6 Sol.	.528	.368	.528	.162	3/4	1 7/16	2 1/8	3/8
2B350W	350 kcmil	4/0 Str.	350 kcmil	4 Sol.	.681	.522	.681	.204	3/4	2 1/4	2 1/2	1/2
2B500W	500 kcmil	350 kcmil	500 kcmil	4 Sol.	.813	.679	.813	.204	3/4	2 1/4	2 3/4	1/2
2B800W	800 kcmil	600 kcmil	800 kcmil	2 Sol.	1.031	.891	1.031	.258	3/4	2 1/2	3 1/4	1/2
2B1000W	1000 kcmil	750 kcmil	1000 kcmil	2 Sol.	1.152	.997	1.152	.258	1 1/16	2 3/16	3 3/4	5/8



For use on copper, aluminum and ACSR conductors.

Type 2BPW — Two-Bolt Connector with Spacer

- Single-piece construction spacer
- UL 486A Listed for copper conductor only



CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		A		B			L	H	E
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
2B10PW	1/0-2	1/0-6	1/0 Str.-2 Str.	1/0 Str.-2 Sol.	0.398	0.292	0.398	0.102	1/2	1 1/16	1 1/8	5/16
2B20PW	2/0-2	2/0-6	2/0 Str.-2 Str.	1/0 Str.-2 Sol.	0.447	0.292	0.447	0.128	1/2	1 1/16	1 1/8	5/16
2B40PW	4/0-1/0	4/0-6	4/0 Str.-1/0 Str.	4/0 Str.-1/0 Sol.	0.563	0.368	0.563	0.162	3/4	1 7/16	2 1/8	3/8
2B350PW	350-4/0	350-4	350-4/0	350-4 Sol.	0.680	0.522	0.680	0.204	3/4	2 1/4	2 1/2	1/2
2B500PW	397.5-336.4	397.5-4	500-350	500-4 Sol.	0.813	0.679	0.813	0.204	3/4	2 1/4	2 3/4	1/2
2B800PW	666.6-397.5	666.6-2	800-600	800-2 Sol.	1.031	0.891	1.031	0.258	3/4	2 1/2	3 1/4	1/2
2B1000PW	900-666.6	900-2	1000-750	1000-2 Sol.	1.162	0.997	1.162	0.258	1 1/16	2 3/16	3 3/4	5/8

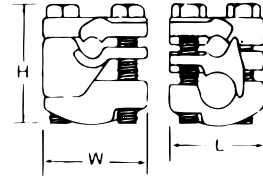
Cross Tap Clamps/Dead-End Clamps

A versatile, multipurpose connector.

Type XT — Clamp for Tee-Tap, Cross, Parallel and End-to-End Connectors



- Castings of copper alloy
- Bolts of silicon bronze
- Designed to enable free wrench rotation for faster installation
- To order tin-plated style, add suffix P (e.g., XT12P)



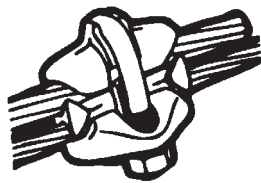
Blackburn Mechanical

CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				DIMENSIONS (IN.)			BOLT SIZE
	MAIN		TAP		A		B		L	H	W	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
XT12	4/0 Str.	1 Str.	2 Str.	6 Sol.	.528	.328	.292	.162	1½	1⅞	1½	⅝
XT13	4/0 Str.	1 Str.	4/0 Str.	1 Str.	.528	.328	.528	.328	1¾	2	1¾	¾
XT21	500 kcmil	250 kcmil	2 Str.	6 Sol.	.813	.574	.292	.162	2⅞	2⅞	1¾	¾
XT22	500 kcmil	250 kcmil	4/0 Str.	1 Str.	.813	.574	.528	.328	2¾	2⅞	2¾	¾
XT23*	500 kcmil	250 kcmil	500 kcmil	250 kcmil	.813	.574	.813	.574	2¾	2⅞	2⅞	¾
XT33*	1000 kcmil	500 kcmil	500 kcmil	250 kcmil	1.152	.811	.813	.574	2¾	3	2⅞	¾
XT34*	1000 kcmil	500 kcmil	1000 kcmil	500 kcmil	1.152	.811	1.152	.811	2⅞	3¾	2⅞	¾

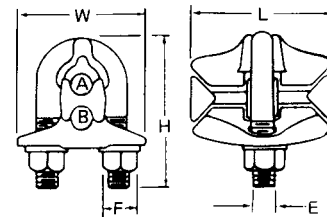
* 4 bolt clamps

Spacer interlocks with U-bolt — won't drop out.

Type DLC — Single U-Bolt Aluminum Fittings



- Suitable for dead-end loop connections
- Spring action counteracts cold flow
- No special tools required for installation
- Top and bottom pressure pads cast of high-strength, heat-treated aluminum silicon alloy
- Extra-long separating spacer made of highly conductive aluminum



- Hardware of high-strength galvanized steel
- For use on copper, aluminum and ACSR conductors
- Order prefilled with oxide inhibitor (suffix 9) for use on aluminum-to-copper connections

CAT. NO.	CONDUCTOR RANGE				CONDUCTOR DIAMETER				DIMENSIONS (IN.)				
	ACSR		AWG OR KCMIL		A		B		W	L	H	F	E
	MAIN	TAP	MAIN	TAP	MAX.	MIN.	MAX.	MIN.					
DLC2106 [‡]	2/0-6	2/0-6	2/0 Str.-6 Sol.	2/0 Str.-6 Sol.	.447	.162	.447	.162	1¾	1½	3¼	⅝	¾
DLC23 [‡]	4/0-1 2-6 AR	4/0-1/0	266.8-1/0 Str.	266.8-1/0 Str.	.563	.368	.609	.368	2¾	2¾	4	¾	½
DLC25	336.4-1/0 1/0-6 AR	336.4-1/0 1/0-6 AR	397.5-1/0 Str.	397.5-1/0 Str.	.684	.368	.743	.368	2¾	3¾	4	¾	½

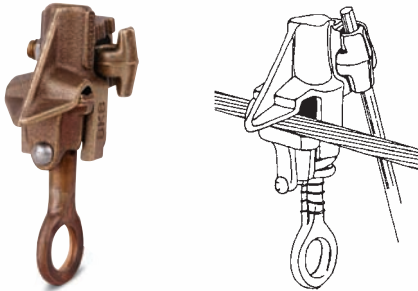
[‡]RUS Listed.



Eye-bolt coated with high-temperature grease to ensure easy turning in all weather conditions.

Type HLC — Hot Line Clamps (Protected Thread)

- HLC2108 Series for 2/0–8 main line conductor
- HLC3974 Series for 397.5kcmil–6 main line conductor
- Available prefilled with oxide-inhibiting Contax and individually packaged (add suffix 9 to catalog number)



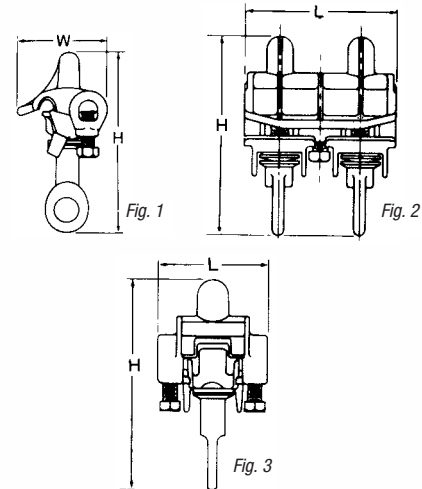
CAT. NO.	FOR WIRE COMBINATION	CONDUCTOR RANGE			
		MAIN		TAP	
		ACSR	AWG OR KCMIL	ACSR	AWG
Bronze Body HLC2108 [†]	Copper to Copper	—	2/0–8	—	2/0
Plated Bronze Body HLC2108P	General Purpose	2/0–6	2/0–8	2/0–6	2/0–8
Plated Aluminum Body HLC2108AP9	General Purpose	2/0–6	2/0–8	2/0–6	2/0–8
Bronze Body HLC3974	Copper to Copper	—	400–6 Sol.	—	4/0–6 Sol.
Plated Bronze Body HLC3974P	General Purpose	—	400–6 Sol.	3/0–6	4/0–6 Sol.
Plated Aluminum Body HLC3974AP	General Purpose	397.5–6	400–6 Sol.	3/0–6	4/0–6 Sol.

[†]RUS Listed.

Incorporates the superior design features of parallel groove clamps, time-proven for reliable performance.

Type PGH — Center Bolt Parallel Groove Hot Tap Clamps

- Wide temperature range lubricant prevents seizing of protected threads
- Tap wire positively secured to clamp during installation and removal by hex head bolt and pressure pad
- Main and tap clamped securely as clamp is tightened
- Available prefilled with oxide-inhibiting Contax (add suffix 9 to catalog number)
- Copper clamps for use on copper conductors only



CAT. NO.	CONDUCTOR RANGE				CONDUCTOR DIAMETER				CENTER BOLTS		FIG.	DIMENSIONS (IN.)			
	MAIN		TAP		MAIN		TAP		NO.	DIA.		W	H	L	
STD. PREFILLED	ACSR	AWG	ACSR	AWG	MAX.	MIN.	MAX.	MIN.							
<i>Aluminum Clamps</i>															
PGH29	2/0–8	2/0 Str.–8 Sol.	1/0–8	1/0 Str.–8 Sol.	.447	.128	.398	.128	1	½	1	2%	5%	2%	
PGH4 PGH49	397.5–6 2/0–6 AR	450–4 Sol.	3/0–6	4/0 Str.–6 Sol.	.781	.198	.528	.162	1	½	1	3%	6%	2%	
PGH69	874–4/0 397.518/1–2 AR	1000–4/0 Str.	266–6	300–6 Sol.	1.152	.522	.657	.162	2	½	2	4	6%	4%	
PGH6129*	874–4/0 397.518/1–2 AR	1000–4/0 Str.	266–6	300–6 Sol.	1.152	.522	.657	.162	1	½	3	3%	6%	3%	
<i>Copper Clamps</i>															
PGH3 PGH39	—	2/0 Str.–8 Sol.	—	2/0 Str.–8 Sol.	.419	.419	.128	.128	1	⅞	1	2%	5%	1%	

*PGH6129 has two hex head bolt and pressure pad tap conductor retainers.
AR-with Armor Rod.

Multi-Bolt Connectors

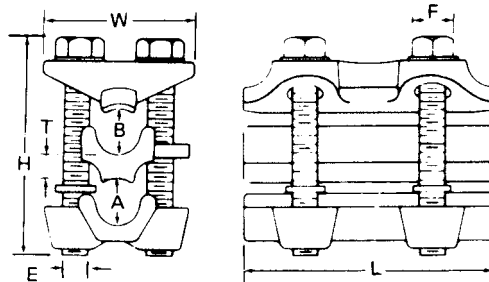
Single-piece construction eliminates loose parts during installation.

Types 4B, 6B — One-Piece Multi-Bolt Connectors

Blackburn Mechanical



- For use on copper, aluminum and ACSR conductors
- Cap and pressure plate of cast aluminum alloy
- Spacer of high-conductivity aluminum
- High-strength aluminum alloy bolts and lockwashers prevent seizing
- Factory prefilled with Contax oxide inhibitor



CAT. NO.	CONDUCTOR RANGE				CONDUCTOR DIAMETER				DIMENSIONS (IN.)						NO. OF BOLTS
	ACSR		AWG OR KCMIL		A		B		W	F	H	T	L	E	
	MAIN	TAP	MAIN	TAP	MAX.	MIN.	MAX.	MIN.							
4B29	4/0-4	4/0-4	250-2 Str.	250-2 Sol.	.575	.250	.575	.250	2 ⁵ / ₁₆	³ / ₄	3 ³ / ₁₆	1 ¹ / ₂	3 ³ / ₄	⁷ / ₁₆	4
4B49	397.5-1/0	397.5-1/0	477-1/0 Str.	477-1/0 Str.	.795	.368	.795	.368	2 ³ / ₄	³ / ₄	4 ¹ / ₁₆	1 ³ / ₂	4 ³ / ₄	¹ / ₂	4
6B89	795-300	795-300	800-350	800-336.4	1.108	.679	1.108	.679	3 ¹ / ₂	1 ⁵ / ₁₆	5 ⁵ / ₁₆	⁷ / ₁₆	6 ³ / ₄	⁵ / ₈	6

AMT Connectors

Blackburn Mechanical



Superior connections with lower installation costs.

AMT Connectors

- PVC insulation eliminates insulation failures and reduces outage costs
- UV-resistant material
- Compact design provides space efficiencies
- UL® Listed

The high quality and built-in flexibility of Blackburn® AMT Connectors reduce the cost of field installations on splices, taps and terminations. They're easy and quick to install, and provide superior insulation that lasts the life of the connection.

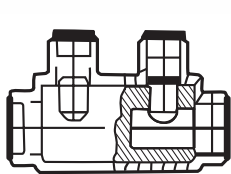


Fig. 1

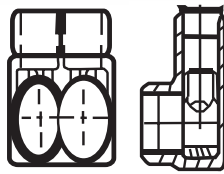


Fig. 2

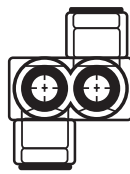


Fig. 3

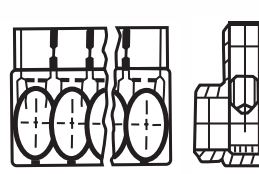


Fig. 4

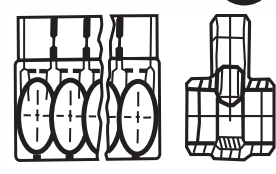


Fig. 5

CAT. NO.	FIGURE	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMTSR10	1	—	1/0-14 STR.	3.25	0.94	1.63	3/16	4
AMTSR250	1	—	250MCM-6 STR.	3.96	1.19	2.17	5/16	4
AMTSR350	1	—	350MCM-6 STR.	4.43	1.31	2.62	5/16	2
AMTSR500	1	—	500MCM-4 STR.	5.38	1.44	3.03	3/8	2
AMTSR750	1	—	750MCM-250MCM	7.25	1.75	3.16	1/2	2

AMT SPLICE OFFSET

AMTTC4	3	2	4-14 STR.	1.24	1.25	1.42	3/8	12
AMTT10	3	2	1/0-14 STR.	1.63	1.63	1.63	3/16	6
AMTT30	3	2	3/0-6 STR.	1.89	1.68	1.86	3/16	6

AMT MULTI-PORT CONNECTOR "SAME SIDE"

AMTS4142	2	2	4-14 STR.	1.24	1.22	1.42	3/8	12
AMTS4143	4	3	4-14 STR.	1.7	1.22	1.42	3/8	12
AMTS4144	4	4	4-14 STR.	2.16	1.22	1.42	3/8	6
AMTS4145	4	5	4-14 STR.	2.61	1.22	1.42	3/8	6
AMTS4146	4	6	4-14 STR.	3.07	1.22	1.42	3/8	6
AMTS4147	4	7	4-14 STR.	3.53	1.22	1.42	3/8	4
AMTS4148	4	8	4-14 STR.	3.99	1.22	1.42	3/8	4
AMTS4149	4	9	4-14 STR.	4.45	1.22	1.42	3/8	4
AMTS41410	4	10	4-14 STR.	4.9	1.22	1.42	3/8	4
AMTS41411	4	11	4-14 STR.	5.36	1.22	1.42	3/8	3
AMTS41412	4	12	4-14 STR.	5.82	1.22	1.42	3/8	3
AMTS41413	4	13	4-14 STR.	6.28	1.22	1.42	3/8	2
AMTS41414	4	14	4-14 STR.	6.74	1.22	1.42	3/8	2
AMTS10142	2	2	1/0-14 STR.	1.67	1.53	1.63	3/16	12
AMTS10143	4	3	1/0-14 STR.	2.29	1.53	1.63	3/16	12
AMTS10144	4	4	1/0-14 STR.	2.92	1.53	1.63	3/16	6
AMTS10145	4	5	1/0-14 STR.	3.54	1.53	1.63	3/16	6
AMTS10146	4	6	1/0-14 STR.	4.17	1.53	1.63	3/16	6
AMTS10147	4	7	1/0-14 STR.	4.79	1.53	1.63	3/16	4

United States
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800.816.7809
Fax: 901.252.1354

Canada
Tel: 450.347.5318
Fax: 450.347.1976

Technical Services
Tel: 888.862.3289

Thomas & Betts

www.tnb.com

AMT Connectors (continued)

CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMT MULTI-PORT CONNECTOR "SAME SIDE" (continued)								
AMTS10148	4	8	1/0-14 STR.	5.42	1.53	1.63	3/8	4
AMTS10149	4	9	1/0-14 STR.	6.04	1.53	1.63	3/8	4
AMTS101410	4	10	1/0-14 STR.	6.67	1.53	1.63	3/8	4
AMTS101411	4	11	1/0-14 STR.	7.29	1.53	1.63	3/8	3
AMTS101412	4	12	1/0-14 STR.	7.92	1.53	1.63	3/8	3
AMTS101413	4	13	1/0-14 STR.	8.54	1.53	1.63	3/8	2
AMTS101414	4	14	1/0-14 STR.	9.17	1.53	1.63	3/8	2
AMTS3062	2	2	3/0-6 STR.	1.89	1.58	1.86	3/8	12
AMTS3063	4	3	3/0-6 STR.	2.65	1.58	1.86	3/8	6
AMTS3064	4	4	3/0-6 STR.	3.42	1.58	1.86	3/8	6
AMTS3065	4	5	3/0-6 STR.	4.18	1.58	1.86	3/8	4
AMTS3066	4	6	3/0-6 STR.	4.95	1.58	1.86	3/8	4
AMTS3067	4	7	3/0-6 STR.	5.71	1.58	1.86	3/8	3
AMTS3068	4	8	3/0-6 STR.	6.48	1.58	1.86	3/8	3
AMTS3069	4	9	3/0-6 STR.	7.24	1.58	1.86	3/8	3
AMTS30610	4	10	3/0-6 STR.	8	1.58	1.86	3/8	2
AMTS30611	4	11	3/0-6 STR.	8.77	1.58	1.86	3/8	2
AMTS30612	4	12	3/0-6 STR.	9.54	1.58	1.86	3/8	2
AMTS30613	4	13	3/0-6 STR.	10.3	1.58	1.86	3/8	2
AMTS30614	4	14	3/0-6 STR.	11.07	1.58	1.86	3/8	2
AMTS25062	4	2	250MCM-6 STR.	2.17	1.91	2.17	3/8	6
AMTS25063	4	3	250MCM-6 STR.	3.07	1.91	2.17	3/8	6
AMTS25064	4	4	250MCM-6 STR.	3.96	1.91	2.17	3/8	6
AMTS25065	4	5	250MCM-6 STR.	4.85	1.91	2.17	3/8	4
AMTS25066	4	6	250MCM-6 STR.	5.75	1.91	2.17	3/8	4
AMTS25067	4	7	250MCM-6 STR.	6.64	1.91	2.17	3/8	3
AMTS25068	4	8	250MCM-6 STR.	7.53	1.91	2.17	3/8	3
AMTS25069	4	9	250MCM-6 STR.	8.42	1.91	2.17	3/8	3
AMTS250610	4	10	250MCM-6 STR.	9.32	1.91	2.17	3/8	2
AMTS250611	4	11	250MCM-6 STR.	10.21	1.91	2.17	3/8	2
AMTS250612	4	12	250MCM-6 STR.	11.1	1.91	2.17	3/8	2
AMTS250613	4	13	250MCM-6 STR.	12	1.91	2.17	3/8	1
AMTS250614	4	14	250MCM-6 STR.	12.89	1.91	2.17	3/8	1
AMTS35062	2	2	350MCM-6 STR.	2.51	2.03	2.62	3/8	4
AMTS35063	4	3	350MCM-6 STR.	3.56	2.03	2.62	3/8	4
AMTS35064	4	4	350MCM-6 STR.	4.61	2.03	2.62	3/8	3
AMTS35065	4	5	350MCM-6 STR.	5.66	2.03	2.62	3/8	3
AMTS35066	4	6	350MCM-6 STR.	6.71	2.03	2.62	3/8	2
AMTS35067	4	7	350MCM-6 STR.	7.76	2.03	2.62	3/8	2
AMTS35068	4	8	350MCM-6 STR.	8.81	2.03	2.62	3/8	2
AMTS35069	4	9	350MCM-6 STR.	9.86	2.03	2.62	3/8	2
AMTS350610	4	10	350MCM-6 STR.	10.91	2.03	2.62	3/8	2
AMTS350611	4	11	350MCM-6 STR.	11.96	2.03	2.62	3/8	1
AMTS350612	4	12	350MCM-6 STR.	13.01	2.03	2.62	3/8	1
AMTS350613	4	13	350MCM-6 STR.	14.06	2.03	2.62	3/8	1
AMTS350614	4	14	350MCM-6 STR.	15.11	2.03	2.62	3/8	1
AMTS50042	2	2	500MCM-4 STR.	2.97	2.28	3.04	3/8	3
AMTS50043	4	3	500MCM-4 STR.	4.12	2.28	3.04	3/8	3
AMTS50044	4	4	500MCM-4 STR.	5.28	2.28	3.04	3/8	3
AMTS50045	4	5	500MCM-4 STR.	6.44	2.28	3.04	3/8	2
AMTS50046	4	6	500MCM-4 STR.	7.59	2.28	3.04	3/8	2
AMTS50047	4	7	500MCM-4 STR.	8.75	2.28	3.04	3/8	2
AMTS50048	4	8	500MCM-4 STR.	9.9	2.28	3.04	3/8	2
AMTS50049	4	9	500MCM-4 STR.	11.06	2.28	3.04	3/8	2
AMTS500410	4	10	500MCM-4 STR.	12.22	2.28	3.04	3/8	1
AMTS500411	4	11	500MCM-4 STR.	13.37	2.28	3.04	3/8	1

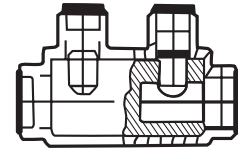


Fig. 1

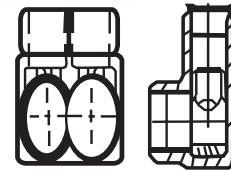


Fig. 2

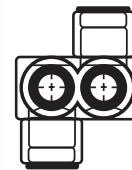


Fig. 3

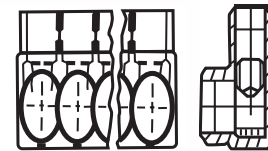


Fig. 4

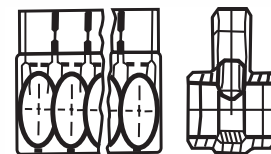


Fig. 5

AMT Connectors (continued)

CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
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AMT MULTI-PORT CONNECTOR "SAME SIDE" (continued)

AMTS500412	4	12	500MCM-4 STR.	14.53	2.28	3.04	3/8	1
AMTS500413	4	13	500MCM-4 STR.	15.68	2.28	3.04	3/8	1
AMTS500414	4	14	500MCM-4 STR.	16.84	2.28	3.04	3/8	1
AMTS7502502	4	2	750MCM-250MCM	3.47	2.75	3.31	1/2	3
AMTS7502503	4	3	750MCM-250MCM	4.89	2.75	3.31	1/2	3
AMTS7502504	4	4	750MCM-250MCM	6.32	2.75	3.31	1/2	2
AMTS7502505	4	5	750MCM-250MCM	7.74	2.75	3.31	1/2	1
AMTS7502506	4	6	750MCM-250MCM	9.16	2.75	3.31	1/2	1
AMTS7502507	4	7	750MCM-250MCM	10.58	2.75	3.31	1/2	1
AMTS7502508	4	8	750MCM-250MCM	12	2.75	3.31	1/2	1
AMTS7502509	4	9	750MCM-250MCM	13.43	2.75	3.31	1/2	1
AMTS75025010	4	10	750MCM-250MCM	14.85	2.75	3.31	1/2	1
AMTS75025011	4	11	750MCM-250MCM	16.27	2.75	3.31	1/2	1
AMTS75025012	4	12	750MCM-250MCM	17.69	2.75	3.31	1/2	1
AMTS75025013	4	13	750MCM-250MCM	19.11	2.75	3.31	1/2	1
AMTS75025014	4	14	750MCM-250MCM	20.54	2.75	3.31	1/2	1

AMT MULTI-PORT CONNECTOR "DOUBLE" BOTH SIDES

AMTD4142	5	2	4-14 STR.	1.24	1.25	1.42	1/8	12
AMTD4143	5	3	4-14 STR.	1.7	1.25	1.42	1/8	12
AMTD4144	5	4	4-14 STR.	2.16	1.25	1.42	1/8	6
AMTD4145	5	5	4-14 STR.	2.61	1.25	1.42	1/8	6
AMTD4146	5	6	4-14 STR.	3.07	1.24	1.42	1/8	6
AMTD4147	5	7	4-14 STR.	3.53	1.25	1.42	1/8	4
AMTD4148	5	8	4-14 STR.	3.99	1.25	1.42	1/8	4
AMTD4149	5	9	4-14 STR.	4.45	1.25	1.42	1/8	4
AMTD41410	5	10	4-14 STR.	4.9	1.25	1.42	1/8	4
AMTD41411	5	11	4-14 STR.	5.36	1.25	1.42	1/8	3
AMTD41412	5	12	4-14 STR.	5.82	1.25	1.42	1/8	3
AMTD41413	5	13	4-14 STR.	6.28	1.25	1.42	1/8	2
AMTD41414	5	14	4-14 STR.	6.74	1.25	1.42	1/8	2
AMTD10142	5	2	1/0-14 STR.	1.67	1.63	1.63	3/16	12
AMTD10143	5	3	1/0-14 STR.	2.29	1.63	1.63	3/16	12
AMTD10144	5	4	1/0-14 STR.	2.92	1.63	1.63	3/16	6
AMTD10145	5	5	1/0-14 STR.	3.54	1.63	1.63	3/16	6
AMTD10146	5	6	1/0-14 STR.	4.17	1.63	1.63	3/16	6
AMTD10147	5	7	1/0-14 STR.	4.79	1.63	1.63	3/16	4
AMTD10148	5	8	1/0-14 STR.	5.42	1.63	1.63	3/16	4
AMTD10149	5	9	1/0-14 STR.	6.04	1.63	1.63	3/16	4
AMTD101410	5	10	1/0-14 STR.	6.67	1.63	1.63	3/16	4
AMTD101411	5	11	1/0-14 STR.	7.29	1.63	1.63	3/16	3
AMTD101412	5	12	1/0-14 STR.	7.92	1.63	1.63	3/16	3
AMTD101413	5	13	1/0-14 STR.	8.54	1.63	1.63	3/16	2
AMTD101414	5	14	1/0-14 STR.	9.17	1.63	1.63	3/16	2
AMTD3062	5	2	3/0-6 STR.	1.89	1.68	1.86	3/16	6
AMTD3063	5	3	3/0-6 STR.	2.65	1.68	1.86	3/16	6
AMTD3064	5	4	3/0-6 STR.	3.42	1.68	1.86	3/16	6
AMTD3065	5	5	3/0-6 STR.	4.18	1.68	1.86	3/16	4
AMTD3066	5	6	3/0-6 STR.	4.95	1.68	1.86	3/16	4
AMTD3067	5	7	3/0-6 STR.	5.71	1.68	1.86	3/16	3
AMTD3068	5	8	3/0-6 STR.	6.48	1.68	1.86	3/16	3
AMTD3069	5	9	3/0-6 STR.	7.24	1.68	1.86	3/16	3
AMTD30610	5	10	3/0-6 STR.	8.01	1.68	1.86	3/16	2
AMTD30611	5	11	3/0-6 STR.	8.77	1.68	1.86	3/16	2
AMTD30612	5	12	3/0-6 STR.	9.54	1.68	1.86	3/16	2
AMTD30613	5	13	3/0-6 STR.	10.3	1.68	1.86	3/16	2
AMTD30614	5s	14	3/0-6 STR.	11.07	1.68	1.86	3/16	2

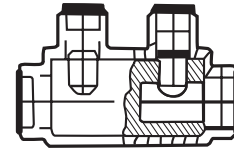


Fig. 1

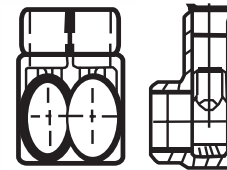


Fig. 2

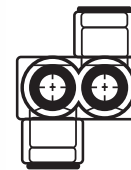


Fig. 3

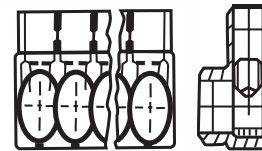


Fig. 4

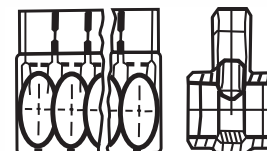


Fig. 5

Blackburn Mechanical

AMT Connectors (continued)

CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMT MULTI-PORT CONNECTOR "DOUBLE" BOTH SIDES (continued)								
AMTD25062	5	2	250MCM-6 STR.	2.17	2.13	2.17	5/16	6
AMTD25063	5	3	250MCM-6 STR.	3.07	2.13	2.17	5/16	6
AMTD25064	5	4	250MCM-6 STR.	3.96	2.13	2.17	5/16	6
AMTD25065	5	5	250MCM-6 STR.	4.85	2.13	2.17	5/16	4
AMTD25066	5	6	250MCM-6 STR.	5.75	2.13	2.17	5/16	4
AMTD25067	5	7	250MCM-6 STR.	6.64	2.13	2.17	5/16	3
AMTD25068	5	8	250MCM-6 STR.	7.53	2.13	2.17	5/16	3
AMTD25069	5	9	250MCM-6 STR.	8.42	2.13	2.17	5/16	3
AMTD250610	5	10	250MCM-6 STR.	9.32	2.13	2.17	5/16	2
AMTD250611	5	11	250MCM-6 STR.	10.21	2.13	2.17	5/16	2
AMTD250612	5	12	250MCM-6 STR.	11.1	2.13	2.17	5/16	2
AMTD250613	5	13	250MCM-6 STR.	12	2.13	2.17	5/16	1
AMTD250614	5	14	250MCM-6 STR.	12.89	2.13	2.17	5/16	1
AMTD35062	5	2	350MCM-6 STR.	2.51	2.25	2.62	5/16	4
AMTD35063	5	3	350MCM-6 STR.	3.56	2.25	2.62	5/16	4
AMTD35064	5	4	350MCM-6 STR.	4.61	2.25	2.62	5/16	3
AMTD35065	5	5	350MCM-6 STR.	5.67	2.25	2.62	5/16	3
AMTD35066	5	6	350MCM-6 STR.	6.71	2.25	2.62	5/16	3
AMTD35067	5	7	350MCM-6 STR.	7.76	2.25	2.62	5/16	2
AMTD35068	5	8	350MCM-6 STR.	8.81	2.25	2.62	5/16	2
AMTD35069	5	9	350MCM-6 STR.	9.86	2.25	2.62	5/16	2
AMTD350610	5	10	350MCM-6 STR.	10.91	2.25	2.62	5/16	2
AMTD350611	5	11	350MCM-6 STR.	11.96	2.25	2.62	5/16	1
AMTD350612	5	12	350MCM-6 STR.	13.01	2.25	2.62	5/16	1
AMTD350613	5	13	350MCM-6 STR.	14.06	2.25	2.62	5/16	1
AMTD350614	5	14	350MCM-6 STR.	15.11	2.25	2.62	5/16	1
AMTD50042	5	2	500MCM-4 STR.	2.97	2.63	3.04	3/8	3
AMTD50043	5	3	500MCM-4 STR.	4.12	2.63	3.04	3/8	3
AMTD50044	5	4	500MCM-4 STR.	5.28	2.63	3.04	3/8	3
AMTD50045	5	5	500MCM-4 STR.	6.44	2.63	3.04	3/8	2
AMTD50046	5	6	500MCM-4 STR.	7.59	2.63	3.04	3/8	2
AMTD50047	5	7	500MCM-4 STR.	8.75	2.63	3.04	3/8	2
AMTD50048	5	8	500MCM-4 STR.	9.9	2.63	3.04	3/8	2
AMTD50049	5	9	500MCM-4 STR.	11.06	2.63	3.04	3/8	2
AMTD500410	5	10	500MCM-4 STR.	12.22	2.63	3.04	3/8	1
AMTD500411	5	11	500MCM-4 STR.	13.37	2.63	3.04	3/8	1
AMTD500412	5	12	500MCM-4 STR.	14.53	2.63	3.04	3/8	1
AMTD500413	5	13	500MCM-4 STR.	15.68	2.63	3.04	3/8	1
AMTD500414	5	14	500MCM-4 STR.	16.84	2.63	3.04	3/8	1
AMTD7502502	5	2	750MCM-250MCM	3.47	3.25	3.31	1/2	3
AMTD7502503	5	3	750MCM-250MCM	4.89	3.25	3.31	1/2	3
AMTD7502504	5	4	750MCM-250MCM	6.32	3.25	3.31	1/2	2
AMTD7502505	5	5	750MCM-250MCM	7.74	3.25	3.31	1/2	1
AMTD7502506	5	6	750MCM-250MCM	9.16	3.25	3.31	1/2	1
AMTD7502507	5	7	750MCM-250MCM	10.58	3.25	3.31	1/2	1
AMTD7502508	5	8	750MCM-250MCM	12	3.25	3.31	1/2	1
AMTD7502509	5	9	750MCM-250MCM	13.43	3.25	3.31	1/2	1
AMTD75025010	5	10	750MCM-250MCM	14.85	3.25	3.31	1/2	1
AMTD75025011	5	11	750MCM-250MCM	16.27	3.25	3.31	1/2	1
AMTD75025012	5	12	750MCM-250MCM	17.69	3.25	3.31	1/2	1
AMTD75025013	5	13	750MCM-250MCM	19.11	3.25	3.31	1/2	1
AMTD75025014	5	14	750MCM-250MCM	20.54	3.25	3.31	1/2	1

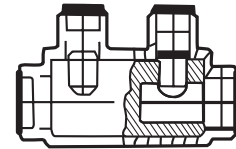


Fig. 1

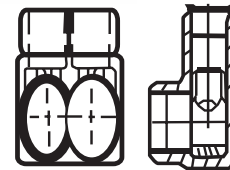


Fig. 2

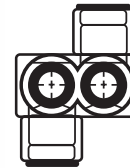


Fig. 3

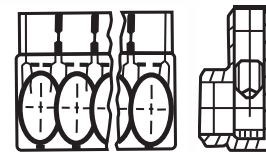


Fig. 4

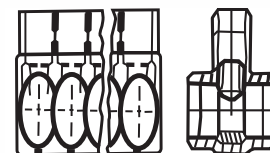


Fig. 5

AMT Connectors (continued)

CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMT MOUNTABLE MULTI-PORT CONNECTOR "DOUBLE" BOTH SIDES								
AMTDM3062	5	2	3/0-6 STR.	3.42	1.68	1.86	3/16	6
AMTDM3063	5	3	3/0-6 STR.	4.18	1.68	1.86	3/16	4
AMTDM3064	5	4	3/0-6 STR.	4.95	1.68	1.86	3/16	4
AMTDM3065	5	5	3/0-6 STR.	5.71	1.68	1.86	3/16	3
AMTDM3066	5	6	3/0-6 STR.	6.48	1.68	1.86	3/16	3
AMTDM3067	5	7	3/0-6 STR.	7.24	1.68	1.86	3/16	3
AMTDM3068	5	8	3/0-6 STR.	8.01	1.68	1.86	3/16	2
AMTDM3069	5	9	3/0-6 STR.	8.77	1.68	1.86	3/16	2
AMTDM30610	5	10	3/0-6 STR.	9.54	1.68	1.86	3/16	2
AMTDM30611	5	11	3/0-6 STR.	10.3	1.68	1.86	3/16	2
AMTDM30612	5	12	3/0-6 STR.	11.07	1.68	1.86	3/16	2
AMTDM25062	5	2	250MCM-6 STR.	3.96	2.13	2.17	3/16	6
AMTDM25063	5	3	250MCM-6 STR.	4.85	2.13	2.17	3/16	4
AMTDM25064	5	4	250MCM-6 STR.	5.73	2.13	2.17	3/16	4
AMTDM25065	5	5	250MCM-6 STR.	6.64	2.13	2.17	3/16	3
AMTDM25066	5	6	250MCM-6 STR.	7.53	2.13	2.17	3/16	3
AMTDM25067	5	7	250MCM-6 STR.	8.42	2.13	2.17	3/16	3
AMTDM25068	5	8	250MCM-6 STR.	9.32	2.13	2.17	3/16	2
AMTDM25069	5	9	250MCM-6 STR.	10.21	2.13	2.17	3/16	2
AMTDM250610	5	10	250MCM-6 STR.	11.1	2.13	2.17	3/16	2
AMTDM250611	5	11	250MCM-6 STR.	12	2.13	2.17	3/16	1
AMTDM250612	5	12	250MCM-6 STR.	12.89	2.13	2.17	3/16	1
AMTDM35062	5	2	350MCM-6 STR.	4.61	2.25	2.62	3/16	3
AMTDM35063	5	3	350MCM-6 STR.	5.67	2.25	2.62	3/16	3
AMTDM35064	5	4	350MCM-6 STR.	6.71	2.25	2.62	3/16	3
AMTDM35065	5	5	350MCM-6 STR.	7.76	2.25	2.62	3/16	2
AMTDM35066	5	6	350MCM-6 STR.	8.81	2.25	2.62	3/16	2
AMTDM35067	5	7	350MCM-6 STR.	9.86	2.25	2.62	3/16	2
AMTDM35068	5	8	350MCM-6 STR.	10.91	2.25	2.62	3/16	2
AMTDM35069	5	9	350MCM-6 STR.	11.96	2.25	2.62	3/16	1
AMTDM350610	5	10	350MCM-6 STR.	13.01	2.25	2.62	3/16	1
AMTDM350611	5	11	350MCM-6 STR.	14.06	2.25	2.62	3/16	1
AMTDM350612	5	12	350MCM-6 STR.	15.11	2.25	2.62	3/16	1
AMTDM50042	5	2	500MCM-4 STR.	5.25	2.63	3.04	3/8	3
AMTDM50043	5	3	500MCM-4 STR.	6.44	2.63	3.04	3/8	2
AMTDM50044	5	4	500MCM-4 STR.	7.59	2.63	3.04	3/8	2
AMTDM50045	5	5	500MCM-4 STR.	8.75	2.63	3.04	3/8	2
AMTDM50046	5	6	500MCM-4 STR.	9.9	2.63	3.04	3/8	2
AMTDM50047	5	7	500MCM-4 STR.	11.06	2.63	3.04	3/8	2
AMTDM50048	5	8	500MCM-4 STR.	12.22	2.63	3.04	3/8	1
AMTDM50049	5	9	500MCM-4 STR.	13.37	2.63	3.04	3/8	1
AMTDM500410	5	10	500MCM-4 STR.	14.53	2.63	3.04	3/8	1
AMTDM500411	5	11	500MCM-4 STR.	15.68	2.63	3.04	3/8	1
AMTDM500412	5	12	500MCM-4 STR.	16.84	2.63	3.04	3/8	1
AMTDM7502502	5	2	750MCM-250MCM	6.32	3.25	3.31	1/2	2
AMTDM7502503	5	3	750MCM-250MCM	7.74	3.25	3.31	1/2	1
AMTDM7502504	5	4	750MCM-250MCM	9.16	3.25	3.31	1/2	1
AMTDM7502505	5	5	750MCM-250MCM	10.58	3.25	3.31	1/2	1
AMTDM7502506	5	6	750MCM-250MCM	12	3.25	3.31	1/2	1
AMTDM7502507	5	7	750MCM-250MCM	13.43	3.25	3.31	1/2	1
AMTDM7502508	5	8	750MCM-250MCM	14.85	3.25	3.31	1/2	1
AMTDM7502509	5	9	750MCM-250MCM	16.27	3.25	3.31	1/2	1
AMTDM75025010	5	10	750MCM-250MCM	17.69	3.25	3.31	1/2	1
AMTDM75025011	5	11	750MCM-250MCM	19.11	3.25	3.31	1/2	1
AMTDM75025012	5	12	750MCM-250MCM	20.54	3.25	3.31	1/2	1

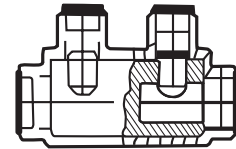


Fig. 1

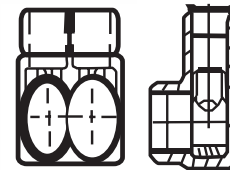


Fig. 2

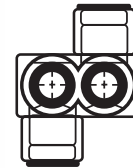


Fig. 3

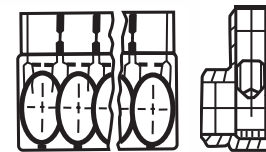


Fig. 4

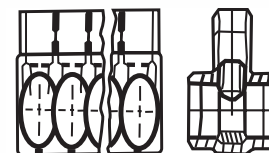


Fig. 5

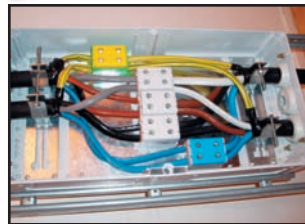
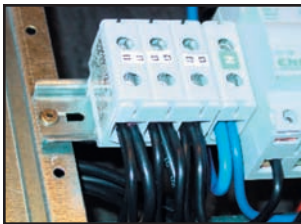
Blackburn Mechanical

Power Distribution Blocks

Power Distribution Blocks

Features

- Insulated housing provides fast, clean, safe installation and controlled dielectric strength
- Grooved contact surfaces penetrate conductor oxides for best contact
- Easily installed and position-locked with DIN rail or screw mounting



Blackburn Power Distribution Blocks are suitable for all panel building applications and various terminal enclosure solutions; for extending or branching the cables or changing the conductor type.

Specifications

- Max. Voltage: 600V
- Max. Temperature: 80° C
- Flammability Rating: V-2 (UL94)
- Standards & Testing: UL1059, Category XCFR2, File Number E66436; SFS 2663; VDE 0220, Teil 1/11.71, Teil 2/11.71, SEN 241510, SEN 245012; IEC 61238 class B

Typical Applications

- Ideal for OEM use in electrical, electronics, panel, switchboard, switchgear, automation and control manufacturing
- Also suitable for industrial/commercial retrofit contractors, installation technicians, maintenance and service providers
- Use in distribution panels, control boxes, automation products, ESS centers and more



Terminal Blocks



Tapping Blocks

Terminal Blocks

- One-pole feedthrough terminal blocks
- Three-pole version (Cat. No. PDS3610) supports three-phase systems
- Designed for connecting or extending both aluminum and copper conductors

Tapping Blocks

- One pole, four identical terminals
- Suitable for extending or branching both aluminum and copper conductors

Conductor Table

Conductors that can be used with the Power Distribution Blocks — number, cross-section and type.

- Requirements of a specific apparatus may restrict the number of conductors
- Usually a maximum of three adjacent standard cross-sections in one space
- In general, the conductors connected to one conductor space of a connector must be of the same type
- Table values require careful installation
- We recommend use of ferrules when using fine-stranded conductors
- After installation, check that all conductors are pressed into a connection
- The nominal current of the power distribution blocks must not be exceeded
- According to some installation standards, each incoming and outgoing protection and neutral conductor in a panel must have its own separate power distribution blocks
- The conductor numbers below refer only to industrially installed power distribution blocks (internal connections in a panel)

Cross-sections of conductors (AWG/kcmil) and number of conductors/space
The conductor numbers below refer only to industrially installed

CAT. NO.	AWG/ KCMIL	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500
PDS610	Al	1	1	1	1	1	1									
	Cu	1	1	1	1	1	1									
	Cu	2														
	Cu	3														
PDS3610	Al	1	1	1	1	1	1									
	Cu	1	1	1	1	1	1									
	Cu	2														
	Cu	3														
PDS440	Al			1	1	1	1	1	1	1	1					
	Cu			1	1	1	1	1	1	1	1					
	Cu	2	2	2	2	2										
	Cu	3														
PDS2300	Al					1	1	1	1	1	1	1	1			
	Cu					1	1	1	1	1	1	1	1			
	Cu					2	2	2								
	Cu					3										
PDS30500	Al									1	1	1	1	1	1	1
	Cu									1	1	1	1	1	1	1
	Cu				2	2	2	2	2							
	Cu				3	3	3	3								
PDS2610	Al	1	1	1	1	1	1									
	Cu	1	1	1	1	1	1									
	Cu	2														
	Cu	3														
PDS2440	Al			1	1	1	1	1	1	1	1					
	Cu			1	1	1	1	1	1	1	1					
	Cu	2	2	2	2	2										
	Cu	3														
PDS22300	Al					1	1	1	1	1	1	1	1			
	Cu					1	1	1	1	1	1	1	1			
	Cu					2	2	2								
	Cu					3										
PDS230500	Al									1	1	1	1	1	1	1
	Cu									1	1	1	1	1	1	1
	Cu				2	2	2	2	2							
	Cu				3	3	3	3								

Power Distribution Blocks (continued)



Blackburn® Mechanical

CAT. NO.	WIRE RANGE	MAX. CURRENT	TIGHTENING TORQUE	ALLEN HEX SOCKET HEAD TERMINAL SCREW	MOUNTING	OVERALL DIMENSIONS	COLOR	PKG. QTY.
Terminal Blocks								
PDS610	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat rail	0.7"W x 1.9"H x 1.7"D	Gray	30
PDS610B	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat rail	0.7"W x 1.9"H x 1.7"D	Blue	30
PDS610G	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat rail	0.7"W x 1.9"H x 1.7"D	Yellow-Green	30
PDS3610	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat rail	1.9"W x 1.9"H x 1.7"D	Gray	30
PDS440	4/0 – 4 AWG Cu or Al	230A Cu/ 180A Al	126 lb.-in.	5mm	Top Hat rail or screw	0.9"W x 3.4"H x 1.9"D	Gray	30
PDS440B	4/0 – 4 AWG Cu or Al	230A Cu/ 180A Al	126 lb.-in.	5mm	Top Hat rail or screw	0.9"W x 3.4"H x 1.9"D	Blue	30
PDS440G	4/0 – 4 AWG Cu or Al	230A Cu/ 180A Al	126 lb.-in.	5mm	Top Hat rail or screw	0.9"W x 3.4"H x 1.9"D	Yellow-Green	30
PDS2300	300 – 2 AWG Cu or Al	285A Cu/ 230A Al	216 lb.-in.	8mm	Top Hat rail or screw	1.2"W x 3.7"H x 2.3"D	Gray	30
PDS2300B	300 – 2 AWG Cu or Al	285A Cu/ 230A Al	216 lb.-in.	8mm	Top Hat rail or screw	1.2"W x 3.7"H x 2.3"D	Blue	30
PDS2300G	300 – 2 AWG Cu or Al	285A Cu/ 230A Al	216 lb.-in.	8mm	Top Hat rail or screw	1.2"W x 3.7"H x 2.3"D	Yellow-Green	30
PDS30500	500 – 3/0 AWG Cu or Al	380A Cu/ 310A Al	360 lb.-in.	8mm	Screw	1.5"W x 5.1"H x 2.6"D	Gray	30
PDS30500B	500 – 3/0 AWG Cu or Al	380A Cu/ 310A Al	360 lb.-in.	8mm	Screw	1.5"W x 5.1"H x 2.6"D	Blue	30
PDS30500G	500 – 3/0 AWG Cu or Al	380A Cu/ 310A Al	360 lb.-in.	8mm	Screw	1.5"W x 5.1"H x 2.6"D	Yellow-Green	30
Tapping Blocks								
PDS2610	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat Rail	1.2"W x 1.9"H x 1.7"D	Gray	30
PDS2610B	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat Rail	1.2"W x 1.9"H x 1.7"D	Blue	30
PDS2610G	1/0 – 6 AWG Cu or Al	150A Cu/ 120A Al	90 lb.-in.	5mm	Top Hat Rail	1.2"W x 1.9"H x 1.7"D	Yellow-Green	30
PDS2440	4/0 – 4 AWG Cu or Al	230A Cu/ 180A Al	126 lb.-in.	5mm	Top Hat rail or screw	1.7"W x 3.4"H x 1.9"D	Gray	30
PDS2440B	4/0 – 4 AWG Cu or Al	230A Cu/ 180A Al	126 lb.-in.	5mm	Top Hat rail or screw	1.7"W x 3.4"H x 1.9"D	Blue	30
PDS2440G	4/0 – 4 AWG Cu or Al	230A Cu/ 180A Al	126 lb.-in.	5mm	Top Hat rail or screw	1.7"W x 3.4"H x 1.9"D	Yellow-Green	30
PDS22300	300 – 2 AWG Cu or Al	285A Cu/ 230A Al	216 lb.-in.	8mm	Top Hat rail or screw	2"W x 3.7"H x 2.3"D	Gray	30
PDS22300B	300 – 2 AWG Cu or Al	285A Cu/ 230A Al	216 lb.-in.	8mm	Top Hat rail or screw	2"W x 3.7"H x 2.3"D	Blue	30
PDS22300G	300 – 2 AWG Cu or Al	285A Cu/ 230A Al	216 lb.-in.	8mm	Top Hat rail or screw	2"W x 3.7"H x 2.3"D	Yellow-Green	30
PDS230500	500 – 3/0 AWG Cu or Al	380A Cu/ 310A Al	360 lb.-in.	8mm	Screw	2.5"W x 5.1"H x 2.6"D	Gray	30
PDS230500B	500 – 3/0 AWG Cu or Al	380A Cu/ 310A Al	360 lb.-in.	8mm	Screw	2.5"W x 5.1"H x 2.6"D	Blue	30
PDS230500G	500 – 3/0 AWG Cu or Al	380A Cu/ 310A Al	360 lb.-in.	8mm	Screw	2.5"W x 5.1"H x 2.6"D	Yellow-Green	30

Anti-Rotational Connector

“No-turn” design keeps connector securely in place — even under vibration.

Anti-Rotational Connector

- Unique bottom rib keeps connector from turning
- Eliminates the need for excessive torque, which can damage large conductors
- Prevents connector loosening, even in heavy-vibration applications

Blackburn® Anti-Rotational Connectors are designed with a rib on the bottom that keeps the connectors from turning, so there's no need to apply excessive torque and there's no danger of loosening connectors.

The unique “no-turn” rib provides a secure connection that eliminates the conductor pinching that results from connector movement.

The “no-turn” design solves a unique problem for electricians and installers. Larger conductors tend

to get damaged in over-torque conditions, and connectors are prone to loosen in applications where there is vibration, such as motor loads.

Inspectors and local standards boards are requiring electricians and installers to make provisions to eliminate these conditions, and Blackburn® Anti-Rotational Connectors are the solution.

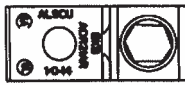


Fig. 1

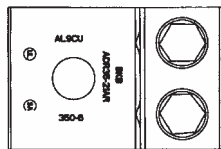
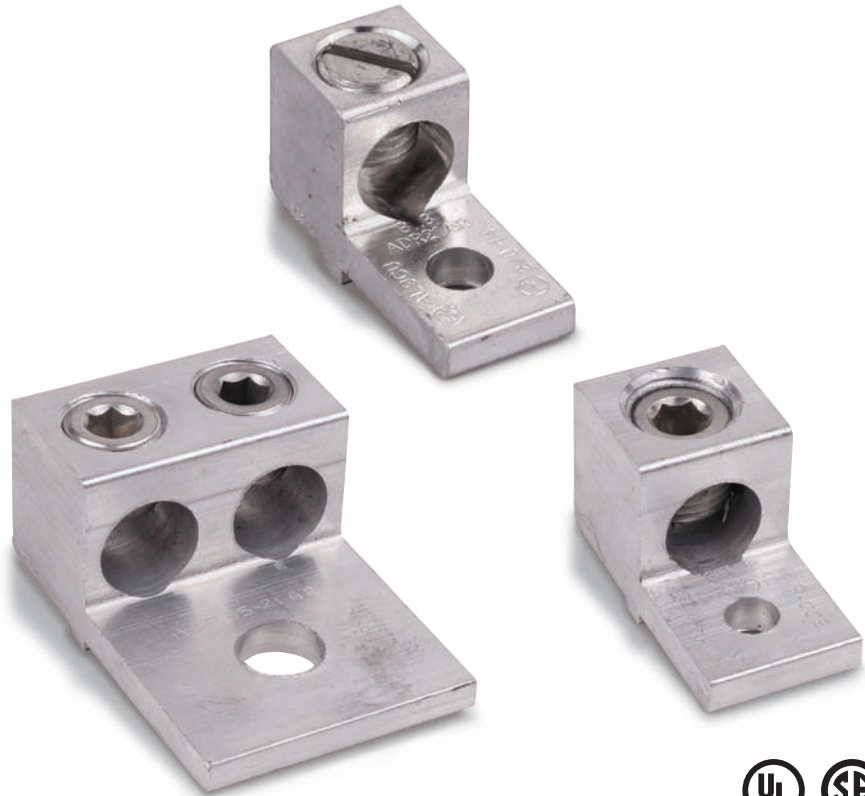


Fig. 2



CAT. NO.	WIRE RANGE	MOUNTING HOLE	NET EACH	WT./100	FIG.
ADR21-AR	2/0-14AWG	¼ Bolt Hole	25/250	3.48	1
ADR30-AR	300MCM-6AWG	¾ Bolt Hole	25/250	10	1
ADR35-AR	350MCM-6AWG	¾ Bolt Hole	12/120	15	1
ADR60-AR	600MCM-2AWG	½ Bolt Hole	6/60	37.5	1
ADR35-21-AR	350MCM-6AWG	¾ Bolt Hole	6/60	29.7	2
ADR60-21-AR	600MCM-2AWG	½ Bolt Hole	4/40	75.1	2

Dual-Rated Mechanical Connectors

All-aluminum-body lugs for use on copper and aluminum conductors.

Dual-Rated Mechanical Connectors

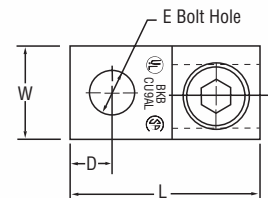
- Easy installation — no special tools required
- Tin plated for low contact resistance
- UL 486B tested, AL9CU rated
- Slotted screw on lugs up through 2/0 str.; 5/16" socket screw on sizes 250 through 350 kcmil; 3/8" hex socket on sizes 500 kcmil and above



Type ADR — ALCÜL™ Single-Conductor, One-Hole Mount

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	D	E	F	G
Slotted Screw									
ADR6	6 Str.	14 AWG	1 3/4	1/2	3/8	1 1/4	1/4	5/16	4 3/4
ADR2	2 Str.	14 AWG	1 1/2	1/2	9/16	1 3/4	1/4	7/16	1 1/16
ADR11	1/0 Str.	14 AWG	1 15/32	5/8	25/32	7/16	1/4	3/16	2 1/32
ADR21	2/0 Str.	14 AWG	1 15/32	5/8	25/32	7/16	1/4	3/16	2 1/32
Socket Screw									
ADR25	250 kcmil	6 Str.	2	1	1 1/8	1 1/2	5/16	1/4	1
ADR30	300 kcmil	6 Str.	2	1	1 1/8	1 1/2	5/16	1/4	1
ADR35	350 kcmil	6 Str.	2 1/4	1 1/4	1 1/4	1 1/2	5/16	1/4	1 1/4
ADR50	500 kcmil	4 Str.	2 3/8	1 1/2	1 1/8	1 3/4	5/16	1/4	1 1/2
ADR60	600 kcmil	2 Str.	3 1/8	1 1/2	1 1/8	1 3/4	5/16	1/4	1 1/2
ADR6004*	600 kcmil (2) 250 kcmil	4 Str. (2) 1/0 Str.	2 3/8	1 1/4	1 1/8	1 3/4	5/16	1/4	1 1/2
ADR80	800 kcmil	300 kcmil	3 3/8	1 3/4	1 1/8	1 3/4	5/16	1/4	1 3/4
ADR99	1,000 kcmil	500 kcmil	3 3/8	1 3/4	1 1/8	1 3/4	5/16	1/4	1 3/4

* Not UL or CSA Listed.



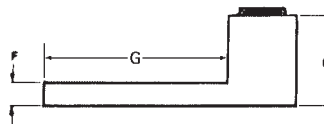
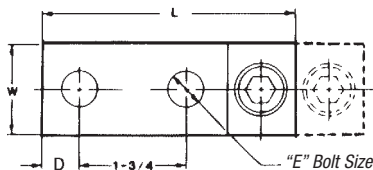
Type ADR — ALCÜL™ Single-Conductor, Two-Hole Mount*

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	D	E	F	G
ADR35-12#	350 kcmil	6 Str.	4 1/4	1 1/4	1 1/8	1 1/2	1/2	5/16	3
ADR60-12D	600 kcmil	2 Str.	5 5/8	1 1/2	1 1/8	1 1/2	1/2	3/8	3 3/8
ADR80-12D	800 kcmil	300 kcmil	6 3/8	1 3/4	1 1/8	1 1/2	1/2	3/8	3 3/8
ADR99-12D	1,000 kcmil	500 kcmil	6 3/8	1 3/4	1 1/8	1 1/2	1/2	3/8	3 3/8

* NEMA spacing: 1 3/4" centers

UL Listed.

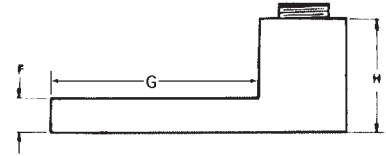
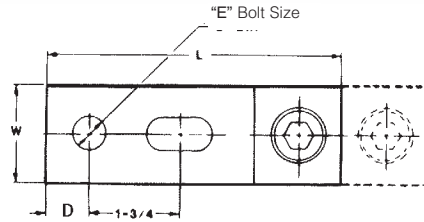
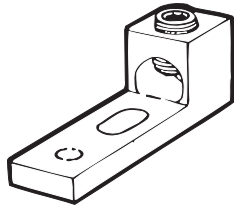
Connectors accommodating conductors 600 kcmil and larger have double row of set screws (D suffix).



Dual-Rated Mechanical Connectors

Type ADR — ALCÜL™ Single-Conductor, Switchgear Mount*

Blackburn Mechanical

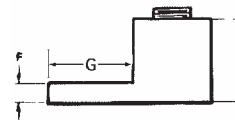
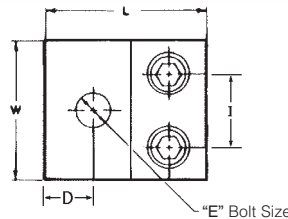


CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	D	E	F	G
ADR25-12S	250 kcmil	3/0 Str.	3	1	13/16	1/2	3/8	1/4	2
ADR35-12S	350 kcmil	4 Str.	4 1/16	1 1/4	1 9/16	23/32	1/2	7/16	3 3/16
ADR50-12S	500 kcmil	400 kcmil	4 1/16	1 1/4	1 7/16	23/32	1/2	7/16	3 3/16
ADR80-12DS	800 kcmil	300 kcmil	6 3/16	1 3/8	1 7/8	23/32	1/2	9/16	3 3/16
ADR99-12DS	1,000 kcmil	350 kcmil	6 3/16	1 3/8	1 7/8	23/32	1/2	9/16	3 3/16

* NEMA Spacing: 1 1/4" centers except ADR25-12S: 1" centers.

Connectors accommodating conductors 600 kcmil and larger have double row of set screws (D suffix).

Type ADR — ALCÜL™ Two-Conductor, One-Hole Mount



CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)							
	MAX.	MIN.	L	W	H	D	E	F	G	I
ADR11-21	1/0 str.	14 AWG	1 1/2	1 1/2	2 1/2	7/16	1/4	3/16	2 1/2	3 3/4
ADR21-21*	2/0 str.	14 AWG	1 1/2	1 1/4	2 1/2	2 3/4	1/4	3/16	2 1/2	2 1/2
ADR25-21	250 kcmil	6 Str.	2 1/16	1 1/4	1 3/8	3/8	3/8	1/4	1 1/16	1 3/16
ADR35-21	350 kcmil	6 Str.	2 7/8	1 3/4	1 5/8	3/8	1/2	1/4	1 1/4	1 5/8
ADR60-21	600 kcmil	2 Str.	3 3/16	2 1/2	1 9/16	3/8	5/8	7/16	1 1/16	1 1/2
ADR80-21	800 kcmil	300 kcmil	3 3/8	3 1/16	1 11/16	3/8	5/8	1/2	1 1/4	1 5/8
ADR99-21	1,000 kcmil	500 kcmil	3 3/8	3 1/16	1 11/16	3/8	5/8	1/2	1 1/4	1 5/8

* Not CSA Listed.

UL 486B

AL9CU

Dual-Rated Mechanical Connectors

Type ADR — ALCÜL™ Two-Conductor, Two-Hole Mount*

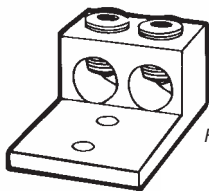
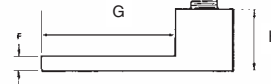
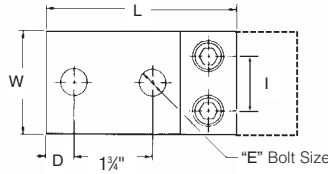


Fig. 1

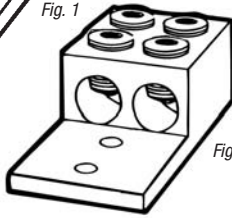


Fig. 2

CAT. NO.	FIG.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)							
		MAX.	MIN.	L	W	H	D	E	F	G	I
ADR35-22	1	350 kcmil	6 Str.	4 1/4	2 1/4	1 1/2	5/8	1/2	5/16	3	1 1/2
ADR60-22D	2	600 kcmil	2 Str.	5 5/8	2 3/4	1 1/2	5/8	1/2	5/16	3 1/8	1 1/8
ADR80-22D	2	800 kcmil	300 kcmil	6 5/8	3 1/2	1 1/2	5/8	1/2	5/16	3 1/8	1 1/8
ADR99-22D	2	1,000 kcmil	500 kcmil	6 5/8	3 1/2	1 1/2	5/8	1/2	5/16	3 1/8	1 1/8

* NEMA Spacing: 1 1/4" centers.

Connectors accommodating conductors 600 kcmil and larger have double row of set screws (D suffix).
UL 486B, AL9CU

Type ADR — ALCÜL™ Three-Conductor, Two-Hole Mount*

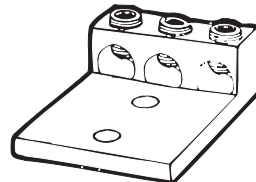


Fig. 1

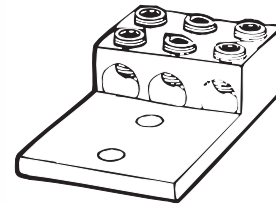
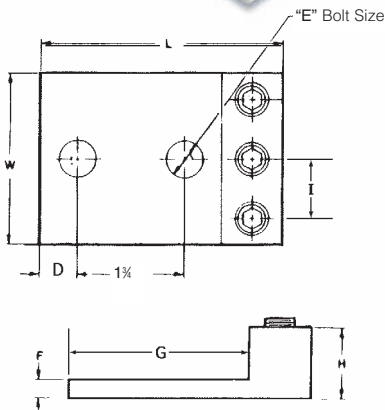


Fig. 2



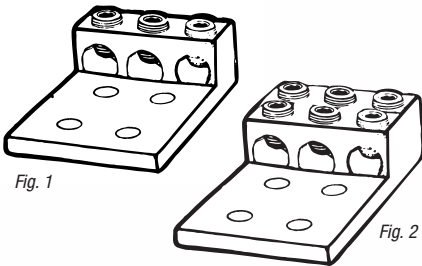
CAT. NO.	FIG.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)							
		MAX.	MIN.	L	W	H	D	E	F	G	I
ADR02-32	1	2 Str.	14 AWG	2 5/8	1 1/2	5/8	1 1/2	5/8	5/16	1 1/8	5/8
ADR11-32	1	1/0 Str.	14 AWG	2 3/4	2	7/8	1 1/2	3/8	1/4	2 1/2	5/8
ADR31-32	1	3/0 Str.	6 Str.	4	2 1/8	1 1/8	5/8	1/2	5/16	3	3 1/2
ADR25-32	1	250 kcmil	6 Str.	4 3/8	2 1/8	1 1/4	5/8	1/2	1/4	3 1/8	3 1/2
ADR35-32	1	350 kcmil	6 Str.	4 3/8	3 3/8	1 1/4	5/8	1/2	1/4	3 1/8	1 1/2
ADR50-32	1	500 kcmil	4 Str.	4 1/8	3 3/8	1 1/8	5/8	1/2	7/16	3 3/8	1 1/4
ADR60-32D	2	600 kcmil	2 Str.	5 5/8	4 3/8	1 1/2	5/8	1/2	5/16	3 1/8	1 1/8
ADR80-32	2	800 kcmil	300 kcmil	6 5/8	4 1/2	1 1/2	5/8	1/2	5/16	3 1/8	1 1/8
ADR99-32	2	1,000 kcmil	500 kcmil	6 5/8	4 3/4	1 1/2	5/8	1/2	5/16	3 1/8	1 1/8

* NEMA Spacing: 1 1/4" centers except ADR02-32; 5/8" centers and ADR11-32; 1" centers.

Connectors accommodating conductors 600 kcmil and larger have double row of set screws (D suffix).
UL 486B, AL9CU

Dual-Rated Mechanical Connectors

Blackburn Mechanical



Type ADR—ALCÜL™ Three-Conductor, Four-Hole Mount**

CAT. NO.	FIG.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)								
		MAX.	MIN.	L	W	H	D	E	F	G	I	
ADR02-34	1	2 Str.	14 AWG	2 ³ / ₁₆	1 ³ / ₈	5 ¹ / ₈	1 ¹ / ₃₂	5 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	9 ¹ / ₁₆	9 ¹ / ₁₆
ADR11-34	1	1/0 Str.	14 AWG	2 ⁹ / ₃₂	2	7 ¹ / ₈	1 ¹ / ₃₂	3 ¹ / ₈	1 ¹ / ₄	2 ⁹ / ₃₂	4 ⁵ / ₁₆	4 ⁵ / ₁₆
ADR31-34	1	3/0 Str.	6 Str.	4	2 ¹³ / ₁₆	1 ³ / ₁₆	5 ¹ / ₈	1 ¹ / ₂	5 ¹ / ₁₆	3	3 ¹ / ₃₂	3 ¹ / ₃₂
ADR25-34*	1	250 kcmil	6 Str.	4 ³ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₄	5 ¹ / ₈	1 ¹ / ₂	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₃₂	3 ¹ / ₃₂
ADR35-34*	1	350 kcmil	6 Str.	4 ³ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₄	5 ¹ / ₈	1 ¹ / ₂	1 ¹ / ₄	3 ¹ / ₁₆	1 ¹ / ₃₂	1 ¹ / ₃₂
ADR50-34*	1	500 kcmil	4 Str.	4 ¹ / ₁₆	3 ¹ / ₄	1 ¹ / ₁₆	5 ¹ / ₈	1 ¹ / ₂	7 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₄
ADR60-34D	2	600 kcmil	2 Str.	5 ¹ / ₁₆	4 ¹ / ₁₆	1 ¹ / ₂	5 ¹ / ₈	1 ¹ / ₂	7 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆
ADR80-34*	2	800 kcmil	300 kcmil	6 ¹ / ₁₆	4 ¹ / ₂	1 ¹ / ₂	5 ¹ / ₈	1 ¹ / ₂	9 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆
ADR99-34*	2	1,000 kcmil	500 kcmil	6 ¹ / ₁₆	4 ³ / ₄	1 ¹ / ₂	5 ¹ / ₈	1 ¹ / ₂	9 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆

* UL Listed.

** NEMA Spacing: 1³/₄" centers except ADR02-34; 7⁸/₁₆" centers and ADR11-34; 1" centers.

Connectors accommodating conductors 600 kcmil and larger have double row of set screws.

UL 486B
AL9CU

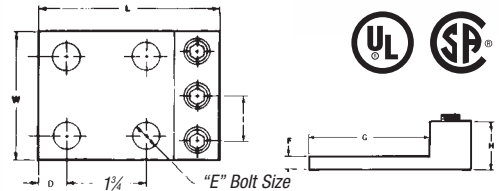


Fig. 1



Fig. 2

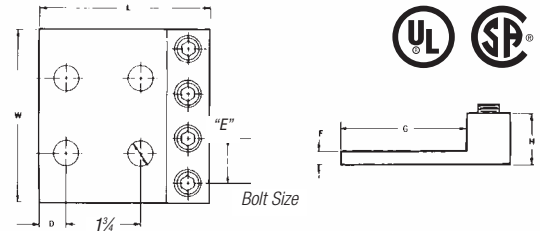


Type ADR—ALCÜL™ Four-Conductor, Four-Hole Mount*

CAT. NO.	FIG.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)								
		MAX.	MIN.	L	W	H	D	E	F	G	I	
ADR25-44	1	250 kcmil	6 Str.	4	4 ¹ / ₁₆	1 ¹ / ₁₆	5 ¹ / ₈	1 ¹ / ₂	5 ¹ / ₁₆	3	1 ³ / ₁₆	1 ³ / ₁₆
ADR35-44	1	350 kcmil	6 Str.	4 ¹ / ₄	4 ²⁹ / ₃₂	1 ¹ / ₈	5 ¹ / ₈	1 ¹ / ₂	5 ¹ / ₁₆	3	1 ¹ / ₃₂	1 ¹ / ₃₂
ADR60-44D	2	600 kcmil	2 Str.	5 ¹ / ₁₆	5 ¹ / ₈	1 ¹ / ₂	5 ¹ / ₈	1 ¹ / ₂	7 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆
ADR80-44D	2	800 kcmil	350 kcmil	6 ¹ / ₁₆	7 ¹ / ₈	1 ¹ / ₂	5 ¹ / ₈	1 ¹ / ₂	9 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆

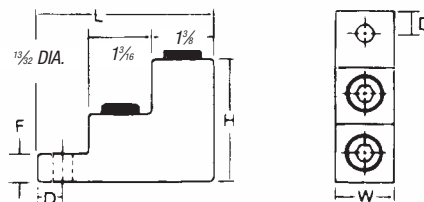
* NEMA Spacing: 1³/₄" centers.

Connectors accommodating conductors 600 kcmil and larger have double row of set screws (D suffix).



Type ASL—ALCÜL™ Two-Conductor, One-Hole Mount

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)					MTG. HOLE DIA.
	MAX.	MIN.	L	W	H	D	F	
ASL30-21	300 kcmil	6 Str.	3	1 ¹ / ₈	2	1 ¹ / ₃₂	1 ¹ / ₂	5 ¹ / ₁₆

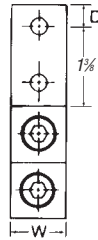
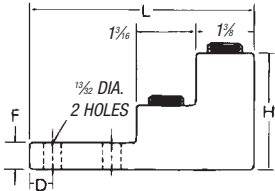


Dual-Rated Mechanical Connectors

Type ASL — ALCÜL™ Two-Conductor, Two-Hole Mount

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)					
	MAX.	MIN.	L	W	H	D	F	
ASL60-22	600 kcmil	2 Str.	4 ³ / ₂	1 ¹ / ₂	3	3/ ₄	3/ ₈	
ASL75-22	750 kcmil	3/0 Str.	4 ³ / ₂	1 ¹ / ₂	3	3/ ₄	3/ ₈	

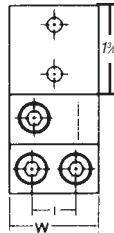
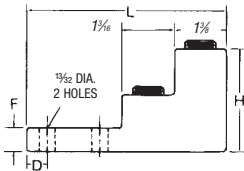
UL 486B
AL9CU



Blackburn Mechanical

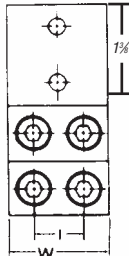
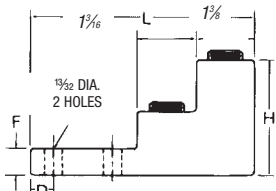
Type ASL — ALCÜL™ Three-Conductor, Two-Hole Mount

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	F	D	I	
ASL60-32	600 kcmil	2 Str.	4 ³ / ₂	2 ¹ / ₂	3	3/ ₄	3/ ₈	1 ¹ / ₂	
ASL75-32	750 kcmil	3/0 Str.	4 ³ / ₂	2 ³ / ₁₆	3	3/ ₄	3/ ₈	1 ¹ / ₁₆	



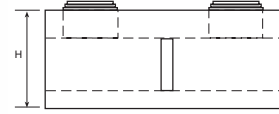
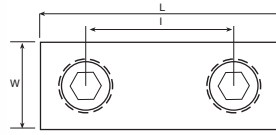
Type ASL — ALCÜL™ Four-Conductor, Two-Hole Mount

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	F	D	I	
ASL60-42	600 kcmil	2 Str.	4 ³ / ₂	2 ¹ / ₂	3	3/ ₄	3/ ₈	1 ¹ / ₂	
ASL75-42	750 kcmil	3/0 Str.	4 ³ / ₂	2 ³ / ₁₆	3	3/ ₄	3/ ₈	1 ¹ / ₁₆	



Dual-Rated Mechanical Connectors

Type ASR — ALCÜL™ Splicer Reducer with Solid Barrier Wire Stop



CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)			
	MAX.	MIN.	L	W	H	I
ASR0214*	2 Str.	14 AWG	1¼	33/64	39/64	21/32
ASR1114*	1/0 Str.	14 AWG	1½	39/64	23/32	5/16
ASR2506	250 kcmil	6 Str.	2½	55/64	31/32	1¼
ASR3506	350 kcmil	6 Str.	2¾	1½	1½	1¼
ASR7525**	750 kcmil	250 kcmil	6¼	1½	1¼	1½

* Slotted screws

** Two set screws per end. Not CSA Certified.

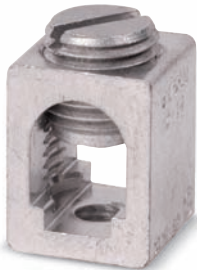
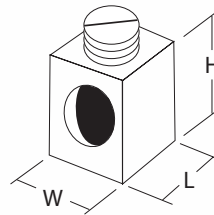
UL 486B

AL9CU

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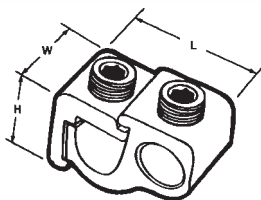
Type BX — ALCÜL™ Rectangular Connectors

- Features anti-rotational boss
- UL486B Recognized (90°C rating)



CAT. NO.	CONDUCTOR RANGE		STYLE & SIZE OF BOSS	BOSS HOLE TAPPED	DIMENSIONS (IN.)		
	MAX.	MIN.			L	W	H
BX0214	2	14CU 12AL	Square .229 in.	10-32	15/32	15/32	9/16
BX1114	14CU 1/0	Square 12AL	.229 in.	10-32	5/8	17/32	39/64

Type GP — Aluminum Dual-Rated Mechanical Parallel Tap Connectors



CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)		
	MAIN	TAP	W	L	H
GP-2*	2-12 Str.	4-14	5/8	1½	7/8
GP-0	1/0-2	1/0-14	¾	1¾	1
GP-250-0	250-1/0	1/0-14	1½	2½	1½
GP-250	250-1/0	250-6	1½	2½	1½
GP-350	350-4/0	350-6	1¾	2½	1½
GP-500	500-350	500-2	1¾	3½	1¾
GP-750	750-500	500-2	1¾	3½	2

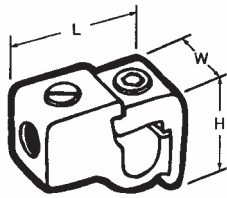
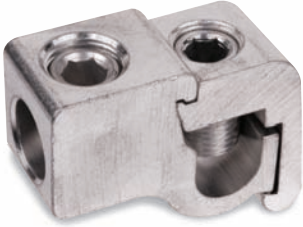
* Slotted screw, tap side.

To include insulating cover, add suffix WC.

Dual-Rated Mechanical Connectors



Type GT — Aluminum Dual-Rated Mechanical Parallel Tap Connectors



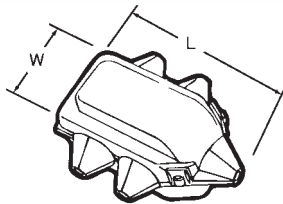
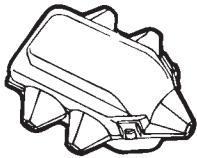
CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)		
	MAIN	TAP	W	L	H
GT-2*	2–12 Str.	4–14	3/8	1 1/8	7/8
GT-0	1/0–2	1/0–14	3/4	1 1/4	1
GT-250-0	250–1/0	1/0–14	1 1/8	2 3/8	1 1/8
GT-250	250–1/0	250–6	1 1/8	2 3/8	1 1/8
GT-350	350–4/0	350–6	1 1/4	2 7/8	1 1/8
GT-500	500–350	500–2	1 3/8	3 1/8	1 1/4
GT-750	750–500	500–2	1 1/2	3 3/8	2

* Slotted screw, tap side.

To include insulating cover, add suffix WC.

Blackburn Mechanical

Type TC — Insulating Covers for GP-GT



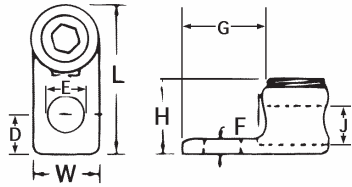
CAT. NO.	COLOR	DIMENSIONS (IN.)			USE WITH CONNECTOR
		L	W	H	
TC-2	YELLOW	2 3/8	1 1/4	1 1/8	GP-2, GT-2
TC-10	GRAY	2 1/2	2 3/8	1 1/4	GP-0, GT-0
TC250350	RED	3 3/8	2 7/8	1 1/2	GP-250, GT-250, GP-350, GP-250-0, GT-250-0, GT-350
TC-500	BLUE	4 3/8	3 3/8	2 3/8	GP-500, GT-500
TC-750	ORANGE	4 3/8	3 3/8	2 3/8	GP-750, GT-750

Tightening Torque Values for Aluminum Dual-Rated Socket Screw Connectors

AWG OR CIRCULAR MIL SIZE	TIGHTENING TORQUE IN IN.-LB.		AWG OR CIRCULAR MIL SIZE	TIGHTENING TORQUE IN IN.-LB.	
	SCREW DRIVER	WRENCH		SCREW DRIVER	WRENCH
12	20	75	4/0	—	200
10	20	75	250	—	250
8	20	75	350	—	250
6	35	100	500	—	300
4	35	100	600	—	300
2	50	125	700	—	300
1	50	125	750	—	300
1/0	50	150	800	—	400
2/0	50	150	1,000	—	400
3/0	—	200			

Copper Mechanical Connectors

Blackburn Mechanical



- Cat. Nos. L400 and L650 cast from high-strength bronze alloy

- Cat. Nos. L35, L70, L125 and L250 cold forged from pure electrolytic copper with 99% conductivity

Type L — Single-Conductor, One-Hole Mount

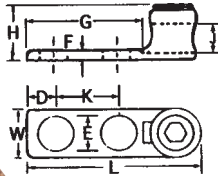


CAT. NO.		CONDUCTOR RANGE		DIMENSIONS (IN.)							
SOCKET	HEX	MAX.	MIN.	L	W	H	F	D	J	E	G
L35*	—	8 Str.	14 Sol.	1 ¹ / ₁₆	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₃₂	13 ¹ / ₆₄	1 ¹ / ₆₄	1 ¹ / ₆₄	1 ¹ / ₂
L70*	—	4 Str.	14 Sol.	1 ¹ / ₈	1 ¹ / ₃₂	3 ⁵ / ₆₄	3 ¹ / ₃₂	9 ¹ / ₃₂	9 ¹ / ₃₂	9 ¹ / ₃₂	2 ¹ / ₃₂
L125	L125H	1/0 Str.	8 Sol.	1 ¹ / ₂	4 ¹ / ₆₄	3 ¹ / ₄	3 ¹ / ₃₂	3 ¹ / ₈	2 ¹ / ₆₄	2 ¹ / ₆₄	2 ¹ / ₃₂
L250	L250H	250 kcmil	6 Str.	1 ⁶ / ₆₄	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈	29 ¹ / ₆₄	5 ¹ / ₈	1 ¹ / ₃₂	1 ¹ / ₃₂
L400BB	L400H	500 kcmil	4/0 Str.	3	1 ¹ / ₃₂	1 ¹ / ₂	9 ¹ / ₃₂	3 ¹ / ₈	7 ¹ / ₈	9 ¹ / ₁₆	1 ¹ / ₂
L650	L650H	1,000 kcmil	500 kcmil	4	2	2 ¹ / ₁₆	1 ¹ / ₃₂	3 ¹ / ₄	1 ¹ / ₄	9 ¹ / ₁₆	2

* Sizes L35 and L70 have screwdriver slot head screws only. UL 486A.

- For use where large contact area is required to provide more secure mounting

- Cast from high strength bronze alloy



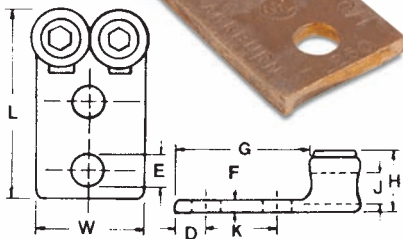
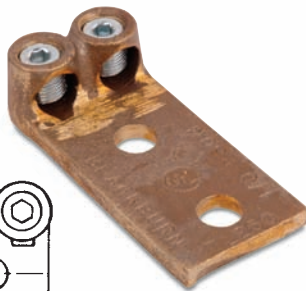
Type L — Single-Conductor, Two-Hole Mount



CAT. NO.		CONDUCTOR RANGE		DIMENSIONS (IN.)								
SOCKET	HEX	MAX.	MIN.	L	W	H	F	D	K	E	G	J
L1252	L1252H	1/0 Str.	4 Str.	2 ¹ / ₁₆	2 ⁵ / ₃₂	1 ¹ / ₁₆	3 ¹ / ₈	7 ¹ / ₁₆	1	1 ¹ / ₃₂	2	2 ¹ / ₆₄
L2502	L2502H	250 kcmil	1/0 Str.	3	1 ¹ / ₁₆	1 ¹ / ₂	1 ⁵ / ₆₄	7 ¹ / ₁₆	1	1 ¹ / ₃₂	1 ¹ / ₈	3 ¹ / ₈
L4002	L4002H	500 kcmil	4/0 Str.	3 ³ / ₈	1 ¹ / ₃₂	1 ¹ / ₂	5 ¹ / ₁₆	7 ¹ / ₁₆	1	1 ¹ / ₃₂	1 ¹ / ₁₆	5 ¹ / ₆₄
L6502	L6502H	1000 kcmil	500 kcmil	4 ¹ / ₁₆	2	2	3 ¹ / ₈	9 ¹ / ₁₆	1 ¹ / ₂	9 ¹ / ₁₆	2 ¹ / ₄	1 ¹ / ₄

UL 486A.

- Conveniently terminates parallel conductors



Type TL — Two-Conductor, Two-Hole Mount



CAT. NO.		CONDUCTOR RANGE		DIMENSIONS (IN.)								
SOCKET	HEX	MAX.	MIN.	L	W	H	F	K	D	E	G	J
TL250	TL250H	250 kcmil	1/0 Str.	4 ¹ / ₁₆	1 ¹ / ₈	3 ¹ / ₃₂	5 ¹ / ₁₆	1 ¹ / ₄	9 ¹ / ₁₆	1 ¹ / ₁₆	3 ³ / ₁₆	3 ¹ / ₈
TL400	TL400H	500 kcmil	4/0 Str.	4 ¹ / ₈	2 ¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₁₆	1 ¹ / ₄	9 ¹ / ₁₆	1 ¹ / ₁₆	3	3 ¹ / ₈
TL650	TL650H	1,000 kcmil	500 kcmil	5 ¹ / ₁₆	3 ¹ / ₄	9 ¹ / ₁₆	5 ¹ / ₈	1 ³ / ₄	9 ¹ / ₁₆	2 ¹ / ₁₆	3 ³ / ₈	1 ¹ / ₄

Four hole NEMA tang on TL650.

UL 486A.

- Cast of high-strength copper alloy

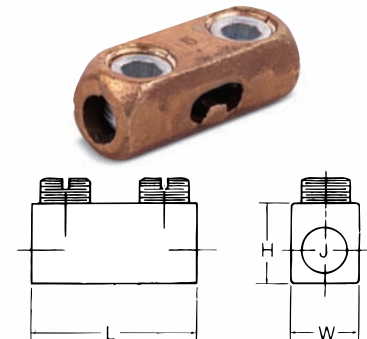
- Plated steel socket head set screws

Type S — Copper End-to-End Splice Connector



CAT. NO.	CONDUCTOR RANGE		DIMENSIONS (IN.)				
	MAX.	MIN.	L	W	H	J	I
S100BB	1 Str.	4 Sol.	1 ¹ / ₁₆	5 ¹ / ₈	1 ¹ / ₁₆	3 ¹ / ₈	1 ⁵ / ₁₆
S225BB*	4/0 Str.	1 Str.	2 ¹ / ₁₆	2 ¹ / ₃₂	3 ¹ / ₃₂	9 ¹ / ₁₆	1 ¹ / ₈
S400BB	500 kcmil	4/0 Str.	2 ¹ / ₈	1 ¹ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₈	1 ¹ / ₈

* Not UL Listed.



Copper Mechanical Connectors

NEW!

Fast, easy installation.

Direct-Burial Splice Kits

- Includes outer heat-shrink tubing insulator with adhesive sealant for rugged, watertight protection
- For underground feeder (UF) cable, UFSK148DB's four-in-one connector supports four-conductor, three-phase-plus-neutral or single-phase wiring systems
- For non-UF cable, DBSK82 offers easy-to-install, one-piece, aluminum alloy connector



Cat. NO.	DESCRIPTION	WIRE RANGE	STD. PKG. QTY.
UFSK148DB	UF Direct-Burial Splice Kit	14-8 AWG	10
DBSK82	Direct-Burial Splice Kit (non-UF)	8-2 AWG	10

- Uniquely designed pressure bar and notched v-bottom collar provide vise-like grip between conductor and terminal
- Made of electrolytic seamless copper
- Screws are zinc-plated steel
- UL 486A tested for copper conductor

Type STC—

Copper Single-Conductor, One-Hole Mount (Straight Tang)

CAT. NO.	FIG. NO.	CONDUCTOR RANGE		DIMENSIONS (IN.)					
		MAX.	MIN.	L	W	H	F	E	D
STC1014*	1	10 AWG	14 AWG	1	5/16	1/2	3/64	5/32	3/16
STC0614	2	6 Str.	14 AWG	1 1/4	3/8	1 1/8	3/64	13/64	7/32
STC0414	2	4 Str.	14 AWG	1 1/4	1/2	2 1/32	3/32	17/64	1/4
STC0208	3	2 Str.	8 Str.	1 1/2	1/2	3 1/32	3/32	17/64	1/4
STC1102	3	1/0 Str.	2 Str.	1 1/8	3/8	1 1/4	1/8	17/64	7/16
STC3104	3	3/0 Str.	4 Str.	2 1/4	3/4	1 1/8	1/8	13/32	7/16
STC4102	3	4/0 Str.	2 Str.	2 3/8	1	1 21/32	1/8	11/32	1/2
STC3511	3	350 kcmil	1/0 Str.	3 1/4	1	1 1/2	3/16	13/32	3/8
STC5011	3	500 kcmil	1/0 Str.	3 3/8	1 1/2	1 13/16	3/16	13/32	15/16
STC9960	3	1,000 kcmil	600 kcmil	5	2	2 3/8	1/4	17/32	1 1/8

* Not CSA Listed.

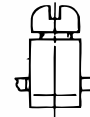
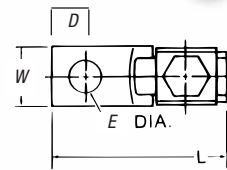


Fig. 1

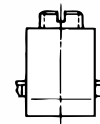


Fig. 2

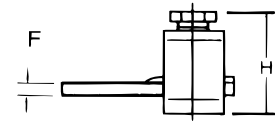


Fig. 3

Type BTC—

Copper Single-Conductor, One-Hole Mount (Offset Tang)

CAT. NO.	FIG. NO.	CONDUCTOR RANGE		DIMENSIONS (IN.)					
		MAX.	MIN.	L	W	H	F	E	D
BTC1014*	1	10 AWG	14 AWG	1	5/16	4/64	3/64	5/32	3/16
BTC0614	2	6 Str.	14 AWG	1 1/2	3/8	2 3/32	3/64	13/64	7/32
BTC0208	2	2 Str.	8 Str.	1 1/2	1/2	2 1/32	3/32	17/64	1/4
BTC1102	3	1/0 Str.	2 Str.	1 1/2	3/8	1 1/2	1/8	17/64	7/16
BTC3104	3	3/0 Str.	4 Str.	2 3/4	3/4	1 1/8	1/8	13/32	7/16
BTC4102	3	4/0 Str.	2 Str.	2 3/8	1	1 5/16	1/8	11/32	1/2
BTC3511	3	350 kcmil	1/0 Str.	3 1/4	1	2 1/2	3/16	13/32	3/8
BTC5011	3	500 kcmil	1/0 Str.	4 1/4	1 1/2	2 13/32	3/16	13/32	15/16
BTC9960	3	1,000 kcmil	600 kcmil	4 3/4	2	3 3/8	1/4	17/32	1 1/8

* Not CSA Listed.

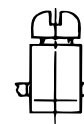
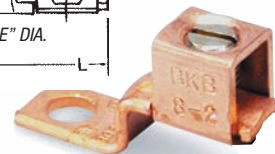
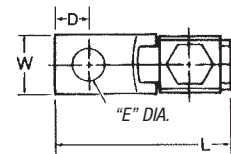


Fig. 1

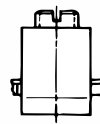


Fig. 2

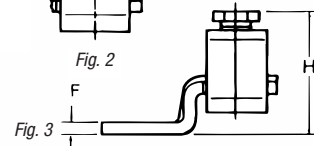


Fig. 3

United States
Tel: 901.252.8000
800.816.7809
Fax: 901.252.1354

Canada
Tel: 450.347.5318
Fax: 450.347.1976

Technical Services
Tel: 888.862.3289

Thomas & Betts

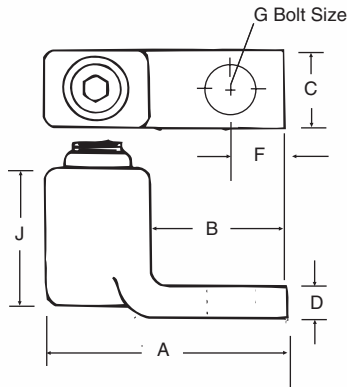
www.tnb.com

LOCKTITE® Connectors — Code Copper Conductor (for 600V)

Only nine lug sizes fit cables from #14 to 1,000 kcmil.

One-Hole Lugs

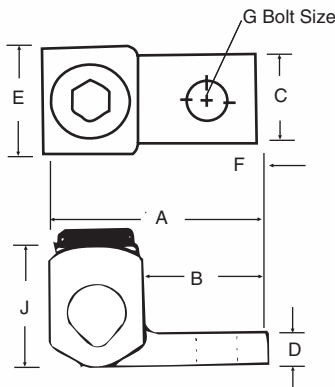
- Easily installed with key wrench
- Saddle and cable socket make direct, all-around, low-resistance contact with cable
- Convenient peephole permits easy inspection



CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)						
		G	A	B	C	D	J	F
31003 [†]	14 to 8	½	1½	⅞	½	⅜	1½	⅞
31005 [†]	8 to 4	½	1½	⅞	½	⅜	1½	⅞
31007	4 to 1	½	1½	1⅞	⅞	⅜	1	1½
31009	1 to 2/0	¾	1⅞	1	1⅞	¼	1⅞	⅞
31011	2/0 to 4/0	¾	2½	1¼	1	⅞	1⅞	⅞
31013	4/0 to 300	½	2¼	1½	1⅞	⅞	1⅞	⅞
31015	300 to 500	½	3⅞	1⅞	1⅞	⅞	1⅞	¼
31017	500 to 750	½	3⅞	2⅞	1⅞	⅞	2½	1
31019	750 to 1000	¾	4⅞	2⅞	1⅞	⅞	2⅞	1⅞

[†]With Filister Head Screw. All others, hex socket screws.

One-Hole Flag-Type Lugs



CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	E
31005-AL [†]	8 to 4	¼	1½	⅞	½	⅜	1½	⅞	½

[†]With Filister Head Screw.

Bolt holes and spacings listed are standard, but lugs with blank tongues can be furnished.

For torque requirements, see page C-77.

LOCKTITE® Connectors — Code Copper Conductor (for 600V)

All the outstanding LOCKTITE® lug features — plus two-bolt capacity.

One-Hole 90° Upright Lugs

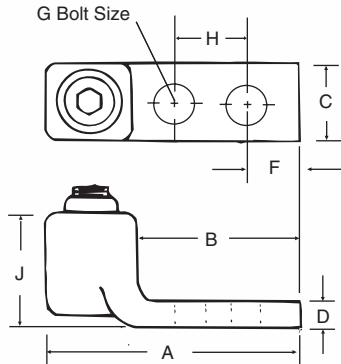


CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)						
		G	A	B	C	D	J	F
31005-UAL†	8 to 4	¼	1½	¾	½	½	½	¾
31007-UAL	4 to 1	¼	1 ²¹ / ₃₂	1 ¹ / ₁₆	¾	7 ¹ / ₃₂	1 ¹ / ₁₆	1 ¹ / ₃₂
31009-UAL	1 to 2/0	¾	2 ¹ / ₂	1	1 ³ / ₁₆	¼	1 ⁵ / ₁₆	7 ¹ / ₁₆
31011-UAL	2/0 to 4/0	¾	2½	1¼	1	¾	1½	1½

†With Filister Head Screw. All others, hex head screws.
Bolt holes and spacings listed are standard, but lugs with blank tongues can be furnished.

Two-Hole Lugs

- Easy installation
- High conductivity
- Wide cable range
- Long tongue adapted for 2 bolts

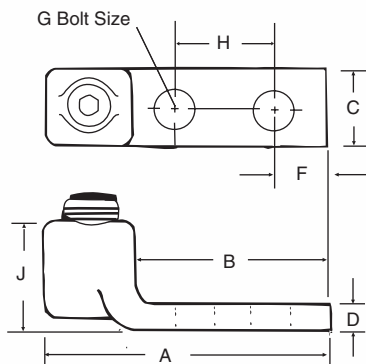


CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	H
32003†	14 to 8	¼	1 ¹¹ / ₁₆	1¼	½	¾	1 ¹ / ₃₂	¾	¾
32005†	8 to 4	¼	1¼	1¼	½	¾	1 ¹ / ₃₂	¾	¾
32007	4 to 1	¼	2¼	1 ¹ / ₁₆	¾	7 ¹ / ₃₂	7 ¹ / ₁₆	¾	¾
32009	1 to 2/0	¾	2 ⁷ / ₈	1 ¹ / ₁₆	1 ¹ / ₁₆	¼	1 ¹ / ₃₂	7 ¹ / ₁₆	1
32011	2/0 to 4/0	¾	3¼	2	1	¾	1 ¹ / ₁₆	7 ¹ / ₁₆	1
32013	4/0 to 300	¾	3¾	2½	1 ¹ / ₁₆	¾	1 ¹ / ₁₆	7 ¹ / ₁₆	1
32015	300 to 500	¾	3½	2½	1¾	1 ¹ / ₃₂	1 ²⁷ / ₃₂	7 ¹ / ₁₆	1
32017	500 to 750	¾	4 ⁹ / ₃₂	3	1¾	1 ¹ / ₃₂	2½	¾	1½
32019	750 to 1,000	¾	4 ²⁷ / ₃₂	3	1¾	1 ¹ / ₃₂	2 ¹ / ₃₂	¾	1½

†With Filister Head Screw. All others, hex head screws.
For torque requirements, see page C77.

Two-Hole NEMA-Drilled Lugs

- Furnished with bolt holes and spacings to fit equipment with NEMA-type connector mounting pads



CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	H
32207	4 to 1	¾	2 ¹ / ₁₆	2	¾	7 ¹ / ₃₂	7 ¹ / ₁₆	7 ¹ / ₁₆	1
32209	1 to 2/0	¾	3 ¹ / ₁₆	3	1	¼	1 ¹ / ₁₆	9 ¹ / ₁₆	1¼
32211	2/0 to 4/0	¾	4¾	3	1	¾	1 ¹ / ₃₂	9 ¹ / ₁₆	1¼
32213	4/0 to 300	¾	4 ³ / ₁₆	3	1 ¹ / ₁₆	¾	1 ¹ / ₃₂	9 ¹ / ₁₆	1¼
32215	300 to 500	¾	4¾	3½	1¾	1 ¹ / ₃₂	1 ¹ / ₁₆	9 ¹ / ₁₆	1¼
32217	500 to 750	¾	5 ⁹ / ₃₂	3¾	1¾	1 ¹ / ₃₂	2½	9 ¹ / ₁₆	1¼
32219	750 to 1,000	¾	5½	3½	3	1 ¹ / ₃₂	2½	9 ¹ / ₁₆	1¼

For torque requirements, see page C77.

LOCKTITE® Connectors — Code Copper Conductor (for 600V)

All the same features as the standard LOCKTITE® lug — with two or three barrels.

Double-Barrel/Triple-Barrel NEMA-Drilled Lugs for 600V Applications

- Screw tightening
- Serrated saddle
- Built-in lockwasher

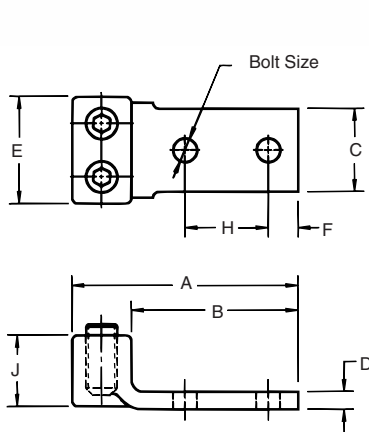
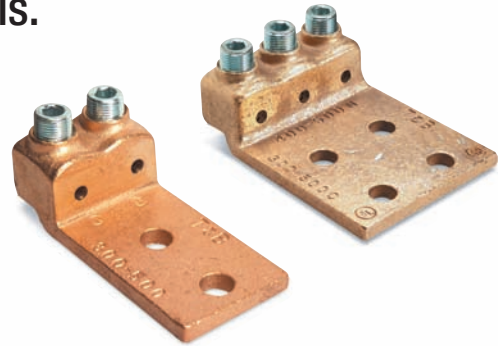


Fig. A

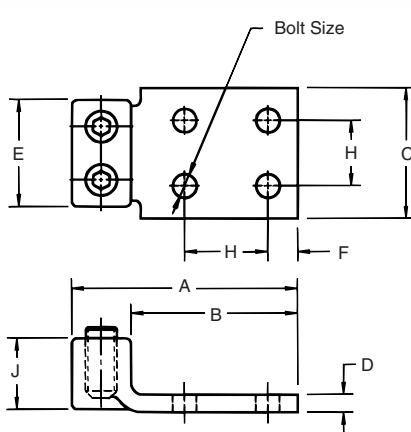


Fig. B

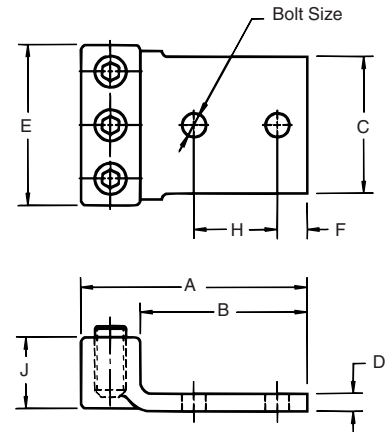


Fig. C

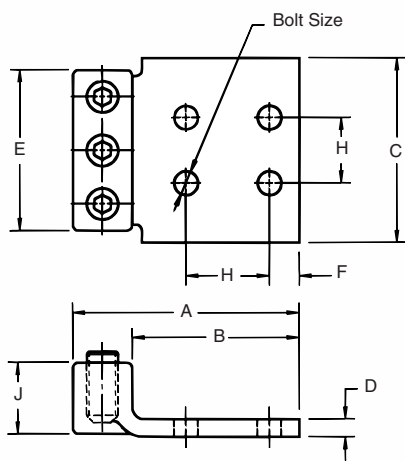


Fig. D



CAT. NO.	CABLE SIZE	FIG.	DIMENSIONS (IN.)								
			BOLT SIZE	A	B	C	D	E	F	H	J
32003BD [†]	14 to 8	A	¼	2 ³ / ₁₆	1 ³ / ₄	¾	¼	1 ¹ / ₁₆	¾	¾	1 ⁵ / ₃₂
32005BD [†]	8 to 4	A	¼	2 ¹ / ₂	2	1	¼	1	¾	¾	1 ¹ / ₂
32007BD	4 to 1	A	¾	2 ⁷ / ₁₆	2	1 ¹ / ₄	7 ¹ / ₃₂	1 ¹ / ₄	7 ¹ / ₁₆	1	2 ²⁹ / ₃₂
32009BD	1 to 2/0	A	½	4 ⁷ / ₁₆	3 ¹ / ₂	1 ¹ / ₂	¼	1 ¹ / ₁₆	¾	1 ³ / ₄	1 ¹³ / ₃₂
32011BD	2/0 to 4/0	A	½	4 ³ / ₈	3 ¹ / ₂	1 ³ / ₄	¾	1 ³ / ₄	¾	1 ³ / ₄	1 ¹⁵ / ₁₆
32013BD	4/0 to 300	A	½	4 ³ / ₄	3 ¹ / ₂	2	¾	2 ¹ / ₈	¾	1 ³ / ₄	1 ¹ / ₁₆
32015BD	300 to 500	A	½	5 ³ / ₈	3 ⁵ / ₁₆	2 ¹ / ₂	1 ¹¹ / ₃₂	2 ¹ / ₂	¾	1 ³ / ₄	1 ¹¹ / ₁₆
32017BD	500 to 700	B	½	5 ⁹ / ₃₂	4	4	1 ¹³ / ₃₂	2 ¹⁵ / ₁₆	¾	1 ³ / ₄	2 ¹ / ₈
32019BD	750 to 1000	B	½	5 ²⁷ / ₃₂	4	4	1 ¹⁵ / ₃₂	3 ¹ / ₄	¾	1 ³ / ₄	2 ¹¹ / ₃₂
32011TB	2/0 to 4/0	C	½	4 ³ / ₈	3 ³ / ₈	2 ¹ / ₂	¾	2 ³ / ₄	¾	1 ³ / ₄	1 ⁵ / ₁₆
32013TB	4/0 to 300	C	½	4 ³ / ₄	3 ¹ / ₂	3	¾	3 ¹ / ₄	¾	1 ³ / ₄	1 ¹⁷ / ₃₂
32015TB	300 to 500	D	½	5 ³ / ₈	4	4	1 ¹ / ₃₂	3 ³ / ₄	¾	1 ³ / ₄	1 ¹⁵ / ₁₆
32017TB	500 to 750	D	½	5 ⁹ / ₃₂	4	4	1 ¹³ / ₃₂	4 ³ / ₈	¾	1 ³ / ₄	2 ¹ / ₈
32019TB	750 to 1,000	D	½	5 ²⁷ / ₃₂	4	4	1 ¹⁵ / ₃₂	4 ¹³ / ₁₆	¾	1 ³ / ₄	2 ¹¹ / ₃₂

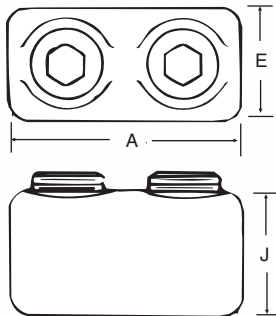
[†]With Filister Head Screw.

For torque requirements, see page C-77.

LOCKTITE® Connectors — Code Copper Conductor (for 600V)

Join two cables end-to-end. Two-Way Connectors

- Cables held by saddle and tightened by screws
- Built-in lockwashers



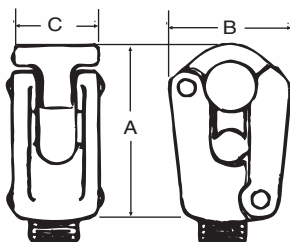
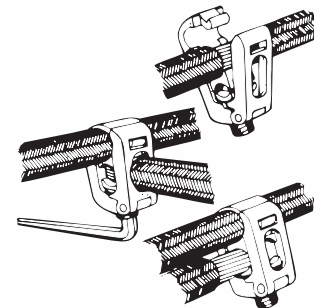
CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)		
		A	E	J
32503†	14 Sol. to 8 Sol.	1½	¾	1½/₃₂
32505†	8 Sol. to 4 Str.	1½	½	17/₃₂
32507	4 Sol. to 1 Str.	1½	¾	27/₃₂
32509	1 sol. to 2/0	1½	¾	1½/₃₂
32511	2/0 to 4/0	2¾/₃₂	1½/₃₂	1¼
32513	4/0 to 300	2¾/₃₂	1½	1½
32515	300 to 500	2¾	1¼	1½/₃₂
32517	500 to 750	3¾	1½	2½/₃₂
32519	750 to 1,000	3¾	1½/₃₂	2¾/₃₂

†With Filister Head Screw.

For torque requirements, see page C-77.

Designed for easy, one-person installation. Tee-Parallel Taps

- Tap hangs on main while branch is inserted
- Simply tighten screw to lock in place



CAT. NO.	CABLE SIZE		DIMENSIONS (IN.)		
	MAIN	BRANCH	A	B	C
35011	300 to 500	2 to 3/0	2½	1¾	1¼
35013	300 to 500	4/0 to 500	3¾/₃₂	1½	1½
35015	500 to 750	2 to 3/0	2¾/₃₂	1½/₃₂	1¼
35017	500 to 750	4/0 to 500	3¾	2¾/₃₂	1½
35019	500 to 750	500 to 750	4	2¾/₃₂	2¾/₃₂

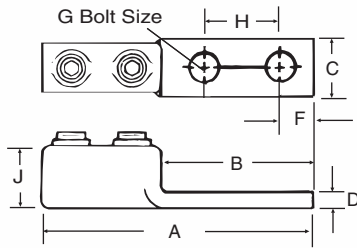
For torque requirements, see page C-77.

LOCKTITE® Connectors — Code Copper Conductor (for 600V)

For stranded, solid, flexible and other types of cables.

Tandem-Type Two-Hole NEMA-Drilled Lugs

- Each lug takes a range of wire sizes
- Bolt holes and spacings listed are standard

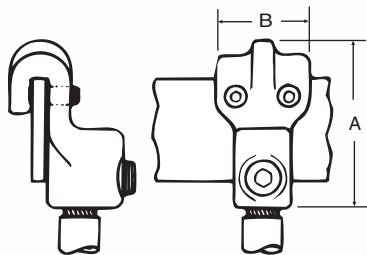


CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	H
32007TL	4 to 1	3/8	3 3/16	2	3/4	1/32	2 1/2	7/16	1
32009TL	1 to 2/0	1/2	4 1/16	3	1	1/4	1 1/2	3/8	1 1/4
32011TL	2/0 to 4/0	1/2	5 1/8	3	1	3/32	1 1/8	3/8	1 1/4
32013TL	4/0 to 300	1/2	5 1/8	3	1 1/16	3/16	1 1/8	3/8	1 1/4
32015TL	300 to 500	1/2	6 1/2	3 1/2	1 1/8	1/32	—	3/8	1 1/4
32017TL	500 to 750	1/2	6 3/32	3 1/2	1 1/8	1/32	2 1/8	3/8	1 1/4

For easy installation in hard-to-reach places.

Ground Bus Taps — for 1/4" Copper Bus Bar

- Eliminate the need to drill holes in the ground bus
- Can be placed quickly at any location
- Install with only a key wrench
- Standard LOCKTITE® lug grip securely holds tapping cable



CAT. NO.	WIRE SIZE (IN.)	DIMENSIONS (IN.)		BUS THICKNESS
		A	B	
31207	8 to 4	2 1/4	1 1/4	1/4
31208	4 to 1	2 5/16	1 1/4	1/4
31209	1 to 2/0	2 3/8	1 1/4	1/4
31210	2/0 to 4/0	2 3/8	1 1/4	1/4
31211	4/0 to 300	2 5/8	1 1/4	1/4
31212	300 to 500	3	1 1/4	1/4

For torque requirements, see page C-77.

Pigtail Connectors

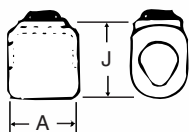


Fig. A



Fig. B



CAT. NO.	CABLE SIZE	FIG.	DIMENSIONS (IN.)	
			A	J
31305	10 to 8	A	1/2	1 1/2
31307	8 to 6	A	3/4	2 1/2
31309	6 to 4	B	7/8	1 1/2
31311	4 to 2	B	1 1/16	1 1/4
31313	1 to 2/0	B	1 1/16	1 1/2
31315	2/0 to 4/0	B	1 1/16	1 5/8

For torque requirements, see page C-77.

NOTE: To order with hex head screws (available on all except 14-10 and 10-8 code sizes), add prefix H to catalog number.

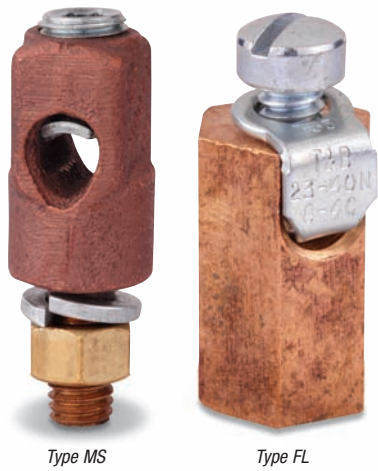
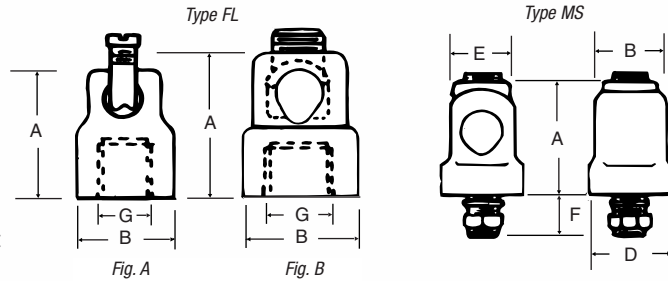
LOCKTITE® Connectors — Code Copper Conductor (for 600V)



Each connector accommodates a wide range of conductor sizes.

Stud Connectors

- Fast, simple installation
- Convenient pigtail is easy to tape
- To order with hex head screws (available on all except 14-10 and 10-8 code sizes), add prefix H to catalog number
- Standard tapping shown in diagrams
- Other tapping to meet specific requirements available on request



TYPE MS CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)					STUD SIZE (IN.)
		A	B	D	E	F	
31007-T	4 to 1	1 1/8	2 5/32	7/8	3/8	3/4	3/8-16
31009-T	1 to 2/0	1 1/8	7/8	1	3/4	3/4	3/8-16
31011-T	2/0 to 4/0	1 1/8	1 1/8	1 1/8	7/8	1	1/2-13
31013-T	4/0 to 300	1 1/8	1 1/8	1 3/8	1 1/8	1	1/2-13
31015-T	300 to 500	2 3/32	1 3/8	1 1/2	1 1/4	1	1/2-13

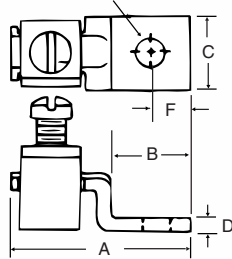
FEMALE — TYPE FL CAT. NO.	CABLE SIZE	FIG.	DIMENSIONS (IN.)		
			G	A	B
31262 [†]	8 to 4	A	3/8-16	1 1/8	3/8
31263	4 to 1	B	3/8-16	1 1/32	3/4
31265	4 to 1	B	1/2-13	1 1/32	3/4
31267	2/0 to 4/0	B	1/2-13	2 1/8	1 1/8

[†]With Filister Head Screw.

Designed to grip cable firmly between its strong body and serrated copper tongue.

LUG-IT® One-Hole Lugs, Offset Tongue

- Double laps at top give greater thread strength and lock screw when tightened
- Copper tongue makes a low-resistance terminal



T&B Recommended Tightening Torque

SIZE OF CONDUCTOR RANGES	WRENCH TORQUE IN.-LBS.	SCREW DRIVER TORQUE IN.-LBS.
14 to 8	—	20
8 to 4	—	35
4 to 1	125	—
1 to 2/0	150	—
2/0 to 4/0	200	—
4/0 to 300	250	—
300 to 500	300	—
500 to 750	300	—
750 to 1,000	400	—

CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)					
		G	A	B	C	D	F
35301	14 to 6	#10	1 1/8	1/2	3/8	.064	7/32
35401	8 to 2	1/4	1 1/8	5/8	1/2	.081	1/4
*35501 [†]	4 to 2/0	1/4	1 1/8	1 1/8	3/4	.101	3/8
*35601 [†]	1/0 to 4/0	3/8	2 1/32	1 3/32	1	.128	1/2

* Aluminum body.
[†]Hex head bolt.

Add suffix G to above Cat. Nos. for lug connector with green screw for grounding identification.
For torque requirements, see **table at right**.

United States
Tel: 901.252.8000
800.816.7809
Fax: 901.252.1354

Canada
Tel: 450.347.5318
Fax: 450.347.1976

Technical Services
Tel: 888.862.3289

Thomas & Betts

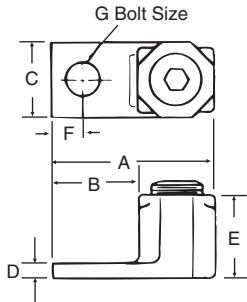
www.tnb.com

LOCKTITE® and Tap Connectors — Code Copper Conductor

High pull-out strength and low resistance.

Cone Screw Lugs

- Conically shaped screw compresses copper conductor so each strand is forced to carry its share of the load
- Exerts equal pressure on each conductor strand



CAT. NO.	WIRE RANGE	DIMENSIONS (IN.)							TORQUE (IN.-LBS.)
		G	A	B	C	D	E	F	
71003	14-8	#10	13/16	7/16	3/8	3/32	3/8	3/16	20 *
71005	14-4	1/4	1 1/2	3/8	9/16	1/8	1 1/2	9/32	35 *
71010	4-2/0	3/8	1 21/32	21/32	23/32	3/16	2 5/32	3/8	150
71014	2-4/0	3/8	1 1/8	29/32	15/16	3/16	3 1/32	3/8	200
71015	1-250	3/8	2 1/2	29/32	1	7/32	1	3/8	250
71020	2/0-500	1/2	2 3/4	1 1/4	1 1/2	3/32	1 1/2	3/8	300

Add suffix G to lug Cat. No. 71003, 71005, 71010 and 71014 for lug with green screw for grounding identification.

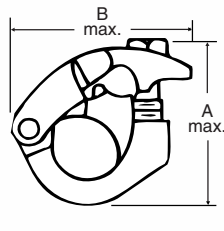
UL File No. E-9609.

*Indicates screwdriver torque; all others indicate torque wrench.

The most economical, easiest to install, approved connector for large to small branch taps.

HINJON™ Junior Tee-Parallel Taps

- All-around-grip jaws
- Automatically adjusts to size of main and branch
- Fast, simple installation with just a screwdriver or pliers
- Fitting can be easily taped



T&B Recommended Tightening Torque

SIZE OF CONDUCTOR RANGES	WRENCH TORQUE IN.-LBS.	SCREWDRIVER TORQUE IN.-LBS.
14 to 8	20	20
14 to 4	35	35
4 to 2/0	150	—
2 to 4/0	200	—
1 to 250	250	—
2/0 to 500	300	—

CAT. NO.	CABLE SIZE		DIMENSIONS (IN.)		
	MAIN	BRANCH	A	B	C
35107	8 to 4	14 to 8	1 1/8	7/8	3/8
35109	4 to 1/0	14 to 4	1 1/4	1	1 1/8
35111	1/0 to 4/0	14 to 4	1 3/4	1 3/8	2 1/32
35112	1/0 to 4/0	8 to 1	1 3/8	1 1/8	2 1/2
35115	300 to 500	14 to 4	1 3/8	1 13/16	1